



2017 JAN 20 PM 2:59

January 18, 2017

New Mexico Oil Conservation Division Director's Office  
Attn: David Catanach,  
Division Director 1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

**RE:** Meter Proving Frequency Variance Request. Variance to the ACT meter proving requirement in paragraph (12) of subsection C of 19.15.18.15 NMAC - Quarterly Proving of Automatic Custody Transfer Equipment (ACT).

Dear Director Catanach,

WPX Energy Production, LLC (WPX) is requesting a variance to the ACT meter proving requirement in paragraph (12) of subsection C of 19.15.18.15 New Mexico Administrative Code from a monthly ACT meter proving frequency to quarterly ACT meter proving. This would be an exception to the meter proving that states that all measuring and recording devices be checked for accuracy once each month. WPX has obtained C-106 Form approvals from the NMOCD Aztec Office to install LACT/ACT systems which utilize a very accurate Coriolis measurement technology for crude oil measurement. WPX has provided the attached monthly proving reports that show that the installed Coriolis meters continue to perform extremely well and have provided very stable meter proving factors. WPX has attached copies of the proving reports that provide documented meter test results that documents the meter stability and supports our request to move from monthly to quarterly ACT meter proving. The Coriolis meters will continue to be proved and tested per current and future Bureau of Land Management (BLM) rules and within the American Petroleum Institute's standards and guidelines. The provers will be NIST traceable and water drawn on an annual basis.

The leases served by the LACT/ACT units are a mixture of Federal, Indian and fee leases, and WPX will prove quarterly and will continue to provide a meter proving schedule to the NMOCD representatives which will allow the NMOCD to witness any or all of the meter provings. If you have any questions in regards to this request or need additional information, please do not hesitate to contact me at (505) 333-1812.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Randy VanDenBerg".

Randy VanDenBerg  
District Superintendent  
WPX Energy Production, LLC

Cc: Charlie Perrin, District Supervisor (NMOCD District 3 - Aztec)  
Brandon Powell, Inspection and Enforcement Supervisor (NMOCD District 3 - Aztec)

## McMillan, Michael, EMNRD

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**From:** Felix, Andrea <Andrea.Felix@wpxenergy.com>  
**Sent:** Friday, May 5, 2017 12:28 PM  
**To:** McMillan, Michael, EMNRD  
**Cc:** Riley, Heather; VanDenBerg, Randy; Jordan, Robert; Shepard, Cyd; Jaramillo, Marie; Casey Haga; Granillo, Lacey; Atencio, Manuel  
**Subject:** RE: [EXTERNAL] RE: Quarterly Proving Request  
**Attachments:** 20170504065100638.pdf

Good afternoon Mike,

Please see attached proving data for the below listed wells. As we discussed all the wells within this quarterly proving request are Basin Mancos or equivalent wells.

Thank you,

**Andrea Felix, RWA**  
Regulatory Support Team Lead  
San Juan Basin  
Office: 505-333-1849  
Cell: 505-386-8205  
**WPXENERGY.**

**From:** McMillan, Michael, EMNRD [mailto:Michael.McMillan@state.nm.us]  
**Sent:** Tuesday, May 02, 2017 4:17 PM  
**To:** Felix, Andrea <Andrea.Felix@wpxenergy.com>  
**Subject:** RE: [EXTERNAL] RE: Quarterly Proving Request

Andrea:

Send the proving data for NW Lybrook Unit #133H, NW Lybrook Unit #131H, NW Lybrook Unit #143H, Chaco 2307-17H#163H, Chaco 2308-24H#153H, Chaco 2308-24H#151H, Chaco 2308-24H#147H, Mc 2 Com #283H, Chaco 2308-04P #150H,

**From:** Felix, Andrea [mailto:Andrea.Felix@wpxenergy.com]  
**Sent:** Tuesday, May 2, 2017 11:13 AM  
**To:** McMillan, Michael, EMNRD <Michael.McMillan@state.nm.us>  
**Cc:** Riley, Heather <Heather.Riley@wpxenergy.com>; VanDenBerg, Randy <RandyN.VanDenBerg@wpxenergy.com>; Jordan, Robert <Robert.Jordan@wpxenergy.com>; Shepard, Cyd <Cyd.Shepard@wpxenergy.com>; Jaramillo, Marie <Marie.Jaramillo@wpxenergy.com>; Casey Haga <caseyhaga@eis-llc.com>; Granillo, Lacey <Lacey.Granillo@wpxenergy.com>; Atencio, Manuel <Manuel.Atencio1@wpxenergy.com>  
**Subject:** RE: [EXTERNAL] RE: Quarterly Proving Request

Good morning Mike,



Jude Dysart  
VP – Engineering & Technical Services  
O: (918) 289-2145  
M: (405) 834-9402  
jude.dysart@whiptailmidstream.com

15 West 6th Street | Suite 2901  
Tulsa | Oklahoma | 74119  
918.289.2949  
www.whiptailmidstream.com

March 2, 2017

Andrea Felix, RWA  
Regulatory Specialist Staff  
WPX Energy  
721 S Main Avenue  
Aztec, NM 87410

RE: **NMOCD Meter Proving Frequency Variance Request**

Mrs. Felix:

Whiptail Midstream, LLC, on behalf of itself and its affiliates (collectively, "Whiptail") has no objection to WPX Energy, LLC (collectively, "WPX") pursuing the proposed NMOCD Meter Proving Frequency Variance Request.

Whiptail believes this variance to proving frequency will have minimal, if any, impact to realized measurement accuracy in the field. Approval of this variance will also decrease the operational efforts associated with maintaining measurement devices, and will allow our personnel to focus more on the safe and efficient operations of our measurement facilities and pipeline systems.

If WPX, or the NMOCD, should have any questions concerning this variance request, Whiptail is available to discuss at your convenience. As a new entrant into New Mexico, Whiptail is excited about the opportunity to work and grow alongside our partners and neighbors in the community.

Sincerely,

Jude Dysart  
VP – Engineering and Technical Services

## McMillan, Michael, EMNRD

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**From:** Felix, Andrea <Andrea.Felix@wpxenergy.com>  
**Sent:** Thursday, April 20, 2017 8:18 AM  
**To:** McMillan, Michael, EMNRD  
**Cc:** Riley, Heather; VanDenBerg, Randy; Jordan, Robert; Shepard, Cyd; Jaramillo, Marie; Casey Haga; Granillo, Lacey; Atencio, Manuel  
**Subject:** RE: [EXTERNAL] RE: Quarterly Proving Request  
**Attachments:** WPX LACTmeasurementfacilitiesSanJuan.xlsx

Good morning Mike,

Please see attached the updated spreadsheet, thank you for catching the blank line for the NE Chaco Com #187H it now reads Chaco Unit NE HZ (OIL).

The truck and pipeline LACTS have the potential to servicing different pools, so therefore we have left the pool column blank for that reason.

Thank you,

**Andrea Felix, RWA**  
Regulatory Specialist Staff  
San Juan Basin  
Office: 505-333-1849  
Cell: 505-386-8205  
**WPXENERGY.**

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**From:** McMillan, Michael, EMNRD [mailto:Michael.McMillan@state.nm.us]  
**Sent:** Wednesday, April 19, 2017 4:24 PM  
**To:** Felix, Andrea <Andrea.Felix@wpxenergy.com>  
**Subject:** RE: [EXTERNAL] RE: Quarterly Proving Request

Andrea:  
Why are the pools for Truck and Pipeline LACTS (ones at bottom) and NE Chaco Com. #187H Transfer LACT blank? Are they servicing many different pools and leases, so the exact pool could not be determined?  
Thanks  
Mike

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**From:** Felix, Andrea [mailto:Andrea.Felix@wpxenergy.com]  
**Sent:** Wednesday, April 19, 2017 3:52 PM  
**To:** McMillan, Michael, EMNRD <Michael.McMillan@state.nm.us>  
**Cc:** Riley, Heather <Heather.Riley@wpxenergy.com>; VanDenBerg, Randy <RandyN.VanDenBerg@wpxenergy.com>; Jordan, Robert <Robert.Jordan@wpxenergy.com>; Shepard, Cyd <Cyd.Shepard@wpxenergy.com>; Jaramillo, Marie <Marie.Jaramillo@wpxenergy.com>; Casey Haga <caseyhaga@eis-llc.com>; Granillo, Lacey

## **McMillan, Michael, EMNRD**

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**From:** McMillan, Michael, EMNRD  
**Sent:** Friday, February 17, 2017 11:28 AM  
**To:** Jones, William V, EMNRD  
**Cc:** Brooks, David K, EMNRD  
**Subject:** RE: WPX metering frequency exception

Also I am unclear of notice

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**From:** McMillan, Michael, EMNRD  
**Sent:** Friday, February 17, 2017 11:27 AM  
**To:** Jones, William V, EMNRD <WilliamV.Jones@state.nm.us>  
**Cc:** Brooks, David K, EMNRD <DavidK.Brooks@state.nm.us>  
**Subject:** WPX metering frequency exception

Will and David:

I looked at NMAC 19.15.18 15.Paragraph12-14 (legally wrong description), but it appears that WPX can apply administratively for an exception, which allows the Director to set the set the frequency determination. All they would have to do is provide a graph (which is a literal interpretation, but based on the data presented not needed). I believe OCD should agree in this case to make WPX follow the either BLM or API standards, whichever is more stringent (Most likely irrelevant since BLM follows API standards)

I will put the application bank on Will's chair.

Mike

### **MICHAEL A. MCMILLAN**

Engineering Bureau, Oil Conservation Division  
1220 south St. Francis Dr., Santa Fe NM 87505  
O: 505.476.3448  
[Michael.McMillan@state.nm.us](mailto:Michael.McMillan@state.nm.us)

Customer: WPX -  
 Operator:  
 Location: 166 - Lact  
 Federal ID: SEC.15M T23N R7W

15-23N 7W  
 NE 1/4 Sec 30-39-31 202

| <b>Meter Data</b><br>67432068 WPX 166H<br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14494842<br>Model No.    | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 43.6 °API<br>Obs. Temp 87.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.2 °API HYC Y                                                                                                                                                                                                                                                                                                                                                              | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th></th> <th style="text-align: center;">Previous</th> <th style="text-align: center;">Current</th> </tr> <tr> <td>Task ID</td> <td>1474589103</td> <td>1476169000</td> </tr> <tr> <td>Date</td> <td>09/22/2016</td> <td>10/10/2016</td> </tr> <tr> <td>Time</td> <td>12:05</td> <td>18:56</td> </tr> <tr> <td>Product</td> <td>Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate</td> <td>35 bbl/hr</td> <td>35 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> <td></td> </tr> <tr> <td>Base Density</td> <td>41.8°API</td> <td>41.2 °API</td> </tr> <tr> <td>Avg Prvr Temp</td> <td>117.9</td> <td>109.8</td> </tr> <tr> <td>Avg Prvr Press</td> <td>38.0</td> <td>38.0</td> </tr> <tr> <td>Repeatability</td> <td>0.021 %</td> <td>0.042 %</td> </tr> <tr> <td>CMF</td> <td>0.9994</td> <td>0.9990</td> </tr> <tr> <td>CMF Variance</td> <td>-0.0001</td> <td>-0.0004</td> </tr> </table> |  | Previous | Current | Task ID | 1474589103 | 1476169000 | Date | 09/22/2016 | 10/10/2016 | Time | 12:05 | 18:56 | Product | Crude | Crude | Flowrate | 35 bbl/hr | 35 bbl/hr | Totalizer |  |  | Throughput |  |  | Base Density | 41.8°API | 41.2 °API | Avg Prvr Temp | 117.9 | 109.8 | Avg Prvr Press | 38.0 | 38.0 | Repeatability | 0.021 % | 0.042 % | CMF | 0.9994 | 0.9990 | CMF Variance | -0.0001 | -0.0004 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|---------|---------|------------|------------|------|------------|------------|------|-------|-------|---------|-------|-------|----------|-----------|-----------|-----------|--|--|------------|--|--|--------------|----------|-----------|---------------|-------|-------|----------------|------|------|---------------|---------|---------|-----|--------|--------|--------------|---------|---------|
|                                                                                                                                                                                                               | Previous                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |          |         |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |          |           |               |       |       |                |      |      |               |         |         |     |        |        |              |         |         |
| Task ID                                                                                                                                                                                                       | 1474589103                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1476169000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |          |         |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |          |           |               |       |       |                |      |      |               |         |         |     |        |        |              |         |         |
| Date                                                                                                                                                                                                          | 09/22/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10/10/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |          |         |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |          |           |               |       |       |                |      |      |               |         |         |     |        |        |              |         |         |
| Time                                                                                                                                                                                                          | 12:05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 18:56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |          |         |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |          |           |               |       |       |                |      |      |               |         |         |     |        |        |              |         |         |
| Product                                                                                                                                                                                                       | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |          |         |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |          |           |               |       |       |                |      |      |               |         |         |     |        |        |              |         |         |
| Flowrate                                                                                                                                                                                                      | 35 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 35 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |          |         |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |          |           |               |       |       |                |      |      |               |         |         |     |        |        |              |         |         |
| Totalizer                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |          |         |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |          |           |               |       |       |                |      |      |               |         |         |     |        |        |              |         |         |
| Throughput                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |          |         |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |          |           |               |       |       |                |      |      |               |         |         |     |        |        |              |         |         |
| Base Density                                                                                                                                                                                                  | 41.8°API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 41.2 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |          |         |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |          |           |               |       |       |                |      |      |               |         |         |     |        |        |              |         |         |
| Avg Prvr Temp                                                                                                                                                                                                 | 117.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 109.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |          |         |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |          |           |               |       |       |                |      |      |               |         |         |     |        |        |              |         |         |
| Avg Prvr Press                                                                                                                                                                                                | 38.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 38.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |         |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |          |           |               |       |       |                |      |      |               |         |         |     |        |        |              |         |         |
| Repeatability                                                                                                                                                                                                 | 0.021 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.042 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |          |         |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |          |           |               |       |       |                |      |      |               |         |         |     |        |        |              |         |         |
| CMF                                                                                                                                                                                                           | 0.9994                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.9990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |          |         |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |          |           |               |       |       |                |      |      |               |         |         |     |        |        |              |         |         |
| CMF Variance                                                                                                                                                                                                  | -0.0001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -0.0004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |          |         |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |          |           |               |       |       |                |      |      |               |         |         |     |        |        |              |         |         |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 38.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |          |         |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |          |           |               |       |       |                |      |      |               |         |         |     |        |        |              |         |         |

| Run            | TEMPERATURE  |              | PRESSURE    |             | PULSES            | Run Accepted ? | IMF            | Flowrate      |
|----------------|--------------|--------------|-------------|-------------|-------------------|----------------|----------------|---------------|
|                | Tp           | Tm           | Pp          | Pm          | N                 |                |                | bbl/hr        |
| 1              | 105.2        | 105.2        | 38.0        | 42.0        | 11910.000         | 1 Yes          | 0.99850        | 35.000        |
| 2              | 108.6        | 108.6        | 38.0        | 42.0        | 11911.000         | 2 Yes          | 0.99847        | 35.000        |
| 3              | 110.8        | 110.8        | 38.0        | 42.0        | 11907.000         | 3 Yes          | 0.99884        | 35.000        |
| 4              | 112.1        | 112.1        | 38.0        | 42.0        | 11908.000         | 4 Yes          | 0.99879        | 35.000        |
| 5              | 112.5        | 112.5        | 38.0        | 42.0        | 11907.000         | 5 Yes          | 0.99889        | 35.000        |
| <b>Average</b> | <b>109.8</b> | <b>109.8</b> | <b>38.0</b> | <b>42.0</b> | <b>11908.6000</b> |                | <b>0.99870</b> | <b>35.000</b> |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00093 | 1.00003 | 0.97446 | 1.00025 | 0.97564 | 1.15926 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11908.6000 | 10000.0000 | 1.19086 | 0.97446 | 1.00028 | 0.97473 | 1.16077 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 0.9987 MF  
 (2) MF \* CPL = 0.9990 CMF  
 (3) 1 ÷ MF = 1.0013 MA  
 (4) NKF ÷ MF = 10013 KF  
 (5) KF ÷ CPL = 10010 CKF

Repeatability: 0.042 %  
 Uncertainty: 0.022 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

PROVEIT

Customer: WPX -  
 Operator:  
 Location: 166 - Lact  
 Federal ID: SEC.15M T23N R7W

AB CHA  
 15-23N7W

| <b>Meter Data</b><br>67432068 WPX 166H<br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14494842<br>Model No.     | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 43.9 °API<br>Obs. Temp 81.1 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 42.0 °API HYC Y                                                                                                                                                                                                                                                                                                                                                           | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;"><u>Previous</u></th> <th style="text-align: left;"><u>Current</u></th> </tr> <tr> <td>Task ID 1469137685</td> <td>1472092668</td> </tr> <tr> <td>Date 07/21/2016</td> <td>08/24/2016</td> </tr> <tr> <td>Time 9:46</td> <td>14:37</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 35 bbl/hr</td> <td>25 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> </tr> <tr> <td>Base Density 40.7 °API</td> <td>42.0 °API</td> </tr> <tr> <td>Avg Prvr Temp 80.5</td> <td>80.2</td> </tr> <tr> <td>Avg Prvr Press 36.0</td> <td>39.0</td> </tr> <tr> <td>Repeatability 0.014 %</td> <td>0.050 %</td> </tr> <tr> <td>CMF 1.0008</td> <td>1.0012</td> </tr> <tr> <td>CMF Variance -0.0004</td> <td>0.0004</td> </tr> </table> | <u>Previous</u> | <u>Current</u> | Task ID 1469137685 | 1472092668 | Date 07/21/2016 | 08/24/2016 | Time 9:46 | 14:37 | Product Crude | Crude | Flowrate 35 bbl/hr | 25 bbl/hr | Totalizer |  | Throughput |  | Base Density 40.7 °API | 42.0 °API | Avg Prvr Temp 80.5 | 80.2 | Avg Prvr Press 36.0 | 39.0 | Repeatability 0.014 % | 0.050 % | CMF 1.0008 | 1.0012 | CMF Variance -0.0004 | 0.0004 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--------------------|------------|-----------------|------------|-----------|-------|---------------|-------|--------------------|-----------|-----------|--|------------|--|------------------------|-----------|--------------------|------|---------------------|------|-----------------------|---------|------------|--------|----------------------|--------|
| <u>Previous</u>                                                                                                                                                                                                | <u>Current</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Task ID 1469137685                                                                                                                                                                                             | 1472092668                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Date 07/21/2016                                                                                                                                                                                                | 08/24/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Time 9:46                                                                                                                                                                                                      | 14:37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Product Crude                                                                                                                                                                                                  | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Flowrate 35 bbl/hr                                                                                                                                                                                             | 25 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Totalizer                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Throughput                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Base Density 40.7 °API                                                                                                                                                                                         | 42.0 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Avg Prvr Temp 80.5                                                                                                                                                                                             | 80.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Avg Prvr Press 36.0                                                                                                                                                                                            | 39.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Repeatability 0.014 %                                                                                                                                                                                          | 0.050 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |        |
| CMF 1.0008                                                                                                                                                                                                     | 1.0012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |        |
| CMF Variance -0.0004                                                                                                                                                                                           | 0.0004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |        |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/PF<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 41.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |        |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate<br>bbl/hr |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|--------------------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         |                    |
| 1       | 83.2        | 83.2 | 39.0     | 41.0 | 11878.741  | 1              | Yes | 1.00072 | 25.012             |
| 2       | 80.4        | 80.4 | 39.0     | 41.0 | 11872.150  | 2              | Yes | 1.00122 | 24.996             |
| 3       | 79.7        | 79.7 | 39.0     | 41.0 | 11876.841  | 3              | Yes | 1.00081 | 25.017             |
| 4       | 79.1        | 79.1 | 39.0     | 41.0 | 11876.231  | 4              | Yes | 1.00085 | 25.034             |
| 5       | 78.5        | 78.5 | 39.0     | 41.0 | 11871.848  | 5              | Yes | 1.00121 | 25.041             |
| Average | 80.2        | 80.2 | 39.0     | 41.0 | 11875.1622 |                |     | 1.00096 | 25.020             |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00038 | 1.00003 | 0.98959 | 1.00023 | 0.99022 | 1.17658 |

(2) ISVm:  $[N(avg) \div NKF = IVm] * [CTLm * CPLm = CCFm]$

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11875.1622 | 10000.0000 | 1.18752 | 0.98959 | 1.00025 | 0.98984 | 1.17545 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0010 MF  
 (2) MF \* CPL = 1.0012 CMF  
 (3) 1 ÷ MF = 0.9990 MA  
 (4) NKF ÷ MF = 9990.0 KF  
 (5) KF ÷ CPL = 9988.0 CKF

Repeatability: 0.050 %  
 Uncertainty: 0.027 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician: 

PROVE

Witness:

Customer: WPX -  
Operator:  
Location: 166 - Lact  
Federal ID: SEC.15M T23N R7W

N5CWA CO  
15-232-76

| <b>Meter Data</b><br>67432068 WPX 166H<br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14494842<br>Model No.        | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 46.3 °API<br>Obs. Temp 110.4 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.8 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                      | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;">Previous</th> <th style="text-align: left;">Current</th> </tr> <tr> <td>Task ID 1472093974</td> <td>1474586840</td> </tr> <tr> <td>Date 08/24/2016</td> <td>09/22/2016</td> </tr> <tr> <td>Time 14:59</td> <td>11:27</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 35 bbl/hr</td> <td>25 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> </tr> <tr> <td>Base Density 42.0 °API</td> <td>41.8 °API</td> </tr> <tr> <td>Avg Pvr Temp 76.6</td> <td>116.0</td> </tr> <tr> <td>Avg Pvr Press 37.0</td> <td>40.0</td> </tr> <tr> <td>Repeatability 0.016 %</td> <td>0.046 %</td> </tr> <tr> <td>CMF 1.0013</td> <td>0.9995</td> </tr> <tr> <td>CMF Variance 0.0001</td> <td>-0.0018</td> </tr> </table> | Previous | Current | Task ID 1472093974 | 1474586840 | Date 08/24/2016 | 09/22/2016 | Time 14:59 | 11:27 | Product Crude | Crude | Flowrate 35 bbl/hr | 25 bbl/hr | Totalizer |  | Throughput |  | Base Density 42.0 °API | 41.8 °API | Avg Pvr Temp 76.6 | 116.0 | Avg Pvr Press 37.0 | 40.0 | Repeatability 0.016 % | 0.046 % | CMF 1.0013 | 0.9995 | CMF Variance 0.0001 | -0.0018 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|--------------------|------------|-----------------|------------|------------|-------|---------------|-------|--------------------|-----------|-----------|--|------------|--|------------------------|-----------|-------------------|-------|--------------------|------|-----------------------|---------|------------|--------|---------------------|---------|
| Previous                                                                                                                                                                                                          | Current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |       |                    |      |                       |         |            |        |                     |         |
| Task ID 1472093974                                                                                                                                                                                                | 1474586840                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |       |                    |      |                       |         |            |        |                     |         |
| Date 08/24/2016                                                                                                                                                                                                   | 09/22/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |       |                    |      |                       |         |            |        |                     |         |
| Time 14:59                                                                                                                                                                                                        | 11:27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |       |                    |      |                       |         |            |        |                     |         |
| Product Crude                                                                                                                                                                                                     | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |       |                    |      |                       |         |            |        |                     |         |
| Flowrate 35 bbl/hr                                                                                                                                                                                                | 25 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |       |                    |      |                       |         |            |        |                     |         |
| Totalizer                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |       |                    |      |                       |         |            |        |                     |         |
| Throughput                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |       |                    |      |                       |         |            |        |                     |         |
| Base Density 42.0 °API                                                                                                                                                                                            | 41.8 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |       |                    |      |                       |         |            |        |                     |         |
| Avg Pvr Temp 76.6                                                                                                                                                                                                 | 116.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |       |                    |      |                       |         |            |        |                     |         |
| Avg Pvr Press 37.0                                                                                                                                                                                                | 40.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |       |                    |      |                       |         |            |        |                     |         |
| Repeatability 0.016 %                                                                                                                                                                                             | 0.046 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |       |                    |      |                       |         |            |        |                     |         |
| CMF 1.0013                                                                                                                                                                                                        | 0.9995                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |       |                    |      |                       |         |            |        |                     |         |
| CMF Variance 0.0001                                                                                                                                                                                               | -0.0018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |       |                    |      |                       |         |            |        |                     |         |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 40.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |       |                    |      |                       |         |            |        |                     |         |

| Run     | TEMPERATURE |       | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|-------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm    | Pp       | Pm   | N          |                |     |         | bbVhr    |
| 1       | 114.2       | 114.2 | 40.0     | 41.0 | 11904.436  | 1              | Yes | 0.99914 | 25.003   |
| 2       | 115.9       | 115.9 | 40.0     | 41.0 | 11901.652  | 2              | Yes | 0.99940 | 24.955   |
| 3       | 116.4       | 116.4 | 40.0     | 41.0 | 11907.429  | 3              | Yes | 0.99894 | 24.941   |
| 4       | 116.6       | 116.6 | 40.0     | 41.0 | 11904.730  | 4              | Yes | 0.99916 | 24.885   |
| 5       | 116.8       | 116.8 | 40.0     | 41.0 | 11904.693  | 5              | Yes | 0.99917 | 24.868   |
| Average | 116.0       | 116.0 | 40.0     | 41.0 | 11904.5880 |                |     | 0.99916 | 24.930   |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00104 | 1.00003 | 0.97105 | 1.00027 | 0.97235 | 1.15535 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

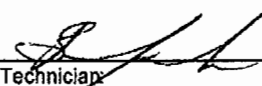
|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11904.5880 | 10000.0000 | 1.19046 | 0.97105 | 1.00028 | 0.97132 | 1.15632 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 0.9992 MF  
 (2) MF \* CPL = 0.9995 CMF  
 (3) 1 ÷ MF = 1.0008 MA  
 (4) NKF ÷ MF = 10008 KF  
 (5) KF ÷ CPL = 10005 CKF

Repeatability: 0.046 %  
 Uncertainty: 0.025 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician: 

Witness:

PROVEIT

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 PROVEIT PROVEIT 8.7.0.0

09/22/2016 19:34 Page: 1  
 Revision: 1



13-232  
303-3142  
no other cases

| Run            | TEMPERATURE |             | PRESSURE    |             | PULSES<br>N       | Run Accepted ? |     | IMF            | Flowrate<br>bb/hr |
|----------------|-------------|-------------|-------------|-------------|-------------------|----------------|-----|----------------|-------------------|
|                | Tp          | Tm          | Pp          | Pm          |                   |                |     |                |                   |
| 1              | 88.5        | 88.5        | 42.0        | 46.0        | 11850.000         | 1              | Yes | 1.00324        | 12.000            |
| 2              | 89.6        | 89.6        | 42.0        | 46.0        | 11853.000         | 2              | Yes | 1.00301        | 12.000            |
| 3              | 90.4        | 90.4        | 42.0        | 46.0        | 11850.000         | 3              | Yes | 1.00327        | 12.000            |
| 4              | 90.6        | 90.6        | 42.0        | 46.0        | 11849.000         | 4              | Yes | 1.00335        | 12.000            |
| 5              | 91.2        | 91.2        | 42.0        | 46.0        | 11848.000         | 5              | Yes | 1.00345        | 12.000            |
| <b>Average</b> | <b>90.1</b> | <b>90.1</b> | <b>42.0</b> | <b>46.0</b> | <b>11850.0000</b> |                |     | <b>1.00326</b> | <b>12.000</b>     |

|            |             |             |             |             |             |             |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>BPV</i> | <i>CTSp</i> | <i>CPSp</i> | <i>CTLp</i> | <i>CPLp</i> | <i>CCFp</i> | <i>GSVp</i> |
| 1.18820    | 1.00056     | 1.00003     | 0.98453     | 1.00026     | 0.98537     | 1.17082     |

| <i>N</i> (avg) | <i>NKF</i> | <i>IVm</i> | <i>CTLm</i> | <i>CPLm</i> | <i>CCFm</i> | <i>ISVm</i> |
|----------------|------------|------------|-------------|-------------|-------------|-------------|
| 11850.0000     | 10000.0000 | 1.18500    | 0.98453     | 1.00029     | 0.98482     | 1.16701     |

|      |     |               |        |
|------|-----|---------------|--------|
| >>>> | (1) | GSVP ÷ ISVm = | 1.0033 |
|      | (2) | MF * CPL =    | 1.0035 |
|      | (3) | 1 ÷ MF =      | 0.9967 |
|      | (4) | NKF ÷ MF =    | 9967.1 |
|      | (5) | KF ÷ CPL =    | 9965.1 |

|     |                      |         |
|-----|----------------------|---------|
| MF  | Trans. Serial No.    |         |
| CMF | Flow Calib Factor    |         |
| MA  | Density Calib Factor |         |
| KF  | Frequency Set Point  |         |
| CKF | Flowrate Set Point   |         |
|     | Zero Verified        | Zeroed  |
|     | As Found             | As Left |

Repeatability: 0.044 %  
Uncertainty: 0.023 %

**Witness:**

Customer: WPX -

Operator:

Location:

Federal ID:

13-23n-7w

| Meter Data                       |  | Product Data                          |  | Proving Data                                     |  |
|----------------------------------|--|---------------------------------------|--|--------------------------------------------------|--|
| 67418475 WPX 175H                |  | Name Crude                            |  | Previous Current                                 |  |
| Factor Tracked Composite MF(CMF) |  | Batch No.                             |  | Task ID 1468963534 1472250823                    |  |
| Temp Compensated No              |  | Obs. Gravity 43.7 °API                |  | Date 07/19/2016 08/26/2016                       |  |
| NKF 10000.0000 N/bbl             |  | Obs. Temp 77.7 °F                     |  | Time 9:25 10:33                                  |  |
| Manufacturer Micro Motion        |  | Obs. Press 0.0 psi                    |  | Product Crude Crude                              |  |
| Size 1.00 in                     |  | API Table Table A - Crude Oil (2004)  |  | Flowrate 8 bbl/hr 8 bbl/hr                       |  |
| Serial No.                       |  | Base Density 42.1 °API HYC Y          |  | Totalizer                                        |  |
| Model No.                        |  |                                       |  | Throughput                                       |  |
|                                  |  | Tolerances                            |  | Base Density 41.7 °API 42.1 °API                 |  |
|                                  |  | Tolerance Type: Repeatability         |  | Avg Pvr Temp 89.2 82.6                           |  |
|                                  |  | Maximum Deviation: 0.050 %            |  | Avg Pvr Press 118.0 54.0                         |  |
|                                  |  | Enabled? Y Passed? Y Min # of Runs: 5 |  | Repeatability 0.016 % 0.025 %                    |  |
|                                  |  | Criteria: 5 out of 5 consecutive runs |  | CMF 0.9753 1.0070                                |  |
|                                  |  | Avg X Prev Meter Factor Deviation:    |  | CMF Variance -0.0206 0.0317                      |  |
|                                  |  | Enabled? N Passed? Y Prod Dep? N      |  |                                                  |  |
|                                  |  | Prev X Factor Count Sought: 1         |  |                                                  |  |
|                                  |  | Prev X Factor Count Used: 0           |  |                                                  |  |
|                                  |  | Cut Off History? N Cutoff Date:       |  |                                                  |  |
|                                  |  | Prev Meter Factor Deviation:          |  |                                                  |  |
|                                  |  | Enabled? N Passed? Y Prod Dep? N      |  |                                                  |  |
|                                  |  | Proving Mode: Volumetric              |  |                                                  |  |
|                                  |  | Density Mode: Manual                  |  |                                                  |  |
|                                  |  | Calc. Method: Avg. Meter Factor       |  |                                                  |  |
|                                  |  | Proving Method: PIU                   |  |                                                  |  |
|                                  |  | Passes Per Run 1                      |  |                                                  |  |
| Prover Data                      |  |                                       |  | Liquid Properties at Metering Conditions for CMF |  |
| BPV 1.18820 bbl                  |  |                                       |  | Normal Op. Pressure 53.0 psig                    |  |
| I.D. 7.981 in                    |  |                                       |  | Eq. Vapor Pressure psig                          |  |
| W.T. 0.322 in                    |  |                                       |  | CPL 1.0003                                       |  |
| Manufacturer DOMINION            |  |                                       |  |                                                  |  |
| Type Displacement-Sphere         |  |                                       |  |                                                  |  |
| Serial No. 23MM                  |  |                                       |  |                                                  |  |
| Elasticity 3.0E7 1/psi           |  |                                       |  |                                                  |  |
| Pipe Gc 1.86E-5 1°F              |  |                                       |  |                                                  |  |
| Certified                        |  |                                       |  |                                                  |  |

| Run     | TEMPERATURE | PRESSURE  | PULSES     | Run Accepted ? | IMF     | Flowrate |
|---------|-------------|-----------|------------|----------------|---------|----------|
|         | Tp Tm       | Pp Pm     | N          |                |         | bb/hr    |
| 1       | 82.1 82.1   | 54.0 54.0 | 11808.694  | 1 Yes          | 1.00665 | 8.184    |
| 2       | 82.0 82.0   | 54.0 54.0 | 11806.520  | 2 Yes          | 1.00684 | 8.398    |
| 3       | 82.6 82.6   | 54.0 54.0 | 11809.458  | 3 Yes          | 1.00659 | 8.388    |
| 4       | 83.0 83.0   | 54.0 54.0 | 11808.477  | 4 Yes          | 1.00669 | 8.319    |
| 5       | 83.2 83.2   | 54.0 54.0 | 11808.291  | 5 Yes          | 1.00671 | 8.427    |
| Average | 82.6 82.6   | 54.0 54.0 | 11808.2880 |                | 1.00670 | 8.343    |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$ 

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00042 | 1.00004 | 0.98833 | 1.00033 | 0.98911 | 1.17526 |

(2) ISVm:  $[N(avg) \div NKF = IVm] * [CTLm * CPLm = CCFm]$ 

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11808.2880 | 10000.0000 | 1.18083 | 0.98833 | 1.00033 | 0.98866 | 1.16744 |

(3) Proving Factors:

>>>> (1) GSVp  $\div$  ISVm = 1.0067 MF  
 (2) MF \* CPL = 1.0070 CMF  
 (3) 1  $\div$  MF = 0.9933 MA  
 (4) NKF  $\div$  MF = 9933.4 KF  
 (5) KF  $\div$  CPL = 9930.4 CKF

Repeatability: 0.025 %  
 Uncertainty: 0.013 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

PROVE

Customer: WPX -

Operator:

Location:

Federal ID:

NEC 4A  
13-23272

| Meter Data                                                                                                                                                                                                    | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Proving Data                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67418475 WPX 175H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No.<br>Model No.                           | Name Crude<br>Batch No.<br>Obs. Gravity 46.5 °API<br>Obs. Temp 100.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 42.9 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                    | Previous Current<br>Task ID 1473976911 1473976149<br>Date 09/15/2016 09/15/2016<br>Time 9:45 9:49<br>Product Crude Crude<br>Flowrate 41 bbl/hr 8 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 42.9 °API 42.9 °API<br>Avg Pvr Temp 99.0 95.1<br>Avg Pvr Press 82.0 53.0<br>Repeatability 0.034 % 0.041 %<br>CMF 1.0027 1.0051<br>CMF Variance 0.0000 0.0024 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 36.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                           |

| Run     | TEMPERATURE<br>Tp Tm | PRESSURE<br>Pp Pm | PULSES<br>N | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|----------------------|-------------------|-------------|----------------|---------|--------------------|
| 1       | 94.8 94.8            | 53.0 55.0         | 11832.000   | 1 Yes          | 1.00490 | 8.000              |
| 2       | 94.5 94.5            | 53.0 55.0         | 11833.000   | 2 Yes          | 1.00482 | 8.000              |
| 3       | 95.1 95.1            | 53.0 55.0         | 11830.000   | 3 Yes          | 1.00507 | 8.000              |
| 4       | 95.3 95.3            | 53.0 55.0         | 11835.000   | 4 Yes          | 1.00466 | 8.000              |
| 5       | 95.6 95.6            | 53.0 55.0         | 11832.000   | 5 Yes          | 1.00491 | 8.000              |
| Average | 95.1 95.1            | 53.0 55.0         | 11832.4000  |                | 1.00487 | 8.000              |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00065 | 1.00004 | 0.98168 | 1.00034 | 0.98269 | 1.16763 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11832.4000 | 10000.0000 | 1.18324 | 0.98168 | 1.00036 | 0.98203 | 1.16198 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0049 MF  
 (2) MF \* CPL = 1.0051 CMF  
 (3) 1 ÷ MF = 0.9951 MA  
 (4) NKF ÷ MF = 9951.2 KF  
 (5) KF ÷ CPL = 9949.2 CKF

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Repeatability: 0.041 %  
 Uncertainty: 0.022 %

Technician:

Witness:

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09/15/2016 9:51 Page: 1  
Revision: 1

Customer: WPX -

Operator:

Location:

Federal ID:

NE Chalco Com

| <b>Meter Data</b><br><b>67419511 WPX 176H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No. 14517624<br>Model No. CMF100M | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 41.6 °API<br>Obs. Temp 99.8 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 38.3 °API HYC Y                                                                                                                                                                                                                                                                                                                                                              | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;"><u>Previous</u></th> <th style="text-align: left;"><u>Current</u></th> </tr> <tr> <td>Task ID 1468879834</td> <td>1471572007</td> </tr> <tr> <td>Date 07/18/2016</td> <td>08/18/2016</td> </tr> <tr> <td>Time 10:10</td> <td>14:00</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 42 bbl/hr</td> <td>8 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> </tr> <tr> <td>Base Density 38.0°API</td> <td>38.3 °API</td> </tr> <tr> <td>Avg Prvr Temp 117.3</td> <td>104.2</td> </tr> <tr> <td>Avg Prvr Press 172.0</td> <td>95.0</td> </tr> <tr> <td>Repeatability 0.006 %</td> <td>0.037 %</td> </tr> <tr> <td>CMF 0.9974</td> <td>0.9997</td> </tr> <tr> <td>CMF Variance 0.0018</td> <td>0.0023</td> </tr> </table> | <u>Previous</u> | <u>Current</u> | Task ID 1468879834 | 1471572007 | Date 07/18/2016 | 08/18/2016 | Time 10:10 | 14:00 | Product Crude | Crude | Flowrate 42 bbl/hr | 8 bbl/hr | Totalizer |  | Throughput |  | Base Density 38.0°API | 38.3 °API | Avg Prvr Temp 117.3 | 104.2 | Avg Prvr Press 172.0 | 95.0 | Repeatability 0.006 % | 0.037 % | CMF 0.9974 | 0.9997 | CMF Variance 0.0018 | 0.0023 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--------------------|------------|-----------------|------------|------------|-------|---------------|-------|--------------------|----------|-----------|--|------------|--|-----------------------|-----------|---------------------|-------|----------------------|------|-----------------------|---------|------------|--------|---------------------|--------|
| <u>Previous</u>                                                                                                                                                                                                           | <u>Current</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                     |       |                      |      |                       |         |            |        |                     |        |
| Task ID 1468879834                                                                                                                                                                                                        | 1471572007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                     |       |                      |      |                       |         |            |        |                     |        |
| Date 07/18/2016                                                                                                                                                                                                           | 08/18/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                     |       |                      |      |                       |         |            |        |                     |        |
| Time 10:10                                                                                                                                                                                                                | 14:00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                     |       |                      |      |                       |         |            |        |                     |        |
| Product Crude                                                                                                                                                                                                             | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                     |       |                      |      |                       |         |            |        |                     |        |
| Flowrate 42 bbl/hr                                                                                                                                                                                                        | 8 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                     |       |                      |      |                       |         |            |        |                     |        |
| Totalizer                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                     |       |                      |      |                       |         |            |        |                     |        |
| Throughput                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                     |       |                      |      |                       |         |            |        |                     |        |
| Base Density 38.0°API                                                                                                                                                                                                     | 38.3 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                     |       |                      |      |                       |         |            |        |                     |        |
| Avg Prvr Temp 117.3                                                                                                                                                                                                       | 104.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                     |       |                      |      |                       |         |            |        |                     |        |
| Avg Prvr Press 172.0                                                                                                                                                                                                      | 95.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                     |       |                      |      |                       |         |            |        |                     |        |
| Repeatability 0.006 %                                                                                                                                                                                                     | 0.037 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                     |       |                      |      |                       |         |            |        |                     |        |
| CMF 0.9974                                                                                                                                                                                                                | 0.9997                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                     |       |                      |      |                       |         |            |        |                     |        |
| CMF Variance 0.0018                                                                                                                                                                                                       | 0.0023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                     |       |                      |      |                       |         |            |        |                     |        |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/F<br>Certified             | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 95.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                     |       |                      |      |                       |         |            |        |                     |        |

| Run     | TEMPERATURE |       | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|-------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm    | Pp       | Pm   | N          |                |     |         | bb/hr    |
| 1       | 102.7       | 102.7 | 95.0     | 95.0 | 11899.841  | 1              | Yes | 0.99937 | 8.319    |
| 2       | 104.0       | 104.0 | 95.0     | 95.0 | 11904.003  | 2              | Yes | 0.99905 | 8.316    |
| 3       | 104.5       | 104.5 | 95.0     | 95.0 | 11904.817  | 3              | Yes | 0.99900 | 8.319    |
| 4       | 104.8       | 104.8 | 95.0     | 95.0 | 11902.946  | 4              | Yes | 0.99915 | 8.141    |
| 5       | 104.8       | 104.8 | 95.0     | 95.0 | 11902.914  | 5              | Yes | 0.99915 | 8.243    |
| Average | 104.2       | 104.2 | 95.0     | 95.0 | 11902.9042 |                |     | 0.99914 | 8.267    |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$ 

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00082 | 1.00008 | 0.97811 | 1.00058 | 0.97956 | 1.16391 |

(2) ISVm:  $[N(avg) + NKF = IVm] * [CTLm * CPLm = CCFm]$ 

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11902.9042 | 10000.0000 | 1.19029 | 0.97811 | 1.00058 | 0.97868 | 1.16491 |

(3) Proving Factors:

|          |               |        |     |
|----------|---------------|--------|-----|
| >>>> (1) | GSVp + ISVm = | 0.9991 | MF  |
| (2)      | MF * CPL =    | 0.9997 | CMF |
| (3)      | 1 + MF =      | 1.0009 | MA  |
| (4)      | NKF + MF =    | 10009  | KF  |
| (5)      | KF + CPL =    | 10003  | CKF |

 Repeatability: 0.037 %  
 Uncertainty: 0.020 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

PROVE



Customer: WPX -

Operator:

Location:

Federal ID:

NEC 400# 173 14  
30-039-31207  
13-23-20-7 W

| <b>Meter Data</b><br>67413121 WPX 173H<br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No.<br>Model No.              | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 41.0 °API<br>Obs. Temp 60.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.0 °API HYC Y                                                                                                                                                                                                                                                                                                                                                           | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;"><u>Previous</u></th> <th style="text-align: left;"><u>Current</u></th> </tr> <tr> <td>Task ID 1473801422</td> <td>1476819712</td> </tr> <tr> <td>Date 09/13/2016</td> <td>10/18/2016</td> </tr> <tr> <td>Time 9:17</td> <td>7:41</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 12 bbl/hr</td> <td>13 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> </tr> <tr> <td>Base Density 44.6°API</td> <td>41.0 °API</td> </tr> <tr> <td>Avg Pvr Temp 78.1</td> <td>81.4</td> </tr> <tr> <td>Avg Pvr Press 78.0</td> <td>74.0</td> </tr> <tr> <td>Repeatability 0.031 %</td> <td>0.047 %</td> </tr> <tr> <td>CMF 1.0021</td> <td>1.0011</td> </tr> <tr> <td>CMF Variance 0.0011</td> <td>-0.0010</td> </tr> </table> | <u>Previous</u> | <u>Current</u> | Task ID 1473801422 | 1476819712 | Date 09/13/2016 | 10/18/2016 | Time 9:17 | 7:41 | Product Crude | Crude | Flowrate 12 bbl/hr | 13 bbl/hr | Totalizer |  | Throughput |  | Base Density 44.6°API | 41.0 °API | Avg Pvr Temp 78.1 | 81.4 | Avg Pvr Press 78.0 | 74.0 | Repeatability 0.031 % | 0.047 % | CMF 1.0021 | 1.0011 | CMF Variance 0.0011 | -0.0010 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--------------------|------------|-----------------|------------|-----------|------|---------------|-------|--------------------|-----------|-----------|--|------------|--|-----------------------|-----------|-------------------|------|--------------------|------|-----------------------|---------|------------|--------|---------------------|---------|
| <u>Previous</u>                                                                                                                                                                                                | <u>Current</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Task ID 1473801422                                                                                                                                                                                             | 1476819712                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Date 09/13/2016                                                                                                                                                                                                | 10/18/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Time 9:17                                                                                                                                                                                                      | 7:41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Product Crude                                                                                                                                                                                                  | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Flowrate 12 bbl/hr                                                                                                                                                                                             | 13 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Totalizer                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Throughput                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Base Density 44.6°API                                                                                                                                                                                          | 41.0 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Avg Pvr Temp 78.1                                                                                                                                                                                              | 81.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Avg Pvr Press 78.0                                                                                                                                                                                             | 74.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Repeatability 0.031 %                                                                                                                                                                                          | 0.047 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                     |         |
| CMF 1.0021                                                                                                                                                                                                     | 1.0011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                     |         |
| CMF Variance 0.0011                                                                                                                                                                                            | -0.0010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                     |         |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/PF<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 70.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |                |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                     |         |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbVhr    |
| 1       | 78.6        | 78.6 | 74.0     | 75.0 | 11885.722  | 1              | No  | 1.00008 | 12.482   |
| 2       | 80.5        | 80.5 | 74.0     | 75.0 | 11882.431  | 2              | Yes | 1.00040 | 12.499   |
| 3       | 80.7        | 80.7 | 74.0     | 75.0 | 11880.338  | 3              | Yes | 1.00058 | 12.505   |
| 4       | 80.9        | 80.9 | 74.0     | 75.0 | 11879.366  | 4              | Yes | 1.00065 | 12.513   |
| 5       | 82.1        | 82.1 | 74.0     | 75.0 | 11878.244  | 5              | Yes | 1.00078 | 12.495   |
| 6       | 82.8        | 82.8 | 74.0     | 75.0 | 11877.333  | 6              | Yes | 1.00087 | 12.492   |
| Average | 81.4        | 81.4 | 74.0     | 75.0 | 11879.5424 |                |     | 1.00066 | 12.601   |

(1) GSVp: BPV \* [CTSp \* CPSP \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00040 | 1.00006 | 0.98909 | 1.00044 | 0.98998 | 1.17629 |

(2) ISVm: [N(avg) + NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11879.5424 | 10000.0000 | 1.18795 | 0.98909 | 1.00045 | 0.98954 | 1.17552 |

(3) Proving Factors:

>>>> (1) GSVp + ISVm = 1.0007 MF  
 (2) MF \* CPL = 1.0011 CMF  
 (3) 1 + MF = 0.9993 MA  
 (4) NKF + MF = 9993.0 KF  
 (5) KF + CPL = 9989.0 CKF

Repeatability: 0.047 %  
 Uncertainty: 0.033 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

PROVE

Customer: WPX -  
Operator:  
Location:  
Federal ID:

NE CHAU  
13-232-72

| <b>Meter Data</b><br>67413121 WPX 173H<br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No.<br>Model No.             | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 44.7 °API<br>Obs. Temp 98.2 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.3 °API HYC Y                                                                                                                                                                                                                                                                                                                                                           | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;"><u>Previous</u></th> <th style="text-align: left;"><u>Current</u></th> </tr> <tr> <td>Task ID 1469226220</td> <td>1470369981</td> </tr> <tr> <td>Data 07/22/2016</td> <td>08/04/2016</td> </tr> <tr> <td>Time 10:23</td> <td>13:19</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 13 bbl/hr</td> <td>12 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> </tr> <tr> <td>Base Density 41.8°API</td> <td>41.3 °API</td> </tr> <tr> <td>Avg Pvr Temp 81.7</td> <td>95.6</td> </tr> <tr> <td>Avg Pvr Press 65.0</td> <td>65.0</td> </tr> <tr> <td>Repeatability 0.017 %</td> <td>0.040 %</td> </tr> <tr> <td>CMF 0.9930</td> <td>1.0010</td> </tr> <tr> <td>CMF Variance -0.0040</td> <td>0.0080</td> </tr> </table> | <u>Previous</u> | <u>Current</u> | Task ID 1469226220 | 1470369981 | Data 07/22/2016 | 08/04/2016 | Time 10:23 | 13:19 | Product Crude | Crude | Flowrate 13 bbl/hr | 12 bbl/hr | Totalizer |  | Throughput |  | Base Density 41.8°API | 41.3 °API | Avg Pvr Temp 81.7 | 95.6 | Avg Pvr Press 65.0 | 65.0 | Repeatability 0.017 % | 0.040 % | CMF 0.9930 | 1.0010 | CMF Variance -0.0040 | 0.0080 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--------------------|------------|-----------------|------------|------------|-------|---------------|-------|--------------------|-----------|-----------|--|------------|--|-----------------------|-----------|-------------------|------|--------------------|------|-----------------------|---------|------------|--------|----------------------|--------|
| <u>Previous</u>                                                                                                                                                                                               | <u>Current</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Task ID 1469226220                                                                                                                                                                                            | 1470369981                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Data 07/22/2016                                                                                                                                                                                               | 08/04/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Time 10:23                                                                                                                                                                                                    | 13:19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Product Crude                                                                                                                                                                                                 | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Flowrate 13 bbl/hr                                                                                                                                                                                            | 12 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Totalizer                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Throughput                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Base Density 41.8°API                                                                                                                                                                                         | 41.3 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Avg Pvr Temp 81.7                                                                                                                                                                                             | 95.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Avg Pvr Press 65.0                                                                                                                                                                                            | 65.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Repeatability 0.017 %                                                                                                                                                                                         | 0.040 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                      |        |
| CMF 0.9930                                                                                                                                                                                                    | 1.0010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                      |        |
| CMF Variance -0.0040                                                                                                                                                                                          | 0.0080                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                      |        |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 62.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                    |      |                       |         |            |        |                      |        |

| Run     | TEMPERATURE<br>Tp Tm | PRESSURE<br>Pp Pm | PULSES<br>N | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|----------------------|-------------------|-------------|----------------|---------|--------------------|
| 1       | 92.6 92.6            | 65.0 68.0         | 11888.244   | 1 No           | 1.00012 | 12.483             |
| 2       | 94.8 94.8            | 65.0 68.0         | 11884.707   | 2 Yes          | 1.00045 | 12.476             |
| 3       | 95.1 95.1            | 65.0 68.0         | 11883.034   | 3 Yes          | 1.00060 | 12.511             |
| 4       | 95.7 95.7            | 65.0 68.0         | 11884.365   | 4 Yes          | 1.00049 | 12.508             |
| 5       | 96.0 96.0            | 65.0 68.0         | 11880.325   | 5 Yes          | 1.00085 | 12.468             |
| 6       | 96.4 96.4            | 65.0 68.0         | 11880.671   | 6 Yes          | 1.00082 | 12.512             |
| Average | 95.6 95.6            | 65.0 68.0         | 11882.6204  |                | 1.00064 | 12.495             |

(1) GSVp: BPV \* [CTSp \* CPSP \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00066 | 1.00005 | 0.98176 | 1.00041 | 0.98286 | 1.16783 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11882.6204 | 10000.0000 | 1.18826 | 0.98176 | 1.00043 | 0.98218 | 1.16709 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0006 MF  
 (2) MF \* CPL = 1.0010 CMF  
 (3) 1 ÷ MF = 0.9994 MA  
 (4) NKF ÷ MF = 9994.0 KF  
 (5) KF ÷ CPL = 9990.0 CKF

Repeatability: 0.040 %  
 Uncertainty: 0.030 %

|                                                                                                                                          |                   |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:

Witness:

PROVE

NE CHACE  
- 13-23N-7W

| Run            | TEMPERATURE |             | PRESSURE    |              | PULSES            | Run Accepted ? |     | IMF            | Flowrate<br>bb/hrs |
|----------------|-------------|-------------|-------------|--------------|-------------------|----------------|-----|----------------|--------------------|
|                | Tp          | Tm          | Pp          | Pm           | N                 |                |     |                |                    |
| 1              | 88.7        | 88.7        | 97.0        | 102.0        | 11885.229         | 1              | Yes | 1.00031        | 10.419             |
| 2              | 88.9        | 88.9        | 97.0        | 102.0        | 11889.302         | 2              | Yes | 0.99997        | 10.413             |
| 3              | 89.0        | 89.0        | 97.0        | 102.0        | 11887.675         | 3              | Yes | 1.00011        | 10.355             |
| 4              | 89.0        | 89.0        | 97.0        | 102.0        | 11886.399         | 4              | Yes | 1.00021        | 10.352             |
| 5              | 89.0        | 89.0        | 97.0        | 102.0        | 11887.382         | 5              | Yes | 1.00013        | 10.352             |
| <b>Average</b> | <b>88.9</b> | <b>88.9</b> | <b>97.0</b> | <b>102.0</b> | <b>11887.1974</b> |                |     | <b>1.00015</b> | <b>10.378</b>      |

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Witness:

08/17/2016 10:42 Page: 1  
Revision: 2



Customer: WPX -

Operator:

Location:

Federal ID:

130-230-70

| Meter Data                                                                                                                                                                                                                                                                       | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                              |                  |                           |              |                             |              |                              |                |                   |               |                            |                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|---------------------------|-------------------|------------------------|-------------------|------------------|-------------|----------------------|--------------|---------------------------|------------------|------------------|--|-------------------|--|------------------------------|------------------|---------------------------|--------------|-----------------------------|--------------|------------------------------|----------------|-------------------|---------------|----------------------------|----------------|
| <b>67412980 WPX 184H</b><br><b>Factor Tracked Composite MF(CMF)</b><br><b>Temp Compensated No</b><br><b>NKF 10000.0000 N/bbl</b><br><b>Manufacturer Micro Motion</b><br><b>Size 1.00 in</b><br><b>Serial No. 14518624</b><br><b>Model No.</b>                                    | <b>Name Crude</b><br><b>Batch No.</b><br><b>Obs. Gravity 44.2 °API</b><br><b>Obs. Temp 90.0 °F</b><br><b>Obs. Press 0.0 psi</b><br><b>API Table Table A - Crude Oil (2004)</b><br><b>Base Density 41.6 °API</b> <b>HYC Y</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <table border="1"> <thead> <tr> <th>Previous</th> <th>Current</th> </tr> </thead> <tbody> <tr> <td><b>Task ID 1471467575</b></td> <td><b>1473976326</b></td> </tr> <tr> <td><b>Date 08/17/2016</b></td> <td><b>09/15/2016</b></td> </tr> <tr> <td><b>Time 8:59</b></td> <td><b>9:52</b></td> </tr> <tr> <td><b>Product Crude</b></td> <td><b>Crude</b></td> </tr> <tr> <td><b>Flowrate 19 bbl/hr</b></td> <td><b>18 bbl/hr</b></td> </tr> <tr> <td><b>Totalizer</b></td> <td></td> </tr> <tr> <td><b>Throughput</b></td> <td></td> </tr> <tr> <td><b>Base Density 39.6°API</b></td> <td><b>41.6 °API</b></td> </tr> <tr> <td><b>Avg Prvr Temp 98.1</b></td> <td><b>101.9</b></td> </tr> <tr> <td><b>Avg Prvr Press 182.0</b></td> <td><b>196.0</b></td> </tr> <tr> <td><b>Repeatability 0.029 %</b></td> <td><b>0.030 %</b></td> </tr> <tr> <td><b>CMF 1.0010</b></td> <td><b>1.0007</b></td> </tr> <tr> <td><b>CMF Variance 0.0004</b></td> <td><b>-0.0003</b></td> </tr> </tbody> </table> | Previous | Current | <b>Task ID 1471467575</b> | <b>1473976326</b> | <b>Date 08/17/2016</b> | <b>09/15/2016</b> | <b>Time 8:59</b> | <b>9:52</b> | <b>Product Crude</b> | <b>Crude</b> | <b>Flowrate 19 bbl/hr</b> | <b>18 bbl/hr</b> | <b>Totalizer</b> |  | <b>Throughput</b> |  | <b>Base Density 39.6°API</b> | <b>41.6 °API</b> | <b>Avg Prvr Temp 98.1</b> | <b>101.9</b> | <b>Avg Prvr Press 182.0</b> | <b>196.0</b> | <b>Repeatability 0.029 %</b> | <b>0.030 %</b> | <b>CMF 1.0010</b> | <b>1.0007</b> | <b>CMF Variance 0.0004</b> | <b>-0.0003</b> |
| Previous                                                                                                                                                                                                                                                                         | Current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                              |                  |                           |              |                             |              |                              |                |                   |               |                            |                |
| <b>Task ID 1471467575</b>                                                                                                                                                                                                                                                        | <b>1473976326</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                              |                  |                           |              |                             |              |                              |                |                   |               |                            |                |
| <b>Date 08/17/2016</b>                                                                                                                                                                                                                                                           | <b>09/15/2016</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                              |                  |                           |              |                             |              |                              |                |                   |               |                            |                |
| <b>Time 8:59</b>                                                                                                                                                                                                                                                                 | <b>9:52</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                              |                  |                           |              |                             |              |                              |                |                   |               |                            |                |
| <b>Product Crude</b>                                                                                                                                                                                                                                                             | <b>Crude</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                              |                  |                           |              |                             |              |                              |                |                   |               |                            |                |
| <b>Flowrate 19 bbl/hr</b>                                                                                                                                                                                                                                                        | <b>18 bbl/hr</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                              |                  |                           |              |                             |              |                              |                |                   |               |                            |                |
| <b>Totalizer</b>                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                              |                  |                           |              |                             |              |                              |                |                   |               |                            |                |
| <b>Throughput</b>                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                              |                  |                           |              |                             |              |                              |                |                   |               |                            |                |
| <b>Base Density 39.6°API</b>                                                                                                                                                                                                                                                     | <b>41.6 °API</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                              |                  |                           |              |                             |              |                              |                |                   |               |                            |                |
| <b>Avg Prvr Temp 98.1</b>                                                                                                                                                                                                                                                        | <b>101.9</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                              |                  |                           |              |                             |              |                              |                |                   |               |                            |                |
| <b>Avg Prvr Press 182.0</b>                                                                                                                                                                                                                                                      | <b>196.0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                              |                  |                           |              |                             |              |                              |                |                   |               |                            |                |
| <b>Repeatability 0.029 %</b>                                                                                                                                                                                                                                                     | <b>0.030 %</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                              |                  |                           |              |                             |              |                              |                |                   |               |                            |                |
| <b>CMF 1.0010</b>                                                                                                                                                                                                                                                                | <b>1.0007</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                              |                  |                           |              |                             |              |                              |                |                   |               |                            |                |
| <b>CMF Variance 0.0004</b>                                                                                                                                                                                                                                                       | <b>-0.0003</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                              |                  |                           |              |                             |              |                              |                |                   |               |                            |                |
| <b>Prover Data</b><br><b>BPV 1.18820 bbl</b><br><b>I.D. 7.981 in</b><br><b>W.T. 0.322 in</b><br><b>Manufacturer DOMINION</b><br><b>Type Displacement-Sphere</b><br><b>Serial No. 23MM</b><br><b>Elasticity 3.0E7 1/psi</b><br><b>Pipe Gc 1.86E-5 1°F</b><br><br><b>Certified</b> | <b>Tolerances</b><br><b>Tolerance Type: Repeatability</b><br><b>Maximum Deviation: 0.050 %</b><br><b>Enabled? Y Passed? Y Min # of Runs: 5</b><br><b>Criteria: 5 out of 5 consecutive runs</b><br><br><b>Avg X Prev Meter Factor Deviation:</b><br><b>Enabled? N Passed? Y Prod Dep? N</b><br><b>Prev X Factor Count Sought: 1</b><br><b>Prev X Factor Count Used: 0</b><br><b>Cut Off History? N Cutoff Date:</b><br><br><b>Prev Meter Factor Deviation:</b><br><b>Enabled? N Passed? Y Prod Dep? N</b><br><br><b>Proving Mode: Volumetric</b><br><b>Density Mode: Manual</b><br><b>Calc. Method: Avg. Meter Factor</b><br><b>Proving Method: Manual</b><br><b>Passes Per Run 1</b> | <b>Liquid Properties at Metering Conditions for CMF</b><br><b>Normal Op. Pressure 153.0 psig</b><br><b>Eq. Vapor Pressure 0.0 psig</b><br><b>CPL 1.0010</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                              |                  |                           |              |                             |              |                              |                |                   |               |                            |                |

| Run     | TEMPERATURE<br>Tp Tm | PRESSURE<br>Pp Pm | PULSES<br>N | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|----------------------|-------------------|-------------|----------------|---------|--------------------|
| 1       | 100.3 100.3          | 196.0 197.0       | 11896.000   | 1 Yes          | 0.99973 | 18.000             |
| 2       | 99.5 99.5            | 196.0 197.0       | 11897.000   | 2 Yes          | 0.99962 | 18.000             |
| 3       | 102.2 102.2          | 196.0 197.0       | 11894.000   | 3 Yes          | 0.99992 | 18.000             |
| 4       | 103.4 103.4          | 196.0 197.0       | 11898.000   | 4 Yes          | 0.99962 | 18.000             |
| 5       | 103.9 103.9          | 196.0 197.0       | 11898.000   | 5 Yes          | 0.99962 | 18.000             |
| Average | 101.9 101.9          | 196.0 197.0       | 11896.6000  |                | 0.99970 | 18.000             |

(1) GSVp: BPV \* [CTSp \* CPSP \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00078 | 1.00016 | 0.97843 | 1.00127 | 0.98059 | 1.16514 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11896.6000 | 10000.0000 | 1.18966 | 0.97843 | 1.00128 | 0.97968 | 1.16549 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 0.9997 MF  
 (2) MF \* CPL = 1.0007 CMF  
 (3) 1 ÷ MF = 1.0003 MA  
 (4) NKF ÷ MF = 10003 KF  
 (5) KF ÷ CPL = 9993.0 CKF

Repeatability: 0.030 %  
 Uncertainty: 0.016 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

PROVE

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 PROVEIT PROVEIT 8.7.0.0

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 Revision: 1

DECLASSIFIED 30-039.31224

Customer: WPX -

Operator:

Location:

Federal ID:

ABC 11210  
1223076

| Meter Data                                                                                                                                                                                                     | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Proving Data                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67413247 WPX 171H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No.<br>Model No. CMF100M                    | <b>Name Crude</b><br>Batch No.<br>Obs. Gravity 43.1 °API<br>Obs. Temp 85.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.9 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                              | <b>Previous Current</b><br>Task ID 1468963993 1472241166<br>Date 07/19/2016 08/26/2016<br>Time 9:33 7:52<br>Product Crude Crude<br>Flowrate 42 bbl/hr 8 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 40.7°API 40.9 °API<br>Avg Prvr Temp 97.5 80.9<br>Avg Prvr Press 97.0 74.0<br>Repeatability 0.010 % 0.043 %<br>CMF 0.9971 1.0008<br>CMF Variance 0.0066 0.0037 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/°F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 70.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0004                                                                                                                                                                                                                                   |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 79.0        | 79.0 | 74.0     | 74.0 | 11879.233  | 1              | Yes | 1.00064 | 8.335    |
| 2       | 81.2        | 81.2 | 74.0     | 74.0 | 11884.012  | 2              | Yes | 1.00027 | 8.316    |
| 3       | 81.4        | 81.4 | 74.0     | 74.0 | 11881.345  | 3              | Yes | 1.00052 | 8.317    |
| 4       | 81.4        | 81.4 | 74.0     | 74.0 | 11884.935  | 4              | Yes | 1.00021 | 8.294    |
| 5       | 81.7        | 81.7 | 74.0     | 74.0 | 11883.564  | 5              | Yes | 1.00032 | 8.156    |
| Average | 80.9        | 80.9 | 74.0     | 74.0 | 11882.6178 |                |     | 1.00039 | 8.284    |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$ 

| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
|---------|---------|---------|---------|---------|---------|---------|
| 1.18820 | 1.00039 | 1.00006 | 0.98936 | 1.00044 | 0.99024 | 1.17660 |

(2) ISVm:  $[N(avg) \div NKF = IVm] * [CTLm * CPLm = CCFm]$ 

| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
|------------|------------|---------|---------|---------|---------|---------|
| 11882.6178 | 10000.0000 | 1.18826 | 0.98936 | 1.00044 | 0.98980 | 1.17614 |

(3) Proving Factors:

|                |     |               |        |     |                      |
|----------------|-----|---------------|--------|-----|----------------------|
| >>>>           | (1) | GSVp + ISVm = | 1.0004 | MF  | Trans. Serial No.    |
|                | (2) | MF * CPL =    | 1.0008 | CMF | Flow Calib Factor    |
|                | (3) | 1 + MF =      | 0.9996 | MA  | Density Calib Factor |
|                | (4) | NKF + MF =    | 9996.0 | KF  | Frequency Set Point  |
|                | (5) | KF + CPL =    | 9992.0 | CKF | Flowrate Set Point   |
| Repeatability: |     | 0.043 %       |        |     | Zero Verified        |
| Uncertainty:   |     | 0.023 %       |        |     | As Found             |
|                |     |               |        |     | Zeroed               |
|                |     |               |        |     | As Left              |

Technician:

Witness:

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 Revision: 2

Customer: WPX -

Operator:

Location:

Federal ID:

12256  
305039-151217  
25646

| Meter Data                       | Product Data                          | Proving Data                                            |
|----------------------------------|---------------------------------------|---------------------------------------------------------|
| 67413247 WPX 171H                | Name Crude                            | <u>Previous</u> <u>Current</u>                          |
| Factor Tracked Composite MF(CMF) | Batch No.                             | Task ID 1473983269 1476519361                           |
| Temp Compensated No              | Obs. Gravity 42.6 °API                | Date 09/15/2016 10/14/2016                              |
| NKF 10000.0000 N/bbl             | Obs. Temp 84.0 °F                     | Time 11:47 20:16                                        |
| Manufacturer Micro Motion        | Obs. Press 0.0 psi                    | Product Crude Crude                                     |
| Size 1.00 in                     | API Table Table A - Crude Oil (2004)  | Flowrate 12 bbl/hr 41 bbl/hr                            |
| Serial No.                       | Base Density 40.5 °API HYC Y          | Totalizer                                               |
| Model No. CMF100M                |                                       | Throughput                                              |
|                                  | <b>Tolerances</b>                     | Base Density 40.6 °API 40.5 °API                        |
|                                  | Tolerance Type: Repeatability         |                                                         |
|                                  | Maximum Deviation: 0.050 %            | Avg Prvr Temp 89.6 83.6                                 |
|                                  | Enabled? Y Passed? Y Min # of Runs: 5 | Avg Prvr Press 68.0 52.0                                |
|                                  | Criteria: 5 out of 5 consecutive runs | Repeatability 0.025 % 0.042 %                           |
|                                  | Avg X Prev Meter Factor Deviation:    | CMF 1.0016 1.0003                                       |
|                                  | Enabled? N Passed? Y Prod Dep? N      | CMF Variance -0.0001 -0.0013                            |
|                                  | Prev X Factor Count Sought: 1         |                                                         |
|                                  | Prev X Factor Count Used: 0           |                                                         |
|                                  | Cut Off History? N Cutoff Date:       |                                                         |
|                                  | Prev Meter Factor Deviation:          |                                                         |
|                                  | Enabled? N Passed? Y Prod Dep? N      |                                                         |
|                                  | Proving Mode: Volumetric              |                                                         |
|                                  | Density Mode: Manual                  |                                                         |
|                                  | Calc. Method: Avg. Meter Factor       |                                                         |
|                                  | Proving Method: Manual                |                                                         |
|                                  | Passes Per Run 1                      |                                                         |
|                                  |                                       | <b>Liquid Properties at Metering Conditions for CMF</b> |
|                                  |                                       | Normal Op. Pressure 39.0 psig                           |
|                                  |                                       | Eq. Vapor Pressure 0.0 psig                             |
|                                  |                                       | CPL 1.0002                                              |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 82.5        | 82.5 | 52.0     | 56.0 | 11883.000  | 1              | Yes | 1.00035 | 41.000   |
| 2       | 82.6        | 82.6 | 52.0     | 56.0 | 11888.000  | 2              | Yes | 0.99993 | 41.000   |
| 3       | 83.9        | 83.9 | 52.0     | 56.0 | 11885.000  | 3              | Yes | 1.00020 | 41.000   |
| 4       | 84.3        | 84.3 | 52.0     | 56.0 | 11887.000  | 4              | Yes | 1.00004 | 41.000   |
| 5       | 84.5        | 84.5 | 52.0     | 56.0 | 11886.000  | 5              | Yes | 1.00014 | 41.000   |
| Average | 83.6        | 83.6 | 52.0     | 56.0 | 11885.8000 |                |     | 1.00013 | 41.000   |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00044 | 1.00004 | 0.98804 | 1.00031 | 0.98882 | 1.17492 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11885.8000 | 10000.0000 | 1.18858 | 0.98804 | 1.00033 | 0.98837 | 1.17476 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0001 MF  
 (2) MF \* CPL = 1.0003 CMF  
 (3) 1 ÷ MF = 0.9999 MA  
 (4) NKF ÷ MF = 9999.0 KF  
 (5) KF ÷ CPL = 9997.0 CKF

Repeatability: 0.042 %  
 Uncertainty: 0.022 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

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Customer: WPX -

Operator:

Location:

Federal ID:

12234-76

| Meter Data                                                                                                                                                                                                    | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Proving Data                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67413247 WPX 171H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No.<br>Model No. CMF100M                   | <b>Name Crude</b><br>Batch No.<br>Obs. Gravity 43.4 °API<br>Obs. Temp 92.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.6 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                              | <b>Previous Current</b><br>Task ID 1473983123 1473983269<br>Date 09/16/2016 09/16/2016<br>Time 11:45 11:47<br>Product Crude Crude<br>Flowrate 41 bbl/hr 12 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 40.6 °API 40.6 °API<br>Avg Pvr Temp 89.8 89.6<br>Avg Pvr Press 102.0 68.0<br>Repeatability 0.033 % 0.025 %<br>CMF 1.0017 1.0016<br>CMF Variance 0.0007 -0.0001 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 60.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0004                                                                                                                                                                                                                                       |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bb/hr    |
| 1       | 91.0        | 91.0 | 68.0     | 74.0 | 11874.000  | 1              | Yes | 1.00128 | 12.000   |
| 2       | 91.1        | 91.1 | 68.0     | 74.0 | 11877.000  | 2              | Yes | 1.00103 | 12.000   |
| 3       | 87.0        | 87.0 | 68.0     | 74.0 | 11874.000  | 3              | Yes | 1.00120 | 12.000   |
| 4       | 89.0        | 89.0 | 68.0     | 74.0 | 11874.000  | 4              | Yes | 1.00125 | 12.000   |
| 5       | 90.1        | 90.1 | 68.0     | 74.0 | 11874.000  | 5              | Yes | 1.00125 | 12.000   |
| Average | 89.6        | 89.6 | 68.0     | 74.0 | 11874.6000 |                |     | 1.00120 | 12.000   |

(1) GSVp: BPV \* [CTSp \* CPSP \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00055 | 1.00006 | 0.98497 | 1.00041 | 0.98597 | 1.17153 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11874.6000 | 10000.0000 | 1.18746 | 0.98497 | 1.00045 | 0.98541 | 1.17013 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0012 MF  
 (2) MF \* CPL = 1.0016 CMF  
 (3) 1 ÷ MF = 0.9988 MA  
 (4) NKF ÷ MF = 9988.0 KF  
 (5) KF ÷ CPL = 9984.0 CKF

Repeatability: 0.025 %  
 Uncertainty: 0.013 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

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 Revision: 1

Customer: WPX -

Operator:

Location:

Federal ID: SHL SEC.35 T24N R7W NMPM

30-035 31312  
MC-6 com #160H; 35 --- 42 R7W

| Meter Data                       |  | Product Data                          |  | Proving Data                                     |                       |
|----------------------------------|--|---------------------------------------|--|--------------------------------------------------|-----------------------|
| 67440546 WPX 160H                |  | Name Crude                            |  | <u>Previous</u> <u>Current</u>                   |                       |
| Factor Tracked Composite MF(CMF) |  | Batch No.                             |  | Task ID                                          | 1469067215 1472166026 |
| Temp Compensated No              |  | Obs. Gravity 41.3 °API                |  | Date                                             | 07/20/2016 08/25/2016 |
| NKF 10000.0000 N/bbl             |  | Obs. Temp 76.7 °F                     |  | Time                                             | 14:13 11:00           |
| Manufacturer Micro Motion        |  | Obs. Press 0.0 psi                    |  | Product                                          | Crude Crude           |
| Size 2.00 in                     |  | API Table Table A - Crude Oil (2004)  |  | Flowrate                                         | 41 bbl/hr 13 bbl/hr   |
| Serial No. 14504524              |  | Base Density 39.9 °API HYC Y          |  | Totalizer                                        |                       |
| Model No.                        |  |                                       |  | Throughput                                       |                       |
| Prover Data                      |  | Tolerances                            |  | Base Density 39.7 °API 39.9 °API                 |                       |
| BPV 1.18820 bbl                  |  | Tolerance Type: Repeatability         |  | Avg Pvr Temp 91.0 77.8                           |                       |
| I.D. 7.981 in                    |  | Maximum Deviation: 0.050 %            |  | Avg Pvr Press 33.0 44.0                          |                       |
| W.T. 0.322 in                    |  | Enabled? Y Passed? Y Min # of Runs: 5 |  | Repeatability 0.017 % 0.008 %                    |                       |
| Manufacturer DOMINION            |  | Criteria: 5 out of 5 consecutive runs |  | CMF 1.0012 1.0022                                |                       |
| Type Displacement-Sphere         |  | Avg X Prev Meter Factor Deviation:    |  | CMF Variance -0.0003 0.0010                      |                       |
| Serial No. 23MM                  |  | Enabled? N Passed? Y Prod Dep? N      |  |                                                  |                       |
| Elasticity 3.0E7 1/psi           |  | Prev X Factor Count Sought: 1         |  |                                                  |                       |
| Pipe Gc 1.86E-5 1/°F             |  | Prev X Factor Count Used: 0           |  |                                                  |                       |
| Certified                        |  | Cut Off History? N Cutoff Date:       |  |                                                  |                       |
|                                  |  | Prev Meter Factor Deviation:          |  |                                                  |                       |
|                                  |  | Enabled? N Passed? Y Prod Dep? N      |  |                                                  |                       |
|                                  |  | Proving Mode: Volumetric              |  |                                                  |                       |
|                                  |  | Density Mode: Manual                  |  |                                                  |                       |
|                                  |  | Calc. Method: Avg. Meter Factor       |  |                                                  |                       |
|                                  |  | Proving Method: PIU                   |  |                                                  |                       |
|                                  |  | Passes Per Run 1                      |  |                                                  |                       |
|                                  |  |                                       |  | Liquid Properties at Metering Conditions for CMF |                       |
|                                  |  |                                       |  | Normal Op. Pressure 44.0 psig                    |                       |
|                                  |  |                                       |  | Eq. Vapor Pressure 0.0 psig                      |                       |
|                                  |  |                                       |  | CPL 1.0003                                       |                       |

| Run     | TEMPERATURE<br>Tp Tm | PRESSURE<br>Pp Pm | PULSES<br>N | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|----------------------|-------------------|-------------|----------------|---------|--------------------|
| 1       | 79.5 79.5            | 44.0 44.0         | 11863.977   | 1 Yes          | 1.00191 | 12.490             |
| 2       | 77.8 77.8            | 44.0 44.0         | 11864.207   | 2 Yes          | 1.00186 | 12.523             |
| 3       | 77.2 77.2            | 44.0 44.0         | 11864.411   | 3 Yes          | 1.00184 | 12.498             |
| 4       | 77.1 77.1            | 44.0 44.0         | 11864.513   | 4 Yes          | 1.00183 | 12.546             |
| 5       | 77.2 77.2            | 44.0 44.0         | 11864.313   | 5 Yes          | 1.00184 | 12.582             |
| Average | 77.8 77.8            | 44.0 44.0         | 11864.2842  |                | 1.00186 | 12.528             |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00033 | 1.00004 | 0.99105 | 1.00025 | 0.99166 | 1.17829 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11864.2842 | 10000.0000 | 1.18643 | 0.99105 | 1.00025 | 0.99130 | 1.17611 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0019 MF  
 (2) MF \* CPL = 1.0022 CMF  
 (3) 1 ÷ MF = 0.9981 MA  
 (4) NKF ÷ MF = 9981.0 KF  
 (5) KF ÷ CPL = 9978.0 CKF

Repeatability: 0.008 %  
 Uncertainty: 0.004 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

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 Revision: 2

Federal ID:

NECHA CO

12-23N-7W

| Meter Data                       |  | Product Data                          |  | Proving Data                                     |                       |
|----------------------------------|--|---------------------------------------|--|--------------------------------------------------|-----------------------|
| 67413185 WPX 168H                |  | Name Crude                            |  | <u>Previous</u> <u>Current</u>                   |                       |
| Factor Tracked Composite MF(CMF) |  | Batch No.                             |  | Task ID                                          | 1468962940 1472173337 |
| Temp Compensated No              |  | Obs. Gravity 38.5 °API                |  | Date                                             | 07/19/2016 08/26/2016 |
| NKF 10000.0000 N/bbl             |  | Obs. Temp 78.1 °F                     |  | Time                                             | 9:15 13:02            |
| Manufacturer Micro Motion        |  | Obs. Press 0.0 psi                    |  | Product                                          | Crude Crude           |
| Size 1.00 in                     |  | API Table Table A - Crude Oil (2004)  |  | Flowrate                                         | 42 bbl/hr 8 bbl/hr    |
| Serial No.                       |  | Base Density 37.0 °API HYC Y          |  | Totalizer                                        |                       |
| Model No.                        |  |                                       |  | Throughput                                       |                       |
| Prover Data                      |  | Tolerances                            |  | Base Density 39.1°API 37.0 °API                  |                       |
| BPV 1.18820 bbl                  |  | Tolerance Type: Repeatability         |  | Avg Prvr Temp                                    | 97.8 82.9             |
| I.D. 7.981 in                    |  | Maximum Deviation: 0.050 %            |  | Avg Prvr Press                                   | 89.0 61.0             |
| W.T. 0.322 in                    |  | Enabled? Y Passed? Y Min # of Runs: 5 |  | Repeatability                                    | 0.005 % 0.039 %       |
| Manufacturer DOMINION            |  | Criteria: 5 out of 5 consecutive runs |  | CMF                                              | 0.9961 1.0019         |
| Type Displacement-Sphere         |  | Avg X Prev Meter Factor Deviation:    |  | CMF Variance                                     | 0.0045 0.0058         |
| Serial No. 23MM                  |  | Enabled? N Passed? Y Prod Dep? N      |  |                                                  |                       |
| Elasticity 3.0E7 1/psi           |  | Prev X Factor Count Sought: 1         |  |                                                  |                       |
| Pipe Gc 1.86E-6 1°F              |  | Prev X Factor Count Used: 0           |  |                                                  |                       |
| Certified                        |  | Cut Off History? N Cutoff Date:       |  |                                                  |                       |
|                                  |  | Prev Meter Factor Deviation:          |  |                                                  |                       |
|                                  |  | Enabled? N Passed? Y Prod Dep? N      |  |                                                  |                       |
|                                  |  | Proving Mode: Volumetric              |  | Liquid Properties at Metering Conditions for CMF |                       |
|                                  |  | Density Mode: Manual                  |  | Normal Op. Pressure 44.0 psig                    |                       |
|                                  |  | Calc. Method: Avg. Meter Factor       |  | Eq. Vapor Pressure psig                          |                       |
|                                  |  | Proving Method: Manual                |  | CPL 1.0002                                       |                       |
|                                  |  | Passes Per Run 1                      |  |                                                  |                       |

| Run            | TEMPERATURE |             | PRESSURE    |             | PULSES            | Run Accepted ? |     | IMF            | Flowrate<br>bb/whr |
|----------------|-------------|-------------|-------------|-------------|-------------------|----------------|-----|----------------|--------------------|
|                | Tp          | Tm          | Pp          | Pm          | N                 |                |     |                |                    |
| 1              | 82.6        | 82.6        | 61.0        | 52.0        | 11867.163         | 1              | Yes | 1.00176        | 8.352              |
| 2              | 83.0        | 83.0        | 61.0        | 52.0        | 11865.560         | 2              | Yes | 1.00191        | 8.324              |
| 3              | 83.0        | 83.0        | 61.0        | 52.0        | 11870.202         | 3              | Yes | 1.00152        | 8.336              |
| 4              | 82.9        | 82.9        | 61.0        | 52.0        | 11868.550         | 4              | Yes | 1.00166        | 8.390              |
| 5              | 82.9        | 82.9        | 61.0        | 52.0        | 11867.822         | 5              | Yes | 1.00173        | 8.350              |
| <b>Average</b> | <b>82.9</b> | <b>82.9</b> | <b>61.0</b> | <b>52.0</b> | <b>11867.8594</b> |                |     | <b>1.00172</b> | <b>8.350</b>       |

(1) GSV<sub>p</sub>: BPV \* [CTS<sub>p</sub> \* CPS<sub>p</sub> \* CTL<sub>p</sub> \* CPL<sub>p</sub> = CCF<sub>p</sub>]

|            |             |             |             |             |             |             |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>BPV</i> | <i>CTSp</i> | <i>CPSp</i> | <i>CTLp</i> | <i>CPLp</i> | <i>CCFp</i> | <i>GSVp</i> |
| 1.18820    | 1.00043     | 1.00005     | 0.98886     | 1.00034     | 0.98967     | 1.17593     |

(2) ISVm:  $[N(\text{avg}) \div \text{NKF} = \text{IVm}] * [\text{CTLm} * \text{CPLm} = \text{CCFm}]$

| <i>N</i> (avg) | <i>NKF</i> | <i>IVm</i> | <i>CTLm</i> | <i>CPLm</i> | <i>CCFm</i> | <i>ISVm</i> |
|----------------|------------|------------|-------------|-------------|-------------|-------------|
| 11867.8594     | 10000.0000 | 1.18679    | 0.98886     | 1.00029     | 0.98915     | 1.17391     |

**(3) Proving Factors:**

```

>>>> (1)   GSVp ÷ ISVm =      1.0017   MF
        (2)   MF * CPL =      1.0019   CMF
        (3)   1 ÷ MF =      0.9983   MA
        (4)   NKF ÷ MF =      9983.0   KF
        (5)   KF ÷ CPL =     9981.0   CKF

```

Repeatability: 0.039 %  
Uncertainty: 0.021 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

**Witness:**

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Revision: 1

Customer: WPX -

Operator:

Location:

Federal ID:

1223276

| Meter Data                                                                                                                                                                                                                                                                        | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                               |                  |                           |             |                            |             |                              |                |                   |               |                            |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|---------------------------|-------------------|------------------------|-------------------|------------------|-------------|----------------------|--------------|---------------------------|------------------|------------------|--|-------------------|--|-------------------------------|------------------|---------------------------|-------------|----------------------------|-------------|------------------------------|----------------|-------------------|---------------|----------------------------|---------------|
| <b>67413185 WPX 168H</b><br><b>Factor Tracked Composite MF(CMF)</b><br><b>Temp Compensated No</b><br><b>NKF 10000.0000 N/bbl</b><br><b>Manufacturer Micro Motion</b><br><b>Size 1.00 in</b><br><b>Serial No.</b><br><b>Model No.</b>                                              | <b>Name Crude</b><br><b>Batch No.</b><br><b>Obs. Gravity 41.2 °API</b><br><b>Obs. Temp 76.5 °F</b><br><b>Obs. Press 0.0 psi</b><br><b>API Table Table A - Crude Oil (2004)</b><br><b>Base Density 39.8 °API</b> <b>HYC Y</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: left;">Previous</th> <th style="width: 50%; text-align: left;">Current</th> </tr> </thead> <tbody> <tr> <td><b>Task ID 1474575079</b></td> <td><b>1474576370</b></td> </tr> <tr> <td><b>Date 09/22/2016</b></td> <td><b>09/22/2016</b></td> </tr> <tr> <td><b>Time 8:11</b></td> <td><b>8:32</b></td> </tr> <tr> <td><b>Product Crude</b></td> <td><b>Crude</b></td> </tr> <tr> <td><b>Flowrate 42 bbl/hr</b></td> <td><b>13 bbl/hr</b></td> </tr> <tr> <td><b>Totalizer</b></td> <td></td> </tr> <tr> <td><b>Throughput</b></td> <td></td> </tr> <tr> <td><b>Base Density 39.8 °API</b></td> <td><b>39.8 °API</b></td> </tr> <tr> <td><b>Avg Prvr Temp 75.2</b></td> <td><b>76.8</b></td> </tr> <tr> <td><b>Avg Prvr Press 92.0</b></td> <td><b>63.0</b></td> </tr> <tr> <td><b>Repeatability 0.025 %</b></td> <td><b>0.036 %</b></td> </tr> <tr> <td><b>CMF 1.0015</b></td> <td><b>1.0016</b></td> </tr> <tr> <td><b>CMF Variance 0.0000</b></td> <td><b>0.0001</b></td> </tr> </tbody> </table> | Previous | Current | <b>Task ID 1474575079</b> | <b>1474576370</b> | <b>Date 09/22/2016</b> | <b>09/22/2016</b> | <b>Time 8:11</b> | <b>8:32</b> | <b>Product Crude</b> | <b>Crude</b> | <b>Flowrate 42 bbl/hr</b> | <b>13 bbl/hr</b> | <b>Totalizer</b> |  | <b>Throughput</b> |  | <b>Base Density 39.8 °API</b> | <b>39.8 °API</b> | <b>Avg Prvr Temp 75.2</b> | <b>76.8</b> | <b>Avg Prvr Press 92.0</b> | <b>63.0</b> | <b>Repeatability 0.025 %</b> | <b>0.036 %</b> | <b>CMF 1.0015</b> | <b>1.0016</b> | <b>CMF Variance 0.0000</b> | <b>0.0001</b> |
| Previous                                                                                                                                                                                                                                                                          | Current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                               |                  |                           |             |                            |             |                              |                |                   |               |                            |               |
| <b>Task ID 1474575079</b>                                                                                                                                                                                                                                                         | <b>1474576370</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                               |                  |                           |             |                            |             |                              |                |                   |               |                            |               |
| <b>Date 09/22/2016</b>                                                                                                                                                                                                                                                            | <b>09/22/2016</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                               |                  |                           |             |                            |             |                              |                |                   |               |                            |               |
| <b>Time 8:11</b>                                                                                                                                                                                                                                                                  | <b>8:32</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                               |                  |                           |             |                            |             |                              |                |                   |               |                            |               |
| <b>Product Crude</b>                                                                                                                                                                                                                                                              | <b>Crude</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                               |                  |                           |             |                            |             |                              |                |                   |               |                            |               |
| <b>Flowrate 42 bbl/hr</b>                                                                                                                                                                                                                                                         | <b>13 bbl/hr</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                               |                  |                           |             |                            |             |                              |                |                   |               |                            |               |
| <b>Totalizer</b>                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                               |                  |                           |             |                            |             |                              |                |                   |               |                            |               |
| <b>Throughput</b>                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                               |                  |                           |             |                            |             |                              |                |                   |               |                            |               |
| <b>Base Density 39.8 °API</b>                                                                                                                                                                                                                                                     | <b>39.8 °API</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                               |                  |                           |             |                            |             |                              |                |                   |               |                            |               |
| <b>Avg Prvr Temp 75.2</b>                                                                                                                                                                                                                                                         | <b>76.8</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                               |                  |                           |             |                            |             |                              |                |                   |               |                            |               |
| <b>Avg Prvr Press 92.0</b>                                                                                                                                                                                                                                                        | <b>63.0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                               |                  |                           |             |                            |             |                              |                |                   |               |                            |               |
| <b>Repeatability 0.025 %</b>                                                                                                                                                                                                                                                      | <b>0.036 %</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                               |                  |                           |             |                            |             |                              |                |                   |               |                            |               |
| <b>CMF 1.0015</b>                                                                                                                                                                                                                                                                 | <b>1.0016</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                               |                  |                           |             |                            |             |                              |                |                   |               |                            |               |
| <b>CMF Variance 0.0000</b>                                                                                                                                                                                                                                                        | <b>0.0001</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                               |                  |                           |             |                            |             |                              |                |                   |               |                            |               |
| <b>Prover Data</b><br><b>BPV 1.18820 bbl</b><br><b>I.D. 7.981 in</b><br><b>W.T. 0.322 in</b><br><b>Manufacturer DOMINION</b><br><b>Type Displacement-Sphere</b><br><b>Serial No. 23MM</b><br><b>Elasticity 3.0E7 1/psi</b><br><b>Pipe Gc 1.86E-5 1/PF</b><br><br><b>Certified</b> | <b>Tolerances</b><br><b>Tolerance Type: Repeatability</b><br><b>Maximum Deviation: 0.050 %</b><br><b>Enabled? Y Passed? Y Min # of Runs: 5</b><br><b>Criteria: 5 out of 5 consecutive runs</b><br><br><b>Avg X Prev Meter Factor Deviation:</b><br><b>Enabled? N Passed? Y Prod Dep? N</b><br><b>Prev X Factor Count Sought: 1</b><br><b>Prev X Factor Count Used: 0</b><br><b>Cut Off History? N Cutoff Date:</b><br><br><b>Prev Meter Factor Deviation:</b><br><b>Enabled? N Passed? Y Prod Dep? N</b><br><br><b>Proving Mode: Volumetric</b><br><b>Density Mode: Manual</b><br><b>Calc. Method: Avg. Meter Factor</b><br><b>Proving Method: PIU</b><br><b>Passes Per Run 1</b> | <b>Liquid Properties at Metering Conditions for CMF</b><br><b>Normal Op. Pressure 57.0 psig</b><br><b>Eq. Vapor Pressure 0.0 psig</b><br><b>CPL 1.0003</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |         |                           |                   |                        |                   |                  |             |                      |              |                           |                  |                  |  |                   |  |                               |                  |                           |             |                            |             |                              |                |                   |               |                            |               |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 75.7        | 75.7 | 63.0     | 63.0 | 11873.209  | 1              | Yes | 1.00108 | 12.523   |
| 2       | 76.3        | 76.3 | 63.0     | 63.0 | 11869.010  | 2              | Yes | 1.00144 | 12.525   |
| 3       | 77.1        | 77.1 | 63.0     | 63.0 | 11872.614  | 3              | Yes | 1.00115 | 12.518   |
| 4       | 77.2        | 77.2 | 63.0     | 63.0 | 11869.669  | 4              | Yes | 1.00140 | 12.501   |
| 5       | 77.5        | 77.5 | 63.0     | 63.0 | 11869.915  | 5              | Yes | 1.00139 | 12.503   |
| Average | 76.8        | 76.8 | 63.0     | 63.0 | 11870.8834 |                |     | 1.00129 | 12.514   |

(1) GSVp:  $BPV * [CTSp * CPSP * CTLp * CPLp = CCFp]$ 

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00031 | 1.00005 | 0.99156 | 1.00036 | 0.99227 | 1.17902 |

(2) ISVm:  $[N(avg) \div NKF = IVm] * [CTLm * CPLm = CCFm]$ 

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11870.8834 | 10000.0000 | 1.18709 | 0.99156 | 1.00036 | 0.99192 | 1.17750 |

(3) Proving Factors:

>>>> (1)  $GSVp \div ISVm = 1.0013$  MF

(2)  $MF * CPL = 1.0016$  CMF

(3)  $1 \div MF = 0.9987$  MA

(4)  $NKF \div MF = 9987.0$  KF

(5)  $KF \div CPL = 9984.0$  CKF

Repeatability: 0.036 %

Uncertainty: 0.019 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

PROVE

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PROVER PROVEIT 8.7.0.0

09/22/2016 19:37 Page: 1

Revision: 1



Customer: WPX -  
Operator:  
Location:  
Federal ID:

12-232-7W

|                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Meter Data</b><br><b>67413185 WPX 168H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No.<br>Model No.      | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 40.8 °API<br>Obs. Temp 72.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 39.8 °API HYC Y                                                                                                                                                                                                                                                                                                                                                              | <b>Proving Data</b><br><div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> Task ID 1476930131 1476930277<br>Date 10/19/2016 10/19/2016<br>Time 14:22 14:24<br>Product Crude Crude<br>Flowrate 41 bbl/hr 12 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 39.8 °API 39.8 °API<br>Avg Prvr Temp 71.5 71.7<br>Avg Prvr Press 60.0 54.0<br>Repeatability 0.045 % 0.042 %<br>CMF 1.0013 1.0023<br>CMF Variance -0.0003 0.0010 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 49.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0003                                                                                                                                                                                                                                                                                                                                                                 |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 70.9        | 70.9 | 54.0     | 56.0 | 11859.000  | 1              | Yes | 1.00217 | 12.000   |
| 2       | 69.8        | 69.8 | 54.0     | 56.0 | 11859.000  | 2              | Yes | 1.00215 | 12.000   |
| 3       | 70.7        | 70.7 | 54.0     | 56.0 | 11864.000  | 3              | Yes | 1.00175 | 12.000   |
| 4       | 72.4        | 72.4 | 54.0     | 56.0 | 11863.000  | 4              | Yes | 1.00186 | 12.000   |
| 5       | 74.8        | 74.8 | 54.0     | 56.0 | 11864.000  | 5              | Yes | 1.00183 | 12.000   |
| Average | 71.7        | 71.7 | 54.0     | 56.0 | 11861.8000 |                |     | 1.00195 | 12.000   |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00022 | 1.00004 | 0.99413 | 1.00030 | 0.99469 | 1.18189 |

(2) ISVm:  $[N(avg) \div NKF = IVm] * [CTLm * CPLm = CCFm]$

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11861.8000 | 10000.0000 | 1.18618 | 0.99413 | 1.00032 | 0.99445 | 1.17960 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0020 MF  
 (2) MF \* CPL = 1.0023 CMF  
 (3) 1 ÷ MF = 0.9980 MA  
 (4) NKF ÷ MF = 9980.0 KF  
 (5) KF ÷ CPL = 9977.0 CKF

Repeatability: 0.042 %  
 Uncertainty: 0.022 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

PROVE

Customer: WPX -

Operator:

Location:

Federal ID:

MECH 400  
30-34-31251

| Meter Data                       | Product Data                          | Proving Data                                            |
|----------------------------------|---------------------------------------|---------------------------------------------------------|
| 67419511 WPX 176H                | Name Crude                            | <u>Previous</u> <u>Current</u>                          |
| Factor Tracked Composite MF(CMF) | Batch No.                             | Task ID 1476519852 1476519985                           |
| Temp Compensated No              | Obs. Gravity 40.8 °API                | Date 10/14/2016 10/14/2016                              |
| NKF 10000.0000 N/bbl             | Obs. Temp 60.0 °F                     | Time 20:24 20:26                                        |
| Manufacturer Micro Motion        | Obs. Press 0.0 psi                    | Product Crude Crude                                     |
| Size 1.00 in                     | API Table Table A - Crude Oil (2004)  | Flowrate 41 bbl/hr 12 bbl/hr                            |
| Serial No. 14517624              | Base Density 40.8 °API HYC Y          | Totalizer                                               |
| Model No. CMF100M                |                                       | Throughput                                              |
|                                  | <b>Tolerances</b>                     | Base Density 40.8 °API 40.8 °API                        |
|                                  | Tolerance Type: Repeatability         |                                                         |
|                                  | Maximum Deviation: 0.050 %            |                                                         |
|                                  | Enabled? Y Passed? Y Min # of Runs: 5 |                                                         |
|                                  | Criteria: 5 out of 5 consecutive runs |                                                         |
|                                  | Avg X Prev Meter Factor Deviation:    | Avg Prvr Temp 96.4 95.2                                 |
|                                  | Enabled? N Passed? Y Prod Dep? N      | Avg Prvr Press 132.0 88.0                               |
|                                  | Prev X Factor Count Sought: 1         | Repeatability 0.048 % 0.021 %                           |
|                                  | Prev X Factor Count Used: 0           | CMF 1.0010 1.0001                                       |
|                                  | Cut Off History? N Cutoff Date:       | CMF Variance 0.0011 -0.0009                             |
|                                  | Prev Meter Factor Deviation:          |                                                         |
|                                  | Enabled? N Passed? Y Prod Dep? N      |                                                         |
|                                  | Proving Mode: Volumetric              |                                                         |
|                                  | Density Mode: Manual                  |                                                         |
|                                  | Calc. Method: Avg. Meter Factor       |                                                         |
|                                  | Proving Method: Manual                |                                                         |
|                                  | Passes Per Run 1                      |                                                         |
|                                  |                                       | <b>Liquid Properties at Metering Conditions for CMF</b> |
|                                  |                                       | Normal Op. Pressure 82.0 psig                           |
|                                  |                                       | Eq. Vapor Pressure 0.0 psig                             |
|                                  |                                       | CPL 1.0005                                              |

| Run     | TEMPERATURE | PRESSURE  | PULSES     | Run Accepted ? | IMF     | Flowrate |
|---------|-------------|-----------|------------|----------------|---------|----------|
|         | Tp Tm       | Pp Pm     | N          |                |         | bb/hr    |
| 1       | 97.6 97.6   | 88.0 90.0 | 11897.000  | 1 Yes          | 0.99949 | 12.000   |
| 2       | 95.6 95.6   | 88.0 90.0 | 11895.000  | 2 Yes          | 0.99962 | 12.000   |
| 3       | 94.8 94.8   | 88.0 90.0 | 11894.000  | 3 Yes          | 0.99970 | 12.000   |
| 4       | 94.1 94.1   | 88.0 90.0 | 11894.000  | 4 Yes          | 0.99968 | 12.000   |
| 5       | 93.7 93.7   | 88.0 90.0 | 11894.000  | 5 Yes          | 0.99968 | 12.000   |
| Average | 95.2 95.2   | 88.0 90.0 | 11894.8000 |                | 0.99963 | 12.000   |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00065 | 1.00007 | 0.98207 | 1.00055 | 0.98332 | 1.16838 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11894.8000 | 10000.0000 | 1.18948 | 0.98207 | 1.00056 | 0.98262 | 1.16881 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 0.9996 MF  
 (2) MF \* CPL = 1.0001 CMF  
 (3) 1 ÷ MF = 1.0004 MA  
 (4) NKF ÷ MF = 10004 KF  
 (5) KF ÷ CPL = 9999.0 CKF

Repeatability: 0.021 %  
 Uncertainty: 0.011 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

PROVE

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID:

| <b>Meter Data</b><br><b>67419511 WPX 176H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No. 14517624<br>Model No. CMF100M | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 42.0 °API<br>Obs. Temp 108.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 38.0 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                         | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;"><u>Previous</u></th> <th style="text-align: left;"><u>Current</u></th> </tr> <tr> <td>Task ID 1473982722</td> <td>1473982851</td> </tr> <tr> <td>Date 09/15/2016</td> <td>09/16/2016</td> </tr> <tr> <td>Time 11:38</td> <td>11:40</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 41 bbl/hr</td> <td>12 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> </tr> <tr> <td>Base Density 38.0°API</td> <td>38.0 °API</td> </tr> <tr> <td>Avg Pvr Temp 106.0</td> <td>107.8</td> </tr> <tr> <td>Avg Pvr Press 118.0</td> <td>72.0</td> </tr> <tr> <td>Repeatability 0.047 %</td> <td>0.026 %</td> </tr> <tr> <td>CMF 1.0007</td> <td>0.9999</td> </tr> <tr> <td>CMF Variance -0.0001</td> <td>-0.0008</td> </tr> </table> | <u>Previous</u> | <u>Current</u> | Task ID 1473982722 | 1473982851 | Date 09/15/2016 | 09/16/2016 | Time 11:38 | 11:40 | Product Crude | Crude | Flowrate 41 bbl/hr | 12 bbl/hr | Totalizer |  | Throughput |  | Base Density 38.0°API | 38.0 °API | Avg Pvr Temp 106.0 | 107.8 | Avg Pvr Press 118.0 | 72.0 | Repeatability 0.047 % | 0.026 % | CMF 1.0007 | 0.9999 | CMF Variance -0.0001 | -0.0008 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--------------------|------------|-----------------|------------|------------|-------|---------------|-------|--------------------|-----------|-----------|--|------------|--|-----------------------|-----------|--------------------|-------|---------------------|------|-----------------------|---------|------------|--------|----------------------|---------|
| <u>Previous</u>                                                                                                                                                                                                           | <u>Current</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |       |                     |      |                       |         |            |        |                      |         |
| Task ID 1473982722                                                                                                                                                                                                        | 1473982851                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |       |                     |      |                       |         |            |        |                      |         |
| Date 09/15/2016                                                                                                                                                                                                           | 09/16/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |       |                     |      |                       |         |            |        |                      |         |
| Time 11:38                                                                                                                                                                                                                | 11:40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |       |                     |      |                       |         |            |        |                      |         |
| Product Crude                                                                                                                                                                                                             | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |       |                     |      |                       |         |            |        |                      |         |
| Flowrate 41 bbl/hr                                                                                                                                                                                                        | 12 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |       |                     |      |                       |         |            |        |                      |         |
| Totalizer                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |       |                     |      |                       |         |            |        |                      |         |
| Throughput                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |       |                     |      |                       |         |            |        |                      |         |
| Base Density 38.0°API                                                                                                                                                                                                     | 38.0 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |       |                     |      |                       |         |            |        |                      |         |
| Avg Pvr Temp 106.0                                                                                                                                                                                                        | 107.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |       |                     |      |                       |         |            |        |                      |         |
| Avg Pvr Press 118.0                                                                                                                                                                                                       | 72.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |       |                     |      |                       |         |            |        |                      |         |
| Repeatability 0.047 %                                                                                                                                                                                                     | 0.026 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |       |                     |      |                       |         |            |        |                      |         |
| CMF 1.0007                                                                                                                                                                                                                | 0.9999                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |       |                     |      |                       |         |            |        |                      |         |
| CMF Variance -0.0001                                                                                                                                                                                                      | -0.0008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |       |                     |      |                       |         |            |        |                      |         |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/°F<br><br>Certified        | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 68.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |       |                     |      |                       |         |            |        |                      |         |

| Run     | TEMPERATURE |       | PRESSURE |      | PULSES     | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|-------------|-------|----------|------|------------|----------------|---------|--------------------|
|         | Tp          | Tm    | Pp       | Pm   | N          |                |         |                    |
| 1       | 108.1       | 108.1 | 72.0     | 81.0 | 11898.000  | 1 Yes          | 0.99955 | 12.000             |
| 2       | 107.6       | 107.6 | 72.0     | 81.0 | 11900.000  | 2 Yes          | 0.99938 | 12.000             |
| 3       | 107.5       | 107.5 | 72.0     | 81.0 | 11899.000  | 3 Yes          | 0.99946 | 12.000             |
| 4       | 107.9       | 107.9 | 72.0     | 81.0 | 11898.000  | 4 Yes          | 0.99956 | 12.000             |
| 5       | 107.7       | 107.7 | 72.0     | 81.0 | 11897.000  | 5 Yes          | 0.99964 | 12.000             |
| Average | 107.8       | 107.8 | 72.0     | 81.0 | 11898.4000 |                | 0.99952 | 12.000             |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00089 | 1.00006 | 0.97640 | 1.00045 | 0.97777 | 1.16179 |

(2) ISVm: [N(avg) ÷ NKF ÷ IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11898.4000 | 10000.0000 | 1.18984 | 0.97640 | 1.00050 | 0.97689 | 1.16234 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 0.9995 MF  
 (2) MF \* CPL = 0.9999 CMF  
 (3) 1 ÷ MF = 1.0005 MA  
 (4) NKF ÷ MF = 10005 KF  
 (5) KF + CPL = 10001 CKF

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Repeatability: 0.026 %  
 Uncertainty: 0.014 %

Technician

Witness:

PROVE

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.6 T23N R6W NMPM

NECHACO

| <b>Meter Data</b><br>67421942 WPX 179H<br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No. 14517208<br>Model No.        | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 43.8 °API<br>Obs. Temp 93.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.9 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                          | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;"><u>Previous</u></th> <th style="text-align: left;"><u>Current</u></th> </tr> <tr> <td>Task ID 1473982469</td> <td>1473982697</td> </tr> <tr> <td>Date 09/15/2016</td> <td>09/15/2016</td> </tr> <tr> <td>Time 11:34</td> <td>11:36</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 41 bbl/hr</td> <td>12 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> </tr> <tr> <td>Base Density 40.9°API</td> <td>40.9 °API</td> </tr> <tr> <td>Avg Prvr Temp 92.9</td> <td>94.6</td> </tr> <tr> <td>Avg Prvr Press 132.0</td> <td>100.0</td> </tr> <tr> <td>Repeatability 0.012 %</td> <td>0.009 %</td> </tr> <tr> <td>CMF 1.0016</td> <td>1.0019</td> </tr> <tr> <td>CMF Variance 0.0001</td> <td>0.0003</td> </tr> </table> | <u>Previous</u> | <u>Current</u> | Task ID 1473982469 | 1473982697 | Date 09/15/2016 | 09/15/2016 | Time 11:34 | 11:36 | Product Crude | Crude | Flowrate 41 bbl/hr | 12 bbl/hr | Totalizer |  | Throughput |  | Base Density 40.9°API | 40.9 °API | Avg Prvr Temp 92.9 | 94.6 | Avg Prvr Press 132.0 | 100.0 | Repeatability 0.012 % | 0.009 % | CMF 1.0016 | 1.0019 | CMF Variance 0.0001 | 0.0003 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--------------------|------------|-----------------|------------|------------|-------|---------------|-------|--------------------|-----------|-----------|--|------------|--|-----------------------|-----------|--------------------|------|----------------------|-------|-----------------------|---------|------------|--------|---------------------|--------|
| <u>Previous</u>                                                                                                                                                                                                   | <u>Current</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                      |       |                       |         |            |        |                     |        |
| Task ID 1473982469                                                                                                                                                                                                | 1473982697                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                      |       |                       |         |            |        |                     |        |
| Date 09/15/2016                                                                                                                                                                                                   | 09/15/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                      |       |                       |         |            |        |                     |        |
| Time 11:34                                                                                                                                                                                                        | 11:36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                      |       |                       |         |            |        |                     |        |
| Product Crude                                                                                                                                                                                                     | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                      |       |                       |         |            |        |                     |        |
| Flowrate 41 bbl/hr                                                                                                                                                                                                | 12 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                      |       |                       |         |            |        |                     |        |
| Totalizer                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                      |       |                       |         |            |        |                     |        |
| Throughput                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                      |       |                       |         |            |        |                     |        |
| Base Density 40.9°API                                                                                                                                                                                             | 40.9 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                      |       |                       |         |            |        |                     |        |
| Avg Prvr Temp 92.9                                                                                                                                                                                                | 94.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                      |       |                       |         |            |        |                     |        |
| Avg Prvr Press 132.0                                                                                                                                                                                              | 100.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                      |       |                       |         |            |        |                     |        |
| Repeatability 0.012 %                                                                                                                                                                                             | 0.009 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                      |       |                       |         |            |        |                     |        |
| CMF 1.0016                                                                                                                                                                                                        | 1.0019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                      |       |                       |         |            |        |                     |        |
| CMF Variance 0.0001                                                                                                                                                                                               | 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                      |       |                       |         |            |        |                     |        |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 88.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                      |       |                       |         |            |        |                     |        |

| Run     | TEMPERATURE |      | PRESSURE |       | PULSES     | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|-------------|------|----------|-------|------------|----------------|---------|--------------------|
|         | Tp          | Tm   | Pp       | Pm    | N          |                |         |                    |
| 1       | 94.3        | 94.3 | 100.0    | 101.0 | 11873.000  | 1 Yes          | 1.00147 | 12.000             |
| 2       | 94.3        | 94.3 | 100.0    | 101.0 | 11873.000  | 2 Yes          | 1.00147 | 12.000             |
| 3       | 94.5        | 94.5 | 100.0    | 101.0 | 11874.000  | 3 Yes          | 1.00139 | 12.000             |
| 4       | 95.0        | 95.0 | 100.0    | 101.0 | 11873.000  | 4 Yes          | 1.00148 | 12.000             |
| 5       | 94.9        | 94.9 | 100.0    | 101.0 | 11874.000  | 5 Yes          | 1.00140 | 12.000             |
| Average | 94.6        | 94.6 | 100.0    | 101.0 | 11873.4000 |                | 1.00144 | 12.000             |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00064 | 1.00008 | 0.98235 | 1.00062 | 0.98367 | 1.16880 |

(2) ISVm:  $[N(avg) \div NKF = IVm] * [CTLm * CPLm = CCFm]$

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11873.4000 | 10000.0000 | 1.18734 | 0.98235 | 1.00063 | 0.98297 | 1.16712 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0014 MF  
 (2) MF \* CPL = 1.0019 CMF  
 (3) 1 ÷ MF = 0.9986 MA  
 (4) NKF ÷ MF = 9986.0 KF  
 (5) KF ÷ CPL = 9981.0 CKF

Repeatability: 0.009 %  
 Uncertainty: 0.005 %

|                                                                                                                                          |                   |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:

Witness:

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 Revision: 1

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.6 T23N R6W NMPM

30-039-31190

| Meter Data                                                                                                                                                                                                            | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 67421942 WPX 179H<br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No. 14517208<br>Model No.                                 | Name Crude<br>Batch No.<br>Obs. Gravity 41.0 °API<br>Obs. Temp 60.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.0 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                                 | <div style="display: flex; justify-content: space-between;"> <div>Previous</div> <div>Current</div> </div> Task ID 1473982597 1476520196<br>Date 09/15/2016 10/14/2016<br>Time 11:36 20:29<br>Product Crude Crude<br>Flowrate 12 bbl/hr 12 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 40.9 °API 41.0 °API<br><br>Avg Prvr Temp 94.6 96.0<br>Avg Prvr Press 100.0 122.0<br>Repeatability 0.009 % 0.045 %<br>CMF 1.0019 1.0017<br>CMF Variance 0.0003 -0.0002 |
| <b>Prover Data</b><br><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br><br>Normal Op. Pressure 114.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0007                                                                                                                                                                                                                                                                                                                         |

| Run     | TEMPERATURE |      | PRESSURE |       | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|-------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm    | N          |                |     |         | bb/hr    |
| 1       | 91.5        | 91.5 | 122.0    | 127.0 | 11881.000  | 1              | Yes | 1.00074 | 12.000   |
| 2       | 96.2        | 96.2 | 122.0    | 127.0 | 11877.000  | 2              | Yes | 1.00115 | 12.000   |
| 3       | 96.9        | 96.9 | 122.0    | 127.0 | 11879.000  | 3              | Yes | 1.00102 | 12.000   |
| 4       | 97.5        | 97.5 | 122.0    | 127.0 | 11877.000  | 4              | Yes | 1.00119 | 12.000   |
| 5       | 97.9        | 97.9 | 122.0    | 127.0 | 11879.000  | 5              | Yes | 1.00103 | 12.000   |
| Average | 96.0        | 96.0 | 122.0    | 127.0 | 11878.6000 |                |     | 1.00103 | 12.000   |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00067 | 1.00010 | 0.98161 | 1.00077 | 0.98312 | 1.16814 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11878.6000 | 10000.0000 | 1.18786 | 0.98161 | 1.00080 | 0.98240 | 1.16695 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0010 MF  
 (2) MF \* CPL = 1.0017 CMF  
 (3) 1 ÷ MF = 0.9990 MA  
 (4) NKF ÷ MF = 9990.0 KF  
 (5) KF ÷ CPL = 9983.0 CKF

Repeatability: 0.045 %  
 Uncertainty: 0.024 %

|                                                                                                                                              |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br><br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:

Witness:

PROVE

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.6 T23N R6W NMPM

1NF Coda-CO

| Meter Data                                                                                                                                                                                                                                                                       | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67421942 WPX 179H</b><br><b>Factor Tracked Composite MF(CMF)</b><br><b>Temp Compensated No</b><br><b>NKF 10000.0000 N/bbl</b><br><b>Manufacturer Micro Motion</b><br><b>Size 1.00 in</b><br><b>Serial No. 14517208</b><br><b>Model No.</b>                                    | <b>Name Crude</b><br><b>Batch No.</b><br><b>Obs. Gravity 44.0 °API</b><br><b>Obs. Temp 102.5 °F</b><br><b>Obs. Press 0.0 psi</b><br><b>API Table Table A - Crude Oil (2004)</b><br><b>Base Density 40.3 °API</b> <b>HYC Y</b>                                                                                                                                                                                                                                                                                                                                                                                                                                            | <div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> <b>Task ID</b> 1468879486 1471565892<br><b>Date</b> 07/18/2016 08/18/2016<br><b>Time</b> 10:04 12:18<br><b>Product</b> Crude Crude<br><b>Flowrate</b> 42 bbl/hr 8 bbl/hr<br><b>Totalizer</b><br><b>Throughput</b><br><b>Base Density</b> 39.6°API 40.3 °API<br><b>Avg Pvr Temp</b> 122.3 103.2<br><b>Avg Pvr Press</b> 190.0 110.0<br><b>Repeatability</b> 0.034 % 0.015 %<br><b>CMF</b> 0.9988 1.0021<br><b>CMF Variance</b> -0.0028 0.0033 |
| <b>Prover Data</b><br><b>BPV 1.18820 bbl</b><br><b>I.D. 7.981 in</b><br><b>W.T. 0.322 in</b><br><b>Manufacturer DOMINION</b><br><b>Type Displacement-Sphere</b><br><b>Serial No. 23MM</b><br><b>Elasticity 3.0E7 1/psi</b><br><b>Pipe Gc 1.86E-5 1°F</b><br><br><b>Certified</b> | <b>Tolerances</b><br><b>Tolerance Type: Repeatability</b><br><b>Maximum Deviation: 0.050 %</b><br><b>Enabled? Y Passed? Y Min # of Runs: 5</b><br><b>Criteria: 5 out of 5 consecutive runs</b><br><b>Avg X Prev Meter Factor Deviation:</b><br><b>Enabled? N Passed? Y Prod Dep? N</b><br><b>Prev X Factor Count Sought: 1</b><br><b>Prev X Factor Count Used: 0</b><br><b>Cut Off History? N Cutoff Date:</b><br><b>Prev Meter Factor Deviation:</b><br><b>Enabled? N Passed? Y Prod Dep? N</b><br><b>Proving Mode: Volumetric</b><br><b>Density Mode: Manual</b><br><b>Calc. Method: Avg. Meter Factor</b><br><b>Proving Method: Manual</b><br><b>Passes Per Run 1</b> | <b>Liquid Properties at Metering Conditions for CMF</b><br><b>Normal Op. Pressure 105.0 psig</b><br><b>Eq. Vapor Pressure 0.0 psig</b><br><b>CPL 1.0007</b>                                                                                                                                                                                                                                                                                                                                                                                                               |

| Run     | TEMPERATURE<br>Tp Tm | PRESSURE<br>Pp Pm | PULSES<br>N | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|----------------------|-------------------|-------------|----------------|---------|--------------------|
| 1       | 103.4 103.4          | 110.0 112.0       | 11875.725   | 1 Yes          | 1.00143 | 8.339              |
| 2       | 102.7 102.7          | 110.0 112.0       | 11874.443   | 2 Yes          | 1.00152 | 8.337              |
| 3       | 103.3 103.3          | 110.0 112.0       | 11876.100   | 3 Yes          | 1.00139 | 8.338              |
| 4       | 103.3 103.4          | 110.0 112.0       | 11876.956   | 4 Yes          | 1.00137 | 8.337              |
| 5       | 103.3 103.4          | 110.0 112.0       | 11875.850   | 5 Yes          | 1.00146 | 8.298              |
| Average | 103.2 103.2          | 110.0 112.0       | 11875.8148  |                | 1.00143 | 8.330              |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00080 | 1.00009 | 0.97809 | 1.00070 | 0.97965 | 1.16402 |

(2) ISVm:  $[N(avg) \div NKF = [Vm] * [CTLm * CPLm = CCFm]$

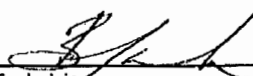
|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11875.8148 | 10000.0000 | 1.18758 | 0.97809 | 1.00071 | 0.97878 | 1.16238 |

(3) Proving Factors:

>>>> (1) GSVp + ISVm = 1.0014 MF  
 (2) MF \* CPL = 1.0021 CMF  
 (3) 1 + MF = 0.9986 MA  
 (4) NKF + MF = 9986.0 KF  
 (5) KF + CPL = 9979.0 CKF

Repeatability: 0.015 %  
 Uncertainty: 0.008 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician: 

Witness:

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 Revision: 1



Federal ID: SEC.5 T23N R6W NMPM

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| Meter Data                       | Product Data                          | Proving Data                                     |
|----------------------------------|---------------------------------------|--------------------------------------------------|
| 67424230 WPX 254H                | Name Crude                            | <u>Previous</u> <u>Current</u>                   |
| Factor Tracked Composite MF(CMF) | Batch No.                             | Task ID 1468879035 1471560970                    |
| Temp Compensated No              | Obs. Gravity 44.9 °API                | Date 07/18/2016 08/18/2016                       |
| NKF 10000.0000 N/bbl             | Obs. Temp 103.5 °F                    | Time 9:57 10:56                                  |
| Manufacturer Micro Motion        | Obs. Press 0.0 psi                    | Product Crude Crude                              |
| Size 1.00 in                     | API Table Table A - Crude Oil (2004)  | Flowrate 41 bbl/hr 19 bbl/hr                     |
| Serial No. 14518580              | Base Density 41.1 °API HYC Y          | Totalizer                                        |
| Model No.                        | Tolerances                            | Throughput                                       |
|                                  | Tolerance Type: Repeatability         | Base Density 42.0°API 41.1 °API                  |
|                                  | Maximum Deviation: 0.050 %            | Avg Prvr Temp 109.2 103.5                        |
|                                  | Enabled? Y Passed? Y Min # of Runs: 5 | Avg Prvr Press 208.0 147.0                       |
|                                  | Criteria: 5 out of 5 consecutive runs | Repeatability 0.031 % 0.020 %                    |
|                                  | Avg X Prev Meter Factor Deviation:    | CMF 0.9993 1.0001                                |
|                                  | Enabled? N Passed? Y Prod Dep? N      | CMF Variance -0.0027 0.0008                      |
|                                  | Prev X Factor Count Sought: 1         |                                                  |
|                                  | Prev X Factor Count Used: 0           | Liquid Properties at Metering Conditions for CMF |
|                                  | Cut Off History? N Cutoff Date:       | Normal Op. Pressure 142.0 psig                   |
|                                  | Prev Meter Factor Deviation:          | Eq. Vapor Pressure 0.0 psig                      |
|                                  | Enabled? N Passed? Y Prod Dep? N      | CPL 1.0009                                       |
|                                  | Proving Mode: Volumetric              |                                                  |
|                                  | Density Mode: Manual                  |                                                  |
|                                  | Calc. Method: Avg. Meter Factor       |                                                  |
|                                  | Proving Method: PIU                   |                                                  |
|                                  | Passes Per Run 1                      |                                                  |
| Prover Data                      |                                       |                                                  |
| BPV 1.18820 bbl                  |                                       |                                                  |
| I.D. 7.981 in                    |                                       |                                                  |
| W.T. 0.322 in                    |                                       |                                                  |
| Manufacturer DOMINION            |                                       |                                                  |
| Type Displacement-Sphere         |                                       |                                                  |
| Serial No. 23MM                  |                                       |                                                  |
| Elasticity 3.0E7 1/psi           |                                       |                                                  |
| Pipe Gc 1.86E-5 1/F              |                                       |                                                  |
| Certified                        |                                       |                                                  |

| Run            | TEMPERATURE  |              | PRESSURE     |              | PULSES            | Run Accepted ? | IMF            | Flowrate<br>bb/hr |
|----------------|--------------|--------------|--------------|--------------|-------------------|----------------|----------------|-------------------|
|                | Tp           | Tm           | Pp           | Pm           | N                 |                |                |                   |
| 1              | 101.3        | 101.3        | 147.0        | 157.0        | 11900.902         | 1 Yes          | 0.99923        | 18.711            |
| 2              | 103.0        | 103.0        | 147.0        | 157.0        | 11901.105         | 2 Yes          | 0.99925        | 18.733            |
| 3              | 103.9        | 103.9        | 147.0        | 157.0        | 11901.432         | 3 Yes          | 0.99924        | 18.697            |
| 4              | 104.6        | 104.6        | 147.0        | 157.0        | 11901.256         | 4 Yes          | 0.99925        | 18.724            |
| 5              | 104.8        | 104.8        | 147.0        | 157.0        | 11903.812         | 5 Yes          | 0.99905        | 18.729            |
| <b>Average</b> | <b>103.5</b> | <b>103.5</b> | <b>147.0</b> | <b>157.0</b> | <b>11901.7014</b> |                | <b>0.99920</b> | <b>18.719</b>     |

(1) GSV<sub>p</sub>: BPV \* [CTS<sub>p</sub> \* CPS<sub>p</sub> \* CTL<sub>p</sub> \* CPL<sub>p</sub> = CCF<sub>p</sub>]

|            |             |             |             |             |             |             |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>BPV</i> | <i>CTSp</i> | <i>CPSp</i> | <i>CTLp</i> | <i>CPLp</i> | <i>CCFp</i> | <i>GSVp</i> |
| 1.18820    | 1.00081     | 1.00012     | 0.97773     | 1.00095     | 0.97957     | 1.16393     |

**(2) ISVm:**  $[N(\text{avg}) \div NKF = IVm] * [CTLm * CPLm = CCFm]$

| <i>N</i> (avg) | <i>NKF</i> | <i>IVm</i> | <i>CTLm</i> | <i>CPLm</i> | <i>CCFm</i> | <i>ISVm</i> |
|----------------|------------|------------|-------------|-------------|-------------|-------------|
| 11901.7014     | 10000.0000 | 1.19017    | 0.97773     | 1.00101     | 0.97872     | 1.16484     |

**(3) Proving Factors:**

```

>>>> (1)   GSVp ÷ ISVm =    0.9992    MF
        (2)   MF * CPL =    1.0001    CMF
        (3)   1 ÷ MF =    1.0008    MA
        (4)   NKF ÷ MF =    10008    KF
        (5)   KF ÷ CPL =    9999.0    CKF

```

**Repeatability:** 0.020 %  
**Uncertainty:** 0.011 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

**Witness:**

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Revision: 2



Customer: WPX -

Operator:

Location:

Federal ID: SEC.5 T23N R6W NMPM

NO C4AUCU  
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|                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Meter Data</b><br>67424230 WPX 254H<br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No. 14518580<br>Model No.     | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 45.5 °API<br>Obs. Temp 94.8 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 42.4 °API HYC Y                                                                                                                                                                                                                                                                                                                                                           | <b>Proving Data</b><br><div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> Task ID 1476834812 1476835883<br>Date 10/18/2016 10/18/2016<br>Time 11:53 12:11<br>Product Crude Crude<br>Flowrate 42 bbl/hr 19 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 42.4 °API 42.4 °API<br>Avg Pvr Temp 91.9 91.2<br>Avg Pvr Press 180.0 148.0<br>Repeatability 0.042 % 0.050 %<br>CMF 1.0002 0.9999<br>CMF Variance -0.0002 -0.0003 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/PF<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.051 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 140.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0009                                                                                                                                                                                                                                                                                                                                                                 |

| Run     | TEMPERATURE |      | PRESSURE |       | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|-------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm    | N          |                |     |         | bb/hr    |
| 1       | 91.9        | 91.9 | 148.0    | 152.0 | 11903.105  | 1              | Yes | 0.99892 | 18.651   |
| 2       | 91.5        | 91.5 | 148.0    | 152.0 | 11900.021  | 2              | Yes | 0.99918 | 18.646   |
| 3       | 91.2        | 91.2 | 148.0    | 152.0 | 11899.627  | 3              | Yes | 0.99920 | 18.698   |
| 4       | 90.9        | 90.9 | 148.0    | 152.0 | 11901.499  | 4              | Yes | 0.99902 | 18.701   |
| 5       | 90.6        | 90.6 | 148.0    | 152.0 | 11905.192  | 5              | Yes | 0.99870 | 18.612   |
| Average | 91.2        | 91.2 | 148.0    | 152.0 | 11901.8888 |                |     | 0.99900 | 18.662   |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00058 | 1.00012 | 0.98382 | 1.00094 | 0.98543 | 1.17089 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11901.8888 | 10000.0000 | 1.19019 | 0.98382 | 1.00096 | 0.98476 | 1.17205 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 0.9990 MF  
 (2) MF \* CPL = 0.9999 CMF  
 (3) 1 ÷ MF = 1.0010 MA  
 (4) NKF ÷ MF = 10010 KF  
 (5) KF ÷ CPL = 10001 CKF

Repeatability: 0.050 %  
 Uncertainty: 0.027 %

|                                                                                                                                          |                   |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:

Witness:

PROVE

Customer: WPX -

Operator:

Location:

Federal ID: SEC.8 T23N R8W NMPM

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| Meter Data                                                                                                                                                                                                                                                                    | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67417923 WPX 197H</b><br><b>Factor Tracked Composite MF(CMF)</b><br><b>Temp Compensated No</b><br><b>NKF 10000.0000 N/bbl</b><br><b>Manufacturer Micro Motion</b><br><b>Size 1.00 in</b><br><b>Serial No. 14518623</b><br><b>Model No.</b>                                 | <b>Name Crude</b><br><b>Batch No.</b><br><b>Obs. Gravity 42.8 °API</b><br><b>Obs. Temp 88.6 °F</b><br><b>Obs. Press 0.0 psi</b><br><b>API Table Table A - Crude Oil (2004)</b><br><b>Base Density 40.3 °API</b> <b>HYC Y</b>                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Previous</b> <b>Current</b><br><b>Task ID 1468878172 1471555112</b><br><b>Date 07/18/2016 08/18/2016</b><br><b>Time 9:42 9:18</b><br><b>Product Crude Crude</b><br><b>Flowrate 42 bbl/hr 10 bbl/hr</b><br><b>Totalizer</b><br><b>Throughput</b><br><b>Base Density 40.8 °API 40.3 °API</b><br><b>Avg Prvr Temp 99.7 91.9</b><br><b>Avg Prvr Press 189.0 139.8</b><br><b>Repeatability 0.004 % 0.009 %</b><br><b>CMF 0.9961 1.0011</b><br><b>CMF Variance 0.0009 0.0050</b> |
| <b>Prover Data</b><br><b>BPV 1.18820 bbl</b><br><b>I.D. 7.981 in</b><br><b>W.T. 0.322 in</b><br><b>Manufacturer DOMINION</b><br><b>Type Displacement-Sphere</b><br><b>Serial No. 23MM</b><br><b>Elasticity 3.0E7 1/psi</b><br><b>Pipe Gc 1.88E-5 1/°F</b><br><b>Certified</b> | <b>Tolerances</b><br><b>Tolerance Type: Repeatability</b><br><b>Maximum Deviation: 0.050 %</b><br><b>Enabled? Y Passed? Y Min # of Runs: 5</b><br><b>Criteria: 5 out of 5 consecutive runs</b><br><b>Avg X Prev Meter Factor Deviation:</b><br><b>Enabled? N Passed? Y Prod Dep? N</b><br><b>Prev X Factor Count Sought: 1</b><br><b>Prev X Factor Count Used: 0</b><br><b>Cut Off History? N Cutoff Date:</b><br><b>Prev Meter Factor Deviation:</b><br><b>Enabled? N Passed? Y Prod Dep? N</b><br><b>Proving Mode: Volumetric</b><br><b>Density Mode: Manual</b><br><b>Calc. Method: Avg. Meter Factor</b><br><b>Proving Method: Manual</b><br><b>Passes Per Run 1</b> | <b>Liquid Properties at Metering Conditions for CMF</b><br><b>Normal Op. Pressure 138.0 psig</b><br><b>Eq. Vapor Pressure 0.0 psig</b><br><b>CPL 1.0008</b>                                                                                                                                                                                                                                                                                                                   |

| Run     | TEMPERATURE<br>Tp Tm | PRESSURE<br>Pp Pm | PULSES<br>N | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|----------------------|-------------------|-------------|----------------|---------|--------------------|
| 1       | 90.9 90.9            | 142.0 143.0       | 11886.949   | 1 Yes          | 1.00026 | 10.416             |
| 2       | 91.3 91.3            | 143.0 138.0       | 11887.111   | 2 Yes          | 1.00030 | 10.414             |
| 3       | 92.4 92.4            | 138.0 143.0       | 11887.030   | 3 Yes          | 1.00026 | 10.477             |
| 4       | 92.4 92.4            | 138.0 143.0       | 11887.635   | 4 Yes          | 1.00021 | 10.463             |
| 5       | 92.7 92.7            | 138.0 143.0       | 11886.947   | 5 Yes          | 1.00026 | 10.526             |
| Average | 91.9 91.9            | 139.8 142.0       | 11887.1344  |                | 1.00026 | 10.459             |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$ 

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00059 | 1.00012 | 0.98385 | 1.00085 | 0.98539 | 1.17084 |

(2) ISVm:  $[N(avg) \div NKF = IVm] * [CTLm * CPLm = CCFm]$ 

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11887.1344 | 10000.0000 | 1.18871 | 0.98385 | 1.00087 | 0.98471 | 1.17053 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0003 MF  
 (2) MF \* CPL = 1.0011 CMF  
 (3) 1 + MF = 0.9997 MA  
 (4) NKF ÷ MF = 9997.0 KF  
 (5) KF ÷ CPL = 9989.0 CKF

Repeatability: 0.009 %  
 Uncertainty: 0.005 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

PROVE

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 PROVER 8.7.0.0

 08/18/2016 15:14 Page: 1  
 Revision: 2

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.8 T23N R6W NMPM

NECHACO  
 30-039-31278

| Meter Data                                                                                                                                                                                                    | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67417923 WPX 197H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No. 14518623<br>Model No.                  | Name Crude<br>Batch No.<br>Obs. Gravity 41.7 °API<br>Obs. Temp 77.5 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.2 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                  | <div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> Task ID 1473981955 1476830974<br>Date 09/15/2016 10/18/2016<br>Time 11:25 10:49<br>Product Crude Crude<br>Flowrate 10 bbl/hr 13 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 40.9 °API 40.2 °API<br>Avg Pvr Temp 77.0 76.9<br>Avg Pvr Press 113.0 162.0<br>Repeatability 0.028 % 0.015 %<br>CMF 0.9999 1.0015<br>CMF Variance -0.0006 0.0007 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 155.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0009                                                                                                                                                                                                                                                                                                                                         |

| Run     | TEMPERATURE<br>Tp Tm | PRESSURE<br>Pp Pm | PULSES<br>N | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|----------------------|-------------------|-------------|----------------|---------|--------------------|
| 1       | 76.7 76.7            | 162.0 162.0       | 11878.456   | 1 Yes          | 1.00074 | 12.482             |
| 2       | 76.8 76.8            | 162.0 162.0       | 11879.727   | 2 Yes          | 1.00064 | 12.503             |
| 3       | 76.9 76.9            | 162.0 162.0       | 11880.044   | 3 Yes          | 1.00061 | 12.508             |
| 4       | 77.0 77.0            | 162.0 162.0       | 11879.609   | 4 Yes          | 1.00065 | 12.513             |
| 5       | 77.1 77.1            | 162.0 162.0       | 11880.463   | 5 Yes          | 1.00059 | 12.496             |
| Average | 76.9 76.9            | 162.0 162.0       | 11879.6598  |                | 1.00065 | 12.501             |

(1) GSVp: BPV \* [CTSp \* CPSP \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00031 | 1.00013 | 0.99147 | 1.00094 | 0.99284 | 1.17969 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11879.6598 | 10000.0000 | 1.18797 | 0.99147 | 1.00094 | 0.99240 | 1.17894 |

(3) Proving Factors:

>>>> (1) GSVp + ISVm = 1.0006 MF  
 (2) MF \* CPL = 1.0015 CMF  
 (3) 1 ÷ MF = 0.9994 MA  
 (4) NKF ÷ MF = 9994.0 KF  
 (5) KF ÷ CPL = 9985.0 CKF

Repeatability: 0.015 %  
 Uncertainty: 0.008 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician

Witness:

PROVE

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.8 T23N R6W NMPM

*Handwritten: NCCAW*

| <b>Meter Data</b><br>67417923 WPX 197H<br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No. 14518623<br>Model No.        | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 42.5 °API<br>Obs. Temp 78.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.9 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                          | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;"><u>Previous</u></th> <th style="text-align: left;"><u>Current</u></th> </tr> <tr> <td>Task ID 1473981776</td> <td>1473981955</td> </tr> <tr> <td>Date 09/15/2016</td> <td>09/15/2016</td> </tr> <tr> <td>Time 11:22</td> <td>11:25</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 41 bbl/hr</td> <td>10 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> </tr> <tr> <td>Base Density 40.9 °API</td> <td>40.9 °API</td> </tr> <tr> <td>Avg Pvr Temp 76.3</td> <td>77.0</td> </tr> <tr> <td>Avg Pvr Press 168.0</td> <td>113.0</td> </tr> <tr> <td>Repeatability 0.042 %</td> <td>0.028 %</td> </tr> <tr> <td>CMF 1.0005</td> <td>0.9999</td> </tr> <tr> <td>CMF Variance 0.0001</td> <td>-0.0006</td> </tr> </table> | <u>Previous</u> | <u>Current</u> | Task ID 1473981776 | 1473981955 | Date 09/15/2016 | 09/15/2016 | Time 11:22 | 11:25 | Product Crude | Crude | Flowrate 41 bbl/hr | 10 bbl/hr | Totalizer |  | Throughput |  | Base Density 40.9 °API | 40.9 °API | Avg Pvr Temp 76.3 | 77.0 | Avg Pvr Press 168.0 | 113.0 | Repeatability 0.042 % | 0.028 % | CMF 1.0005 | 0.9999 | CMF Variance 0.0001 | -0.0006 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--------------------|------------|-----------------|------------|------------|-------|---------------|-------|--------------------|-----------|-----------|--|------------|--|------------------------|-----------|-------------------|------|---------------------|-------|-----------------------|---------|------------|--------|---------------------|---------|
| <u>Previous</u>                                                                                                                                                                                                   | <u>Current</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Task ID 1473981776                                                                                                                                                                                                | 1473981955                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Date 09/15/2016                                                                                                                                                                                                   | 09/15/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Time 11:22                                                                                                                                                                                                        | 11:25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Product Crude                                                                                                                                                                                                     | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Flowrate 41 bbl/hr                                                                                                                                                                                                | 10 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Totalizer                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Throughput                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Base Density 40.9 °API                                                                                                                                                                                            | 40.9 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Avg Pvr Temp 76.3                                                                                                                                                                                                 | 77.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Avg Pvr Press 168.0                                                                                                                                                                                               | 113.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Repeatability 0.042 %                                                                                                                                                                                             | 0.028 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                     |       |                       |         |            |        |                     |         |
| CMF 1.0005                                                                                                                                                                                                        | 0.9999                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                     |       |                       |         |            |        |                     |         |
| CMF Variance 0.0001                                                                                                                                                                                               | -0.0006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                     |       |                       |         |            |        |                     |         |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 101.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                     |       |                       |         |            |        |                     |         |

| Run     | TEMPERATURE |      | PRESSURE |       | PULSES     | Run Accepted ? |     | IMF     | Flowrate<br>bbl/hr |
|---------|-------------|------|----------|-------|------------|----------------|-----|---------|--------------------|
|         | Tp          | Tm   | Pp       | Pm    | N          |                |     |         |                    |
| 1       | 76.2        | 76.2 | 113.0    | 126.0 | 11894.000  | 1              | Yes | 0.99931 | 10.000             |
| 2       | 76.3        | 76.3 | 113.0    | 126.0 | 11892.000  | 2              | Yes | 0.99947 | 10.000             |
| 3       | 76.5        | 76.5 | 113.0    | 126.0 | 11895.000  | 3              | Yes | 0.99923 | 10.000             |
| 4       | 77.4        | 77.4 | 113.0    | 126.0 | 11893.000  | 4              | Yes | 0.99941 | 10.000             |
| 5       | 78.6        | 78.6 | 113.0    | 126.0 | 11896.000  | 5              | Yes | 0.99919 | 10.000             |
| Average | 77.0        | 77.0 | 113.0    | 126.0 | 11894.0000 |                |     | 0.99932 | 10.000             |

(1) GSVp: BPV \* [CTSp \* CPSP \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00032 | 1.00009 | 0.99135 | 1.00066 | 0.99241 | 1.17918 |

(2) ISVm: [N(avg) + NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11894.0000 | 10000.0000 | 1.18940 | 0.99135 | 1.00074 | 0.99208 | 1.17998 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 0.9993 MF  
 (2) MF \* CPL = 0.9999 CMF  
 (3) 1 ÷ MF = 1.0007 MA  
 (4) NKF ÷ MF = 10007 KF  
 (5) KF ÷ CPL = 10001 CKF

Repeatability: 0.028 %  
 Uncertainty: 0.015 %

|                                                                                                                                              |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br><br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:

Witness:

PROVE

Customer: WPX -

Operator:

Location:

Federal ID: SEC.7 T23N R6W NMPM

NEC4 Acc. Co.  
30-029-8312-0  
7-23A-BL

| Meter Data                       | Product Data                          | Proving Data                     |
|----------------------------------|---------------------------------------|----------------------------------|
| 67412825 WPX 181H                | Name Crude                            | <u>Previous</u> <u>Current</u>   |
| Factor Tracked Composite MF(CMF) | Batch No.                             | Task ID 1476839654 1476840658    |
| Temp Compensated No              | Obs. Gravity 48.6 °API                | Date 10/18/2016 10/18/2016       |
| NKF 10000.0000 N/bbl             | Obs. Temp 105.2 °F                    | Time 13:14 13:30                 |
| Manufacturer Micro Motion        | Obs. Press 0.0 psi                    | Product Crude Crude              |
| Size in                          | API Table Table A - Crude Oil (2004)  | Flowrate 42 bbl/hr 21 bbl/hr     |
| Serial No. 14518598              | Base Density 44.4 °API HYC Y          | Totalizer                        |
| Model No.                        |                                       | Throughput                       |
|                                  |                                       | Base Density 44.4 °API 44.4 °API |
| Prover Data                      | Tolerances                            |                                  |
| BPV 1.18820 bbl                  | Tolerance Type: Repeatability         | Avg Pvr Temp 100.4 101.8         |
| I.D. 7.981 in                    | Maximum Deviation: 0.050 %            | Avg Pvr Press 125.0 138.0        |
| W.T. 0.322 in                    | Enabled? Y Passed? Y Min # of Runs: 5 | Repeatability 0.032 % 0.039 %    |
| Manufacturer DOMINION            | Criteria: 5 out of 5 consecutive runs | CMF 1.0017 1.0022                |
| Type Displacement-Sphere         | Avg X Prev Meter Factor Deviation:    | CMF Variance -0.0001 0.0005      |
| Serial No. 23MM                  | Enabled? N Passed? Y Prod Dep? N      |                                  |
| Elasticity 3.0E7 1/psi           | Prev X Factor Count Sought: 1         |                                  |
| Pipe Gc 1.86E-5 1/°F             | Prev X Factor Count Used: 0           |                                  |
|                                  | Cut Off History? N Cutoff Date:       |                                  |
|                                  | Prev Meter Factor Deviation:          |                                  |
| Certified                        | Enabled? N Passed? Y Prod Dep? N      |                                  |
|                                  | Proving Mode: Volumetric              |                                  |
|                                  | Density Mode: Manual                  |                                  |
|                                  | Calc. Method: Avg. Meter Factor       |                                  |
|                                  | Proving Method: PIU                   |                                  |
|                                  | Passes Per Run 1                      |                                  |
|                                  |                                       | Liquid Properties at Metering    |
|                                  |                                       | Conditions for CMF               |
|                                  |                                       | Normal Op. Pressure 131.0 psig   |
|                                  |                                       | Eq. Vapor Pressure 0.0 psig      |
|                                  |                                       | CPL 1.0009                       |

| Run     | TEMPERATURE | PRESSURE    | PULSES     | Run Accepted ? | IMF     | Flowrate |
|---------|-------------|-------------|------------|----------------|---------|----------|
|         | Tp Tm       | Pp Pm       | N          |                |         | bb/hr    |
| 1       | 101.9 101.9 | 138.0 141.0 | 11877.717  | 1 Yes          | 1.00123 | 20.769   |
| 2       | 102.1 102.1 | 138.0 141.0 | 11878.201  | 2 Yes          | 1.00119 | 20.816   |
| 3       | 101.6 101.6 | 138.0 141.0 | 11873.377  | 3 Yes          | 1.00158 | 20.868   |
| 4       | 101.5 101.5 | 138.0 141.0 | 11876.206  | 4 Yes          | 1.00134 | 20.838   |
| 5       | 101.8 101.8 | 138.0 141.0 | 11877.445  | 5 Yes          | 1.00126 | 20.853   |
| Average | 101.8 101.8 | 138.0 141.0 | 11876.5892 |                | 1.00132 | 20.829   |

(1) GSVp: BPV \* [CTSp \* CPSP \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00078 | 1.00011 | 0.97778 | 1.00094 | 0.97957 | 1.16393 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11876.5892 | 10000.0000 | 1.18766 | 0.97778 | 1.00096 | 0.97872 | 1.16239 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0013 MF  
(2) MF \* CPL = 1.0022 CMF  
(3) 1 ÷ MF = 0.9987 MA  
(4) NKF ÷ MF = 9987.0 KF  
(5) KF ÷ CPL = 9978.0 CKF

Repeatability: 0.039 %  
Uncertainty: 0.021 %

|                      |
|----------------------|
| Trans. Serial No.    |
| Flow Calib Factor    |
| Density Calib Factor |
| Frequency Set Point  |
| Flowrate Set Point   |
| Zero Verified Zeroed |
| As Found As Left     |

Technician:

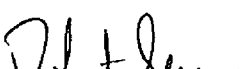
Witness:

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Technician:  Witness: 

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Revision: 1

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.7 T23N R6W NMPM

NE CNA co

| <b>Meter Data</b><br>67412825 WPX 181H<br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size in<br>Serial No. 14518598<br>Model No.             | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 48.8 °API<br>Obs. Temp 114.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 43.8 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                         | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th></th> <th style="text-align: center;"><u>Previous</u></th> <th style="text-align: center;"><u>Current</u></th> </tr> <tr> <td>Task ID</td> <td>1473981479</td> <td>1473981642</td> </tr> <tr> <td>Date</td> <td>09/16/2016</td> <td>09/16/2016</td> </tr> <tr> <td>Time</td> <td>11:17</td> <td>11:20</td> </tr> <tr> <td>Product</td> <td>Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate</td> <td>41 bbl/hr</td> <td>20 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> <td></td> </tr> <tr> <td>Base Density</td> <td>43.8 °API</td> <td>43.8 °API</td> </tr> <tr> <td>Avg Pvr Temp</td> <td>111.3</td> <td>113.4</td> </tr> <tr> <td>Avg Pvr Press</td> <td>127.0</td> <td>100.0</td> </tr> <tr> <td>Repeatability</td> <td>0.032 %</td> <td>0.041 %</td> </tr> <tr> <td>CMF</td> <td>1.0017</td> <td>1.0018</td> </tr> <tr> <td>CMF Variance</td> <td>0.0000</td> <td>0.0001</td> </tr> </table> |  | <u>Previous</u> | <u>Current</u> | Task ID | 1473981479 | 1473981642 | Date | 09/16/2016 | 09/16/2016 | Time | 11:17 | 11:20 | Product | Crude | Crude | Flowrate | 41 bbl/hr | 20 bbl/hr | Totalizer |  |  | Throughput |  |  | Base Density | 43.8 °API | 43.8 °API | Avg Pvr Temp | 111.3 | 113.4 | Avg Pvr Press | 127.0 | 100.0 | Repeatability | 0.032 % | 0.041 % | CMF | 1.0017 | 1.0018 | CMF Variance | 0.0000 | 0.0001 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------|----------------|---------|------------|------------|------|------------|------------|------|-------|-------|---------|-------|-------|----------|-----------|-----------|-----------|--|--|------------|--|--|--------------|-----------|-----------|--------------|-------|-------|---------------|-------|-------|---------------|---------|---------|-----|--------|--------|--------------|--------|--------|
|                                                                                                                                                                                                                   | <u>Previous</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <u>Current</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |       |       |               |       |       |               |         |         |     |        |        |              |        |        |
| Task ID                                                                                                                                                                                                           | 1473981479                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1473981642                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |       |       |               |       |       |               |         |         |     |        |        |              |        |        |
| Date                                                                                                                                                                                                              | 09/16/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 09/16/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |       |       |               |       |       |               |         |         |     |        |        |              |        |        |
| Time                                                                                                                                                                                                              | 11:17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 11:20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |       |       |               |       |       |               |         |         |     |        |        |              |        |        |
| Product                                                                                                                                                                                                           | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |       |       |               |       |       |               |         |         |     |        |        |              |        |        |
| Flowrate                                                                                                                                                                                                          | 41 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 20 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |       |       |               |       |       |               |         |         |     |        |        |              |        |        |
| Totalizer                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |       |       |               |       |       |               |         |         |     |        |        |              |        |        |
| Throughput                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |       |       |               |       |       |               |         |         |     |        |        |              |        |        |
| Base Density                                                                                                                                                                                                      | 43.8 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 43.8 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |       |       |               |       |       |               |         |         |     |        |        |              |        |        |
| Avg Pvr Temp                                                                                                                                                                                                      | 111.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 113.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |       |       |               |       |       |               |         |         |     |        |        |              |        |        |
| Avg Pvr Press                                                                                                                                                                                                     | 127.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 100.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |       |       |               |       |       |               |         |         |     |        |        |              |        |        |
| Repeatability                                                                                                                                                                                                     | 0.032 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.041 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |       |       |               |       |       |               |         |         |     |        |        |              |        |        |
| CMF                                                                                                                                                                                                               | 1.0017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.0018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |       |       |               |       |       |               |         |         |     |        |        |              |        |        |
| CMF Variance                                                                                                                                                                                                      | 0.0000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.0001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |       |       |               |       |       |               |         |         |     |        |        |              |        |        |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 97.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |       |       |               |       |       |               |         |         |     |        |        |              |        |        |

| Run     | TEMPERATURE |       | PRESSURE |       | PULSES<br>N | Run Accepted ? |     | IMF     | Flowrate<br>bbl/hr |
|---------|-------------|-------|----------|-------|-------------|----------------|-----|---------|--------------------|
|         | Tp          | Tm    | Pp       | Pm    |             |                |     |         |                    |
| 1       | 114.5       | 114.5 | 100.0    | 106.0 | 11884.000   | 1              | Yes | 1.00087 | 20.000             |
| 2       | 112.5       | 112.5 | 100.0    | 106.0 | 11879.000   | 2              | Yes | 1.00127 | 20.000             |
| 3       | 112.5       | 112.5 | 100.0    | 106.0 | 11881.000   | 3              | Yes | 1.00111 | 20.000             |
| 4       | 113.6       | 113.6 | 100.0    | 106.0 | 11879.000   | 4              | Yes | 1.00128 | 20.000             |
| 5       | 113.9       | 113.9 | 100.0    | 106.0 | 11882.000   | 5              | Yes | 1.00103 | 20.000             |
| Average | 113.4       | 113.4 | 100.0    | 106.0 | 11881.0000  |                |     | 1.00111 | 20.000             |

(1) GSVp:  $BPV * [CTSp * CPSP * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00099 | 1.00008 | 0.97176 | 1.00070 | 0.97348 | 1.15669 |

(2) ISVm:  $[N(avg) \div NKF = IVm] * [CTLm * CPLm = CCFm]$

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11881.0000 | 10000.0000 | 1.18810 | 0.97176 | 1.00075 | 0.97249 | 1.15542 |

(3) Proving Factors:

>>>> (1)  $GSVp \div ISVm = 1.0011$  MF  
 (2)  $MF * CPL = 1.0018$  CMF  
 (3)  $1 \div MF = 0.9989$  MA  
 (4)  $NKF \div MF = 9989.0$  KF  
 (5)  $KF \div CPL = 9982.0$  CKF

Repeatability: 0.041 %  
 Uncertainty: 0.022 %

|                                                                                                                                          |                   |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:

Witness:

PROVE

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.8 T23N R6W NMPM

*NE Chad Com*

|                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Meter Data</b><br><b>67413117 WPX 199H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No. 14518632<br>Model No. | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 46.5 °API<br>Obs. Temp 110.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 42.0 °API HYC Y                                                                                                                                                                                                                                                                                                                                                             | <b>Proving Data</b><br><div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> Task ID 1468368066 1471550513<br>Date 07/12/2016 08/18/2016<br>Time 12:01 8:01<br>Product Crude Crude<br>Flowrate 42 bbl/hr 15 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 41.8°API 42.0 °API<br>Avg Prvr Temp 96.0 107.4<br>Avg Prvr Press 220.0 134.0<br>Repeatability 0.004 % 0.010 %<br>CMF 0.9993 0.9993<br>CMF Variance -0.0040 0.0000 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br>Certified     | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 130.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0009                                                                                                                                                                                                                                                                                                                                                                 |

| Run     | TEMPERATURE |       | PRESSURE |       | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|-------|----------|-------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm    | Pp       | Pm    | N          |                |     |         | bb/hr    |
| 1       | 105.9       | 105.9 | 134.0    | 135.0 | 11912.274  | 1              | Yes | 0.99842 | 14.551   |
| 2       | 107.1       | 107.1 | 134.0    | 135.0 | 11912.761  | 2              | Yes | 0.99839 | 14.549   |
| 3       | 107.5       | 107.5 | 134.0    | 135.0 | 11913.525  | 3              | Yes | 0.99832 | 14.545   |
| 4       | 108.0       | 108.0 | 134.0    | 135.0 | 11912.745  | 4              | Yes | 0.99840 | 14.643   |
| 5       | 108.4       | 108.4 | 134.0    | 135.0 | 11912.793  | 5              | Yes | 0.99842 | 14.632   |
| Average | 107.4       | 107.4 | 134.0    | 135.0 | 11912.8196 |                |     | 0.99839 | 14.584   |

(1) GSVp: BPV \* [CTSp \* CPSP \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00088 | 1.00011 | 0.97547 | 1.00089 | 0.97730 | 1.16123 |

(2) ISVm: [N(avg) + NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11912.8196 | 10000.0000 | 1.19128 | 0.97547 | 1.00090 | 0.97635 | 1.16311 |

(3) Proving Factors:

|          |               |        |     |                                                                                                                                          |
|----------|---------------|--------|-----|------------------------------------------------------------------------------------------------------------------------------------------|
| >>>> (1) | GSVp ÷ ISVm = | 0.9984 | MF  | Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found |
| (2)      | MF * CPL =    | 0.9993 | CMF |                                                                                                                                          |
| (3)      | 1 ÷ MF =      | 1.0016 | MA  |                                                                                                                                          |
| (4)      | NKF + MF =    | 10016  | KF  |                                                                                                                                          |
| (5)      | KF ÷ CPL =    | 10007  | CKF |                                                                                                                                          |

Repeatability: 0.010 %  
 Uncertainty: 0.005 %

Technician

Witness:

PROVE



Customer: WPX -

Operator:

Location:

Federal ID: SEC.8 T23N R6W NMPM

NECA/ACOM com  
300 4-31 247

| Meter Data                       | Product Data                          | Proving Data                                            |
|----------------------------------|---------------------------------------|---------------------------------------------------------|
| 67413117 WPX 199H                | Name Crude                            | <u>Previous</u> <u>Current</u>                          |
| Factor Tracked Composite MF(CMF) | Batch No.                             | Task ID 1476825139 1476826203                           |
| Temp Compensated No              | Obs. Gravity 43.5 °API                | Date 10/18/2016 10/18/2016                              |
| NKF 10000.0000 N/bbl             | Obs. Temp 91.1 °F                     | Time 9:12 9:30                                          |
| Manufacturer Micro Motion        | Obs. Press 0.0 psi                    | Product Crude Crude                                     |
| Size 1.00 in                     | API Table Table A - Crude Oil (2004)  | Flowrate 42 bbl/hr 15 bbl/hr                            |
| Serial No. 14518632              | Base Density 40.8 °API HYC Y          | Totalizer                                               |
| Model No.                        |                                       | Throughput                                              |
|                                  |                                       | Base Density 40.8 °API 40.8 °API                        |
| <b>Prover Data</b>               | <b>Tolerances</b>                     |                                                         |
| BPV 1.18820 bbl                  | Tolerance Type: Repeatability         | Avg Prvr Temp 89.5 88.9                                 |
| I.D. 7.981 in                    | Maximum Deviation: 0.050 %            | Avg Prvr Press 194.0 156.0                              |
| W.T. 0.322 in                    | Enabled? Y Passed? Y Min # of Runs: 5 | Repeatability 0.037 % 0.014 %                           |
| Manufacturer DOMINION            | Criteria: 5 out of 5 consecutive runs | CMF 1.0012 1.0008                                       |
| Type Displacement-Sphere         | Avg X Prev Meter Factor Deviation:    | CMF Variance 0.0024 -0.0004                             |
| Serial No. 23MM                  | Enabled? N Passed? Y Prod Dep? N      |                                                         |
| Elasticity 3.0E7 1/psi           | Prev X Factor Count Sought: 1         |                                                         |
| Pipe Gc 1.86E-5 1°F              | Prev X Factor Count Used: 0           |                                                         |
|                                  | Cut Off History? N Cutoff Date:       |                                                         |
| Certified                        | Prev Meter Factor Deviation:          |                                                         |
|                                  | Enabled? N Passed? Y Prod Dep? N      |                                                         |
|                                  | Proving Mode: Volumetric              |                                                         |
|                                  | Density Mode: Manual                  |                                                         |
|                                  | Calc. Method: Avg. Meter Factor       |                                                         |
|                                  | Proving Method: PIU                   |                                                         |
|                                  | Passes Per Run 1                      |                                                         |
|                                  |                                       | <b>Liquid Properties at Metering Conditions for CMF</b> |
|                                  |                                       | Normal Op. Pressure 152.0 psig                          |
|                                  |                                       | Eq. Vapor Pressure 0.0 psig                             |
|                                  |                                       | CPL 1.0009                                              |

| Run     | TEMPERATURE |      | PRESSURE |       | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|-------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm    | N          |                |     |         | bb/hr    |
| 1       | 88.9        | 88.9 | 156.0    | 158.0 | 11890.486  | 1              | Yes | 0.99994 | 14.569   |
| 2       | 88.9        | 88.9 | 156.0    | 158.0 | 11890.033  | 2              | Yes | 0.99998 | 14.567   |
| 3       | 88.8        | 88.8 | 156.0    | 158.0 | 11890.920  | 3              | Yes | 0.99991 | 14.531   |
| 4       | 88.8        | 88.8 | 156.0    | 158.0 | 11890.153  | 4              | Yes | 0.99997 | 14.577   |
| 5       | 88.9        | 88.9 | 156.0    | 158.0 | 11891.722  | 5              | Yes | 0.99984 | 14.569   |
| Average | 88.9        | 88.9 | 156.0    | 158.0 | 11890.6628 |                |     | 0.99993 | 14.562   |

(1) GSVp: BPV \* [CTSp \* CPSP \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00054 | 1.00013 | 0.98529 | 1.00095 | 0.98689 | 1.17262 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11890.6628 | 10000.0000 | 1.18907 | 0.98529 | 1.00096 | 0.98624 | 1.17271 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 0.9999 MF  
 (2) MF \* CPL = 1.0008 CMF  
 (3) 1 ÷ MF = 1.0001 MA  
 (4) NKF ÷ MF = 10001 KF  
 (5) KF ÷ CPL = 9992.0 CKF

Repeatability: 0.014 %  
 Uncertainty: 0.007 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

PROVEit

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Revision: 1

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.8 T23N R6W NMPM

*RECHACO*

| <b>Meter Data</b><br>67413117 WPX 199H<br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No. 14518632<br>Model No.         | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 46.6 °API<br>Obs. Temp 117.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.5 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                         | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;"><u>Previous</u></th> <th style="text-align: left;"><u>Current</u></th> </tr> <tr> <td>Task ID 1473976776</td> <td>1473981311</td> </tr> <tr> <td>Date 09/15/2016</td> <td>09/15/2016</td> </tr> <tr> <td>Time 9:59</td> <td>11:15</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 41 bbl/hr</td> <td>14 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> </tr> <tr> <td>Base Density 41.5 °API</td> <td>41.5 °API</td> </tr> <tr> <td>Avg Prvr Temp 114.0</td> <td>112.8</td> </tr> <tr> <td>Avg Prvr Press 167.0</td> <td>108.0</td> </tr> <tr> <td>Repeatability 0.049 %</td> <td>0.035 %</td> </tr> <tr> <td>CMF 1.0002</td> <td>0.9988</td> </tr> <tr> <td>CMF Variance -0.0001</td> <td>-0.0014</td> </tr> </table> | <u>Previous</u> | <u>Current</u> | Task ID 1473976776 | 1473981311 | Date 09/15/2016 | 09/15/2016 | Time 9:59 | 11:15 | Product Crude | Crude | Flowrate 41 bbl/hr | 14 bbl/hr | Totalizer |  | Throughput |  | Base Density 41.5 °API | 41.5 °API | Avg Prvr Temp 114.0 | 112.8 | Avg Prvr Press 167.0 | 108.0 | Repeatability 0.049 % | 0.035 % | CMF 1.0002 | 0.9988 | CMF Variance -0.0001 | -0.0014 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--------------------|------------|-----------------|------------|-----------|-------|---------------|-------|--------------------|-----------|-----------|--|------------|--|------------------------|-----------|---------------------|-------|----------------------|-------|-----------------------|---------|------------|--------|----------------------|---------|
| <u>Previous</u>                                                                                                                                                                                                    | <u>Current</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                     |       |                      |       |                       |         |            |        |                      |         |
| Task ID 1473976776                                                                                                                                                                                                 | 1473981311                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                     |       |                      |       |                       |         |            |        |                      |         |
| Date 09/15/2016                                                                                                                                                                                                    | 09/15/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                     |       |                      |       |                       |         |            |        |                      |         |
| Time 9:59                                                                                                                                                                                                          | 11:15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                     |       |                      |       |                       |         |            |        |                      |         |
| Product Crude                                                                                                                                                                                                      | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                     |       |                      |       |                       |         |            |        |                      |         |
| Flowrate 41 bbl/hr                                                                                                                                                                                                 | 14 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                     |       |                      |       |                       |         |            |        |                      |         |
| Totalizer                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                     |       |                      |       |                       |         |            |        |                      |         |
| Throughput                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                     |       |                      |       |                       |         |            |        |                      |         |
| Base Density 41.5 °API                                                                                                                                                                                             | 41.5 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                     |       |                      |       |                       |         |            |        |                      |         |
| Avg Prvr Temp 114.0                                                                                                                                                                                                | 112.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                     |       |                      |       |                       |         |            |        |                      |         |
| Avg Prvr Press 167.0                                                                                                                                                                                               | 108.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                     |       |                      |       |                       |         |            |        |                      |         |
| Repeatability 0.049 %                                                                                                                                                                                              | 0.035 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                     |       |                      |       |                       |         |            |        |                      |         |
| CMF 1.0002                                                                                                                                                                                                         | 0.9988                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                     |       |                      |       |                       |         |            |        |                      |         |
| CMF Variance -0.0001                                                                                                                                                                                               | -0.0014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                     |       |                      |       |                       |         |            |        |                      |         |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/°F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 98.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                        |           |                     |       |                      |       |                       |         |            |        |                      |         |

| Run     | TEMPERATURE |       | PRESSURE |       | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|-------|----------|-------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm    | Pp       | Pm    | N          |                |     |         | bbl/hr   |
| 1       | 113.7       | 113.7 | 108.0    | 112.0 | 11915.000  | 1              | Yes | 0.99828 | 14.000   |
| 2       | 112.7       | 112.7 | 108.0    | 112.0 | 11917.000  | 2              | Yes | 0.99810 | 14.000   |
| 3       | 112.5       | 112.5 | 108.0    | 112.0 | 11918.000  | 3              | Yes | 0.99802 | 14.000   |
| 4       | 112.5       | 112.5 | 108.0    | 112.0 | 11919.000  | 4              | Yes | 0.99794 | 14.000   |
| 5       | 112.4       | 112.4 | 108.0    | 112.0 | 11919.000  | 5              | Yes | 0.99793 | 14.000   |
| Average | 112.8       | 112.8 | 108.0    | 112.0 | 11917.6000 |                |     | 0.99805 | 14.000   |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00098 | 1.00009 | 0.97281 | 1.00073 | 0.97456 | 1.15797 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11917.6000 | 10000.0000 | 1.19176 | 0.97281 | 1.00075 | 0.97354 | 1.16023 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 0.9981 MF  
 (2) MF \* CPL = 0.9988 CMF  
 (3) 1 ÷ MF = 1.0019 MA  
 (4) NKF ÷ MF = 10019 KF  
 (5) KF ÷ CPL = 10012 CKF

Repeatability: 0.035 %  
 Uncertainty: 0.019 %

|                                                                                                                                          |                   |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician: *[Signature]*

Witness:

PROVE

17-23a-5u

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.17 T23N R6W NMPM

15 CAA CO

17-23N-6W

| Meter Data                                                                                                                                                                                                            | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67412945 WPX 201H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No. 14518601<br>Model No.                          | Name Crude<br>Batch No.<br>Obs. Gravity 43.0 °API<br>Obs. Temp 95.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.0 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                              | <div style="display: flex; justify-content: space-between;"> <span>Previous</span> <span>Current</span> </div> Task ID 1468364008 1471470714<br>Date 07/12/2016 08/17/2016<br>Time 10:53 9:51<br>Product Crude Crude<br>Flowrate 42 bbl/hr 13 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 43.1°API 40.0 °API<br><br>Avg Prvr Temp 77.5 91.3<br>Avg Prvr Press 175.0 100.0<br>Repeatability 0.026 % 0.027 %<br>CMF 1.0009 1.0022<br>CMF Variance -0.0041 0.0013 |
| <b>Prover Data</b><br><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br><br>Normal Op. Pressure 100.0 psig<br>Eq. Vapor Pressure psig<br>CPL 1.0006                                                                                                                                                                                                                                                                                                                               |

| Run     | TEMPERATURE |      | PRESSURE |       | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|-------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm    | N          |                |     |         | bbl/hr   |
| 1       | 90.7        | 90.7 | 100.0    | 110.0 | 11871.255  | 1              | Yes | 1.00149 | 12.513   |
| 2       | 90.7        | 90.7 | 100.0    | 110.0 | 11870.913  | 2              | Yes | 1.00151 | 12.514   |
| 3       | 91.0        | 91.0 | 100.0    | 110.0 | 11868.209  | 3              | Yes | 1.00176 | 12.515   |
| 4       | 92.0        | 92.0 | 100.0    | 110.0 | 11871.274  | 4              | Yes | 1.00152 | 12.513   |
| 5       | 92.1        | 92.1 | 100.0    | 110.0 | 11870.454  | 5              | Yes | 1.00159 | 12.530   |
| Average | 91.3        | 91.3 | 100.0    | 110.0 | 11870.4210 |                |     | 1.00167 | 12.517   |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00058 | 1.00008 | 0.98421 | 1.00061 | 0.98546 | 1.17092 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

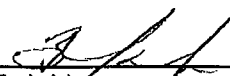
|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11870.4210 | 10000.0000 | 1.18704 | 0.98421 | 1.00067 | 0.98487 | 1.16908 |

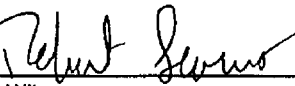
(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0016 MF  
 (2) MF \* CPL = 1.0022 CMF  
 (3) 1 ÷ MF = 0.9984 MA  
 (4) NKF ÷ MF = 9984.0 KF  
 (5) KF ÷ CPL = 9978.0 CKF

Repeatability: 0.027 %  
 Uncertainty: 0.014 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

  
 Technician:

  
 Witness:

PROVE

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.17 T23N R6W NMPM

NE CHACO  
 17-23N-6W

| <b>Meter Data</b><br>67412945 WPX 201H<br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No. 14518601<br>Model No.    | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 46.3 °API<br>Obs. Temp 83.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 44.2 °API HYC Y                                                                                                                                                                                                                                                                                                                                                              | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th></th> <th style="text-align: center;">Previous</th> <th style="text-align: center;">Current</th> </tr> <tr> <td>Task ID</td> <td>1473802697</td> <td>1473802869</td> </tr> <tr> <td>Date</td> <td>09/13/2016</td> <td>09/13/2016</td> </tr> <tr> <td>Time</td> <td>9:38</td> <td>9:41</td> </tr> <tr> <td>Product</td> <td>Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate</td> <td>41 bbl/hr</td> <td>12 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> <td></td> </tr> <tr> <td>Base Density</td> <td>44.2 °API</td> <td>44.2 °API</td> </tr> <tr> <td>Avg Pvr Temp</td> <td>83.8</td> <td>81.9</td> </tr> <tr> <td>Avg Pvr Press</td> <td>138.0</td> <td>103.0</td> </tr> <tr> <td>Repeatability</td> <td>0.043 %</td> <td>0.042 %</td> </tr> <tr> <td>CMF</td> <td>1.0012</td> <td>1.0026</td> </tr> <tr> <td>CMF Variance</td> <td>0.0002</td> <td>0.0014</td> </tr> </table> |  | Previous | Current | Task ID | 1473802697 | 1473802869 | Date | 09/13/2016 | 09/13/2016 | Time | 9:38 | 9:41 | Product | Crude | Crude | Flowrate | 41 bbl/hr | 12 bbl/hr | Totalizer |  |  | Throughput |  |  | Base Density | 44.2 °API | 44.2 °API | Avg Pvr Temp | 83.8 | 81.9 | Avg Pvr Press | 138.0 | 103.0 | Repeatability | 0.043 % | 0.042 % | CMF | 1.0012 | 1.0026 | CMF Variance | 0.0002 | 0.0014 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|---------|---------|------------|------------|------|------------|------------|------|------|------|---------|-------|-------|----------|-----------|-----------|-----------|--|--|------------|--|--|--------------|-----------|-----------|--------------|------|------|---------------|-------|-------|---------------|---------|---------|-----|--------|--------|--------------|--------|--------|
|                                                                                                                                                                                                               | Previous                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |       |       |               |         |         |     |        |        |              |        |        |
| Task ID                                                                                                                                                                                                       | 1473802697                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1473802869                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |       |       |               |         |         |     |        |        |              |        |        |
| Date                                                                                                                                                                                                          | 09/13/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 09/13/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |       |       |               |         |         |     |        |        |              |        |        |
| Time                                                                                                                                                                                                          | 9:38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 9:41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |       |       |               |         |         |     |        |        |              |        |        |
| Product                                                                                                                                                                                                       | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |       |       |               |         |         |     |        |        |              |        |        |
| Flowrate                                                                                                                                                                                                      | 41 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |       |       |               |         |         |     |        |        |              |        |        |
| Totalizer                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |       |       |               |         |         |     |        |        |              |        |        |
| Throughput                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |       |       |               |         |         |     |        |        |              |        |        |
| Base Density                                                                                                                                                                                                  | 44.2 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 44.2 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |       |       |               |         |         |     |        |        |              |        |        |
| Avg Pvr Temp                                                                                                                                                                                                  | 83.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 81.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |       |       |               |         |         |     |        |        |              |        |        |
| Avg Pvr Press                                                                                                                                                                                                 | 138.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 103.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |       |       |               |         |         |     |        |        |              |        |        |
| Repeatability                                                                                                                                                                                                 | 0.043 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.042 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |       |       |               |         |         |     |        |        |              |        |        |
| CMF                                                                                                                                                                                                           | 1.0012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1.0026                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |       |       |               |         |         |     |        |        |              |        |        |
| CMF Variance                                                                                                                                                                                                  | 0.0002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.0014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |       |       |               |         |         |     |        |        |              |        |        |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 98.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |       |       |               |         |         |     |        |        |              |        |        |

| Run     | TEMPERATURE |      | PRESSURE |       | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|-------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm    | N          |                |     |         | bbl/hr   |
| 1       | 82.1        | 82.1 | 103.0    | 108.0 | 11867.000  | 1              | Yes | 1.00174 | 12.000   |
| 2       | 82.5        | 82.5 | 103.0    | 108.0 | 11864.000  | 2              | Yes | 1.00200 | 12.000   |
| 3       | 81.3        | 81.3 | 103.0    | 108.0 | 11862.000  | 3              | Yes | 1.00215 | 12.000   |
| 4       | 82.0        | 82.0 | 103.0    | 108.0 | 11865.000  | 4              | Yes | 1.00191 | 12.000   |
| 5       | 81.8        | 81.8 | 103.0    | 108.0 | 11862.000  | 5              | Yes | 1.00216 | 12.000   |
| Average | 81.9        | 81.9 | 103.0    | 108.0 | 11864.0000 |                |     | 1.00199 | 12.000   |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00041 | 1.00009 | 0.98842 | 1.00065 | 0.98956 | 1.17580 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11864.0000 | 10000.0000 | 1.18640 | 0.98842 | 1.00068 | 0.98909 | 1.17346 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0020 MF  
 (2) MF \* CPL = 1.0026 CMF  
 (3) 1 ÷ MF = 0.9980 MA  
 (4) NKF ÷ MF = 9980.0 KF  
 (5) KF ÷ CPL = 9974.0 CKF

Repeatability: 0.042 %  
 Uncertainty: 0.022 %

|                                                                                                                                          |                   |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:

Witness:

PROVE

Customer: WPX -

Operator:

Location:

Federal ID: *NE CHACO*

| Meter Data                                                                                                                                                                                                                                                                            | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67411556 WPX 206H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No. 14518573<br>Model No.                                                                                          | <b>Name</b> Crude<br><b>Batch No.</b><br><b>Obs. Gravity</b> 47.4 °API<br><b>Obs. Temp</b> 106.8 °F<br><b>Obs. Press</b> 0.0 psi<br><b>API Table</b> Table A - Crude Oil (2004)<br><b>Base Density</b> 43.1 °API <b>HYC</b> Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> <b>Task ID</b> 1476926317 1476927350<br><b>Date</b> 10/19/2016 10/19/2016<br><b>Time</b> 13:18 13:35<br><b>Product</b> Crude Crude<br><b>Flowrate</b> 42 bbl/hr 13 bbl/hr<br><b>Totalizer</b><br><b>Throughput</b><br><b>Base Density</b> 43.1 °API 43.1 °API<br><br><b>Avg Prvr Temp</b> 101.6 100.9<br><b>Avg Prvr Press</b> 89.0 55.0<br><b>Repeatability</b> 0.043 % 0.037 %<br><b>CMF</b> 1.0022 1.0021<br><b>CMF Variance</b> 0.0003 -0.0001 |
| <b>Prover Data</b><br><br><b>BPV</b> 1.18820 bbl<br><b>I.D.</b> 7.981 in<br><b>W.T.</b> 0.322 in<br><b>Manufacturer</b> DOMINION<br><b>Type</b> Displacement-Sphere<br><b>Serial No.</b> 23MM<br><b>Elasticity</b> 3.0E7 1/psi<br><b>Pipe Gc</b> 1.86E-5 1/°F<br><br><b>Certified</b> | <b>Tolerances</b><br><b>Tolerance Type:</b> Repeatability<br><b>Maximum Deviation:</b> 0.050 %<br><b>Enabled?</b> Y <b>Passed?</b> Y <b>Min # of Runs:</b> 5<br><b>Criteria:</b> 5 out of 5 consecutive runs<br><br><b>Avg X Prev Meter Factor Deviation:</b><br><b>Enabled?</b> N <b>Passed?</b> Y <b>Prod Dep?</b> N<br><b>Prev X Factor Count Sought:</b> 1<br><b>Prev X Factor Count Used:</b> 0<br><b>Cut Off History?</b> N <b>Cutoff Date:</b><br><br><b>Prev Meter Factor Deviation:</b><br><b>Enabled?</b> N <b>Passed?</b> Y <b>Prod Dep?</b> N<br><br><b>Proving Mode:</b> Volumetric<br><b>Density Mode:</b> Manual<br><b>Calc. Method:</b> Avg. Meter Factor<br><b>Proving Method:</b> PIU<br><b>Passes Per Run</b> 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br><br><b>Normal Op. Pressure</b> 53.0 psig<br><b>Eq. Vapor Pressure</b> 0.0 psig<br><b>CPL</b> 1.0004                                                                                                                                                                                                                                                                                                                                                                                                                  |

| Run     | TEMPERATURE |       | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|-------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm    | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 102.6       | 102.6 | 55.0     | 58.0 | 11868.885  | 1              | Yes | 1.00192 | 12.470   |
| 2       | 100.1       | 100.1 | 55.0     | 58.0 | 11870.612  | 2              | Yes | 1.00175 | 12.501   |
| 3       | 100.7       | 100.7 | 55.0     | 58.0 | 11872.689  | 3              | Yes | 1.00158 | 12.514   |
| 4       | 100.7       | 100.7 | 55.0     | 58.0 | 11873.104  | 4              | Yes | 1.00155 | 12.538   |
| 5       | 100.5       | 100.5 | 55.0     | 58.0 | 11870.537  | 5              | Yes | 1.00176 | 12.530   |
| Average | 100.9       | 100.9 | 55.0     | 58.0 | 11871.1654 |                |     | 1.00171 | 12.511   |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$ 

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00076 | 1.00005 | 0.97858 | 1.00036 | 0.97973 | 1.16412 |

(2) ISVm:  $[N(avg) \div NKF = IVm] * [CTLm * CPLm = CCFm]$ 

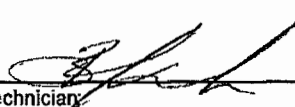
|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11871.1654 | 10000.0000 | 1.18712 | 0.97858 | 1.00038 | 0.97895 | 1.16213 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0017 MF  
 (2) MF \* CPL = 1.0021 CMF  
 (3) 1 + MF = 0.9983 MA  
 (4) NKF ÷ MF = 9983.0 KF  
 (5) KF ÷ CPL = 9979.0 CKF

|                                                                                                                                              |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br><br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Repeatability: 0.037 %  
 Uncertainty: 0.020 %

Technician: 

Witness:

PROVE

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 PROVEit PROVEit 8.7.0.0

 10/19/2016 14:21 Page: 1  
 Revision: 1

Customer: WPX -  
Operator:  
Location:  
Federal ID: SEC.16 T23N R6W NMPM

NE CHACO  
16-23N-6W

| <b>Meter Data</b><br>67422755 WPX 209H<br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No. 14517620<br>Model No.        | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 44.3 °API<br>Obs. Temp 90.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.7 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                       | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;"><u>Previous</u></th> <th style="text-align: left;"><u>Current</u></th> </tr> <tr> <td>Task ID 1468360182</td> <td>1470354213</td> </tr> <tr> <td>Date 07/12/2016</td> <td>08/04/2016</td> </tr> <tr> <td>Time 9:49</td> <td>11:43</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 42 bbl/hr</td> <td>23 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> </tr> <tr> <td>Base Density 41.8°API</td> <td>41.7 °API</td> </tr> <tr> <td>Avg Pvr Temp 88.5</td> <td>89.2</td> </tr> <tr> <td>Avg Pvr Press 215.0</td> <td>136.0</td> </tr> <tr> <td>Repeatability 0.029 %</td> <td>0.049 %</td> </tr> <tr> <td>CMF 0.9992</td> <td>1.0003</td> </tr> <tr> <td>CMF Variance -0.0001</td> <td>0.0011</td> </tr> </table> | <u>Previous</u> | <u>Current</u> | Task ID 1468360182 | 1470354213 | Date 07/12/2016 | 08/04/2016 | Time 9:49 | 11:43 | Product Crude | Crude | Flowrate 42 bbl/hr | 23 bbl/hr | Totalizer |  | Throughput |  | Base Density 41.8°API | 41.7 °API | Avg Pvr Temp 88.5 | 89.2 | Avg Pvr Press 215.0 | 136.0 | Repeatability 0.029 % | 0.049 % | CMF 0.9992 | 1.0003 | CMF Variance -0.0001 | 0.0011 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--------------------|------------|-----------------|------------|-----------|-------|---------------|-------|--------------------|-----------|-----------|--|------------|--|-----------------------|-----------|-------------------|------|---------------------|-------|-----------------------|---------|------------|--------|----------------------|--------|
| <u>Previous</u>                                                                                                                                                                                                   | <u>Current</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                      |        |
| Task ID 1468360182                                                                                                                                                                                                | 1470354213                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                      |        |
| Date 07/12/2016                                                                                                                                                                                                   | 08/04/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                      |        |
| Time 9:49                                                                                                                                                                                                         | 11:43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                      |        |
| Product Crude                                                                                                                                                                                                     | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                      |        |
| Flowrate 42 bbl/hr                                                                                                                                                                                                | 23 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                      |        |
| Totalizer                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                      |        |
| Throughput                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                      |        |
| Base Density 41.8°API                                                                                                                                                                                             | 41.7 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                      |        |
| Avg Pvr Temp 88.5                                                                                                                                                                                                 | 89.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                      |        |
| Avg Pvr Press 215.0                                                                                                                                                                                               | 136.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                      |        |
| Repeatability 0.029 %                                                                                                                                                                                             | 0.049 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                      |        |
| CMF 0.9992                                                                                                                                                                                                        | 1.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                      |        |
| CMF Variance -0.0001                                                                                                                                                                                              | 0.0011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                      |        |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 130.0 psig<br>Eq. Vapor Pressure psig<br>CPL 1.0008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                      |        |

| Run     | TEMPERATURE |      | PRESSURE |       | PULSES     | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|-------------|------|----------|-------|------------|----------------|---------|--------------------|
|         | Tp          | Tm   | Pp       | Pm    | N          |                |         |                    |
| 1       | 91.4        | 91.4 | 136.0    | 140.0 | 11893.686  | 1 Yes          | 0.99968 | 22.899             |
| 2       | 89.5        | 89.5 | 136.0    | 140.0 | 11897.138  | 2 Yes          | 0.99936 | 22.886             |
| 3       | 87.3        | 87.3 | 136.0    | 140.0 | 11894.065  | 3 Yes          | 0.99958 | 22.892             |
| 4       | 88.2        | 88.2 | 136.0    | 140.0 | 11892.492  | 4 Yes          | 0.99972 | 22.901             |
| 5       | 89.8        | 89.8 | 136.0    | 140.0 | 11898.648  | 5 Yes          | 0.99923 | 22.889             |
| Average | 89.2        | 89.2 | 136.0    | 140.0 | 11895.2058 |                | 0.99951 | 22.893             |

(1) GSVp: BPV \* [CTSp \* CPSP \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00054 | 1.00011 | 0.98498 | 1.00084 | 0.98645 | 1.17210 |

(2) ISVm: [N(avg) + NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11895.2058 | 10000.0000 | 1.18952 | 0.98498 | 1.00087 | 0.98584 | 1.17268 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 0.9995 MF  
 (2) MF \* CPL = 1.0003 CMF  
 (3) 1 + MF = 1.0005 MA  
 (4) NKF ÷ MF = 10005 KF  
 (5) KF ÷ CPL = 9997.0 CKF

Repeatability: 0.049 %  
 Uncertainty: 0.026 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

PROVE

Witness:

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.16 T23N R6W NMPM

NOT Ch Ad  
 16-23 N-6W

| <b>Meter Data</b><br>67422755 WPX 209H<br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No. 14517620<br>Model No.    | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 43.5 °API<br>Obs. Temp 83.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.5 °API HYC Y                                                                                                                                                                                                                                                                                                                                                              | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;"><u>Previous</u></th> <th style="text-align: left;"><u>Current</u></th> </tr> <tr> <td>Task ID 1470355923</td> <td>1473802365</td> </tr> <tr> <td>Date 08/04/2016</td> <td>09/13/2016</td> </tr> <tr> <td>Time 12:12</td> <td>9:32</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 42 bbl/hr</td> <td>22 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> </tr> <tr> <td>Base Density 41.7°API</td> <td>41.5 °API</td> </tr> <tr> <td>Avg Pvr Temp 87.7</td> <td>83.8</td> </tr> <tr> <td>Avg Pvr Press 184.0</td> <td>139.0</td> </tr> <tr> <td>Repeatability 0.044 %</td> <td>0.037 %</td> </tr> <tr> <td>CMF 1.0006</td> <td>1.0004</td> </tr> <tr> <td>CMF Variance 0.0003</td> <td>-0.0002</td> </tr> </table> | <u>Previous</u> | <u>Current</u> | Task ID 1470355923 | 1473802365 | Date 08/04/2016 | 09/13/2016 | Time 12:12 | 9:32 | Product Crude | Crude | Flowrate 42 bbl/hr | 22 bbl/hr | Totalizer |  | Throughput |  | Base Density 41.7°API | 41.5 °API | Avg Pvr Temp 87.7 | 83.8 | Avg Pvr Press 184.0 | 139.0 | Repeatability 0.044 % | 0.037 % | CMF 1.0006 | 1.0004 | CMF Variance 0.0003 | -0.0002 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--------------------|------------|-----------------|------------|------------|------|---------------|-------|--------------------|-----------|-----------|--|------------|--|-----------------------|-----------|-------------------|------|---------------------|-------|-----------------------|---------|------------|--------|---------------------|---------|
| <u>Previous</u>                                                                                                                                                                                               | <u>Current</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Task ID 1470355923                                                                                                                                                                                            | 1473802365                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Date 08/04/2016                                                                                                                                                                                               | 09/13/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Time 12:12                                                                                                                                                                                                    | 9:32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Product Crude                                                                                                                                                                                                 | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Flowrate 42 bbl/hr                                                                                                                                                                                            | 22 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Totalizer                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Throughput                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Base Density 41.7°API                                                                                                                                                                                         | 41.5 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Avg Pvr Temp 87.7                                                                                                                                                                                             | 83.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Avg Pvr Press 184.0                                                                                                                                                                                           | 139.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                     |         |
| Repeatability 0.044 %                                                                                                                                                                                         | 0.037 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                     |         |
| CMF 1.0006                                                                                                                                                                                                    | 1.0004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                     |         |
| CMF Variance 0.0003                                                                                                                                                                                           | -0.0002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                     |         |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 126.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |                |                    |            |                 |            |            |      |               |       |                    |           |           |  |            |  |                       |           |                   |      |                     |       |                       |         |            |        |                     |         |

| Run     | TEMPERATURE |      | PRESSURE |       | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|-------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm    | N          |                |     |         | bbVhr    |
| 1       | 85.0        | 85.0 | 139.0    | 140.0 | 11896.000  | 1              | Yes | 0.99940 | 22.000   |
| 2       | 84.4        | 84.4 | 139.0    | 140.0 | 11895.000  | 2              | Yes | 0.99946 | 22.000   |
| 3       | 83.2        | 83.2 | 139.0    | 140.0 | 11891.000  | 3              | Yes | 0.99977 | 22.000   |
| 4       | 83.2        | 83.2 | 139.0    | 140.0 | 11891.000  | 4              | Yes | 0.99977 | 22.000   |
| 5       | 83.2        | 83.2 | 139.0    | 140.0 | 11892.000  | 5              | Yes | 0.99969 | 22.000   |
| Average | 83.8        | 83.8 | 139.0    | 140.0 | 11893.0000 |                |     | 0.99962 | 22.000   |

(1) GSVp: BPV \* [CTSp \* CPSP \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00044 | 1.00011 | 0.98779 | 1.00084 | 0.98916 | 1.17532 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11893.0000 | 10000.0000 | 1.18930 | 0.98779 | 1.00085 | 0.98863 | 1.17578 |

(3) Proving Factors:

|                |     |               |        |     |                                                                                                                                          |
|----------------|-----|---------------|--------|-----|------------------------------------------------------------------------------------------------------------------------------------------|
| >>>>           | (1) | GSVp ÷ ISVm = | 0.9996 | MF  | Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found |
|                | (2) | MF * CPL =    | 1.0004 | CMF |                                                                                                                                          |
|                | (3) | 1 ÷ MF =      | 1.0004 | MA  |                                                                                                                                          |
|                | (4) | NKF ÷ MF =    | 10004  | KF  |                                                                                                                                          |
|                | (5) | KF ÷ CPL =    | 9996.0 | CKF |                                                                                                                                          |
| Repeatability: |     | 0.037 %       |        |     |                                                                                                                                          |
| Uncertainty:   |     | 0.020 %       |        |     |                                                                                                                                          |

Technician:

Witness:

PROVEIT

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 PROVEIT PROVEIT 8.7.0.0

09/13/2016 9:35 Page: 1  
 Revision: 1





ID: NECH  
13-232-7w

| Run            | TEMPERATURE  |              | PRESSURE    |             | PULSES<br>N       | Run Accepted ? |     | IMF            | Flowrate<br>bb/Vhr |
|----------------|--------------|--------------|-------------|-------------|-------------------|----------------|-----|----------------|--------------------|
|                | Tp           | Tm           | Pp          | Pm          |                   |                |     |                |                    |
| 1              | 100.1        | 100.1        | 78.0        | 80.0        | 11880.128         | 1              | Yes | 1.00095        | 8.198              |
| 2              | 102.1        | 102.1        | 78.0        | 80.0        | 11881.745         | 2              | Yes | 1.00085        | 8.308              |
| 3              | 102.3        | 102.3        | 78.0        | 80.0        | 11880.457         | 3              | Yes | 1.00096        | 8.234              |
| 4              | 102.3        | 102.3        | 78.0        | 80.0        | 11881.174         | 4              | Yes | 1.00090        | 8.234              |
| 5              | 102.7        | 102.7        | 78.0        | 80.0        | 11880.682         | 5              | Yes | 1.00095        | 8.145              |
| <b>Average</b> | <b>101.9</b> | <b>101.9</b> | <b>78.0</b> | <b>80.0</b> | <b>11880.8372</b> |                |     | <b>1.00092</b> | <b>8.224</b>       |

|            |             |             |             |             |             |             |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>BPV</i> | <i>CTSp</i> | <i>CPSp</i> | <i>CTLp</i> | <i>CPLp</i> | <i>CCFp</i> | <i>GSVp</i> |
| 1.18820    | 1.00078     | 1.00006     | 0.97833     | 1.00051     | 0.97965     | 1.16402     |

| <i>N</i> (avg) | <i>NKF</i> | <i>IVm</i> | <i>CTLm</i> | <i>CPLm</i> | <i>CCFm</i> | <i>ISVm</i> |
|----------------|------------|------------|-------------|-------------|-------------|-------------|
| 11880.8372     | 10000.0000 | 1.18808    | 0.97833     | 1.00052     | 0.97884     | 1.16294     |

```

>>>> (1) GSVp ÷ ISVm = 1.0009 MF
      (2) MF * CPL = 1.0014 CMF
      (3) 1 ÷ MF = 0.9991 MA
      (4) NKF ÷ MF = 9991.0 KF
      (5) KF ÷ CPL = 9986.0 KCF

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|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

**Witness:**

08/04/2016 10:29 Page: 1  
Revision: 1



NEC 4ACU 400  
13-23274  
30-034-31208

| Run            | TEMPERATURE |             | PRESSURE     |              | PULSES            | Run Accepted ? |     | IMF            | Flowrate<br>bb/hrs |
|----------------|-------------|-------------|--------------|--------------|-------------------|----------------|-----|----------------|--------------------|
|                | Tp          | Tm          | Pp           | Pm           | N                 |                |     |                |                    |
| 1              | 98.3        | 98.3        | 110.0        | 112.0        | 11889.173         | 1              | No  | 1.00018        | 12.472             |
| 2              | 98.4        | 98.4        | 110.0        | 112.0        | 11879.872         | 2              | Yes | 1.00096        | 12.531             |
| 3              | 96.0        | 96.0        | 110.0        | 112.0        | 11877.269         | 3              | Yes | 1.00114        | 12.545             |
| 4              | 94.5        | 94.5        | 110.0        | 112.0        | 11879.125         | 4              | Yes | 1.00096        | 12.485             |
| 5              | 93.8        | 93.8        | 110.0        | 112.0        | 11878.225         | 5              | Yes | 1.00102        | 12.512             |
| 6              | 93.0        | 93.0        | 110.0        | 112.0        | 11879.638         | 6              | Yes | 1.00088        | 12.535             |
| <b>Average</b> | <b>95.1</b> | <b>95.1</b> | <b>110.0</b> | <b>112.0</b> | <b>11878.8258</b> |                |     | <b>1.00099</b> | <b>12.522</b>      |

|            |             |             |             |             |             |             |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>BPV</i> | <i>CTSp</i> | <i>CPSp</i> | <i>CTLp</i> | <i>CPLp</i> | <i>CCFp</i> | <i>GSVp</i> |
| 1.18820    | 1.00065     | 1.00009     | 0.98155     | 1.00072     | 0.98298     | 1.16798     |

| <i>N</i> (avg) | <i>NKF</i> | <i>IVm</i> | <i>CTLm</i> | <i>GPLm</i> | <i>CCFm</i> | <i>ISVm</i> |
|----------------|------------|------------|-------------|-------------|-------------|-------------|
| 11878.8258     | 10000.0000 | 1.18768    | 0.98155     | 1.00073     | 0.98227     | 1.16682     |

```

>>>> (1)   GSVp ÷ ISVm =      1.0010   MF
        (2)   MF * CPL =      1.0017   CMF
        (3)   1 ÷ MF =      0.9990   MA
        (4)   NKF ÷ MF =      9990.0   KF
        (5)   KF ÷ CPL =     9983.0   CKE

```

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

**Witness:**

Customer: WPX -  
Operator:  
Location:  
Federal ID:

NE CLAU  
1823-66

| <b>Meter Data</b><br>67412397 WPX 240H<br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 In<br>Serial No. 14516547<br>Model No.        | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 45.2 °API<br>Obs. Temp 101.4 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.5 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                         | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;"><u>Previous</u></th> <th style="text-align: left;"><u>Current</u></th> </tr> <tr> <td>Task ID 1468289618</td> <td>1470341061</td> </tr> <tr> <td>Date 07/11/2016</td> <td>08/04/2016</td> </tr> <tr> <td>Time 14:13</td> <td>8:04</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 42 bbl/hr</td> <td>8 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> </tr> <tr> <td>Base Density 42.4 °API</td> <td>41.5 °API</td> </tr> <tr> <td>Avg Prvr Temp 113.3</td> <td>98.3</td> </tr> <tr> <td>Avg Prvr Press 148.0</td> <td>78.0</td> </tr> <tr> <td>Repeatability 0.003 %</td> <td>0.007 %</td> </tr> <tr> <td>CMF 0.9989</td> <td>0.9997</td> </tr> <tr> <td>CMF Variance -0.0017</td> <td>0.0008</td> </tr> </table> | <u>Previous</u> | <u>Current</u> | Task ID 1468289618 | 1470341061 | Date 07/11/2016 | 08/04/2016 | Time 14:13 | 8:04 | Product Crude | Crude | Flowrate 42 bbl/hr | 8 bbl/hr | Totalizer |  | Throughput |  | Base Density 42.4 °API | 41.5 °API | Avg Prvr Temp 113.3 | 98.3 | Avg Prvr Press 148.0 | 78.0 | Repeatability 0.003 % | 0.007 % | CMF 0.9989 | 0.9997 | CMF Variance -0.0017 | 0.0008 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--------------------|------------|-----------------|------------|------------|------|---------------|-------|--------------------|----------|-----------|--|------------|--|------------------------|-----------|---------------------|------|----------------------|------|-----------------------|---------|------------|--------|----------------------|--------|
| <u>Previous</u>                                                                                                                                                                                                   | <u>Current</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |      |               |       |                    |          |           |  |            |  |                        |           |                     |      |                      |      |                       |         |            |        |                      |        |
| Task ID 1468289618                                                                                                                                                                                                | 1470341061                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |      |               |       |                    |          |           |  |            |  |                        |           |                     |      |                      |      |                       |         |            |        |                      |        |
| Date 07/11/2016                                                                                                                                                                                                   | 08/04/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |      |               |       |                    |          |           |  |            |  |                        |           |                     |      |                      |      |                       |         |            |        |                      |        |
| Time 14:13                                                                                                                                                                                                        | 8:04                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |      |               |       |                    |          |           |  |            |  |                        |           |                     |      |                      |      |                       |         |            |        |                      |        |
| Product Crude                                                                                                                                                                                                     | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |      |               |       |                    |          |           |  |            |  |                        |           |                     |      |                      |      |                       |         |            |        |                      |        |
| Flowrate 42 bbl/hr                                                                                                                                                                                                | 8 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |      |               |       |                    |          |           |  |            |  |                        |           |                     |      |                      |      |                       |         |            |        |                      |        |
| Totalizer                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |      |               |       |                    |          |           |  |            |  |                        |           |                     |      |                      |      |                       |         |            |        |                      |        |
| Throughput                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |      |               |       |                    |          |           |  |            |  |                        |           |                     |      |                      |      |                       |         |            |        |                      |        |
| Base Density 42.4 °API                                                                                                                                                                                            | 41.5 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |      |               |       |                    |          |           |  |            |  |                        |           |                     |      |                      |      |                       |         |            |        |                      |        |
| Avg Prvr Temp 113.3                                                                                                                                                                                               | 98.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |      |               |       |                    |          |           |  |            |  |                        |           |                     |      |                      |      |                       |         |            |        |                      |        |
| Avg Prvr Press 148.0                                                                                                                                                                                              | 78.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |      |               |       |                    |          |           |  |            |  |                        |           |                     |      |                      |      |                       |         |            |        |                      |        |
| Repeatability 0.003 %                                                                                                                                                                                             | 0.007 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |      |               |       |                    |          |           |  |            |  |                        |           |                     |      |                      |      |                       |         |            |        |                      |        |
| CMF 0.9989                                                                                                                                                                                                        | 0.9997                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |      |               |       |                    |          |           |  |            |  |                        |           |                     |      |                      |      |                       |         |            |        |                      |        |
| CMF Variance -0.0017                                                                                                                                                                                              | 0.0008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                |                    |            |                 |            |            |      |               |       |                    |          |           |  |            |  |                        |           |                     |      |                      |      |                       |         |            |        |                      |        |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 In<br>W.T. 0.322 In<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 75.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                |                    |            |                 |            |            |      |               |       |                    |          |           |  |            |  |                        |           |                     |      |                      |      |                       |         |            |        |                      |        |

| Run     | TEMPERATURE |       | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|-------|----------|------|------------|----------------|-----|---------|----------|
|         | TP          | Tm    | Pp       | Pm   | N          |                |     |         | bb/hr    |
| 1       | 97.3        | 97.3  | 78.0     | 80.0 | 11899.777  | 1              | Yes | 0.99925 | 8.298    |
| 2       | 99.6        | 99.6  | 78.0     | 80.0 | 11900.908  | 2              | Yes | 0.99919 | 8.308    |
| 3       | 100.1       | 100.1 | 78.0     | 89.0 | 11899.451  | 3              | Yes | 0.99926 | 8.343    |
| 4       | 97.3        | 97.3  | 78.0     | 80.0 | 11899.984  | 4              | Yes | 0.99923 | 8.311    |
| 5       | 97.3        | 97.3  | 78.0     | 80.0 | 11900.454  | 5              | Yes | 0.99919 | 8.298    |
| Average | 98.3        | 98.3  | 78.0     | 81.8 | 11900.1148 |                |     | 0.99922 | 8.312    |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00071 | 1.00006 | 0.98032 | 1.00050 | 0.98157 | 1.16630 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11900.1148 | 10000.0000 | 1.19001 | 0.98032 | 1.00052 | 0.98083 | 1.16720 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 0.9992 MF  
 (2) MF \* CPL = 0.9997 CMF  
 (3) 1 ÷ MF = 1.0008 MA  
 (4) NKF ÷ MF = 10008 KF  
 (5) KF ÷ CPL = 10003 CKF

Repeatability: 0.007 %  
 Uncertainty: 0.004 %

|                                                                                                                                              |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br><br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician

Witness:

PROVE

18-23-24

| Run            | TEMPERATURE |             | PRESSURE    |             | PULSES<br>N       | Run Accepted ? |     | IMF            | Flowrate<br>bbl/hr |
|----------------|-------------|-------------|-------------|-------------|-------------------|----------------|-----|----------------|--------------------|
|                | Tp          | Tm          | Pp          | Pm          |                   |                |     |                |                    |
| 1              | 94.7        | 94.7        | 97.0        | 98.0        | 11893.177         | 1              | Yes | 0.99979        | 12.493             |
| 2              | 92.8        | 92.8        | 97.0        | 98.0        | 11886.955         | 2              | Yes | 1.00026        | 12.514             |
| 3              | 92.5        | 92.5        | 97.0        | 98.0        | 11891.267         | 3              | Yes | 0.99990        | 12.481             |
| 4              | 91.0        | 91.0        | 97.0        | 98.0        | 11888.357         | 4              | Yes | 1.00011        | 12.508             |
| 5              | 91.8        | 91.8        | 97.0        | 98.0        | 11890.931         | 5              | Yes | 0.99992        | 12.501             |
| <b>Average</b> | <b>92.6</b> | <b>92.6</b> | <b>97.0</b> | <b>98.0</b> | <b>11890.1374</b> |                |     | <b>1.00000</b> | <b>12.499</b>      |

|            |             |             |             |             |             |             |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>BPV</i> | <i>CTSp</i> | <i>CPSp</i> | <i>CTLp</i> | <i>CPLp</i> | <i>CCFp</i> | <i>GSVp</i> |
| 1.18820    | 1.00061     | 1.00008     | 0.98322     | 1.00061     | 0.98450     | 1.16978     |

| <i>N</i> (avg) | <i>NKF</i> | <i>IVm</i> | <i>CTLm</i> | <i>CPLm</i> | <i>CCFm</i> | <i>ISVm</i> |
|----------------|------------|------------|-------------|-------------|-------------|-------------|
| 11890.1374     | 10000.0000 | 1.18901    | 0.98322     | 1.00061     | 0.98382     | 1.16977     |

```
>>>> (1) GSVp ÷ ISVm = 1.0000
      (2) MF * CPL = 1.0006
      (3) 1 ÷ MF = 1.0000
      (4) NKF ÷ MF = 10000.0
      (5) KF ÷ CPL = 9994.0
```

Repeatability: 0.047 %  
Uncertainty: 0.025 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician

**Witness:**

Customer: WPX -

Operator:

Location:

Federal ID:

15-CHAO  
18-234-6W

| Meter Data                                                                                                                                                                                                    | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Proving Data                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67412397 WPX 240H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No. 14516547<br>Model No.                  | <b>Name Crude</b><br>Batch No.<br>Obs. Gravity 45.2 °API<br>Obs. Temp 85.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 43.0 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                              | <b>Previous Current</b><br>Task ID 1473801700 1473801853<br>Date 09/13/2016 09/13/2016<br>Time 9:21 9:24<br>Product Crude Crude<br>Flowrate 41 bbl/hr 8 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 43.0 °API 43.0 °API<br>Avg Pvr Temp 100.8 98.3<br>Avg Pvr Press 128.0 86.0<br>Repeatability 0.030 % 0.043 %<br>CMF 1.0012 1.0010<br>CMF Variance 0.0005 -0.0002 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 78.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0005                                                                                                                                                                                                                                     |

| Run     | TEMPERATURE<br>Tp Tm | PRESSURE<br>Pp Pm | PULSES<br>N | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|----------------------|-------------------|-------------|----------------|---------|--------------------|
| 1       | 98.8 98.8            | 86.0 87.0         | 11882.000   | 1 Yes          | 1.00077 | 8.000              |
| 2       | 98.3 98.3            | 86.0 87.0         | 11883.000   | 2 Yes          | 1.00069 | 8.000              |
| 3       | 97.9 97.9            | 86.0 87.0         | 11886.000   | 3 Yes          | 1.00041 | 8.000              |
| 4       | 98.3 98.3            | 86.0 87.0         | 11887.000   | 4 Yes          | 1.00034 | 8.000              |
| 5       | 98.2 98.2            | 86.0 87.0         | 11885.000   | 5 Yes          | 1.00051 | 8.000              |
| Average | 98.3 98.3            | 86.0 87.0         | 11884.6000  |                | 1.00054 | 8.000              |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00071 | 1.00007 | 0.97997 | 1.00056 | 0.98128 | 1.16596 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11884.6000 | 10000.0000 | 1.18846 | 0.97997 | 1.00057 | 0.98053 | 1.16532 |

(3) Proving Factors:

|               |        |     |                      |
|---------------|--------|-----|----------------------|
| GSVp ÷ ISVm = | 1.0005 | MF  | Trans. Serial No.    |
| MF * CPL =    | 1.0010 | CMF | Flow Calib Factor    |
| 1 ÷ MF =      | 0.9995 | MA  | Density Calib Factor |
| NKF ÷ MF =    | 9995.0 | KF  | Frequency Set Point  |
| KF ÷ CPL =    | 9990.0 | CKF | Flowrate Set Point   |
|               |        |     | Zero Verified        |
|               |        |     | As Found             |
|               |        |     | Zeroed               |
|               |        |     | As Left              |

Repeatability: 0.043 %  
Uncertainty: 0.023 %

Technician:

Witness:

PROVE

Customer: WPX -  
Operator:  
Location:  
Federal ID:

20-232-6W

|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Meter Data</b><br><b>67411556 WPX 206H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No. 14518573<br>Model No.      | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 44.5 °API<br>Obs. Temp 80.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 42.7 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                          | <b>Proving Data</b><br><div style="display: flex; justify-content: space-between;"> <span><i>Previous</i></span> <span><i>Current</i></span> </div> Task ID 1470263102 1470264234<br>Date 08/03/2016 08/03/2016<br>Time 10:25 10:43<br>Product Crude Crude<br>Flowrate 42 bbl/hr 7 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 42.7 °API 42.7 °API<br><br>Avg Prvr Temp 79.6 79.6<br>Avg Prvr Press 85.0 42.0<br>Repeatability 0.008 % 0.018 %<br>CMF 1.0020 1.0009<br>CMF Variance 0.0027 -0.0011 |
| <b>Prover Data</b><br><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/PF<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 42.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0003                                                                                                                                                                                                                                                                                                                                                                    |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 79.6        | 79.6 | 42.0     | 42.0 | 11878.655  | 1              | Yes | 1.00066 | 6.500    |
| 2       | 79.6        | 79.6 | 42.0     | 42.0 | 11879.356  | 2              | Yes | 1.00060 | 6.500    |
| 3       | 79.6        | 79.6 | 42.0     | 42.0 | 11880.923  | 3              | Yes | 1.00048 | 6.500    |
| 4       | 79.6        | 79.6 | 42.0     | 42.0 | 11878.956  | 4              | Yes | 1.00064 | 6.500    |
| 5       | 79.6        | 79.6 | 42.0     | 42.0 | 11879.473  | 5              | Yes | 1.00060 | 6.500    |
| Average | 79.6        | 79.6 | 42.0     | 42.0 | 11879.4726 |                |     | 1.00060 | 6.500    |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00036 | 1.00003 | 0.98981 | 1.00026 | 0.99045 | 1.17685 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11879.4726 | 10000.0000 | 1.18795 | 0.98981 | 1.00026 | 0.99007 | 1.17615 |

(3) Proving Factors:

>>>> (1) GSVp + ISVm = 1.0006 MF  
(2) MF \* CPL = 1.0009 CMF  
(3) 1 ÷ MF = 0.9994 MA  
(4) NKF ÷ MF = 9994.0 KF  
(5) KF + CPL = 9991.0 CKF

Repeatability: 0.018 %  
Uncertainty: 0.010 %

|                                                                                                                                              |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br><br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:

Witness:

PROVE



09/12/2016 9:00 Page: 1  
Revision: 1

Customer: WPX -

Operator:

Location:

Federal ID:

NB 4400

20-23-6W

| Meter Data                       | Product Data                          | Proving Data                                            |
|----------------------------------|---------------------------------------|---------------------------------------------------------|
| 67411113 WPX 208H                | Name Crude                            | <u>Previous</u> <u>Current</u>                          |
| Factor Tracked Composite MF(CMF) | Batch No.                             | Task ID 1476921955 1476922867                           |
| Temp Compensated No              | Obs. Gravity 44.9 °API                | Date 10/19/2016 10/19/2016                              |
| NKF 10000.0000 N/bbl             | Obs. Temp 103.0 °F                    | Time 12:05 12:21                                        |
| Manufacturer Micro Motion        | Obs. Press 0.0 psi                    | Product Crude Crude                                     |
| Size 2.00 in                     | API Table Table A - Crude Oil (2004)  | Flowrate 42 bbl/hr 12 bbl/hr                            |
| Serial No. 14518575              | Base Density 41.1 °API HYC Y          | Totalizer                                               |
| Model No.                        |                                       | Throughput                                              |
|                                  | <b>Tolerances</b>                     | Base Density 41.1 °API 41.1 °API                        |
|                                  | Tolerance Type: Repeatability         |                                                         |
|                                  | Maximum Deviation: 0.050 %            |                                                         |
|                                  | Enabled? Y Passed? Y Min # of Runs: 5 |                                                         |
|                                  | Criteria: 5 out of 5 consecutive runs |                                                         |
|                                  | Avg X Prev Meter Factor Deviation:    | Avg Prvr Temp 90.5 88.2                                 |
|                                  | Enabled? N Passed? Y Prod Dep? N      | Avg Prvr Press 93.0 60.0                                |
|                                  | Prev X Factor Count Sought: 1         | Repeatability 0.033 % 0.048 %                           |
|                                  | Prev X Factor Count Used: 0           | CMF 1.0009 1.0008                                       |
|                                  | Cut Off History? N Cutoff Date:       | CMF Variance 0.0008 -0.0001                             |
|                                  | Prev Meter Factor Deviation: 0.25     |                                                         |
|                                  | Enabled? Y Passed? Y Prod Dep? N      |                                                         |
|                                  | Proving Mode: Volumetric              |                                                         |
|                                  | Density Mode: Manual                  |                                                         |
|                                  | Calc. Method: Avg. Meter Factor       |                                                         |
|                                  | Proving Method: PIU                   |                                                         |
|                                  | Passes Per Run 1                      |                                                         |
|                                  |                                       | <b>Liquid Properties at Metering Conditions for CMF</b> |
|                                  |                                       | Normal Op. Pressure 55.0 psig                           |
|                                  |                                       | Eq. Vapor Pressure 0.0 psig                             |
|                                  |                                       | CPL 1.0003                                              |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 89.4        | 89.4 | 60.0     | 60.0 | 11884.519  | 1              | Yes | 1.00039 | 12.488   |
| 2       | 88.5        | 88.5 | 60.0     | 60.0 | 11886.062  | 2              | Yes | 1.00025 | 12.503   |
| 3       | 87.7        | 87.7 | 60.0     | 60.0 | 11881.615  | 3              | Yes | 1.00061 | 12.496   |
| 4       | 87.7        | 87.7 | 60.0     | 60.0 | 11880.080  | 4              | Yes | 1.00073 | 12.492   |
| 5       | 87.9        | 87.9 | 60.0     | 60.0 | 11881.664  | 5              | Yes | 1.00060 | 12.503   |
| Average | 88.2        | 88.2 | 60.0     | 60.0 | 11882.7880 |                |     | 1.00052 | 12.496   |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00052 | 1.00005 | 0.98560 | 1.00037 | 0.98653 | 1.17219 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11882.7880 | 10000.0000 | 1.18828 | 0.98560 | 1.00037 | 0.98596 | 1.17160 |

(3) Proving Factors:

|      |     |               |        |     |
|------|-----|---------------|--------|-----|
| >>>> | (1) | GSVp ÷ ISVm = | 1.0005 | MF  |
|      | (2) | MF * CPL =    | 1.0008 | CMF |
|      | (3) | 1 ÷ MF =      | 0.9995 | MA  |
|      | (4) | NKF + MF =    | 9995.0 | KF  |
|      | (5) | KF ÷ CPL =    | 9992.0 | CKF |

Repeatability: 0.048 %  
Uncertainty: 0.026 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

PROVE

Customer: WPX -

Operator:

Location:

Federal ID:

NE Chaco 42

26-232-6W

| <b>Meter Data</b><br>67411113 WPX 208H<br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14518575<br>Model No.    | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 45.0 °API<br>Obs. Temp 97.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.7 °API HYC Y | <b>Proving Data</b><br><table border="1"> <thead> <tr> <th></th> <th>Previous</th> <th>Current</th> </tr> </thead> <tbody> <tr> <td>Task ID</td> <td>1473713338</td> <td>1473713509</td> </tr> <tr> <td>Date</td> <td>09/12/2016</td> <td>09/12/2016</td> </tr> <tr> <td>Time</td> <td>8:48</td> <td>8:51</td> </tr> <tr> <td>Product</td> <td>Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate</td> <td>41 bbl/hr</td> <td>10 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> <td></td> </tr> <tr> <td>Base Density</td> <td>41.7 °API</td> <td>41.7 °API</td> </tr> <tr> <td>Avg Prvr Temp</td> <td>97.1</td> <td>93.6</td> </tr> <tr> <td>Avg Prvr Press</td> <td>96.0</td> <td>66.0</td> </tr> <tr> <td>Repeatability</td> <td>0.024 %</td> <td>0.029 %</td> </tr> <tr> <td>CMF</td> <td>1.0001</td> <td>1.0001</td> </tr> <tr> <td>CMF Variance</td> <td>-0.0007</td> <td>0.0000</td> </tr> </tbody> </table> |  | Previous | Current | Task ID | 1473713338 | 1473713509 | Date | 09/12/2016 | 09/12/2016 | Time | 8:48 | 8:51 | Product | Crude | Crude | Flowrate | 41 bbl/hr | 10 bbl/hr | Totalizer |  |  | Throughput |  |  | Base Density | 41.7 °API | 41.7 °API | Avg Prvr Temp | 97.1 | 93.6 | Avg Prvr Press | 96.0 | 66.0 | Repeatability | 0.024 % | 0.029 % | CMF | 1.0001 | 1.0001 | CMF Variance | -0.0007 | 0.0000 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|---------|---------|------------|------------|------|------------|------------|------|------|------|---------|-------|-------|----------|-----------|-----------|-----------|--|--|------------|--|--|--------------|-----------|-----------|---------------|------|------|----------------|------|------|---------------|---------|---------|-----|--------|--------|--------------|---------|--------|
|                                                                                                                                                                                                               | Previous                                                                                                                                                                                    | Current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |               |      |      |                |      |      |               |         |         |     |        |        |              |         |        |
| Task ID                                                                                                                                                                                                       | 1473713338                                                                                                                                                                                  | 1473713509                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |               |      |      |                |      |      |               |         |         |     |        |        |              |         |        |
| Date                                                                                                                                                                                                          | 09/12/2016                                                                                                                                                                                  | 09/12/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |               |      |      |                |      |      |               |         |         |     |        |        |              |         |        |
| Time                                                                                                                                                                                                          | 8:48                                                                                                                                                                                        | 8:51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |               |      |      |                |      |      |               |         |         |     |        |        |              |         |        |
| Product                                                                                                                                                                                                       | Crude                                                                                                                                                                                       | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |               |      |      |                |      |      |               |         |         |     |        |        |              |         |        |
| Flowrate                                                                                                                                                                                                      | 41 bbl/hr                                                                                                                                                                                   | 10 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |               |      |      |                |      |      |               |         |         |     |        |        |              |         |        |
| Totalizer                                                                                                                                                                                                     |                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |               |      |      |                |      |      |               |         |         |     |        |        |              |         |        |
| Throughput                                                                                                                                                                                                    |                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |               |      |      |                |      |      |               |         |         |     |        |        |              |         |        |
| Base Density                                                                                                                                                                                                  | 41.7 °API                                                                                                                                                                                   | 41.7 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |               |      |      |                |      |      |               |         |         |     |        |        |              |         |        |
| Avg Prvr Temp                                                                                                                                                                                                 | 97.1                                                                                                                                                                                        | 93.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |               |      |      |                |      |      |               |         |         |     |        |        |              |         |        |
| Avg Prvr Press                                                                                                                                                                                                | 96.0                                                                                                                                                                                        | 66.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |               |      |      |                |      |      |               |         |         |     |        |        |              |         |        |
| Repeatability                                                                                                                                                                                                 | 0.024 %                                                                                                                                                                                     | 0.029 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |               |      |      |                |      |      |               |         |         |     |        |        |              |         |        |
| CMF                                                                                                                                                                                                           | 1.0001                                                                                                                                                                                      | 1.0001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |               |      |      |                |      |      |               |         |         |     |        |        |              |         |        |
| CMF Variance                                                                                                                                                                                                  | -0.0007                                                                                                                                                                                     | 0.0000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |               |      |      |                |      |      |               |         |         |     |        |        |              |         |        |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |               |      |      |                |      |      |               |         |         |     |        |        |              |         |        |
|                                                                                                                                                                                                               | Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |               |      |      |                |      |      |               |         |         |     |        |        |              |         |        |
|                                                                                                                                                                                                               | Prev Meter Factor Deviation: 0.25<br>Enabled? Y Passed? Y Prod Dep? N                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |               |      |      |                |      |      |               |         |         |     |        |        |              |         |        |
|                                                                                                                                                                                                               | Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1                                                           | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 58.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |          |         |         |            |            |      |            |            |      |      |      |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |               |      |      |                |      |      |               |         |         |     |        |        |              |         |        |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate<br>bbl/hr |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|--------------------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         |                    |
| 1       | 92.5        | 92.5 | 66.0     | 67.0 | 11892.000  | 1              | Yes | 0.99980 | 10.000             |
| 2       | 94.4        | 94.4 | 66.0     | 67.0 | 11896.000  | 2              | Yes | 0.99951 | 10.000             |
| 3       | 94.2        | 94.2 | 66.0     | 67.0 | 11894.000  | 3              | Yes | 0.99968 | 10.000             |
| 4       | 93.7        | 93.7 | 66.0     | 67.0 | 11894.000  | 4              | Yes | 0.99968 | 10.000             |
| 5       | 93.4        | 93.4 | 66.0     | 67.0 | 11893.000  | 5              | Yes | 0.99975 | 10.000             |
| Average | 93.6        | 93.6 | 66.0     | 67.0 | 11893.8000 |                |     | 0.99968 | 10.000             |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$ 

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00062 | 1.00005 | 0.98270 | 1.00042 | 0.98377 | 1.16892 |

(2) ISVm:  $[N(avg) \div NKF = IVm] * [CTLm * CPLm = CCFm]$ 

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11893.8000 | 10000.0000 | 1.18938 | 0.98270 | 1.00042 | 0.98311 | 1.16929 |

(3) Proving Factors:

|      |     |               |        |     |
|------|-----|---------------|--------|-----|
| >>>> | (1) | GSVp ÷ ISVm = | 0.9997 | MF  |
|      | (2) | MF * CPL =    | 1.0001 | CMF |
|      | (3) | 1 ÷ MF =      | 1.0003 | MA  |
|      | (4) | NKF ÷ MF =    | 10003  | KF  |
|      | (5) | KF ÷ CPL =    | 9999.0 | CKF |

 Repeatability: 0.029 %  
 Uncertainty: 0.015 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

PROVEit

Customer: WPX -

Operator:

Location:

Federal ID:

NECHAC  
20-23N-6W

| <b>Meter Data</b><br><b>67411113 WPX 208H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14518575<br>Model No. | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 43.6 °API<br>Obs. Temp 82.4 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.6 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                            | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;">Previous</th> <th style="text-align: left;">Current</th> </tr> <tr> <td>Task ID 1468269358</td> <td>1470253995</td> </tr> <tr> <td>Date 07/11/2016</td> <td>08/03/2016</td> </tr> <tr> <td>Time 8:35</td> <td>7:53</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 42 bbl/hr</td> <td>10 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> </tr> <tr> <td>Base Density 41.4°API</td> <td>41.6 °API</td> </tr> <tr> <td>Avg Prvr Temp 107.0</td> <td>79.4</td> </tr> <tr> <td>Avg Prvr Press 105.0</td> <td>42.0</td> </tr> <tr> <td>Repeatability 0.002 %</td> <td>0.034 %</td> </tr> <tr> <td>CMF 0.9957</td> <td>1.0005</td> </tr> <tr> <td>CMF Variance 0.0046</td> <td>0.0048</td> </tr> </table> | Previous | Current | Task ID 1468269358 | 1470253995 | Date 07/11/2016 | 08/03/2016 | Time 8:35 | 7:53 | Product Crude | Crude | Flowrate 42 bbl/hr | 10 bbl/hr | Totalizer |  | Throughput |  | Base Density 41.4°API | 41.6 °API | Avg Prvr Temp 107.0 | 79.4 | Avg Prvr Press 105.0 | 42.0 | Repeatability 0.002 % | 0.034 % | CMF 0.9957 | 1.0005 | CMF Variance 0.0046 | 0.0048 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|--------------------|------------|-----------------|------------|-----------|------|---------------|-------|--------------------|-----------|-----------|--|------------|--|-----------------------|-----------|---------------------|------|----------------------|------|-----------------------|---------|------------|--------|---------------------|--------|
| Previous                                                                                                                                                                                                          | Current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                     |      |                      |      |                       |         |            |        |                     |        |
| Task ID 1468269358                                                                                                                                                                                                | 1470253995                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                     |      |                      |      |                       |         |            |        |                     |        |
| Date 07/11/2016                                                                                                                                                                                                   | 08/03/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                     |      |                      |      |                       |         |            |        |                     |        |
| Time 8:35                                                                                                                                                                                                         | 7:53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                     |      |                      |      |                       |         |            |        |                     |        |
| Product Crude                                                                                                                                                                                                     | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                     |      |                      |      |                       |         |            |        |                     |        |
| Flowrate 42 bbl/hr                                                                                                                                                                                                | 10 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                     |      |                      |      |                       |         |            |        |                     |        |
| Totalizer                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                     |      |                      |      |                       |         |            |        |                     |        |
| Throughput                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                     |      |                      |      |                       |         |            |        |                     |        |
| Base Density 41.4°API                                                                                                                                                                                             | 41.6 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                     |      |                      |      |                       |         |            |        |                     |        |
| Avg Prvr Temp 107.0                                                                                                                                                                                               | 79.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                     |      |                      |      |                       |         |            |        |                     |        |
| Avg Prvr Press 105.0                                                                                                                                                                                              | 42.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                     |      |                      |      |                       |         |            |        |                     |        |
| Repeatability 0.002 %                                                                                                                                                                                             | 0.034 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                     |      |                      |      |                       |         |            |        |                     |        |
| CMF 0.9957                                                                                                                                                                                                        | 1.0005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                     |      |                      |      |                       |         |            |        |                     |        |
| CMF Variance 0.0046                                                                                                                                                                                               | 0.0048                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                     |      |                      |      |                       |         |            |        |                     |        |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation: 0.25<br>Enabled? Y Passed? N Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 40.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                       |           |                     |      |                      |      |                       |         |            |        |                     |        |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bb/hr    |
| 1       | 78.9        | 78.9 | 42.0     | 42.0 | 11884.677  | 1              | Yes | 1.00014 | 10.392   |
| 2       | 79.5        | 79.5 | 42.0     | 42.0 | 11881.448  | 2              | Yes | 1.00043 | 10.411   |
| 3       | 79.1        | 79.1 | 42.0     | 42.0 | 11880.908  | 3              | Yes | 1.00048 | 10.412   |
| 4       | 79.8        | 79.8 | 42.0     | 42.0 | 11882.891  | 4              | Yes | 1.00032 | 10.406   |
| 5       | 79.4        | 79.4 | 42.0     | 42.0 | 11882.481  | 5              | Yes | 1.00035 | 10.405   |
| Average | 79.4        | 79.4 | 42.0     | 42.0 | 11882.4810 |                |     | 1.00034 | 10.405   |

(1) GSVp: BPV \* [CTSp \* CPSP \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00036 | 1.00003 | 0.99005 | 1.00025 | 0.99068 | 1.17713 |

Status

Failed - Prior deviation outside defined max.

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11882.4810 | 10000.0000 | 1.18825 | 0.99005 | 1.00025 | 0.99030 | 1.17672 |

(3) Proving Factors:

|          |               |        |     |
|----------|---------------|--------|-----|
| >>>> (1) | GSVp ÷ ISVm = | 1.0003 | MF  |
| (2)      | MF * CPL =    | 1.0005 | CMF |
| (3)      | 1 ÷ MF =      | 0.9997 | MA  |
| (4)      | NKF ÷ MF =    | 9997.0 | KF  |
| (5)      | KF ÷ CPL =    | 9995.0 | CKF |

 Repeatability: 0.034 %  
 Uncertainty: 0.018 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

PROVE

Customer: WPX -  
Operator:  
Location:  
Federal ID:

| <b>Meter Data</b><br><b>67411557 WPX 191H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No. 14518579<br>Model No.  | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 44.7 °API<br>Obs. Temp 104.2 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.8 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                         | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;"><u>Previous</u></th> <th style="text-align: left;"><u>Current</u></th> </tr> <tr> <td>Task ID 1468280020</td> <td>1470270582</td> </tr> <tr> <td>Date 07/11/2016</td> <td>08/03/2016</td> </tr> <tr> <td>Time 11:33</td> <td>12:29</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 42 bbl/hr</td> <td>6 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> </tr> <tr> <td>Base Density 40.3°API</td> <td>40.8 °API</td> </tr> <tr> <td>Avg Pvr Temp 110.0</td> <td>98.8</td> </tr> <tr> <td>Avg Pvr Press 120.0</td> <td>55.0</td> </tr> <tr> <td>Repeatability 0.008 %</td> <td>0.043 %</td> </tr> <tr> <td>CMF 0.9975</td> <td>0.9998</td> </tr> <tr> <td>CMF Variance 0.0043</td> <td>0.0023</td> </tr> </table> | <u>Previous</u> | <u>Current</u> | Task ID 1468280020 | 1470270582 | Date 07/11/2016 | 08/03/2016 | Time 11:33 | 12:29 | Product Crude | Crude | Flowrate 42 bbl/hr | 6 bbl/hr | Totalizer |  | Throughput |  | Base Density 40.3°API | 40.8 °API | Avg Pvr Temp 110.0 | 98.8 | Avg Pvr Press 120.0 | 55.0 | Repeatability 0.008 % | 0.043 % | CMF 0.9975 | 0.9998 | CMF Variance 0.0043 | 0.0023 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--------------------|------------|-----------------|------------|------------|-------|---------------|-------|--------------------|----------|-----------|--|------------|--|-----------------------|-----------|--------------------|------|---------------------|------|-----------------------|---------|------------|--------|---------------------|--------|
| <u>Previous</u>                                                                                                                                                                                                    | <u>Current</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Task ID 1468280020                                                                                                                                                                                                 | 1470270582                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Date 07/11/2016                                                                                                                                                                                                    | 08/03/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Time 11:33                                                                                                                                                                                                         | 12:29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Product Crude                                                                                                                                                                                                      | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Flowrate 42 bbl/hr                                                                                                                                                                                                 | 6 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Totalizer                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Throughput                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Base Density 40.3°API                                                                                                                                                                                              | 40.8 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Avg Pvr Temp 110.0                                                                                                                                                                                                 | 98.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Avg Pvr Press 120.0                                                                                                                                                                                                | 55.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Repeatability 0.008 %                                                                                                                                                                                              | 0.043 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| CMF 0.9975                                                                                                                                                                                                         | 0.9998                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| CMF Variance 0.0043                                                                                                                                                                                                | 0.0023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/PF<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 46.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |                |                    |            |                 |            |            |       |               |       |                    |          |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate<br>bbl/hr |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|--------------------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         |                    |
| 1       | 98.6        | 98.6 | 55.0     | 55.0 | 11900.292  | 1              | No  | 0.99924 | 6.219              |
| 2       | 99.1        | 99.1 | 55.0     | 55.0 | 11893.398  | 2              | Yes | 0.99983 | 6.252              |
| 3       | 98.7        | 98.7 | 55.0     | 55.0 | 11897.567  | 3              | Yes | 0.99946 | 6.200              |
| 4       | 98.7        | 98.7 | 55.0     | 55.0 | 11898.264  | 4              | Yes | 0.99940 | 6.200              |
| 5       | 98.7        | 98.7 | 55.0     | 55.0 | 11897.934  | 5              | Yes | 0.99943 | 6.200              |
| 6       | 98.7        | 98.7 | 55.0     | 55.0 | 11897.265  | 6              | Yes | 0.99949 | 6.200              |
| Average | 98.8        | 98.8 | 55.0     | 55.0 | 11896.8856 |                |     | 0.99952 | 6.210              |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00072 | 1.00005 | 0.98022 | 1.00035 | 0.98132 | 1.16600 |

(2) ISVm:  $[N(avg) \div NKF = IVm] * [CTLm * CPLm = CCFm]$

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11896.8856 | 10000.0000 | 1.18969 | 0.98022 | 1.00035 | 0.98056 | 1.16656 |

(3) Proving Factors:

|                |                   |        |     |                      |
|----------------|-------------------|--------|-----|----------------------|
| >>>>           | (1) GSVp ÷ ISVm = | 0.9995 | MF  | Trans. Serial No.    |
|                | (2) MF * CPL =    | 0.9998 | CMF | Flow Calib Factor    |
|                | (3) 1 ÷ MF =      | 1.0005 | MA  | Density Calib Factor |
|                | (4) NKF ÷ MF =    | 10005  | KF  | Frequency Set Point  |
|                | (5) KF ÷ CPL =    | 10002  | CKF | Flowrate Set Point   |
| Repeatability: | 0.043 %           |        |     | Zero Verified        |
| Uncertainty:   | 0.024 %           |        |     | As Found             |

Technician

Witness:

PROVE

Customer: WPX -

Operator:

Location:

Federal ID:

19-202-6W

| Meter Data                                                                                                                                                                                                                                                                        | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Proving Data                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67411557 WPX 191H</b><br><b>Factor Tracked Composite MF(CMF)</b><br><b>Temp Compensated No</b><br><b>NKF 10000.0000 N/bbl</b><br><b>Manufacturer Micro Motion</b><br><b>Size 1.00 in</b><br><b>Serial No. 14518579</b><br><b>Model No.</b>                                     | <b>Name Crude</b><br><b>Batch No.</b><br><b>Obs. Gravity 38.9 °API</b><br><b>Obs. Temp 76.5 °F</b><br><b>Obs. Press 0.0 psi</b><br><b>API Table Table A - Crude Oil (2004)</b><br><b>Base Density 37.6 °API</b> <b>HYC Y</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Previous</b> <b>Current</b><br><b>Task ID 1476917027 1476917949</b><br><b>Date 10/19/2016 10/19/2016</b><br><b>Time 10:43 10:59</b><br><b>Product Crude Crude</b><br><b>Flowrate 42 bbl/hr 13 bbl/hr</b><br><b>Totalizer</b><br><b>Throughput</b><br><b>Base Density 37.6 °API 37.6 °API</b> |
| <b>Prover Data</b><br><b>BPV 1.18820 bbl</b><br><b>I.D. 7.981 in</b><br><b>W.T. 0.322 in</b><br><b>Manufacturer DOMINION</b><br><b>Type Displacement-Sphere</b><br><b>Serial No. 23MM</b><br><b>Elasticity 3.0E7 1/psi</b><br><b>Pipe Gc 1.86E-5 1/°F</b><br><br><b>Certified</b> | <b>Tolerances</b><br><b>Tolerance Type: Repeatability</b><br><b>Maximum Deviation: 0.050 %</b><br><b>Enabled? Y Passed? Y Min # of Runs: 5</b><br><b>Criteria: 5 out of 5 consecutive runs</b><br><br><b>Avg X Prev Meter Factor Deviation:</b><br><b>Enabled? N Passed? Y Prod Dep? N</b><br><b>Prev X Factor Count Sought: 1</b><br><b>Prev X Factor Count Used: 0</b><br><b>Cut Off History? N Cutoff Date:</b><br><br><b>Prev Meter Factor Deviation:</b><br><b>Enabled? N Passed? Y Prod Dep? N</b><br><br><b>Proving Mode: Volumetric</b><br><b>Density Mode: Manual</b><br><b>Calc. Method: Avg. Meter Factor</b><br><b>Proving Method: PIU</b><br><b>Passes Per Run 1</b> | <b>Avg Pvr Temp 75.9 73.7</b><br><b>Avg Pvr Press 107.0 76.0</b><br><b>Repeatability 0.042 % 0.014 %</b><br><b>CMF 1.0012 1.0011</b><br><b>CMF Variance -0.0005 -0.0001</b>                                                                                                                     |
|                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Liquid Properties at Metering Conditions for CMF</b><br><b>Normal Op. Pressure 70.0 psig</b><br><b>Eq. Vapor Pressure 0.0 psig</b><br><b>CPL 1.0004</b>                                                                                                                                      |

| Run     | TEMPERATURE | PRESSURE  | PULSES     | Run Accepted ? | IMF     | Flowrate |
|---------|-------------|-----------|------------|----------------|---------|----------|
|         | Tp Tm       | Pp Pm     | N          |                |         | bbl/hr   |
| 1       | 74.6 74.6   | 76.0 76.0 | 11877.871  | 1 Yes          | 1.00067 | 12.486   |
| 2       | 73.8 73.8   | 76.0 76.0 | 11876.298  | 2 Yes          | 1.00081 | 12.549   |
| 3       | 73.5 73.5   | 76.0 76.0 | 11877.336  | 3 Yes          | 1.00071 | 12.512   |
| 4       | 73.4 73.4   | 76.0 76.0 | 11876.950  | 4 Yes          | 1.00073 | 12.504   |
| 5       | 73.2 73.2   | 76.0 76.0 | 11876.658  | 5 Yes          | 1.00075 | 12.484   |
| Average | 73.7 73.7   | 76.0 76.0 | 11877.0226 |                | 1.00073 | 12.507   |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$ 

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00025 | 1.00006 | 0.99330 | 1.00042 | 0.99403 | 1.18111 |

(2) ISVm:  $[N(avg) \div NKF = IVm] * [CTLm * CPLm = CCFm]$ 

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11877.0226 | 10000.0000 | 1.18770 | 0.99330 | 1.00042 | 0.99372 | 1.18024 |

(3) Proving Factors:

>>>> (1)  $GSVp \div ISVm = 1.0007$  MF  
 (2)  $MF * CPL = 1.0011$  CMF  
 (3)  $1 + MF = 0.9993$  MA  
 (4)  $NKF \div MF = 9993.0$  KF  
 (5)  $KF \div CPL = 9989.0$  CKF

Repeatability: 0.014 %  
 Uncertainty: 0.007 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

PROVEit

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 PROVEit PROVEit 8.7.0.0

 10/19/2016 11:40 Page: 1  
 Revision: 1

Customer: WPX -

Operator:

Location:

Federal ID:

25 Chs  
1923260

| Meter Data                                                                                                                                                                                                    | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Proving Data                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67411557 WPX 191H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No. 14518579<br>Model No.                  | <b>Name Crude</b><br>Batch No.<br>Obs. Gravity 42.8 °API<br>Obs. Temp 82.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.9 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                              | <b>Previous Current</b><br>Task ID 1473714085 1473714207<br>Date 09/12/2016 09/12/2016<br>Time 9:01 9:03<br>Product Crude Crude<br>Flowrate 41 bbl/hr 8 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 40.9 °API 40.9 °API<br>Avg Pvr Temp 83.0 84.0<br>Avg Pvr Press 109.0 77.0<br>Repeatability 0.010 % 0.034 %<br>CMF 1.0009 1.0017<br>CMF Variance 0.0003 0.0008 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 70.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0004                                                                                                                                                                                                                                   |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 83.9        | 83.9 | 77.0     | 78.0 | 11873.000  | 1              | Yes | 1.00125 | 8.000    |
| 2       | 84.0        | 84.0 | 77.0     | 78.0 | 11871.000  | 2              | Yes | 1.00143 | 8.000    |
| 3       | 84.0        | 84.0 | 77.0     | 78.0 | 11874.000  | 3              | Yes | 1.00118 | 8.000    |
| 4       | 84.0        | 84.0 | 77.0     | 78.0 | 11870.000  | 4              | Yes | 1.00152 | 8.000    |
| 5       | 84.0        | 84.0 | 77.0     | 78.0 | 11873.000  | 5              | Yes | 1.00126 | 8.000    |
| Average | 84.0        | 84.0 | 77.0     | 78.0 | 11872.2000 |                |     | 1.00133 | 8.000    |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$ 

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00045 | 1.00006 | 0.98778 | 1.00046 | 0.98874 | 1.17482 |

(2) ISVm:  $[N(avg) \div NKF \div IVm] * [CTLm * CPLm = CCFm]$ 

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11872.2000 | 10000.0000 | 1.18722 | 0.98778 | 1.00047 | 0.98824 | 1.17326 |

(3) Proving Factors:

|      |     |               |        |     |
|------|-----|---------------|--------|-----|
| >>>> | (1) | GSVp ÷ ISVm = | 1.0013 | MF  |
|      | (2) | MF * CPL =    | 1.0017 | CMF |
|      | (3) | 1 ÷ MF =      | 0.9987 | MA  |
|      | (4) | NKF ÷ MF =    | 9987.0 | KF  |
|      | (5) | KF ÷ CPL =    | 9983.0 | CKF |

 Repeatability: 0.034 %  
 Uncertainty: 0.018 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

PROVE

Customer: WPX -  
Operator:  
Location:  
Federal ID:

|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Meter Data</b><br><b>67411711 WPX 188H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No. 14517638<br>Model No.      | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 43.0 °API<br>Obs. Temp 89.7 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.4 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                          | <b>Proving Data</b><br><div style="display: flex; justify-content: space-between;"> <span>Previous</span> <span>Current</span> </div> Task ID 1468284286 1470275727<br>Date 07/11/2016 08/03/2016<br>Time 12:44 13:55<br>Product Crude Crude<br>Flowrate 42 bbl/hr 8 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 38.6°API 40.4 °API<br><br>Avg Prvr Temp 109.4 91.3<br>Avg Prvr Press 144.0 80.0<br>Repeatability 0.006 % 0.020 %<br>CMF 0.9984 1.0019<br>CMF Variance -0.0025 0.0035 |
| <b>Prover Data</b><br><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/°F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 74.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0005                                                                                                                                                                                                                                                                                                                                                       |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|-------------|------|----------|------|------------|----------------|---------|--------------------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |         |                    |
| 1       | 93.6        | 93.6 | 80.0     | 83.0 | 11871.963  | 1 Yes          | 1.00152 | 8.341              |
| 2       | 91.1        | 91.1 | 80.0     | 83.0 | 11873.780  | 2 Yes          | 1.00132 | 8.339              |
| 3       | 89.2        | 89.2 | 80.0     | 83.0 | 11872.195  | 3 Yes          | 1.00142 | 8.339              |
| 4       | 91.3        | 91.3 | 80.0     | 83.0 | 11872.455  | 4 Yes          | 1.00144 | 8.452              |
| 5       | 91.3        | 91.3 | 80.0     | 83.0 | 11872.598  | 5 Yes          | 1.00143 | 8.368              |
| Average | 91.3        | 91.3 | 80.0     | 83.0 | 11872.5982 |                | 1.00143 | 8.368              |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00058 | 1.00007 | 0.98414 | 1.00049 | 0.98526 | 1.17069 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11872.5982 | 10000.0000 | 1.18726 | 0.98414 | 1.00051 | 0.98464 | 1.16902 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0014 MF  
(2) MF \* CPL = 1.0019 CMF  
(3) 1 ÷ MF = 0.9986 MA  
(4) NKF ÷ MF = 9986.0 KF  
(5) KF ÷ CPL = 9981.0 CKF

Repeatability: 0.020 %  
Uncertainty: 0.011 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician

Witness:

PROVE



Customer: WPX -  
Operator:  
Location:  
Federal ID:

W6 CHAC  
19 232-62

| Meter Data                                                                                                                                                                                                     | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Proving Data                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67411711 WPX 188H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 1.00 in<br>Serial No. 14517638<br>Model No.                   | Name Crude<br>Batch No.<br>Obs. Gravity 43.5 °API<br>Obs. Temp 91.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.8 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                  | Previous Current<br>Task ID 1476912298 1476913699<br>Date 10/19/2016 10/19/2016<br>Time 9:24 9:48<br>Product Crude Crude<br>Flowrate 42 bbl/hr 13 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 40.8 °API 40.8 °API<br>Avg Prvr Temp 89.1 88.1<br>Avg Prvr Press 124.0 99.0<br>Repeatability 0.032 % 0.034 %<br>CMF 1.0022 1.0019<br>CMF Variance 0.0000 -0.0003 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/°F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 82.0 psig<br>Eq. Vapor Pressure psig<br>CPL 1.0005                                                                                                                                                                                                                                    |

| Run     | TEMPERATURE<br>Tp Tm | PRESSURE<br>Pp Pm | PULSES<br>N | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|----------------------|-------------------|-------------|----------------|---------|--------------------|
| 1       | 86.2 86.2            | 99.0 112.0        | 11868.874   | 1 Yes          | 1.00160 | 12.497             |
| 2       | 88.4 88.4            | 99.0 112.0        | 11873.253   | 2 Yes          | 1.00126 | 12.513             |
| 3       | 88.9 88.9            | 99.0 112.0        | 11871.083   | 3 Yes          | 1.00146 | 12.524             |
| 4       | 88.9 88.9            | 99.0 112.0        | 11872.495   | 4 Yes          | 1.00134 | 12.499             |
| 5       | 88.3 88.3            | 99.0 112.0        | 11869.895   | 5 Yes          | 1.00155 | 12.522             |
| Average | 88.1 88.1            | 99.0 112.0        | 11871.1200  |                | 1.00144 | 12.511             |

(1) GSVp:  $BPV * [CTSp * CPSP * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00052 | 1.00008 | 0.98570 | 1.00060 | 0.98688 | 1.17261 |

(2) ISVm:  $[N(avg) \div NKF = IVm] * [CTLm * CPLm = CCFm]$

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11871.1200 | 10000.0000 | 1.18711 | 0.98570 | 1.00068 | 0.98637 | 1.17093 |

(3) Proving Factors:

>>>> (1) GSVp + ISVm = 1.0014 MF  
 (2) MF \* CPL = 1.0019 CMF  
 (3) 1 + MF = 0.9986 MA  
 (4) NKF + MF = 9986.0 KF  
 (5) KF + CPL = 9981.0 CKF

Repeatability: 0.034 %  
 Uncertainty: 0.018 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

PROVEIT

NE CHAC 0

14-23 N 6W

| Meter Data                       |  | Product Data                          |  | Proving Data                   |                       |
|----------------------------------|--|---------------------------------------|--|--------------------------------|-----------------------|
| 67411711 WPX 188H                |  | Name Crude                            |  | <u>Previous</u> <u>Current</u> |                       |
| Factor Tracked Composite MF(CMF) |  | Batch No.                             |  | Task ID                        | 1473714403 1473714540 |
| Temp Compensated No              |  | Obs. Gravity 43.5 °API                |  | Date                           | 09/12/2016 09/12/2016 |
| NKF 10000.0000 N/bbl             |  | Obs. Temp 96.0 °F                     |  | Time                           | 9:06 9:09             |
| Manufacturer Micro Motion        |  | Obs. Press 0.0 psi                    |  | Product                        | Crude Crude           |
| Size 1.00 in                     |  | API Table Table A - Crude Oil (2004)  |  | Flowrate                       | 31 bbl/hr 8 bbl/hr    |
| Serial No. 14517638              |  | Base Density 40.4 °API HYC Y          |  | Totalizer                      |                       |
| Model No.                        |  |                                       |  | Throughput                     |                       |
| Prover Data                      |  | Tolerances                            |  | Base Density                   | 40.4 °API 40.4 °API   |
| BPV 1.18820 bbl                  |  | Tolerance Type: Repeatability         |  | Avg Prvr Temp                  | 93.4 96.9             |
| I.D. 7.981 in                    |  | Maximum Deviation: 0.050 %            |  | Avg Prvr Press                 | 110.0 88.0            |
| W.T. 0.322 in                    |  | Enabled? Y Passed? Y Min # of Runs: 5 |  | Repeatability                  | 0.025 % 0.042 %       |
| Manufacturer DOMINION            |  | Criteria: 5 out of 5 consecutive runs |  | CMF                            | 1.0020 1.0022         |
| Type Displacement-Sphere         |  | Avg X Prev Meter Factor Deviation:    |  | CMF Variance                   | 0.0005 0.0002         |
| Serial No. 23MM                  |  | Enabled? N Passed? Y Prod Dep? N      |  |                                |                       |
| Elasticity 3.0E7 1/psi           |  | Prev X Factor Count Sought: 1         |  |                                |                       |
| Pipe Gc 1.86E-5 1°F              |  | Prev X Factor Count Used: 0           |  |                                |                       |
| Certified                        |  | Cut Off History? N Cutoff Date:       |  |                                |                       |
|                                  |  | Prev Meter Factor Deviation:          |  |                                |                       |
|                                  |  | Enabled? N Passed? Y Prod Dep? N      |  |                                |                       |
|                                  |  | Proving Mode: Volumetric              |  | Liquid Properties at Metering  |                       |
|                                  |  | Density Mode: Manual                  |  | Conditions for CMF             |                       |
|                                  |  | Calc. Method: Avg. Meter Factor       |  | Normal Op. Pressure 72.0 psig  |                       |
|                                  |  | Proving Method: Manual                |  | Eq. Vapor Pressure 0.0 psig    |                       |
|                                  |  | Passes Per Run 1                      |  | CPL 1.0004                     |                       |

| Run            | TEMPERATURE |             | PRESSURE    |             | PULSES            | Run Accepted ? | IMF            | Flowrate<br>bb/hr |
|----------------|-------------|-------------|-------------|-------------|-------------------|----------------|----------------|-------------------|
|                | Tp          | Tm          | Pp          | Pm          | N                 |                |                |                   |
| 1              | 96.5        | 96.5        | 88.0        | 88.0        | 11871.000         | 1 Yes          | 1.00168        | 8.000             |
| 2              | 96.7        | 96.7        | 88.0        | 88.0        | 11866.000         | 2 Yes          | 1.00210        | 8.000             |
| 3              | 96.1        | 96.1        | 88.0        | 88.0        | 11870.000         | 3 Yes          | 1.00175        | 8.000             |
| 4              | 97.0        | 97.0        | 88.0        | 88.0        | 11869.000         | 4 Yes          | 1.00186        | 8.000             |
| 5              | 98.0        | 98.0        | 88.0        | 88.0        | 11871.000         | 5 Yes          | 1.00171        | 8.000             |
| <b>Average</b> | <b>96.9</b> | <b>96.9</b> | <b>88.0</b> | <b>88.0</b> | <b>11869.4000</b> |                | <b>1.00182</b> | <b>8.000</b>      |

(1) GSV<sub>p</sub>: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|            |             |             |             |             |             |             |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>BPV</i> | <i>CTSp</i> | <i>CPSp</i> | <i>CTLp</i> | <i>CPLp</i> | <i>CCFp</i> | <i>GSVp</i> |
| 1.18820    | 1.00069     | 1.00007     | 0.98128     | 1.00055     | 0.98257     | 1.16749     |

(2) ISVm:  $[N(\text{avg}) \div NKF = IVm] * [CTLm * CPLm = CCFm]$

| <i>N</i> (avg) | <i>NKF</i> | <i>IVm</i> | <i>CTLm</i> | <i>CPLm</i> | <i>CCFm</i> | <i>ISVm</i> |
|----------------|------------|------------|-------------|-------------|-------------|-------------|
| 11869.4000     | 10000.0000 | 1.18694    | 0.98128     | 1.00055     | 0.98182     | 1.16536     |

**(3) Proving Factors:**

```

>>>> (1) GSVp ÷ ISVm = 1.0018 MF
      (2) MF * CPL = 1.0022 CMF
      (3) 1 ÷ MF = 0.9982 MA
      (4) NKF ÷ MF = 9982.0 KF
      (5) KF ÷ CPL = 9978.0 CKF

```

Repeatability: 0.042 %  
Uncertainty: 0.022 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

**Witness:**

PROVE

Copyright 2009, Flow-Cal, Inc.  
PROVEit PROVEit 8.7.0.0

09/12/2016 9:10 Page: 1  
Revision: 1

Customer: WPX -  
Operator:  
Location: 342 - Lact  
Federal ID:

| <b>Meter Data</b><br>WPX342 WPX South Chaco 342 Sales<br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 In<br>Serial No. 14490120<br>Model No. | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 41.6 °API<br>Obs. Temp 45.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 42.9 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                       | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;">Previous</th> <th style="text-align: left;">Current</th> </tr> <tr> <td>Task ID 1478116943</td> <td>1478821131</td> </tr> <tr> <td>Date 11/02/2016</td> <td>11/10/2016</td> </tr> <tr> <td>Time 8:02</td> <td>10:38</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 115 bbl/hr</td> <td>115 bbl/hr</td> </tr> <tr> <td>Totalizer 138513</td> <td>145662</td> </tr> <tr> <td>Throughput 8009</td> <td>7149</td> </tr> <tr> <td>Base Density 40.8 °API</td> <td>42.9 °API</td> </tr> <tr> <td>Avg Pvr Temp 84.9</td> <td>64.7</td> </tr> <tr> <td>Avg Pvr Press 22.0</td> <td>10.0</td> </tr> <tr> <td>Repeatability 0.022 %</td> <td>0.036 %</td> </tr> <tr> <td>CMF 1.0012</td> <td>1.0022</td> </tr> <tr> <td>CMF Variance -0.0004</td> <td>0.0010</td> </tr> </table> | Previous | Current | Task ID 1478116943 | 1478821131 | Date 11/02/2016 | 11/10/2016 | Time 8:02 | 10:38 | Product Crude | Crude | Flowrate 115 bbl/hr | 115 bbl/hr | Totalizer 138513 | 145662 | Throughput 8009 | 7149 | Base Density 40.8 °API | 42.9 °API | Avg Pvr Temp 84.9 | 64.7 | Avg Pvr Press 22.0 | 10.0 | Repeatability 0.022 % | 0.036 % | CMF 1.0012 | 1.0022 | CMF Variance -0.0004 | 0.0010 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|--------------------|------------|-----------------|------------|-----------|-------|---------------|-------|---------------------|------------|------------------|--------|-----------------|------|------------------------|-----------|-------------------|------|--------------------|------|-----------------------|---------|------------|--------|----------------------|--------|
| Previous                                                                                                                                                                                                                  | Current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |         |                    |            |                 |            |           |       |               |       |                     |            |                  |        |                 |      |                        |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Task ID 1478116943                                                                                                                                                                                                        | 1478821131                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |         |                    |            |                 |            |           |       |               |       |                     |            |                  |        |                 |      |                        |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Date 11/02/2016                                                                                                                                                                                                           | 11/10/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |         |                    |            |                 |            |           |       |               |       |                     |            |                  |        |                 |      |                        |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Time 8:02                                                                                                                                                                                                                 | 10:38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |         |                    |            |                 |            |           |       |               |       |                     |            |                  |        |                 |      |                        |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Product Crude                                                                                                                                                                                                             | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |         |                    |            |                 |            |           |       |               |       |                     |            |                  |        |                 |      |                        |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Flowrate 115 bbl/hr                                                                                                                                                                                                       | 115 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |         |                    |            |                 |            |           |       |               |       |                     |            |                  |        |                 |      |                        |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Totalizer 138513                                                                                                                                                                                                          | 145662                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |         |                    |            |                 |            |           |       |               |       |                     |            |                  |        |                 |      |                        |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Throughput 8009                                                                                                                                                                                                           | 7149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |         |                    |            |                 |            |           |       |               |       |                     |            |                  |        |                 |      |                        |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Base Density 40.8 °API                                                                                                                                                                                                    | 42.9 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |         |                    |            |                 |            |           |       |               |       |                     |            |                  |        |                 |      |                        |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Avg Pvr Temp 84.9                                                                                                                                                                                                         | 64.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |         |                    |            |                 |            |           |       |               |       |                     |            |                  |        |                 |      |                        |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Avg Pvr Press 22.0                                                                                                                                                                                                        | 10.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |         |                    |            |                 |            |           |       |               |       |                     |            |                  |        |                 |      |                        |           |                   |      |                    |      |                       |         |            |        |                      |        |
| Repeatability 0.022 %                                                                                                                                                                                                     | 0.036 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |         |                    |            |                 |            |           |       |               |       |                     |            |                  |        |                 |      |                        |           |                   |      |                    |      |                       |         |            |        |                      |        |
| CMF 1.0012                                                                                                                                                                                                                | 1.0022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |         |                    |            |                 |            |           |       |               |       |                     |            |                  |        |                 |      |                        |           |                   |      |                    |      |                       |         |            |        |                      |        |
| CMF Variance -0.0004                                                                                                                                                                                                      | 0.0010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |         |                    |            |                 |            |           |       |               |       |                     |            |                  |        |                 |      |                        |           |                   |      |                    |      |                       |         |            |        |                      |        |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 In<br>W.T. 0.322 In<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/°F<br><br>Certified        | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 24.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |           |       |               |       |                     |            |                  |        |                 |      |                        |           |                   |      |                    |      |                       |         |            |        |                      |        |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 63.8        | 63.8 | 10.0     | 24.0 | 11856.804  | 1              | Yes | 1.00213 | 114.857  |
| 2       | 65.4        | 65.4 | 10.0     | 24.0 | 11857.315  | 2              | Yes | 1.00211 | 114.809  |
| 3       | 64.8        | 64.8 | 10.0     | 24.0 | 11860.121  | 3              | Yes | 1.00187 | 114.773  |
| 4       | 65.1        | 65.1 | 10.0     | 24.0 | 11855.776  | 4              | Yes | 1.00223 | 114.798  |
| 5       | 64.5        | 64.5 | 10.0     | 24.0 | 11857.548  | 5              | Yes | 1.00208 | 114.818  |
| Average | 64.7        | 64.7 | 10.0     | 24.0 | 11857.5128 |                |     | 1.00208 | 114.811  |

(1) GSVp:  $BPV * [CTSp * CPSP * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00009 | 1.00001 | 0.99756 | 1.00006 | 0.99772 | 1.18549 |

(2) ISVm:  $[N(avg) + NKF = IVm] * [CTLm * CPLm = CCFm]$

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11857.5128 | 10000.0000 | 1.18575 | 0.99756 | 1.00014 | 0.99770 | 1.18302 |

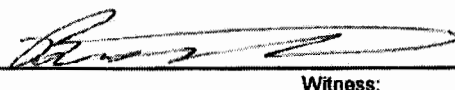
(3) Proving Factors:

>>>> (1) GSVp + ISVm = 1.0021 MF  
 (2) MF \* CPL = 1.0022 CMF  
 (3) 1 + MF = 0.9979 MA  
 (4) NKF + MF = 9979.0 KF  
 (5) KF + CPL = 9978.0 CKF

Repeatability: 0.036 %  
 Uncertainty: 0.019 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

  
 Technician

  
 Witness:



Customer: WPX -  
Operator:  
Location: 342 - Lact  
Federal ID:

| <b>Meter Data</b><br><b>WPX342 WPX South Chaco 342 Sales</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 In<br>Serial No. 14490120<br>Model No. | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 42.3 °API<br>Obs. Temp 56.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 42.7 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                       | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;">Previous</th> <th style="text-align: left;">Current</th> </tr> <tr> <td>Task ID 1483663668</td> <td>1486068532</td> </tr> <tr> <td>Date 01/04/2017</td> <td>02/02/2017</td> </tr> <tr> <td>Time 8:01</td> <td>7:48</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 115 bbl/hr</td> <td>115 bbl/hr</td> </tr> <tr> <td>Totalizer 153067</td> <td>160525</td> </tr> <tr> <td>Throughput 7405</td> <td>7458</td> </tr> <tr> <td>Base Density 42.3 °API</td> <td>42.7 °API</td> </tr> </table> | Previous           | Current | Task ID 1483663668  | 1486068532 | Date 01/04/2017       | 02/02/2017 | Time 8:01  | 7:48   | Product Crude        | Crude  | Flowrate 115 bbl/hr | 115 bbl/hr | Totalizer 153067 | 160525 | Throughput 7405 | 7458 | Base Density 42.3 °API | 42.7 °API |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------|---------------------|------------|-----------------------|------------|------------|--------|----------------------|--------|---------------------|------------|------------------|--------|-----------------|------|------------------------|-----------|
| Previous                                                                                                                                                                                                                         | Current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |         |                     |            |                       |            |            |        |                      |        |                     |            |                  |        |                 |      |                        |           |
| Task ID 1483663668                                                                                                                                                                                                               | 1486068532                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |         |                     |            |                       |            |            |        |                      |        |                     |            |                  |        |                 |      |                        |           |
| Date 01/04/2017                                                                                                                                                                                                                  | 02/02/2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |         |                     |            |                       |            |            |        |                      |        |                     |            |                  |        |                 |      |                        |           |
| Time 8:01                                                                                                                                                                                                                        | 7:48                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |         |                     |            |                       |            |            |        |                      |        |                     |            |                  |        |                 |      |                        |           |
| Product Crude                                                                                                                                                                                                                    | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |         |                     |            |                       |            |            |        |                      |        |                     |            |                  |        |                 |      |                        |           |
| Flowrate 115 bbl/hr                                                                                                                                                                                                              | 115 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |         |                     |            |                       |            |            |        |                      |        |                     |            |                  |        |                 |      |                        |           |
| Totalizer 153067                                                                                                                                                                                                                 | 160525                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |         |                     |            |                       |            |            |        |                      |        |                     |            |                  |        |                 |      |                        |           |
| Throughput 7405                                                                                                                                                                                                                  | 7458                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |         |                     |            |                       |            |            |        |                      |        |                     |            |                  |        |                 |      |                        |           |
| Base Density 42.3 °API                                                                                                                                                                                                           | 42.7 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |         |                     |            |                       |            |            |        |                      |        |                     |            |                  |        |                 |      |                        |           |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/F<br><br>Certified                | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.060 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <table style="width:100%;"> <tr> <td>Avg Prvr Temp 72.3</td> <td>74.7</td> </tr> <tr> <td>Avg Prvr Press 15.0</td> <td>19.0</td> </tr> <tr> <td>Repeatability 0.033 %</td> <td>0.040 %</td> </tr> <tr> <td>CMF 1.0010</td> <td>1.0014</td> </tr> <tr> <td>CMF Variance -0.0012</td> <td>0.0004</td> </tr> </table><br><b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 20.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0001                                                                                                                                                    | Avg Prvr Temp 72.3 | 74.7    | Avg Prvr Press 15.0 | 19.0       | Repeatability 0.033 % | 0.040 %    | CMF 1.0010 | 1.0014 | CMF Variance -0.0012 | 0.0004 |                     |            |                  |        |                 |      |                        |           |
| Avg Prvr Temp 72.3                                                                                                                                                                                                               | 74.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |         |                     |            |                       |            |            |        |                      |        |                     |            |                  |        |                 |      |                        |           |
| Avg Prvr Press 15.0                                                                                                                                                                                                              | 19.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |         |                     |            |                       |            |            |        |                      |        |                     |            |                  |        |                 |      |                        |           |
| Repeatability 0.033 %                                                                                                                                                                                                            | 0.040 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |         |                     |            |                       |            |            |        |                      |        |                     |            |                  |        |                 |      |                        |           |
| CMF 1.0010                                                                                                                                                                                                                       | 1.0014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |         |                     |            |                       |            |            |        |                      |        |                     |            |                  |        |                 |      |                        |           |
| CMF Variance -0.0012                                                                                                                                                                                                             | 0.0004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |         |                     |            |                       |            |            |        |                      |        |                     |            |                  |        |                 |      |                        |           |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 73.8        | 73.8 | 19.0     | 20.0 | 11867.076  | 1              | Yes | 1.00153 | 114.683  |
| 2       | 74.4        | 74.4 | 19.0     | 20.0 | 11871.198  | 2              | Yes | 1.00120 | 114.691  |
| 3       | 74.6        | 74.6 | 19.0     | 20.0 | 11869.096  | 3              | Yes | 1.00137 | 114.695  |
| 4       | 75.1        | 75.1 | 19.0     | 20.0 | 11871.074  | 4              | Yes | 1.00121 | 114.716  |
| 5       | 75.4        | 75.4 | 19.0     | 20.0 | 11872.161  | 5              | Yes | 1.00113 | 114.675  |
| 6       | 74.8        | 74.8 | 19.0     | 20.0 | 11871.756  | 6              | No  | 1.00115 | 114.703  |
| Average | 74.7        | 74.7 | 19.0     | 20.0 | 11870.1210 |                |     | 1.00129 | 114.692  |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00027 | 1.00002 | 0.99237 | 1.00011 | 0.99277 | 1.17961 |

(2) ISVm:  $[N(avg) + NKF = IVm] * [CTLm * CPLm = CCFm]$

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11870.1210 | 10000.0000 | 1.18701 | 0.99237 | 1.00012 | 0.99249 | 1.17810 |

(3) Proving Factors:

>>>> (1) GSVp + ISVm = 1.0013 MF  
 (2) MF \* CPL = 1.0014 CMF  
 (3) 1 + MF = 0.9987 MA  
 (4) NKF + MF = 9987.0 KF  
 (5) KF + CPL = 9986.0 CKF

Repeatability: 0.040 %  
 Uncertainty: 0.017 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician

PROVEIT

Witness:

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 PROVEIT PROVEIT 8.7.0.0

02/02/2017 8:56 Page: 1  
 Revision: 3

Customer: WPX -  
 Operator:  
 Location: 342 - Lact  
 Federal ID:

| <b>Meter Data</b><br><b>WPX342 WPX South Chaco 342 Sales</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 In<br>Serial No. 14490120<br>Model No. CMF 300M | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 41.7 °API<br>Obs. Temp 63.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.4 °API HYC Y                                                                                                                                                                                                                                                                                                                                                           | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;"><u>Previous</u></th> <th style="text-align: left;"><u>Current</u></th> </tr> <tr> <td>Task ID 1486088532</td> <td>1488576613</td> </tr> <tr> <td>Date 02/02/2017</td> <td>03/03/2017</td> </tr> <tr> <td>Time 7:48</td> <td>8:28</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 115 bbl/hr</td> <td>104 bbl/hr</td> </tr> <tr> <td>Totalizer 160525</td> <td>166592</td> </tr> <tr> <td>Throughput 7458</td> <td>6067</td> </tr> <tr> <td>Base Density 42.7°API</td> <td>41.4 °API</td> </tr> <tr> <td>Avg Prvr Temp 74.7</td> <td>61.6</td> </tr> <tr> <td>Avg Prvr Press 19.0</td> <td>22.0</td> </tr> <tr> <td>Repeatability 0.040 %</td> <td>0.041 %</td> </tr> <tr> <td>CMF 1.0014</td> <td>1.0019</td> </tr> <tr> <td>CMF Variance 0.0004</td> <td>0.0005</td> </tr> </table> | <u>Previous</u> | <u>Current</u> | Task ID 1486088532 | 1488576613 | Date 02/02/2017 | 03/03/2017 | Time 7:48 | 8:28 | Product Crude | Crude | Flowrate 115 bbl/hr | 104 bbl/hr | Totalizer 160525 | 166592 | Throughput 7458 | 6067 | Base Density 42.7°API | 41.4 °API | Avg Prvr Temp 74.7 | 61.6 | Avg Prvr Press 19.0 | 22.0 | Repeatability 0.040 % | 0.041 % | CMF 1.0014 | 1.0019 | CMF Variance 0.0004 | 0.0005 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--------------------|------------|-----------------|------------|-----------|------|---------------|-------|---------------------|------------|------------------|--------|-----------------|------|-----------------------|-----------|--------------------|------|---------------------|------|-----------------------|---------|------------|--------|---------------------|--------|
| <u>Previous</u>                                                                                                                                                                                                                           | <u>Current</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |                 |      |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Task ID 1486088532                                                                                                                                                                                                                        | 1488576613                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |                 |      |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Date 02/02/2017                                                                                                                                                                                                                           | 03/03/2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |                 |      |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Time 7:48                                                                                                                                                                                                                                 | 8:28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |                 |      |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Product Crude                                                                                                                                                                                                                             | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |                 |      |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Flowrate 115 bbl/hr                                                                                                                                                                                                                       | 104 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |                 |      |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Totalizer 160525                                                                                                                                                                                                                          | 166592                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |                 |      |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Throughput 7458                                                                                                                                                                                                                           | 6067                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |                 |      |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Base Density 42.7°API                                                                                                                                                                                                                     | 41.4 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |                 |      |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Avg Prvr Temp 74.7                                                                                                                                                                                                                        | 61.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |                 |      |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Avg Prvr Press 19.0                                                                                                                                                                                                                       | 22.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |                 |      |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| Repeatability 0.040 %                                                                                                                                                                                                                     | 0.041 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |                 |      |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| CMF 1.0014                                                                                                                                                                                                                                | 1.0019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |                 |      |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| CMF Variance 0.0004                                                                                                                                                                                                                       | 0.0005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |                 |      |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 In<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-6 1/°F<br>Certified                                     | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |                 |      |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |
|                                                                                                                                                                                                                                           | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 21.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0001                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |                 |      |                       |           |                    |      |                     |      |                       |         |            |        |                     |        |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 61.6        | 61.6 | 22.0     | 23.0 | 11858.804  | 1              | Yes | 1.00200 | 103.738  |
| 2       | 61.7        | 61.7 | 22.0     | 23.0 | 11860.745  | 2              | Yes | 1.00184 | 103.766  |
| 3       | 61.7        | 61.7 | 22.0     | 23.0 | 11863.093  | 3              | Yes | 1.00164 | 103.705  |
| 4       | 61.5        | 61.5 | 22.0     | 23.0 | 11863.557  | 4              | Yes | 1.00159 | 103.592  |
| 5       | 61.4        | 61.4 | 22.0     | 23.0 | 11860.689  | 5              | Yes | 1.00184 | 103.455  |
| 6       | 61.5        | 61.5 | 22.0     | 23.0 | 11865.577  | 6              | No  | 1.00143 | 103.344  |
| Average | 61.6        | 61.6 | 22.0     | 23.0 | 11861.3776 |                |     | 1.00178 | 103.651  |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00003 | 1.00002 | 0.99918 | 1.00012 | 0.99935 | 1.18743 |

(2) ISVm:  $[N(avg) + NKF = IVm] * [CTLm * CPLm = CCFm]$

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11861.3776 | 10000.0000 | 1.18614 | 0.99918 | 1.00013 | 0.99931 | 1.18532 |

(3) Proving Factors:

>>>> (1) GSVp + ISVm = 1.0018 MF  
 (2) MF \* CPL = 1.0019 CMF  
 (3) 1 ÷ MF = 0.9982 MA  
 (4) NKF + MF = 9982.0 KF  
 (5) KF ÷ CPL = 9981.0 CKF

Repeatability: 0.041 %  
 Uncertainty: 0.024 %

|                                                                                                                                          |                   |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:

PROVE

Witness:

Customer: WPX -

Operator:

Location:

Federal ID: SHL SEC.35 T24N R7W NMPM

ML 6 Ccm #1602  
30-4039-31312

| Meter Data                       | Product Data                          | Proving Data                                            |
|----------------------------------|---------------------------------------|---------------------------------------------------------|
| 67440546 WPX 160H                | Name Crude                            | <u>Previous</u> <u>Current</u>                          |
| Factor Tracked Composite MF(CMF) | Batch No.                             | Task ID 1474581638 1474582706                           |
| Temp Compensated No              | Obs. Gravity 41.5 °API                | Date 09/22/2016 09/22/2016                              |
| NKF 10000.0000 N/bbl             | Obs. Temp 88.5 °F                     | Time 10:00 10:18                                        |
| Manufacturer Micro Motion        | Obs. Press 0.0 psi                    | Product Crude Crude                                     |
| Size 2.00 in                     | API Table Table A - Crude Oil (2004)  | Flowrate 42 bbl/hr 12 bbl/hr                            |
| Serial No. 14504524              | Base Density 39.1 °API HYC Y          | Totalizer                                               |
| Model No.                        |                                       | Throughput                                              |
|                                  | <b>Tolerances</b>                     | Base Density 39.1 °API 39.1 °API                        |
|                                  | Tolerance Type: Repeatability         | Avg Pvr Temp 87.7 87.4                                  |
|                                  | Maximum Deviation: 0.050 %            | Avg Pvr Press 37.0 43.0                                 |
|                                  | Enabled? Y Passed? Y Min # of Runs: 5 | Repeatability 0.030 % 0.034 %                           |
|                                  | Criteria: 5 out of 5 consecutive runs | CMF 1.0009 1.0012                                       |
|                                  | Avg X Prev Meter Factor Deviation:    | CMF Variance -0.0008 0.0003                             |
|                                  | Enabled? N Passed? Y Prod Dep? N      |                                                         |
|                                  | Prev X Factor Count Sought: 1         |                                                         |
|                                  | Prev X Factor Count Used: 0           |                                                         |
|                                  | Cut Off History? N Cutoff Date:       |                                                         |
|                                  | Prev Meter Factor Deviation:          |                                                         |
|                                  | Enabled? N Passed? Y Prod Dep? N      |                                                         |
|                                  | Proving Mode: Volumetric              |                                                         |
|                                  | Density Mode: Manual                  |                                                         |
|                                  | Calc. Method: Avg. Meter Factor       |                                                         |
|                                  | Proving Method: PIU                   |                                                         |
|                                  | Passes Per Run 1                      |                                                         |
|                                  |                                       | <b>Liquid Properties at Metering Conditions for CMF</b> |
|                                  |                                       | Normal Op. Pressure 44.0 psig                           |
|                                  |                                       | Eq. Vapor Pressure 0.0 psig                             |
|                                  |                                       | CPL 1.0003                                              |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bb/hr    |
| 1       | 87.2        | 87.2 | 43.0     | 44.0 | 11876.638  | 1              | Yes | 1.00099 | 12.491   |
| 2       | 86.4        | 86.4 | 43.0     | 44.0 | 11880.462  | 2              | Yes | 1.00065 | 12.466   |
| 3       | 87.1        | 87.1 | 43.0     | 44.0 | 11877.414  | 3              | Yes | 1.00091 | 12.461   |
| 4       | 87.1        | 87.1 | 43.0     | 44.0 | 11877.623  | 4              | Yes | 1.00090 | 12.451   |
| 5       | 89.2        | 89.2 | 43.0     | 44.0 | 11877.542  | 5              | Yes | 1.00095 | 12.480   |
| Average | 87.4        | 87.4 | 43.0     | 44.0 | 11877.9358 |                |     | 1.00088 | 12.470   |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00051 | 1.00004 | 0.98633 | 1.00025 | 0.98712 | 1.17290 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11877.9358 | 10000.0000 | 1.18779 | 0.98633 | 1.00026 | 0.98659 | 1.17186 |

(3) Proving Factors:

|      |     |               |        |     |
|------|-----|---------------|--------|-----|
| >>>> | (1) | GSVp ÷ ISVm = | 1.0009 | MF  |
|      | (2) | MF * CPL =    | 1.0012 | CMF |
|      | (3) | 1 ÷ MF =      | 0.9991 | MA  |
|      | (4) | NKF ÷ MF =    | 9991.0 | KF  |
|      | (5) | KF ÷ CPL =    | 9988.0 | CKF |

Repeatability: 0.034 %  
Uncertainty: 0.018 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

PROVEit

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09/22/2016 19:39 Page: 1  
Revision: 1

Customer: WPX -

Operator:

Location:

Federal ID: SHL SEC.35 T24N R7W NMPM

my 6-6000 #1601  
30-037-2.3.2  
RD 5 24A? W

|                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Meter Data</b><br><b>67440546 WPX 160H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14504524<br>Model No. | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 41.0 °API<br>Obs. Temp 60.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.0 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                          | <b>Proving Data</b><br><div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> Task ID 1476169158 1476169317<br>Date 10/10/2016 10/10/2016<br>Time 18:59 19:01<br>Product Crude Crude<br>Flowrate 41 bbl/hr 12 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 41.0°API 41.0°API<br>Avg Pvr Temp 78.0 73.6<br>Avg Pvr Press 47.0 47.0<br>Repeatability 0.032 % 0.016 %<br>CMF 1.0021 1.0032<br>CMF Variance 0.0009 0.0011 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: Manual<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 46.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0003                                                                                                                                                                                                                                                                                                                                                            |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bb/hr    |
| 1       | 73.9        | 73.9 | 47.0     | 49.0 | 11851.000  | 1              | Yes | 1.00291 | 12.000   |
| 2       | 73.5        | 73.5 | 47.0     | 49.0 | 11851.000  | 2              | Yes | 1.00290 | 12.000   |
| 3       | 72.9        | 72.9 | 47.0     | 49.0 | 11851.000  | 3              | Yes | 1.00289 | 12.000   |
| 4       | 73.0        | 73.0 | 47.0     | 49.0 | 11852.000  | 4              | Yes | 1.00280 | 12.000   |
| 5       | 74.9        | 74.9 | 47.0     | 49.0 | 11853.000  | 5              | Yes | 1.00275 | 12.000   |
| Average | 73.6        | 73.6 | 47.0     | 49.0 | 11851.6000 |                |     | 1.00285 | 12.000   |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00025 | 1.00004 | 0.99308 | 1.00027 | 0.99364 | 1.18064 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11851.6000 | 10000.0000 | 1.18516 | 0.99308 | 1.00028 | 0.99336 | 1.17729 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0029 MF  
(2) MF \* CPL = 1.0032 CMF  
(3) 1 ÷ MF = 0.9971 MA  
(4) NKF ÷ MF = 9971.1 KF  
(5) KF ÷ CPL = 9968.1 CKF

Repeatability: 0.016 %  
Uncertainty: 0.009 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

PROVE

Customer: WPX -  
Operator:  
Location:  
Federal ID:

|                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Meter Data</b><br><b>67443821 WPX 409H</b><br>Factor Tracked <b>Composite MF(CMF)</b><br>Temp Compensated <b>No</b><br>NKF <b>10000.0000</b> N/bbl<br>Manufacturer <b>Micro Motion</b><br>Size <b>2.00</b> In<br>Serial No.<br>Model No.                    | <b>Product Data</b><br>Name <b>Crude</b><br>Batch No.<br>Obs. Gravity <b>43.2 °API</b><br>Obs. Temp <b>77.0 °F</b><br>Obs. Press <b>0.0 psi</b><br>API Table <b>Table A - Crude Oil (2004)</b><br>Base Density <b>41.7 °API</b> HYC Y                                                                                                                                                                                                                                                                                                                                                                              | <b>Proving Data</b><br><div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> Task ID <b>1481155934</b> <b>1487870910</b><br>Date <b>12/07/2016</b> <b>02/24/2017</b><br>Time <b>11:12</b> <b>8:15</b><br>Product <b>Crude</b> <b>Crude</b><br>Flowrate <b>42 bbl/hr</b> <b>42 bbl/hr</b><br>Totalizer<br>Throughput<br>Base Density <b>40.4 °API</b> <b>41.7 °API</b><br><br>Avg Pvr Temp <b>76.7</b> <b>71.0</b><br>Avg Pvr Press <b>10.0</b> <b>36.0</b><br>Repeatability <b>0.023 %</b> <b>0.045 %</b><br>CMF <b>1.0033</b> <b>1.0020</b><br>CMF Variance <b>0.0005</b> <b>-0.0013</b> |
| <b>Prover Data</b><br><br>BPV <b>1.18820</b> bbl<br>I.D. <b>7.981</b> In<br>W.T. <b>0.322</b> In<br>Manufacturer<br>Type <b>Displacement-Sphere</b><br>Serial No. <b>23MM</b><br>Elasticity <b>3.0E7</b> 1/psi<br>Pipe Gc <b>1.86E-5</b> 1/°F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: <b>Repeatability</b><br>Maximum Deviation: <b>0.050 %</b><br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: <b>Volumetric</b><br>Density Mode: <b>Manual</b><br>Calc. Method: <b>Avg. Meter Factor</b><br>Proving Method: <b>PIU</b><br>Passes Per Run <b>1</b> | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure <b>38.0</b> psig<br>Eq. Vapor Pressure <b>0.0</b> psig<br>CPL <b>1.0002</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|-------------|------|----------|------|------------|----------------|---------|--------------------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |         |                    |
| 1       | 68.1        | 68.1 | 36.0     | 41.0 | 11864.480  | 1 Yes          | 1.00162 | 41.785             |
| 2       | 69.9        | 69.9 | 36.0     | 41.0 | 11862.864  | 2 Yes          | 1.00179 | 41.760             |
| 3       | 72.3        | 72.3 | 36.0     | 41.0 | 11862.707  | 3 Yes          | 1.00186 | 41.834             |
| 4       | 72.8        | 72.8 | 36.0     | 41.0 | 11860.315  | 4 Yes          | 1.00207 | 41.780             |
| 5       | 72.1        | 72.1 | 36.0     | 41.0 | 11864.654  | 5 Yes          | 1.00169 | 41.774             |
| Average | 71.0        | 71.0 | 36.0     | 41.0 | 11863.0040 |                | 1.00181 | 41.787             |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00020 | 1.00003 | 0.99436 | 1.00021 | 0.99480 | 1.18202 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11863.0040 | 10000.0000 | 1.18630 | 0.99436 | 1.00024 | 0.99460 | 1.17989 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0018 MF  
(2) MF \* CPL = 1.0020 CMF  
(3) 1 ÷ MF = 0.9982 MA  
(4) NKF ÷ MF = 9982.0 KF  
(5) KF ÷ CPL = 9980.0 CKF

Repeatability: 0.045 %  
Uncertainty: 0.024 %

|                                                                                                                                              |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br><br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:

Witness:

PROVE



Customer: WPX -  
Operator:  
Location:  
Federal ID:

| <b>Meter Data</b><br>67443821 WPX 409H<br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 In<br>Serial No.<br>Model No.                 | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 42.2 °API<br>Obs. Temp 80.9 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.4 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                       | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;">Previous</th> <th style="text-align: left;">Current</th> </tr> <tr> <td>Task ID 1478567884</td> <td>1481155934</td> </tr> <tr> <td>Date 11/07/2016</td> <td>12/07/2016</td> </tr> <tr> <td>Time 9:31</td> <td>11:12</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 41 bbl/hr</td> <td>42 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> </tr> <tr> <td>Base Density 40.1°API</td> <td>40.4 °API</td> </tr> <tr> <td>Avg Prvr Temp 79.4</td> <td>76.7</td> </tr> <tr> <td>Avg Prvr Press 40.0</td> <td>10.0</td> </tr> <tr> <td>Repeatability 0.044 %</td> <td>0.023 %</td> </tr> <tr> <td>CMF 1.0028</td> <td>1.0033</td> </tr> <tr> <td>CMF Variance -0.0007</td> <td>0.0005</td> </tr> </table> | Previous | Current | Task ID 1478567884 | 1481155934 | Date 11/07/2016 | 12/07/2016 | Time 9:31 | 11:12 | Product Crude | Crude | Flowrate 41 bbl/hr | 42 bbl/hr | Totalizer |  | Throughput |  | Base Density 40.1°API | 40.4 °API | Avg Prvr Temp 79.4 | 76.7 | Avg Prvr Press 40.0 | 10.0 | Repeatability 0.044 % | 0.023 % | CMF 1.0028 | 1.0033 | CMF Variance -0.0007 | 0.0005 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|--------------------|------------|-----------------|------------|-----------|-------|---------------|-------|--------------------|-----------|-----------|--|------------|--|-----------------------|-----------|--------------------|------|---------------------|------|-----------------------|---------|------------|--------|----------------------|--------|
| Previous                                                                                                                                                                                                          | Current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Task ID 1478567884                                                                                                                                                                                                | 1481155934                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Date 11/07/2016                                                                                                                                                                                                   | 12/07/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Time 9:31                                                                                                                                                                                                         | 11:12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Product Crude                                                                                                                                                                                                     | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Flowrate 41 bbl/hr                                                                                                                                                                                                | 42 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Totalizer                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Throughput                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Base Density 40.1°API                                                                                                                                                                                             | 40.4 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Avg Prvr Temp 79.4                                                                                                                                                                                                | 76.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Avg Prvr Press 40.0                                                                                                                                                                                               | 10.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                      |        |
| Repeatability 0.044 %                                                                                                                                                                                             | 0.023 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                      |        |
| CMF 1.0028                                                                                                                                                                                                        | 1.0033                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                      |        |
| CMF Variance -0.0007                                                                                                                                                                                              | 0.0005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                      |        |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 In<br>W.T. 0.322 In<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 6 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 36.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |         |                    |            |                 |            |           |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                      |        |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bb/hr    |
| 1       | 70.6        | 70.6 | 10.0     | 36.0 | 11851.655  | 1              | No  | 1.00263 | 41.795   |
| 2       | 74.9        | 74.9 | 10.0     | 36.0 | 11847.143  | 2              | Yes | 1.00309 | 41.844   |
| 3       | 76.0        | 76.0 | 10.0     | 36.0 | 11846.759  | 3              | Yes | 1.00314 | 41.777   |
| 4       | 76.9        | 76.9 | 10.0     | 36.0 | 11848.316  | 4              | Yes | 1.00301 | 41.717   |
| 5       | 77.6        | 77.6 | 10.0     | 36.0 | 11847.150  | 5              | Yes | 1.00313 | 41.781   |
| 6       | 78.4        | 78.4 | 10.0     | 36.0 | 11846.115  | 6              | Yes | 1.00324 | 41.806   |
| Average | 76.7        | 76.7 | 10.0     | 36.0 | 11847.0966 |                |     | 1.00312 | 41.785   |

(1) GSVp:  $BPV * [CTSp * CPSP * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00031 | 1.00001 | 0.99155 | 1.00006 | 0.99193 | 1.17861 |

(2) ISVm:  $[N(avg) \div NKF = IVm] * [CTLm * CPLm = CCFm]$

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11847.0966 | 10000.0000 | 1.18471 | 0.99155 | 1.00021 | 0.99176 | 1.17495 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0031 MF  
 (2) MF \* CPL = 1.0033 CMF  
 (3) 1 + MF = 0.9969 MA  
 (4) NKF ÷ MF = 9969.1 KF  
 (5) KF ÷ CPL = 9967.1 CKF

Repeatability: 0.023 %  
 Uncertainty: 0.025 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician: 

Witness:

PROVE

Customer: WPX -

Operator:

Location:

Federal ID:

| Meter Data                                                                                                                                                                                                                                                 | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67443821 WPX 409H</b><br>Factor Tracked <b>Composite MF(CMF)</b><br>Temp Compensated <b>No</b><br>NKF <b>10000.0000</b> N/bbl<br>Manufacturer <b>Micro Motion</b><br>Size <b>2.00</b> In<br>Serial No.<br>Model No.                                     | Name <b>Crude</b><br>Batch No.<br>Obs. Gravity <b>42.1 °API</b><br>Obs. Temp <b>80.5 °F</b><br>Obs. Press <b>0.0 psi</b><br>API Table <b>Table A - Crude Oil (2004)</b><br>Base Density <b>40.3 °API</b> <span style="float:right">HYC Y</span>                                                                                                                                                                                                                                                                                                                                                                    | <div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> Task ID <b>1487970910</b> <span style="float:right"><b>1489106739</b></span><br>Date <b>02/24/2017</b> <span style="float:right"><b>03/09/2017</b></span><br>Time <b>8:15</b> <span style="float:right"><b>11:45</b></span><br>Product <b>Crude</b> <span style="float:right"><b>Crude</b></span><br>Flowrate <b>42 bbl/hr</b> <span style="float:right"><b>42 bbl/hr</b></span><br>Totalizer<br>Throughput<br>Base Density <b>41.7°API</b> <span style="float:right"><b>40.3 °API</b></span><br><br>Avg Prvr Temp <b>71.0</b> <span style="float:right"><b>80.5</b></span><br>Avg Prvr Press <b>36.0</b> <span style="float:right"><b>16.0</b></span><br>Repeatability <b>0.045 %</b> <span style="float:right"><b>0.043 %</b></span><br>CMF <b>1.0020</b> <span style="float:right"><b>1.0021</b></span><br>CMF Variance <b>-0.0013</b> <span style="float:right"><b>0.0001</b></span> |
| <b>Prover Data</b><br>BPV <b>1.18820</b> bbl<br>I.D. <b>7.981</b> in<br>W.T. <b>0.322</b> in<br>Manufacturer<br>Type <b>Displacement-Sphere</b><br>Serial No. <b>23MM</b><br>Elasticity <b>3.0E7</b> 1/psi<br>Pipe Gc <b>1.86E-5</b> 1/°F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: <b>Repeatability</b><br>Maximum Deviation: <b>0.050 %</b><br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: <b>Volumetric</b><br>Density Mode: <b>Manual</b><br>Calc. Method: <b>Avg. Meter Factor</b><br>Proving Method: <b>PIU</b><br>Passes Per Run <b>1</b> | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure <b>35.0</b> psig<br>Eq. Vapor Pressure <b>0.0</b> psig<br>CPL <b>1.0002</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 79.7        | 79.7 | 16.0     | 35.0 | 11864.953  | 1              | Yes | 1.00170 | 41.713   |
| 2       | 81.0        | 81.0 | 16.0     | 35.0 | 11863.850  | 2              | Yes | 1.00180 | 41.760   |
| 3       | 81.2        | 81.2 | 16.0     | 35.0 | 11861.226  | 3              | Yes | 1.00203 | 41.767   |
| 4       | 81.5        | 81.5 | 16.0     | 35.0 | 11865.703  | 4              | Yes | 1.00166 | 41.691   |
| 5       | 79.0        | 79.0 | 16.0     | 35.0 | 11860.318  | 5              | Yes | 1.00209 | 41.720   |
| Average | 80.5        | 80.5 | 16.0     | 35.0 | 11863.2100 |                |     | 1.00186 | 41.730   |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00038 | 1.00001 | 0.98964 | 1.00009 | 0.99012 | 1.17646 |

(2) ISVm: [N(avg) + NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11863.2100 | 10000.0000 | 1.18632 | 0.98964 | 1.00021 | 0.98985 | 1.17428 |

(3) Proving Factors:

|          |               |        |     |                                                                                                                                          |
|----------|---------------|--------|-----|------------------------------------------------------------------------------------------------------------------------------------------|
| >>>> (1) | GSVp + ISVm = | 1.0019 | MF  | Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found |
| (2)      | MF * CPL =    | 1.0021 | CMF |                                                                                                                                          |
| (3)      | 1 + MF =      | 0.9981 | MA  |                                                                                                                                          |
| (4)      | NKF + MF =    | 9981.0 | KF  |                                                                                                                                          |
| (5)      | KF + CPL =    | 9979.0 | CKF |                                                                                                                                          |

Repeatability: **0.043 %**  
 Uncertainty: **0.023 %**

Technician

Witness:

PROVE

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: Sec.2P T22N R6W

| <b>Meter Data</b><br><b>WPX228H WPX 228H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size In<br>Serial No. 14324674<br>Model No. CMF 300M | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 43.7 °API<br>Obs. Temp 102.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.1 °API HYC Y                                                                                                                                                                                                                                                                                                                                                          | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;"><u>Previous</u></th> <th style="text-align: left;"><u>Current</u></th> </tr> <tr> <td>Task ID 1486075740</td> <td>1488583277</td> </tr> <tr> <td>Date 02/02/2017</td> <td>03/03/2017</td> </tr> <tr> <td>Time 9:49</td> <td>10:21</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 390 bbl/hr</td> <td>369 bbl/hr</td> </tr> <tr> <td>Totalizer 139379</td> <td></td> </tr> <tr> <td>Throughput 996</td> <td></td> </tr> <tr> <td>Base Density 41.2 °API</td> <td>40.1 °API</td> </tr> <tr> <td>Avg Prvr Temp 59.5</td> <td>66.7</td> </tr> <tr> <td>Avg Prvr Press 19.0</td> <td>17.0</td> </tr> <tr> <td>Repeatability 0.019 %</td> <td>0.036 %</td> </tr> <tr> <td>CMF 1.0021</td> <td>1.0020</td> </tr> <tr> <td>CMF Variance -0.0013</td> <td>-0.0001</td> </tr> </table> | <u>Previous</u> | <u>Current</u> | Task ID 1486075740 | 1488583277 | Date 02/02/2017 | 03/03/2017 | Time 9:49 | 10:21 | Product Crude | Crude | Flowrate 390 bbl/hr | 369 bbl/hr | Totalizer 139379 |  | Throughput 996 |  | Base Density 41.2 °API | 40.1 °API | Avg Prvr Temp 59.5 | 66.7 | Avg Prvr Press 19.0 | 17.0 | Repeatability 0.019 % | 0.036 % | CMF 1.0021 | 1.0020 | CMF Variance -0.0013 | -0.0001 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--------------------|------------|-----------------|------------|-----------|-------|---------------|-------|---------------------|------------|------------------|--|----------------|--|------------------------|-----------|--------------------|------|---------------------|------|-----------------------|---------|------------|--------|----------------------|---------|
| <u>Previous</u>                                                                                                                                                                                                      | <u>Current</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |           |       |               |       |                     |            |                  |  |                |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Task ID 1486075740                                                                                                                                                                                                   | 1488583277                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |           |       |               |       |                     |            |                  |  |                |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Date 02/02/2017                                                                                                                                                                                                      | 03/03/2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |           |       |               |       |                     |            |                  |  |                |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Time 9:49                                                                                                                                                                                                            | 10:21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |           |       |               |       |                     |            |                  |  |                |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Product Crude                                                                                                                                                                                                        | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |           |       |               |       |                     |            |                  |  |                |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Flowrate 390 bbl/hr                                                                                                                                                                                                  | 369 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |           |       |               |       |                     |            |                  |  |                |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Totalizer 139379                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |           |       |               |       |                     |            |                  |  |                |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Throughput 996                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |           |       |               |       |                     |            |                  |  |                |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Base Density 41.2 °API                                                                                                                                                                                               | 40.1 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |           |       |               |       |                     |            |                  |  |                |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Avg Prvr Temp 59.5                                                                                                                                                                                                   | 66.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |           |       |               |       |                     |            |                  |  |                |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Avg Prvr Press 19.0                                                                                                                                                                                                  | 17.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |           |       |               |       |                     |            |                  |  |                |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Repeatability 0.019 %                                                                                                                                                                                                | 0.036 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |           |       |               |       |                     |            |                  |  |                |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| CMF 1.0021                                                                                                                                                                                                           | 1.0020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |           |       |               |       |                     |            |                  |  |                |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| CMF Variance -0.0013                                                                                                                                                                                                 | -0.0001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                |                    |            |                 |            |           |       |               |       |                     |            |                  |  |                |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/°F<br>Certified                | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 45.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |                |                    |            |                 |            |           |       |               |       |                     |            |                  |  |                |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|-------------|------|----------|------|------------|----------------|---------|--------------------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |         |                    |
| 1       | 66.5        | 66.5 | 17.0     | 46.0 | 11864.080  | 1 No           | 1.00147 | 370.299            |
| 2       | 67.0        | 67.0 | 17.0     | 46.0 | 11862.339  | 2 Yes          | 1.00163 | 369.796            |
| 3       | 66.9        | 66.9 | 17.0     | 46.0 | 11858.249  | 3 Yes          | 1.00198 | 369.369            |
| 4       | 66.8        | 66.8 | 17.0     | 46.0 | 11861.886  | 4 Yes          | 1.00168 | 368.976            |
| 5       | 66.6        | 66.6 | 17.0     | 46.0 | 11862.296  | 5 Yes          | 1.00162 | 368.863            |
| 6       | 66.4        | 66.4 | 17.0     | 46.0 | 11861.537  | 6 Yes          | 1.00169 | 368.905            |
| Average | 66.7        | 66.7 | 17.0     | 46.0 | 11861.2214 |                | 1.00172 | 369.182            |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00012 | 1.00001 | 0.99663 | 1.00009 | 0.99685 | 1.18446 |

(2) ISVm:  $[N(avg) \div NKF = IVm] * [CTLm * CPLm = CCFm]$

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11861.2214 | 10000.0000 | 1.18612 | 0.99663 | 1.00026 | 0.99689 | 1.18243 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0017 MF  
 (2) MF \* CPL = 1.0020 CMF  
 (3) 1 ÷ MF = 0.9983 MA  
 (4) NKF ÷ MF = 9983.0 KF  
 (5) KF ÷ CPL = 9980.0 CKF

Repeatability: 0.036 %  
 Uncertainty: 0.021 %

|                                                                                                                                          |                   |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:   
**PROVE**

Witness:

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: Sec.2P T22N R6W

| Meter Data                                                                                                                                                                                                                                                                           | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WPX228H WPX 228H</b><br><b>Factor Tracked Composite MF(CMF)</b><br><b>Temp Compensated No</b><br><b>NKF 10000.0000 N/bbl</b><br><b>Manufacturer Micro Motion</b><br><b>Size in</b><br><b>Serial No. 14324674</b><br><b>Model No. CMF 300M</b>                                     | <b>Name Crude</b><br><b>Batch No.</b><br><b>Obs. Gravity 43.2 °API</b><br><b>Obs. Temp 41.0 °F</b><br><b>Obs. Press 0.0 psi</b><br><b>API Table Table A - Crude Oil (2004)</b><br><b>Base Density 44.9 °API</b> <b>HYC Y</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> <b>Task ID</b> 1485467095<br><b>Date</b> 01/26/2017<br><b>Time</b> 8:44<br><b>Product</b> Crude<br><b>Flowrate</b> 366 bbl/hr<br><b>Totalizer</b> 138383<br><b>Throughput</b><br><b>Base Density</b> 44.9 °API<br><br><b>Avg Pvr Temp</b> 40.2<br><b>Avg Pvr Press</b> 49.0<br><b>Repeatability</b> 0.029 %<br><b>CMF</b> 1.0034<br><b>CMF Variance</b> |
| <b>Prover Data</b><br><br><b>BPV 1.18820 bbl</b><br><b>I.D. 7.981 in</b><br><b>W.T. 0.322 in</b><br><b>Manufacturer DOMINION</b><br><b>Type Displacement-Sphere</b><br><b>Serial No. 23MM</b><br><b>Elasticity 3.0E7 1/psi</b><br><b>Pipe Gc 1.86E-5 1/F</b><br><br><b>Certified</b> | <b>Tolerances</b><br><b>Tolerance Type: Repeatability</b><br><b>Maximum Deviation: 0.050 %</b><br><b>Enabled? Y Passed? Y Min # of Runs: 5</b><br><b>Criteria: 5 out of 5 consecutive runs</b><br><br><b>Avg X Prev Meter Factor Deviation:</b><br><b>Enabled? N Passed? Y Prod Dep? N</b><br><b>Prev X Factor Count Sought: 1</b><br><b>Prev X Factor Count Used: 0</b><br><b>Cut Off History? N Cutoff Date:</b><br><br><b>Prev Meter Factor Deviation:</b><br><b>Enabled? N Passed? Y Prod Dep? N</b><br><br><b>Proving Mode: Volumetric</b><br><b>Density Mode: Manual</b><br><b>Calc. Method: Avg. Meter Factor</b><br><b>Proving Method: PIU</b><br><b>Passes Per Run 1</b> | <b>Liquid Properties at Metering Conditions for CMF</b><br><br><b>Normal Op. Pressure 49.0 psig</b><br><b>Eq. Vapor Pressure 0.0 psig</b><br><b>CPL 1.0003</b>                                                                                                                                                                                                                                                                                                                       |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | TP          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 40.4        | 40.4 | 49.0     | 49.0 | 11841.477  | 1              | Yes | 1.00310 | 365.978  |
| 2       | 40.6        | 40.6 | 49.0     | 49.0 | 11842.230  | 2              | Yes | 1.00304 | 365.345  |
| 3       | 39.7        | 39.7 | 49.0     | 49.0 | 11838.624  | 3              | Yes | 1.00333 | 365.732  |
| 4       | 39.9        | 39.9 | 49.0     | 49.0 | 11841.378  | 4              | Yes | 1.00310 | 365.909  |
| 5       | 40.3        | 40.3 | 49.0     | 49.0 | 11842.072  | 5              | Yes | 1.00304 | 365.897  |
| Average | 40.2        | 40.2 | 49.0     | 49.0 | 11841.1562 |                |     | 1.00312 | 365.772  |

(1) GSVp: BPV \* [CTSp \* CPSP \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 0.99963 | 1.00004 | 1.01049 | 1.00027 | 1.01043 | 1.20059 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11841.1562 | 10000.0000 | 1.18412 | 1.01049 | 1.00027 | 1.01076 | 1.19686 |

(3) Proving Factors:

>>>> (1) GSVp + ISVm = 1.0031 MF  
 (2) MF \* CPL = 1.0034 CMF  
 (3) 1 + MF = 0.9969 MA  
 (4) NKF + MF = 9969.1 KF  
 (5) KF + CPL = 9966.1 CKF

Repeatability: 0.029 %  
 Uncertainty: 0.015 %

|                                                                        |                   |
|------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor         |                   |
| Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |

Technician: Clinton York - Meter Provers Inc.



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 PROVEIT PROVEIT 6.7.0.0

01/26/2017 9:54 Page: 1  
 Revision: 1

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: Sec.2P T22N R6W

| <b>Meter Data</b><br><b>WPX228H WPX 228H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size in<br>Serial No. 14324674<br>Model No. CMF 300M | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 42.4 °API<br>Obs. Temp 74.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.2 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                       | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;"><u>Previous</u></th> <th style="text-align: left;"><u>Current</u></th> </tr> <tr> <td>Task ID 1485467095</td> <td>1486076740</td> </tr> <tr> <td>Date 01/26/2017</td> <td>02/02/2017</td> </tr> <tr> <td>Time 8:44</td> <td>9:49</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 366 bbl/hr</td> <td>390 bbl/hr</td> </tr> <tr> <td>Totalizer 138383</td> <td>139379</td> </tr> <tr> <td>Throughput</td> <td>996</td> </tr> <tr> <td>Base Density 44.9°API</td> <td>41.2 °API</td> </tr> <tr> <td>Avg Prvr Temp 40.2</td> <td>59.5</td> </tr> <tr> <td>Avg Prvr Press 49.0</td> <td>19.0</td> </tr> <tr> <td>Repeatability 0.029 %</td> <td>0.019 %</td> </tr> <tr> <td>CMF 1.0034</td> <td>1.0021</td> </tr> <tr> <td>CMF Variance</td> <td>-0.0013</td> </tr> </table> | <u>Previous</u> | <u>Current</u> | Task ID 1485467095 | 1486076740 | Date 01/26/2017 | 02/02/2017 | Time 8:44 | 9:49 | Product Crude | Crude | Flowrate 366 bbl/hr | 390 bbl/hr | Totalizer 138383 | 139379 | Throughput | 996 | Base Density 44.9°API | 41.2 °API | Avg Prvr Temp 40.2 | 59.5 | Avg Prvr Press 49.0 | 19.0 | Repeatability 0.029 % | 0.019 % | CMF 1.0034 | 1.0021 | CMF Variance | -0.0013 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--------------------|------------|-----------------|------------|-----------|------|---------------|-------|---------------------|------------|------------------|--------|------------|-----|-----------------------|-----------|--------------------|------|---------------------|------|-----------------------|---------|------------|--------|--------------|---------|
| <u>Previous</u>                                                                                                                                                                                                      | <u>Current</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |            |     |                       |           |                    |      |                     |      |                       |         |            |        |              |         |
| Task ID 1485467095                                                                                                                                                                                                   | 1486076740                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |            |     |                       |           |                    |      |                     |      |                       |         |            |        |              |         |
| Date 01/26/2017                                                                                                                                                                                                      | 02/02/2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |            |     |                       |           |                    |      |                     |      |                       |         |            |        |              |         |
| Time 8:44                                                                                                                                                                                                            | 9:49                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |            |     |                       |           |                    |      |                     |      |                       |         |            |        |              |         |
| Product Crude                                                                                                                                                                                                        | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |            |     |                       |           |                    |      |                     |      |                       |         |            |        |              |         |
| Flowrate 366 bbl/hr                                                                                                                                                                                                  | 390 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |            |     |                       |           |                    |      |                     |      |                       |         |            |        |              |         |
| Totalizer 138383                                                                                                                                                                                                     | 139379                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |            |     |                       |           |                    |      |                     |      |                       |         |            |        |              |         |
| Throughput                                                                                                                                                                                                           | 996                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |            |     |                       |           |                    |      |                     |      |                       |         |            |        |              |         |
| Base Density 44.9°API                                                                                                                                                                                                | 41.2 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |            |     |                       |           |                    |      |                     |      |                       |         |            |        |              |         |
| Avg Prvr Temp 40.2                                                                                                                                                                                                   | 59.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |            |     |                       |           |                    |      |                     |      |                       |         |            |        |              |         |
| Avg Prvr Press 49.0                                                                                                                                                                                                  | 19.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |            |     |                       |           |                    |      |                     |      |                       |         |            |        |              |         |
| Repeatability 0.029 %                                                                                                                                                                                                | 0.019 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |            |     |                       |           |                    |      |                     |      |                       |         |            |        |              |         |
| CMF 1.0034                                                                                                                                                                                                           | 1.0021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |            |     |                       |           |                    |      |                     |      |                       |         |            |        |              |         |
| CMF Variance                                                                                                                                                                                                         | -0.0013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |            |     |                       |           |                    |      |                     |      |                       |         |            |        |              |         |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/F<br><br>Certified    | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 47.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |                |                    |            |                 |            |           |      |               |       |                     |            |                  |        |            |     |                       |           |                    |      |                     |      |                       |         |            |        |              |         |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 59.9        | 59.9 | 19.0     | 47.0 | 11858.196  | 1              | Yes | 1.00186 | 391.219  |
| 2       | 59.8        | 59.8 | 19.0     | 47.0 | 11858.232  | 2              | Yes | 1.00186 | 390.932  |
| 3       | 59.7        | 59.7 | 19.0     | 47.0 | 11857.608  | 3              | Yes | 1.00191 | 390.241  |
| 4       | 59.3        | 59.3 | 19.0     | 47.0 | 11858.011  | 4              | Yes | 1.00187 | 389.603  |
| 5       | 58.9        | 58.9 | 19.0     | 47.0 | 11859.717  | 5              | Yes | 1.00172 | 389.170  |
| 6       | 58.3        | 58.3 | 19.0     | 47.0 | 11853.056  | 6              | No  | 1.00227 | 388.885  |
| Average | 59.5        | 59.5 | 19.0     | 47.0 | 11858.3526 |                |     | 1.00184 | 390.233  |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 0.99999 | 1.00002 | 1.00025 | 1.00010 | 1.00036 | 1.18863 |

(2) ISVm: [N(avg) + NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11858.3526 | 10000.0000 | 1.18584 | 1.00025 | 1.00026 | 1.00051 | 1.18644 |

(3) Proving Factors:

>>>> (1) GSVp + ISVm = 1.0018 MF  
 (2) MF \* CPL = 1.0021 CMF  
 (3) 1 + MF = 0.9982 MA  
 (4) NKF + MF = 9982.0 KF  
 (5) KF + CPL = 9979.0 CKF

Repeatability: 0.019 %  
 Uncertainty: 0.023 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician

Witness

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02/02/2017 10:17 Page: 1  
 Revision: 1

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC 33 T24N R8W

|                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Meter Data</b><br><b>WPX112 WPX 112</b><br>Factor Tracked Meter Factor(MF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No.<br>Model No. CMF 200M | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 44.2 °API<br>Obs. Temp 102.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.5 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                      | <b>Proving Data</b><br><div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> Task ID 1489701156 1489702123<br>Date 03/16/2017 03/16/2017<br>Time 9:52 10:08<br>Product Crude Crude<br>Flowrate 42 bbl/hr 31 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 40.5 °API 40.5 °API<br><br>Avg Prvr Temp 97.0 97.2<br>Avg Prvr Press 38.0 38.0<br>Repeatability 0.040 % 0.036 %<br>MF 1.0006 1.0008<br>MF Variance -0.0015 0.0002 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/°F<br><br>Certified     | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 37.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                                                                  |

| Run     | TEMPERATURE<br>Tp Tm | PRESSURE<br>Pp Pm | PULSES<br>N | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|----------------------|-------------------|-------------|----------------|---------|--------------------|
| 1       | 99.5 99.5            | 38.0 39.0         | 11880.439   | 1 Yes          | 1.00089 | 31.222             |
| 2       | 97.9 97.9            | 38.0 39.0         | 11879.780   | 2 Yes          | 1.00091 | 31.252             |
| 3       | 97.0 97.0            | 38.0 39.0         | 11883.661   | 3 Yes          | 1.00057 | 31.263             |
| 4       | 95.8 95.8            | 38.0 39.0         | 11881.154   | 4 Yes          | 1.00075 | 31.267             |
| 5       | 95.6 95.6            | 38.0 39.0         | 11879.141   | 5 Yes          | 1.00093 | 31.275             |
| Average | 97.2 97.2            | 38.0 39.0         | 11880.8350  |                | 1.00081 | 31.256             |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00089 | 1.00003 | 0.98111 | 1.00024 | 0.98205 | 1.16887 |

(2) ISVm: [N(avg) + NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11880.8350 | 10000.0000 | 1.18808 | 0.98111 | 1.00024 | 0.98135 | 1.16592 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0008 MF  
 (2) MF \* CPL = 1.0010 CMF  
 (3) 1 ÷ MF = 0.9992 MA  
 (4) NKF + MF = 9992.0 KF  
 (5) KF + CPL = 9990.0 CKF

Repeatability: 0.036 %  
 Uncertainty: 0.019 %

|                                                                                                                                              |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br><br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:   
**PROVE**

Witness:

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC 33 T24N R8W

| Meter Data                                                                                                                                                                                                         | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WPX112 WPX 112</b><br>Factor Tracked Meter Factor(MF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 In<br>Serial No.<br>Model No. CMF200M                            | Name Crude<br>Batch No.<br>Obs. Gravity 42.3 °API<br>Obs. Temp 79.8 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.6 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                              | <div style="display: flex; justify-content: space-between;"> <span>Previous</span> <span>Current</span> </div> Task ID 1486759280 1486760468<br>Date 02/10/2017 02/10/2017<br>Time 7:41 8:01<br>Product Crude Crude<br>Flowrate 42 bbl/hr 31 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 40.6 °API 40.6 °API<br><br>Avg Prvr Temp 79.3 79.9<br>Avg Prvr Press 40.0 40.0<br>Repeatability 0.022 % 0.018 %<br>MF 1.0018 1.0021<br>MF Variance 0.0008 0.0003 |
| <b>Prover Data</b><br>BPV 1.18620 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/°F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 42.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                           |

| Run     | TEMPERATURE<br>Tp Tm | PRESSURE<br>Pp Pm | PULSES<br>N | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|----------------------|-------------------|-------------|----------------|---------|--------------------|
| 1       | 81.4 81.4            | 40.0 42.0         | 11863.440   | 1 Yes          | 1.00199 | 31.340             |
| 2       | 80.1 80.1            | 40.0 42.0         | 11861.867   | 2 Yes          | 1.00208 | 31.328             |
| 3       | 79.4 79.4            | 40.0 42.0         | 11860.686   | 3 Yes          | 1.00215 | 31.357             |
| 4       | 79.4 79.4            | 40.0 42.0         | 11862.156   | 4 Yes          | 1.00203 | 31.332             |
| 5       | 79.4 79.4            | 40.0 42.0         | 11860.521   | 5 Yes          | 1.00217 | 31.344             |
| Average | 79.9 79.9            | 40.0 42.0         | 11861.7340  |                | 1.00208 | 31.340             |

(1) GSVp: BPV \* [CTSp \* CPSP \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18620 | 1.00037 | 1.00003 | 0.98991 | 1.00024 | 0.99054 | 1.17696 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11861.7340 | 10000.0000 | 1.18617 | 0.98991 | 1.00025 | 0.99016 | 1.17450 |

(3) Proving Factors:

>>>> (1) GSVp + ISVm = 1.0021 MF  
 (2) MF \* CPL = 1.0023 CMF  
 (3) 1 + MF = 0.9979 MA  
 (4) NKF + MF = 9979.0 KF  
 (5) KF + CPL = 9977.0 CKF

Repeatability: 0.018 %  
 Uncertainty: 0.010 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

Witness:

PROVE

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC 33 T24N R8W

| Meter Data                                                                                                                                                                                                             | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WPX112 WPX 112</b><br>Factor Tracked Meter Factor(MF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size in<br>Serial No.<br>Model No. CMF200M                                     | Name Crude<br>Batch No.<br>Obs. Gravity 44.0 °API<br>Obs. Temp 97.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.8 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                              | <div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> Task ID 1484353852 1484358414<br>Date 01/13/2017 01/13/2017<br>Time 11:30 12:13<br>Product Crude Crude<br>Flowrate 41 bbl/hr 31 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 40.8°API 40.8 °API<br><br>Avg Prvr Temp 95.2 96.5<br>Avg Prvr Press 35.0 37.0<br>Repeatability 0.022 % 0.039 %<br>MF 1.0010 1.0010<br>MF Variance 0.0000 |
| <b>Prover Data</b><br><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/°F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.060 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br><br>Normal Op. Pressure 36.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                               |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bb/hr    |
| 1       | 96.7        | 96.7 | 37.0     | 37.0 | 11879.839  | 1              | Yes | 1.00088 | 31.262   |
| 2       | 96.4        | 96.4 | 37.0     | 37.0 | 11876.142  | 2              | Yes | 1.00120 | 31.244   |
| 3       | 96.3        | 96.3 | 37.0     | 37.0 | 11878.298  | 3              | Yes | 1.00101 | 31.250   |
| 4       | 96.6        | 96.6 | 37.0     | 37.0 | 11880.736  | 4              | Yes | 1.00081 | 31.251   |
| 5       | 96.4        | 96.4 | 37.0     | 37.0 | 11878.270  | 5              | Yes | 1.00101 | 31.284   |
| Average | 96.5        | 96.5 | 37.0     | 37.0 | 11878.6566 |                |     | 1.00098 | 31.258   |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00068 | 1.00003 | 0.98140 | 1.00023 | 0.98232 | 1.16719 |

(2) ISVm:  $[N(avg) + NKF = IVm] * [CTLm * CPLm = CCFm]$

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11878.6566 | 10000.0000 | 1.18787 | 0.98140 | 1.00023 | 0.98163 | 1.16605 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0010 MF  
 (2) MF \* CPL = 1.0012 CMF  
 (3) 1 ÷ MF = 0.9990 MA  
 (4) NKF ÷ MF = 9990.0 KF  
 (5) KF ÷ CPL = 9988.0 CKF

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Repeatability: 0.039 %  
 Uncertainty: 0.021 %

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Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC 32 T24N R8W

| Meter Data                                                                                                                                                                                                             | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WPX114H WPX 114H</b><br>Factor Tracked Meter Factor(MF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14504519<br>Model No. CMF200M                     | Name Crude<br>Batch No.<br>Obs. Gravity 43.4 °API<br>Obs. Temp 100.1 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 39.9 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                             | <div style="display: flex; justify-content: space-between;"> <div>Previous</div> <div>Current</div> </div> Task ID 1486762844 1486764182<br>Date 02/10/2017 02/10/2017<br>Time 8:40 9:03<br>Product Crude Crude<br>Flowrate 42 bbl/hr 21 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 39.9°API 39.9 °API<br><br>Avg Prvr Temp 99.3 99.1<br>Avg Prvr Press 37.0 42.0<br>Repeatability 0.028 % 0.012 %<br>MF 1.0014 1.0013<br>MF Variance -0.0011 -0.0001 |
| <b>Prover Data</b><br><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/°F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br><br>Normal Op. Pressure 44.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0003                                                                                                                                                                                                                                                                                                                    |

| Run     | TEMPERATURE<br>Tp Tm | PRESSURE<br>Pp Pm | PULSES<br>N | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|----------------------|-------------------|-------------|----------------|---------|--------------------|
| 1       | 99.9 99.9            | 42.0 44.0         | 11876.179   | 1 Yes          | 1.00125 | 20.829             |
| 2       | 99.3 99.3            | 42.0 44.0         | 11875.587   | 2 Yes          | 1.00130 | 20.841             |
| 3       | 98.9 98.9            | 42.0 44.0         | 11875.165   | 3 Yes          | 1.00131 | 20.841             |
| 4       | 98.7 98.7            | 42.0 44.0         | 11875.224   | 4 Yes          | 1.00131 | 20.822             |
| 5       | 98.6 98.6            | 42.0 44.0         | 11874.543   | 5 Yes          | 1.00137 | 20.881             |
| Average | 99.1 99.1            | 42.0 44.0         | 11875.3396  |                | 1.00131 | 20.843             |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00073 | 1.00003 | 0.98028 | 1.00026 | 0.98128 | 1.16596 |

(2) ISVm:  $[N(avg) \div NKF = IVm] * [CTLm * CPLm = CCFm]$

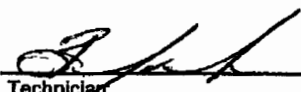
|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11875.3396 | 10000.0000 | 1.18753 | 0.98028 | 1.00027 | 0.98054 | 1.16442 |

(3) Proving Factors:

>>>> (1) GSVp + ISVm = 1.0013 MF  
 (2) MF \* CPL = 1.0016 CMF  
 (3) 1 ÷ MF = 0.9987 MA  
 (4) NKF + MF = 9987.0 KF  
 (5) KF + CPL = 9984.0 CKF

Repeatability: 0.012 %  
 Uncertainty: 0.006 %

|                                                                                                                                              |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br><br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

  
 Technician:

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 Operator:  
 Location:  
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|                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Meter Data</b><br><b>WPX114H WPX 114H</b><br>Factor Tracked Meter Factor(MF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size in<br>Serial No. 14504519<br>Model No. CMF200M | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 41.4 °API<br>Obs. Temp 71.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.5 °API HYC Y                                                                                                                                                                                                                                                                                                                                                           | <b>Proving Data</b><br><div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> Task ID 1484358676 1484359618<br>Date 01/13/2017 01/13/2017<br>Time 12:51 13:06<br>Product Crude Crude<br>Flowrate 42 bbl/hr 21 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 40.5°API 40.5 °API<br>Avg Prvr Temp 78.0 76.2<br>Avg Prvr Press 38.0 39.0<br>Repeatability 0.049 % 0.027 %<br>MF 1.0022 1.0025<br>MF Variance 0.0003 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/°F<br>Certified     | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 39.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                                                      |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 76.6        | 76.6 | 39.0     | 40.0 | 11858.113  | 1              | Yes | 1.00236 | 20.923   |
| 2       | 76.8        | 78.6 | 39.0     | 40.0 | 11854.892  | 2              | Yes | 1.00263 | 20.867   |
| 3       | 75.7        | 75.7 | 39.0     | 40.0 | 11857.576  | 3              | Yes | 1.00238 | 20.941   |
| 4       | 76.2        | 76.2 | 39.0     | 40.0 | 11856.651  | 4              | Yes | 1.00247 | 20.889   |
| 5       | 76.1        | 76.1 | 39.0     | 40.0 | 11855.602  | 5              | Yes | 1.00256 | 20.916   |
| Average | 76.2        | 76.2 | 39.0     | 40.0 | 11856.5668 |                |     | 1.00248 | 20.907   |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00030 | 1.00003 | 0.99180 | 1.00023 | 0.99236 | 1.17912 |

(2) ISVm:  $[N(avg) \div NKF = IVm] * [CTLm * CPLm = CCFm]$

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11856.5668 | 10000.0000 | 1.18566 | 0.99180 | 1.00023 | 0.99203 | 1.17621 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0025 MF  
 (2) MF \* CPL = 1.0027 CMF  
 (3) 1 + MF = 0.9975 MA  
 (4) NKF ÷ MF = 9975.1 KF  
 (5) KF + CPL = 9973.1 CKF

Repeatability: 0.027 %  
 Uncertainty: 0.014 %

|                                                                                                                                          |                   |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

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 Operator:  
 Location:  
 Federal ID: SEC 32 T24N R8W

| Meter Data                                                                                                                                                                                           | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WPX114H WPX 114H</b><br>Factor Tracked Meter Factor(MF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14504519<br>Model No. CMF 200M  | <b>Name Crude</b><br>Batch No.<br>Obs. Gravity 41.2 °API<br>Obs. Temp 63.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.9 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                           | <div style="display: flex; justify-content: space-between;"> <div> <b>Previous</b><br/>           Task ID 1489697728<br/>           Date 03/16/2017<br/>           Time 8:55<br/>           Product Crude<br/>           Flowrate 42 bbl/hr<br/>           Totalizer<br/>           Throughput<br/>           Base Density 40.9°API         </div> <div> <b>Current</b><br/>           1489698664<br/>           03/16/2017<br/>           9:10<br/>           Crude<br/>           21 bbl/hr<br/>           40.9 °API         </div> </div> |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-6 1/F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | Avg Prvr Temp 63.7 63.0<br>Avg Prvr Press 39.0 38.0<br>Repeatability 0.047 % 0.013 %<br>MF 1.0030 1.0035<br>MF Variance 0.0017 0.0005                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 38.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                                                                                                        |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|-------------|------|----------|------|------------|----------------|---------|--------------------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |         |                    |
| 1       | 62.8        | 62.8 | 38.0     | 39.0 | 11840.782  | 1 Yes          | 1.00355 | 20.839             |
| 2       | 62.9        | 62.9 | 38.0     | 39.0 | 11842.400  | 2 Yes          | 1.00342 | 20.908             |
| 3       | 63.1        | 63.1 | 38.0     | 39.0 | 11841.923  | 3 Yes          | 1.00347 | 20.910             |
| 4       | 63.0        | 63.0 | 38.0     | 39.0 | 11841.713  | 4 Yes          | 1.00348 | 20.896             |
| 5       | 63.1        | 63.1 | 38.0     | 39.0 | 11841.365  | 5 Yes          | 1.00351 | 20.903             |
| Average | 63.0        | 63.0 | 38.0     | 39.0 | 11841.6366 |                | 1.00349 | 20.891             |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00006 | 1.00003 | 0.99848 | 1.00021 | 0.99878 | 1.18675 |

(2) ISVm: [N(avg) + NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11841.6366 | 10000.0000 | 1.18416 | 0.99848 | 1.00022 | 0.99870 | 1.18262 |

(3) Proving Factors:

>>>> (1) GSVp + ISVm = 1.0035 MF  
 (2) MF \* CPL = 1.0037 CMF  
 (3) 1 + MF = 0.9965 MA  
 (4) NKF + MF = 9965.1 KF  
 (5) KF + CPL = 9963.1 CKF

Repeatability: 0.013 %  
 Uncertainty: 0.007 %

|                                                                                                                                          |                   |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:

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Witness:

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC 4 T23N R8W

| Meter Data                                                                                                                                                                                           | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WPX282H WPX 282H</b><br>Factor Tracked Meter Factor(MF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14504527<br>Model No. CMF 200M  | Name Crude<br>Batch No.<br>Obs. Gravity 41.3 °API<br>Obs. Temp 72.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.3 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                  | <div style="display: flex; justify-content: space-between;"> <div>Previous</div> <div>Current</div> </div> Task ID 1489694289 1489696065<br>Date 03/16/2017 03/16/2017<br>Time 7:58 8:11<br>Product Crude Crude<br>Flowrate 42 bbl/hr 21 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 40.3°API 40.3 °API<br>Avg Pvr Temp 86.4 86.9<br>Avg Pvr Press 39.0 38.0<br>Repeatability 0.026 % 0.042 %<br>MF 1.0006 1.0006<br>MF Variance 0.0001 0.0000 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 38.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 87.0        | 87.0 | 38.0     | 40.0 | 11879.189  | 1              | Yes | 1.00075 | 20.888   |
| 2       | 85.6        | 85.6 | 38.0     | 40.0 | 11882.545  | 2              | Yes | 1.00045 | 20.906   |
| 3       | 86.2        | 86.2 | 38.0     | 40.0 | 11881.801  | 3              | Yes | 1.00053 | 20.884   |
| 4       | 87.1        | 87.1 | 38.0     | 40.0 | 11882.605  | 4              | Yes | 1.00047 | 20.887   |
| 5       | 88.4        | 88.4 | 38.0     | 40.0 | 11878.069  | 5              | Yes | 1.00087 | 20.874   |
| Average | 86.9        | 86.9 | 38.0     | 40.0 | 11880.8418 |                |     | 1.00061 | 20.888   |

(1) GSVp:  $BPV * [CTSp * CPSP * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00050 | 1.00003 | 0.98639 | 1.00023 | 0.98714 | 1.17292 |

(2) ISVm:  $[N(avg) + NKF = IVm] * [CTLm * CPLm = CCFm]$

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11880.8418 | 10000.0000 | 1.18808 | 0.98639 | 1.00024 | 0.98663 | 1.17220 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0006 MF  
 (2) MF \* CPL = 1.0008 CMF  
 (3) 1 ÷ MF = 0.9994 MA  
 (4) NKF + MF = 9994.0 KF  
 (5) KF + CPL = 9992.0 CKF

Repeatability: 0.042 %  
 Uncertainty: 0.022 %

|                                                                                                                                          |                   |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:  
 PROVE

Witness:

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC 4 T23N R6W

| Meter Data                                                                                                                                                                                                    | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WPX282H WPX 282H</b><br>Factor Tracked Meter Factor(MF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14504527<br>Model No. CMF200M            | Name Crude<br>Batch No.<br>Obs. Gravity 41.8 °API<br>Obs. Temp 95.6 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 38.8 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                  | <div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> Task ID 1486766839 1486767979<br>Date 02/10/2017 02/10/2017<br>Time 9:47 10:06<br>Product Crude Crude<br>Flowrate 42 bbl/hr 21 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 38.8°API 38.8 °API<br>Avg Prvr Temp 94.2 94.5<br>Avg Prvr Press 36.0 41.0<br>Repeatability 0.025 % 0.032 %<br>MF 1.0006 1.0005<br>MF Variance 0.0002 -0.0001 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 42.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0003                                                                                                                                                                                                                                                                                                                                      |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 94.5        | 94.5 | 41.0     | 42.0 | 11881.391  | 1              | Yes | 1.00071 | 20.852   |
| 2       | 94.2        | 94.2 | 41.0     | 42.0 | 11884.277  | 2              | Yes | 1.00047 | 20.823   |
| 3       | 94.3        | 94.3 | 41.0     | 42.0 | 11882.510  | 3              | Yes | 1.00062 | 20.820   |
| 4       | 94.7        | 94.7 | 41.0     | 42.0 | 11884.688  | 4              | Yes | 1.00045 | 20.781   |
| 5       | 94.8        | 94.8 | 41.0     | 42.0 | 11885.322  | 5              | Yes | 1.00039 | 20.758   |
| Average | 94.5        | 94.5 | 41.0     | 42.0 | 11883.6376 |                |     | 1.00053 | 20.807   |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00064 | 1.00003 | 0.98283 | 1.00025 | 0.98373 | 1.16887 |

(2) ISVm:  $[N(avg) + NKF = IVm] * [CTLm * CPLm = CCFm]$

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11883.6376 | 10000.0000 | 1.18836 | 0.98283 | 1.00025 | 0.98308 | 1.16825 |

(3) Proving Factors:

>>>> (1) GSVp + ISVm = 1.0005 MF  
 (2) MF \* CPL = 1.0008 CMF  
 (3) 1 + MF = 0.9995 MA  
 (4) NKF + MF = 9995.0 KF  
 (5) KF + CPL = 9992.0 CKF

Repeatability: 0.032 %  
 Uncertainty: 0.017 %

|                                                                                                                                          |                   |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:

Witness:

PROVE

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC 4 T23N R8W

|                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Meter Data</b><br><b>WPX282H WPX 282H</b><br>Factor Tracked Meter Factor(MF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size in<br>Serial No. 14604527<br>Model No. CMF200M | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 42.2 °API<br>Obs. Temp 86.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.0 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                       | <b>Proving Data</b><br><div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> Task ID 1484362484 1484363710<br>Date 01/13/2017 01/13/2017<br>Time 13:54 14:15<br>Product Crude Crude<br>Flowrate 42 bbl/hr 21 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 40.0 °API 40.0 °API<br><br>Avg Prvr Temp 80.8 81.6<br>Avg Prvr Press 39.0 39.0<br>Repeatability 0.047 % 0.017 %<br>MF 1.0007 1.0004<br>MF Variance -0.0003 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/F<br><br>Certified  | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 40.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                                                            |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES<br>N | Run Accepted ? |     | IMF     | Flowrate<br>bbl/hr |
|---------|-------------|------|----------|------|-------------|----------------|-----|---------|--------------------|
|         | Tp          | Tm   | Pp       | Pm   |             |                |     |         |                    |
| 1       | 80.4        | 80.4 | 39.0     | 40.0 | 11882.290   | 1              | Yes | 1.00037 | 20.838             |
| 2       | 81.9        | 81.9 | 39.0     | 40.0 | 11883.230   | 2              | Yes | 1.00033 | 20.743             |
| 3       | 81.9        | 81.9 | 39.0     | 40.0 | 11883.249   | 3              | Yes | 1.00033 | 20.817             |
| 4       | 81.9        | 81.9 | 39.0     | 40.0 | 11881.154   | 4              | Yes | 1.00050 | 20.939             |
| 5       | 81.9        | 81.9 | 39.0     | 40.0 | 11882.410   | 5              | Yes | 1.00040 | 20.813             |
| Average | 81.6        | 81.6 | 39.0     | 40.0 | 11882.4666  |                |     | 1.00039 | 20.830             |

(1) GSVp: BPV \* [CTSp \* CPSP \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00040 | 1.00003 | 0.98912 | 1.00023 | 0.98977 | 1.17604 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11882.4666 | 10000.0000 | 1.18825 | 0.98912 | 1.00023 | 0.98935 | 1.17560 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0004 MF  
 (2) MF \* CPL = 1.0006 CMF  
 (3) 1 + MF = 0.9996 MA  
 (4) NKF + MF = 9996.0 KF  
 (5) KF + CPL = 9994.0 CKF

Repeatability: 0.017 %  
 Uncertainty: 0.009 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician: Clinton York - Meter Provers Inc.

Witness:



Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.3L T23N R8W

| <b>Meter Data</b><br>67455821 WPX 404H<br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14502902<br>Model No.    | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 41.8 °API<br>Obs. Temp 84.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 39.8 °API HYC Y                                                                                                                                                                                                                                                                                                                                                           | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;"><u>Previous</u></th> <th style="text-align: left;"><u>Current</u></th> </tr> <tr> <td>Task ID 1484269828</td> <td>1484270892</td> </tr> <tr> <td>Date 01/12/2017</td> <td>01/12/2017</td> </tr> <tr> <td>Time 12:10</td> <td>12:28</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 42 bbl/hr</td> <td>21 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> </tr> <tr> <td>Base Density 39.8°API</td> <td>39.8 °API</td> </tr> <tr> <td>Avg Prvr Temp 82.9</td> <td>83.7</td> </tr> <tr> <td>Avg Prvr Press 39.0</td> <td>40.0</td> </tr> <tr> <td>Repeatability 0.044 %</td> <td>0.047 %</td> </tr> <tr> <td>CMF 0.9977</td> <td>0.9932</td> </tr> <tr> <td>CMF Variance 0.0098</td> <td>-0.0045</td> </tr> </table> | <u>Previous</u> | <u>Current</u> | Task ID 1484269828 | 1484270892 | Date 01/12/2017 | 01/12/2017 | Time 12:10 | 12:28 | Product Crude | Crude | Flowrate 42 bbl/hr | 21 bbl/hr | Totalizer |  | Throughput |  | Base Density 39.8°API | 39.8 °API | Avg Prvr Temp 82.9 | 83.7 | Avg Prvr Press 39.0 | 40.0 | Repeatability 0.044 % | 0.047 % | CMF 0.9977 | 0.9932 | CMF Variance 0.0098 | -0.0045 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--------------------|------------|-----------------|------------|------------|-------|---------------|-------|--------------------|-----------|-----------|--|------------|--|-----------------------|-----------|--------------------|------|---------------------|------|-----------------------|---------|------------|--------|---------------------|---------|
| <u>Previous</u>                                                                                                                                                                                               | <u>Current</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Task ID 1484269828                                                                                                                                                                                            | 1484270892                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Date 01/12/2017                                                                                                                                                                                               | 01/12/2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Time 12:10                                                                                                                                                                                                    | 12:28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Product Crude                                                                                                                                                                                                 | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Flowrate 42 bbl/hr                                                                                                                                                                                            | 21 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Totalizer                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Throughput                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Base Density 39.8°API                                                                                                                                                                                         | 39.8 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Avg Prvr Temp 82.9                                                                                                                                                                                            | 83.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Avg Prvr Press 39.0                                                                                                                                                                                           | 40.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Repeatability 0.044 %                                                                                                                                                                                         | 0.047 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| CMF 0.9977                                                                                                                                                                                                    | 0.9932                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| CMF Variance 0.0098                                                                                                                                                                                           | -0.0045                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 41.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bb/hr    |
| 1       | 83.9        | 83.9 | 40.0     | 41.0 | 11973.682  | 1              | Yes | 0.99281 | 20.680   |
| 2       | 83.7        | 83.7 | 40.0     | 41.0 | 11974.093  | 2              | Yes | 0.99278 | 20.686   |
| 3       | 83.7        | 83.7 | 40.0     | 41.0 | 11972.115  | 3              | Yes | 0.99293 | 20.687   |
| 4       | 83.6        | 83.6 | 40.0     | 41.0 | 11968.323  | 4              | Yes | 0.99325 | 20.690   |
| 5       | 83.9        | 83.9 | 40.0     | 41.0 | 11971.422  | 5              | Yes | 0.99289 | 20.678   |
| Average | 83.7        | 83.7 | 40.0     | 41.0 | 11971.9270 |                |     | 0.99295 | 20.680   |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00044 | 1.00003 | 0.98808 | 1.00024 | 0.98878 | 1.17487 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11971.9270 | 10000.0000 | 1.19719 | 0.98808 | 1.00024 | 0.98832 | 1.18321 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 0.9930 MF  
 (2) MF \* CPL = 0.9932 CMF  
 (3) 1 ÷ MF = 1.0070 MA  
 (4) NKF ÷ MF = 10070 KF  
 (5) KF ÷ CPL = 10068 CKF

Repeatability: 0.047 %  
 Uncertainty: 0.025 %

|                                                                                                                                          |                   |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician: Clinton York - Meter Provers Inc.

Witness:

**PROVE**

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 PROVEit PROVER 8.7.0.0

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 Revision: 1

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.3L T23N R8W

| <b>Meter Data</b><br><b>67455821 WPX 404H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 In<br>Serial No. 14502902<br>Model No. | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 43.4 °API<br>Obs. Temp 90.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.8 °API HYC Y                                                                                                                                                                                                                                                                                                                                                           | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;">Previous</th> <th style="text-align: left;">Current</th> </tr> <tr> <td>Task ID 1489628384</td> <td>1489629320</td> </tr> <tr> <td>Date 03/15/2017</td> <td>03/15/2017</td> </tr> <tr> <td>Time 13:39</td> <td>13:55</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 42 bbl/hr</td> <td>21 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> </tr> <tr> <td>Base Density 40.8°API</td> <td>40.8 °API</td> </tr> <tr> <td>Avg Prvr Temp 88.1</td> <td>89.4</td> </tr> <tr> <td>Avg Prvr Press 40.0</td> <td>38.0</td> </tr> <tr> <td>Repeatability 0.038 %</td> <td>0.022 %</td> </tr> <tr> <td>CMF 0.9976</td> <td>0.9932</td> </tr> <tr> <td>CMF Variance 0.0029</td> <td>-0.0044</td> </tr> </table> | Previous | Current | Task ID 1489628384 | 1489629320 | Date 03/15/2017 | 03/15/2017 | Time 13:39 | 13:55 | Product Crude | Crude | Flowrate 42 bbl/hr | 21 bbl/hr | Totalizer |  | Throughput |  | Base Density 40.8°API | 40.8 °API | Avg Prvr Temp 88.1 | 89.4 | Avg Prvr Press 40.0 | 38.0 | Repeatability 0.038 % | 0.022 % | CMF 0.9976 | 0.9932 | CMF Variance 0.0029 | -0.0044 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|--------------------|------------|-----------------|------------|------------|-------|---------------|-------|--------------------|-----------|-----------|--|------------|--|-----------------------|-----------|--------------------|------|---------------------|------|-----------------------|---------|------------|--------|---------------------|---------|
| Previous                                                                                                                                                                                                          | Current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Task ID 1489628384                                                                                                                                                                                                | 1489629320                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Date 03/15/2017                                                                                                                                                                                                   | 03/15/2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Time 13:39                                                                                                                                                                                                        | 13:55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Product Crude                                                                                                                                                                                                     | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Flowrate 42 bbl/hr                                                                                                                                                                                                | 21 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Totalizer                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Throughput                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Base Density 40.8°API                                                                                                                                                                                             | 40.8 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Avg Prvr Temp 88.1                                                                                                                                                                                                | 89.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Avg Prvr Press 40.0                                                                                                                                                                                               | 38.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| Repeatability 0.038 %                                                                                                                                                                                             | 0.022 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| CMF 0.9976                                                                                                                                                                                                        | 0.9932                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| CMF Variance 0.0029                                                                                                                                                                                               | -0.0044                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 In<br>W.T. 0.322 In<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/°F<br>Certified             | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 38.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |         |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                       |           |                    |      |                     |      |                       |         |            |        |                     |         |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 89.1        | 89.1 | 38.0     | 39.0 | 11971.660  | 1              | Yes | 0.99306 | 20.680   |
| 2       | 89.4        | 89.4 | 38.0     | 39.0 | 11972.342  | 2              | Yes | 0.99302 | 20.666   |
| 3       | 89.4        | 89.4 | 38.0     | 39.0 | 11970.524  | 3              | Yes | 0.99317 | 20.652   |
| 4       | 89.5        | 89.5 | 38.0     | 39.0 | 11972.170  | 4              | Yes | 0.99302 | 20.646   |
| 5       | 89.6        | 89.6 | 38.0     | 39.0 | 11973.172  | 5              | Yes | 0.99295 | 20.679   |
| Average | 89.4        | 89.4 | 38.0     | 39.0 | 11971.9736 |                |     | 0.99304 | 20.665   |

(1) GSVp: BPV \* [CTS<sub>p</sub> \* CPS<sub>p</sub> \* CTL<sub>p</sub> \* CPL<sub>p</sub> = CCF<sub>p</sub>]

|         |                  |                  |                  |                  |                  |         |
|---------|------------------|------------------|------------------|------------------|------------------|---------|
| BPV     | CTS <sub>p</sub> | CPS <sub>p</sub> | CTL <sub>p</sub> | CPL <sub>p</sub> | CCF <sub>p</sub> | GSVp    |
| 1.18820 | 1.00055          | 1.00003          | 0.98503          | 1.00023          | 0.98583          | 1.17136 |

(2) ISVm: [N(avg) + NKF + IVm] \* [CTL<sub>m</sub> \* CPL<sub>m</sub> = CCF<sub>m</sub>]

|            |            |         |                  |                  |                  |         |
|------------|------------|---------|------------------|------------------|------------------|---------|
| N(avg)     | NKF        | IVm     | CTL <sub>m</sub> | CPL <sub>m</sub> | CCF <sub>m</sub> | ISVm    |
| 11971.9736 | 10000.0000 | 1.19720 | 0.98503          | 1.00024          | 0.98527          | 1.17957 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 0.9930 MF  
 (2) MF \* CPL = 0.9932 CMF  
 (3) 1 ÷ MF = 1.0070 MA  
 (4) NKF ÷ MF = 10070 KF  
 (5) KF ÷ CPL = 10068 CKF

Repeatability: 0.022 %  
 Uncertainty: 0.012 %

|                                                                                                                                          |                   |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:

PROVE

Witness:



Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.3L T23N R8W

| <b>Meter Data</b><br>67455821 WPX 404H<br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14502902<br>Model No.    | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 42.4 °API<br>Obs. Temp 91.3 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 39.7 °API HYC Y                                                                                                                                                                                                                                                                                                                                                           | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th style="text-align: left;"><u>Previous</u></th> <th style="text-align: left;"><u>Current</u></th> </tr> <tr> <td>Task ID 1486771354</td> <td>1486772420</td> </tr> <tr> <td>Date 02/10/2017</td> <td>02/10/2017</td> </tr> <tr> <td>Time 11:02</td> <td>11:20</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 42 bbl/hr</td> <td>21 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> </tr> <tr> <td>Base Density 39.7 °API</td> <td>39.7 °API</td> </tr> <tr> <td>Avg Pvr Temp 90.4</td> <td>90.1</td> </tr> <tr> <td>Avg Pvr Press 37.0</td> <td>44.0</td> </tr> <tr> <td>Repeatability 0.021 %</td> <td>0.036 %</td> </tr> <tr> <td>CMF 0.9989</td> <td>0.9947</td> </tr> <tr> <td>CMF Variance 0.0057</td> <td>-0.0042</td> </tr> </table> | <u>Previous</u> | <u>Current</u> | Task ID 1486771354 | 1486772420 | Date 02/10/2017 | 02/10/2017 | Time 11:02 | 11:20 | Product Crude | Crude | Flowrate 42 bbl/hr | 21 bbl/hr | Totalizer |  | Throughput |  | Base Density 39.7 °API | 39.7 °API | Avg Pvr Temp 90.4 | 90.1 | Avg Pvr Press 37.0 | 44.0 | Repeatability 0.021 % | 0.036 % | CMF 0.9989 | 0.9947 | CMF Variance 0.0057 | -0.0042 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--------------------|------------|-----------------|------------|------------|-------|---------------|-------|--------------------|-----------|-----------|--|------------|--|------------------------|-----------|-------------------|------|--------------------|------|-----------------------|---------|------------|--------|---------------------|---------|
| <u>Previous</u>                                                                                                                                                                                               | <u>Current</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Task ID 1486771354                                                                                                                                                                                            | 1486772420                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Date 02/10/2017                                                                                                                                                                                               | 02/10/2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Time 11:02                                                                                                                                                                                                    | 11:20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Product Crude                                                                                                                                                                                                 | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Flowrate 42 bbl/hr                                                                                                                                                                                            | 21 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Totalizer                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Throughput                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Base Density 39.7 °API                                                                                                                                                                                        | 39.7 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Avg Pvr Temp 90.4                                                                                                                                                                                             | 90.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Avg Pvr Press 37.0                                                                                                                                                                                            | 44.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                    |      |                       |         |            |        |                     |         |
| Repeatability 0.021 %                                                                                                                                                                                         | 0.036 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                    |      |                       |         |            |        |                     |         |
| CMF 0.9989                                                                                                                                                                                                    | 0.9947                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                    |      |                       |         |            |        |                     |         |
| CMF Variance 0.0057                                                                                                                                                                                           | -0.0042                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                    |      |                       |         |            |        |                     |         |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 45.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                |                    |            |                 |            |            |       |               |       |                    |           |           |  |            |  |                        |           |                   |      |                    |      |                       |         |            |        |                     |         |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 90.4        | 90.4 | 44.0     | 44.0 | 11953.990  | 1              | Yes | 0.99458 | 20.724   |
| 2       | 90.2        | 90.2 | 44.0     | 44.0 | 11954.633  | 2              | Yes | 0.99452 | 20.694   |
| 3       | 90.0        | 90.0 | 44.0     | 44.0 | 11958.191  | 3              | Yes | 0.99422 | 20.701   |
| 4       | 90.1        | 90.1 | 44.0     | 44.0 | 11955.494  | 4              | Yes | 0.99445 | 20.701   |
| 5       | 90.1        | 90.1 | 44.0     | 44.0 | 11956.107  | 5              | Yes | 0.99440 | 20.705   |
| Average | 90.1        | 90.1 | 44.0     | 44.0 | 11955.8830 |                |     | 0.99443 | 20.705   |

(1) GSVp: BPV \* [CTSp \* CPSP \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00056 | 1.00004 | 0.98487 | 1.00026 | 0.98572 | 1.17123 |

(2) ISVm: [N(avg) + NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11955.8830 | 10000.0000 | 1.19557 | 0.98487 | 1.00026 | 0.98513 | 1.17779 |

(3) Proving Factors:

|                               |     |                                                                                                                                          |
|-------------------------------|-----|------------------------------------------------------------------------------------------------------------------------------------------|
| >>>> (1) GSVp + ISVm = 0.9944 | MF  | Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found |
| (2) MF * CPL = 0.9947         | CMF |                                                                                                                                          |
| (3) 1 + MF = 1.0056           | MA  |                                                                                                                                          |
| (4) NKF + MF = 10056          | KF  |                                                                                                                                          |
| (5) KF + CPL = 10053          | CKF |                                                                                                                                          |

Repeatability: 0.036 %  
 Uncertainty: 0.019 %

Technician:

Witness:

PROVE

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.11A T23N R8W NMPM

| Meter Data                                                                                                                                                                                                         | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67413184 WPX 407H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14494853<br>Model No.                       | Name Crude<br>Batch No.<br>Obs. Gravity 45.5 °API<br>Obs. Temp 96.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 42.3 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                              | <div style="display: flex; justify-content: space-between;"> <div>Previous</div> <div>Current</div> </div> Task ID 1486674095 1486676160<br>Date 02/09/2017 02/09/2017<br>Time 8:01 8:19<br>Product Crude Crude<br>Flowrate 41 bbl/hr 21 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 42.3°API 42.3 °API<br><br>Avg Prvr Temp 100.6 100.3<br>Avg Prvr Press 34.0 40.0<br>Repeatability 0.028 % 0.032 %<br>CMF 0.9902 0.9899<br>CMF Variance -0.0003 -0.0003 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/°F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 6 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 44.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0003                                                                                                                                                                                                                                                                                                                            |

| Run     | TEMPERATURE<br>Tp | Tm    | PRESSURE<br>Pp | Pm   | PULSES<br>N | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|-------------------|-------|----------------|------|-------------|----------------|---------|--------------------|
| 1       | 100.2             | 100.2 | 40.0           | 44.0 | 12018.305   | 1 Yes          | 0.98941 | 20.747             |
| 2       | 100.1             | 100.1 | 40.0           | 44.0 | 12014.567   | 2 Yes          | 0.98971 | 20.696             |
| 3       | 100.2             | 100.2 | 40.0           | 44.0 | 12015.053   | 3 Yes          | 0.98968 | 20.700             |
| 4       | 100.3             | 100.3 | 40.0           | 44.0 | 12014.820   | 4 Yes          | 0.98970 | 20.682             |
| 5       | 100.4             | 100.4 | 40.0           | 44.0 | 12014.365   | 5 Yes          | 0.98973 | 20.664             |
| Average | 100.3             | 100.3 | 40.0           | 44.0 | 12015.4220  |                | 0.98965 | 20.698             |

(1) GSVp: BPV \* [CTSp \* CPSP \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00075 | 1.00003 | 0.97909 | 1.00026 | 0.98011 | 1.16457 |

(2) ISVm: [N(avg) + NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 12015.4220 | 10000.0000 | 1.20154 | 0.97909 | 1.00029 | 0.97937 | 1.17675 |

(3) Proving Factors:

>>>> (1) GSVp + ISVm = 0.9896 MF  
 (2) MF \* CPL = 0.9899 CMF  
 (3) 1 + MF = 1.0105 MA  
 (4) NKF + MF = 10105 KF  
 (5) KF + CPL = 10102 CKF

Repeatability: 0.032 %  
 Uncertainty: 0.017 %

|                                                                                                                                              |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br><br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:

Witness:

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 Revision: 1

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.11A T23N R8W NMPM

|                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Meter Data</b><br><b>67413184 WPX 407H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14494853<br>Model No. | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 45.4 °API<br>Obs. Temp 101.5 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.7 °API HYC Y                                                                                                                                                                                                                                                                                                                                                          | <b>Proving Data</b><br><div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> Task ID 1488182234 1488184756<br>Date 03/10/2017 03/10/2017<br>Time 8:43 9:25<br>Product Crude Crude<br>Flowrate 41 bbl/hr 21 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 41.7°API 41.7 °API<br>Avg Prvr Temp 102.9 106.2<br>Avg Prvr Press 34.0 37.0<br>Repeatability 0.026 % 0.035 %<br>CMF 0.9906 0.9902<br>CMF Variance 0.0007 -0.0004 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br>Certified              | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 6 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 40.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0003                                                                                                                                                                                                                                                                                                                                                                |

| Run     | TEMPERATURE |       | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|-------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm    | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 106.6       | 106.6 | 37.0     | 40.0 | 12011.780  | 1              | Yes | 0.99006 | 20.381   |
| 2       | 106.1       | 106.1 | 37.0     | 40.0 | 12015.387  | 2              | Yes | 0.98976 | 20.511   |
| 3       | 106.1       | 106.1 | 37.0     | 40.0 | 12014.983  | 3              | Yes | 0.98979 | 20.721   |
| 4       | 106.2       | 106.2 | 37.0     | 40.0 | 12012.479  | 4              | Yes | 0.98999 | 20.580   |
| 5       | 106.3       | 106.3 | 37.0     | 40.0 | 12011.143  | 5              | Yes | 0.99011 | 20.698   |
| Average | 106.2       | 106.2 | 37.0     | 40.0 | 12013.1544 |                |     | 0.98994 | 20.578   |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00086 | 1.00003 | 0.97618 | 1.00024 | 0.97728 | 1.16120 |

(2) ISVm:  $[N(avg) + NKF = IVm] * [CTLm * CPLm = CCFm]$

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 12013.1544 | 10000.0000 | 1.20132 | 0.97618 | 1.00026 | 0.97643 | 1.17300 |

(3) Proving Factors:

|      |     |               |        |     |                                                                                                                                          |
|------|-----|---------------|--------|-----|------------------------------------------------------------------------------------------------------------------------------------------|
| >>>> | (1) | GSVp + ISVm = | 0.9899 | MF  | Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found |
|      | (2) | MF * CPL =    | 0.9902 | CMF |                                                                                                                                          |
|      | (3) | 1 + MF =      | 1.0102 | MA  |                                                                                                                                          |
|      | (4) | NKF + MF =    | 10102  | KF  |                                                                                                                                          |
|      | (5) | KF + CPL =    | 10099  | CKF |                                                                                                                                          |

Repeatability: 0.035 %  
 Uncertainty: 0.019 %

Technician:

Witness:

PROVE

Customer: WPX -

Operator:

Location:

Federal ID:

| Meter Data                                                                                                                                                                                                                                                                           | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WPX395H WPX 395H</b><br><b>Factor Tracked Composite MF(CMF)</b><br><b>Temp Compensated No</b><br><b>NKF 10000.0000 N/bbl</b><br><b>Manufacturer Micro Motion</b><br><b>Size In</b><br><b>Serial No. 14233156</b><br><b>Model No. CMF 300M</b>                                     | <b>Name Crude</b><br><b>Batch No.</b><br><b>Obs. Gravity 42.6 °API</b><br><b>Obs. Temp 90.0 °F</b><br><b>Obs. Press 0.0 psi</b><br><b>API Table Table A - Crude Oil (2004)</b><br><b>Base Density 40.0 °API</b> <b>HYC Y</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> <b>Task ID</b> 1484342220 1485982838<br><b>Date</b> 01/13/2017 02/01/2017<br><b>Time</b> 8:17 8:00<br><b>Product</b> Crude Crude<br><b>Flowrate</b> 251 bbl/hr 215 bbl/hr<br><b>Totalizer</b> 452050 455768<br><b>Throughput</b> 3718<br><b>Base Density</b> 41.5°API 40.0 °API<br><br><b>Avg Prvr Temp</b> 76.9 83.8<br><b>Avg Prvr Press</b> 82.0 82.0<br><b>Repeatability</b> 0.041 % 0.035 %<br><b>CMF</b> 1.0016 1.0021<br><b>CMF Variance</b> 0.0000 |
| <b>Prover Data</b><br><br><b>BPV 1.18620 bbl</b><br><b>I.D. 7.981 In</b><br><b>W.T. 0.322 In</b><br><b>Manufacturer DOMINION</b><br><b>Type Displacement-Sphere</b><br><b>Serial No. 23MM</b><br><b>Elasticity 3.0E7 1/psi</b><br><b>Pipe Gc 1.86E-5 1°F</b><br><br><b>Certified</b> | <b>Tolerances</b><br><b>Tolerance Type: Repeatability</b><br><b>Maximum Deviation: 0.050 %</b><br><b>Enabled? Y Passed? Y Min # of Runs: 5</b><br><b>Criteria: 5 out of 5 consecutive runs</b><br><br><b>Avg X Prev Meter Factor Deviation:</b><br><b>Enabled? N Passed? Y Prod Dep? N</b><br><b>Prev X Factor Count Sought: 1</b><br><b>Prev X Factor Count Used: 0</b><br><b>Cut Off History? N Cutoff Date:</b><br><br><b>Prev Meter Factor Deviation:</b><br><b>Enabled? N Passed? Y Prod Dep? N</b><br><br><b>Proving Mode: Volumetric</b><br><b>Density Mode: Manual</b><br><b>Calc. Method: Avg. Meter Factor</b><br><b>Proving Method: PIU</b><br><b>Passes Per Run 1</b> | <b>Liquid Properties at Metering Conditions for CMF</b><br><br><b>Normal Op. Pressure 82.0 psig</b><br><b>Eq. Vapor Pressure 0.0 psig</b><br><b>CPL 1.0005</b>                                                                                                                                                                                                                                                                                                                                                                                                                          |

| Run     | TEMPERATURE<br>Tp Tm | PRESSURE<br>Pp Pm | PULSES<br>N | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|----------------------|-------------------|-------------|----------------|---------|--------------------|
| 1       | 83.2 83.2            | 82.0 82.0         | 11870.514   | 1 Yes          | 1.00147 | 215.422            |
| 2       | 83.5 83.5            | 82.0 82.0         | 11868.306   | 2 Yes          | 1.00167 | 214.979            |
| 3       | 83.7 83.7            | 82.0 82.0         | 11870.212   | 3 Yes          | 1.00152 | 214.953            |
| 4       | 84.2 84.2            | 82.0 82.0         | 11868.603   | 4 Yes          | 1.00182 | 214.891            |
| 5       | 84.5 84.5            | 82.0 82.0         | 11868.363   | 5 Yes          | 1.00169 | 215.508            |
| Average | 83.8 83.8            | 82.0 82.0         | 11868.7996  |                | 1.00163 | 215.151            |

(1) GSVp: BPV \* [CTSp \* CPSP \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00044 | 1.00007 | 0.98801 | 1.00048 | 0.98899 | 1.17512 |

(2) ISVm: [N(avg) + NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11868.7996 | 10000.0000 | 1.18688 | 0.98801 | 1.00048 | 0.98848 | 1.17321 |

(3) Proving Factors:

>>>> (1) GSVp + ISVm = 1.0016 MF  
 (2) MF \* CPL = 1.0021 CMF  
 (3) 1 + MF = 0.9984 MA  
 (4) NKF + MF = 9984.0 KF  
 (5) KF + CPL = 9979.0 CKF

Repeatability: 0.035 %  
 Uncertainty: 0.019 %

|                                                                                                                                              |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br><br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:



Witness:

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 02/01/2017 9:00 Page: 1  
 Revision: 2

Customer: WPX -  
Operator:  
Location:  
Federal ID:

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Meter Data</b><br><b>WPX395H WPX 395H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size in<br>Serial No. 14233156<br>Model No. CMF 300M | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 42.4 °API<br>Obs. Temp 75.3 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.1 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                       | <b>Proving Data</b><br><div style="display: flex; justify-content: space-between;"> <span>Previous</span> <span>Current</span> </div> Task ID 1485982838 1488487710<br>Date 02/01/2017 03/02/2017<br>Time 8:00 7:48<br>Product Crude Crude<br>Flowrate 215 bbl/hr 242 bbl/hr<br>Totalizer 455768 462477<br>Throughput 3718 6709<br>Base Density 40.0°API 41.1 °API |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br><br>Certified             | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 6 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | Avg Pvr Temp 83.8 75.2<br>Avg Pvr Press 82.0 82.0<br>Repeatability 0.035 % 0.047 %<br>CMF 1.0021 1.0019<br>CMF Variance 0.0000 -0.0002                                                                                                                                                                                                                             |
| <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 82.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0005                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                    |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|-------------|------|----------|------|------------|----------------|---------|--------------------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |         |                    |
| 1       | 75.1        | 75.1 | 82.0     | 82.0 | 11870.434  | 1 Yes          | 1.00132 | 242.687            |
| 2       | 75.2        | 75.2 | 82.0     | 82.0 | 11866.935  | 2 Yes          | 1.00162 | 242.275            |
| 3       | 75.1        | 75.1 | 82.0     | 82.0 | 11867.757  | 3 Yes          | 1.00154 | 241.866            |
| 4       | 75.2        | 75.2 | 82.0     | 82.0 | 11872.400  | 4 Yes          | 1.00115 | 241.463            |
| 5       | 75.3        | 75.3 | 82.0     | 82.0 | 11869.790  | 5 Yes          | 1.00137 | 241.438            |
| Average | 75.2        | 75.2 | 82.0     | 82.0 | 11869.4632 |                | 1.00140 | 241.946            |

(1) GSVp: BPV \* [CTSp \* CPSP \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00028 | 1.00007 | 0.99225 | 1.00048 | 0.99307 | 1.17997 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11869.4632 | 10000.0000 | 1.18695 | 0.99225 | 1.00048 | 0.99273 | 1.17832 |

(3) Proving Factors:

>>>> (1) GSVp + ISVm = 1.0014 MF  
(2) MF \* CPL = 1.0019 CMF  
(3) 1 + MF = 0.9986 MA  
(4) NKF + MF = 9986.0 KF  
(5) KF + CPL = 9981.0 CKF

Repeatability: 0.047 %  
Uncertainty: 0.025 %

|                                                                                                                                              |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br><br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician

PROVEIT

Witness:

Customer: WPX -  
Operator:  
Location:  
Federal ID:

|                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Meter Data</b><br><b>WPX395H WPX 395H</b><br>Factor Tracked Meter Factor(MF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size in<br>Serial No. 14233156<br>Model No. CMF 300M | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 42.0 °API<br>Obs. Temp 66.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.5 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                       | <b>Proving Data</b><br><div style="display: flex; justify-content: space-between;"> <span>Previous</span> <span>Current</span> </div> Task ID 1484342220<br>Date 01/13/2017<br>Time 8:17<br>Product Crude<br>Flowrate 251 bbl/hr<br>Totalizer 452050<br>Throughput<br>Base Density 41.5 °API<br><br>Avg Pvr Temp 76.9<br>Avg Pvr Press 82.0<br>Repeatability 0.041 %<br>MF 1.0016<br>MF Variance |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/F                    | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 82.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0005                                                                                                                                                                                                                                                            |
| <b>Certified</b>                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                  |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 76.8        | 76.8 | 82.0     | 82.0 | 11868.383  | 1              | Yes | 1.00152 | 252.965  |
| 2       | 76.9        | 76.9 | 82.0     | 82.0 | 11865.387  | 2              | Yes | 1.00178 | 252.556  |
| 3       | 76.9        | 76.9 | 82.0     | 82.0 | 11865.800  | 3              | Yes | 1.00174 | 249.422  |
| 4       | 76.9        | 76.9 | 82.0     | 82.0 | 11868.020  | 4              | Yes | 1.00155 | 249.449  |
| 5       | 76.9        | 76.9 | 82.0     | 82.0 | 11870.220  | 5              | Yes | 1.00137 | 248.837  |
| Average | 76.9        | 76.9 | 82.0     | 82.0 | 11867.5620 |                |     | 1.00159 | 250.646  |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00031 | 1.00007 | 0.99134 | 1.00048 | 0.99219 | 1.17892 |

(2) ISVm: [N(avg) + NKF = IVm] \* [CTLm \* CPLm = CCFm]

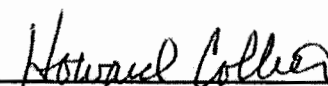
|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11867.5620 | 10000.0000 | 1.18676 | 0.99134 | 1.00048 | 0.99182 | 1.17705 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0016 MF  
(2) MF \* CPL = 1.0021 CMF  
(3) 1 ÷ MF = 0.9984 MA  
(4) NKF ÷ MF = 9984.0 KF  
(5) KF ÷ CPL = 9979.0 CKF

Repeatability: 0.041 %  
Uncertainty: 0.022 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

  
Technician: Clinton York - Meter Provers Inc.

Witness: --

PROVEIT

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PROVEIT PROVEIT 6.7.0.0

01/13/2017 10:06 Page: 1  
Revision: 1

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.11A T23N R8W NMPM

| Meter Data                                                                                                                                                                                                    | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|--------------------|------------|-----------------|------------|-----------|------|---------------|-------|--------------------|-----------|-----------|--|------------|--|------------------------|-----------|--------------------|------|---------------------|------|-----------------------|---------|------------|--------|----------------------|---------|
| <b>67413184 WPX 407H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14494853<br>Model No.                  | Name Crude<br>Batch No.<br>Obs. Gravity 44.9 °API<br>Obs. Temp 83.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 42.8 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                  | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">Previous</th> <th style="width:50%;">Current</th> </tr> <tr> <td>Task ID 1484082007</td> <td>1484082906</td> </tr> <tr> <td>Date 01/10/2017</td> <td>01/10/2017</td> </tr> <tr> <td>Time 8:00</td> <td>8:15</td> </tr> <tr> <td>Product Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate 41 bbl/hr</td> <td>14 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> </tr> <tr> <td>Base Density 42.8 °API</td> <td>42.8 °API</td> </tr> <tr> <td>Avg Prvr Temp 82.7</td> <td>82.8</td> </tr> <tr> <td>Avg Prvr Press 37.0</td> <td>41.0</td> </tr> <tr> <td>Repeatability 0.021 %</td> <td>0.026 %</td> </tr> <tr> <td>CMF 0.9910</td> <td>0.9905</td> </tr> <tr> <td>CMF Variance -0.0049</td> <td>-0.0005</td> </tr> </table> | Previous | Current | Task ID 1484082007 | 1484082906 | Date 01/10/2017 | 01/10/2017 | Time 8:00 | 8:15 | Product Crude | Crude | Flowrate 41 bbl/hr | 14 bbl/hr | Totalizer |  | Throughput |  | Base Density 42.8 °API | 42.8 °API | Avg Prvr Temp 82.7 | 82.8 | Avg Prvr Press 37.0 | 41.0 | Repeatability 0.021 % | 0.026 % | CMF 0.9910 | 0.9905 | CMF Variance -0.0049 | -0.0005 |
| Previous                                                                                                                                                                                                      | Current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Task ID 1484082007                                                                                                                                                                                            | 1484082906                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Date 01/10/2017                                                                                                                                                                                               | 01/10/2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Time 8:00                                                                                                                                                                                                     | 8:15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Product Crude                                                                                                                                                                                                 | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Flowrate 41 bbl/hr                                                                                                                                                                                            | 14 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Totalizer                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Throughput                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Base Density 42.8 °API                                                                                                                                                                                        | 42.8 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Avg Prvr Temp 82.7                                                                                                                                                                                            | 82.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Avg Prvr Press 37.0                                                                                                                                                                                           | 41.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| Repeatability 0.021 %                                                                                                                                                                                         | 0.026 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| CMF 0.9910                                                                                                                                                                                                    | 0.9905                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| CMF Variance -0.0049                                                                                                                                                                                          | -0.0005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer DOMINION<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 6 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 40.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |         |                    |            |                 |            |           |      |               |       |                    |           |           |  |            |  |                        |           |                    |      |                     |      |                       |         |            |        |                      |         |

| Run     | TEMPERATURE<br>Tp Tm | PRESSURE<br>Pp Pm | PULSES<br>N | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|----------------------|-------------------|-------------|----------------|---------|--------------------|
| 1       | 83.7 83.7            | 41.0 41.0         | 12005.744   | 1 Yes          | 0.99015 | 14.352             |
| 2       | 83.4 83.4            | 41.0 41.0         | 12003.768   | 2 Yes          | 0.99031 | 14.432             |
| 3       | 83.2 83.2            | 41.0 41.0         | 12003.099   | 3 Yes          | 0.99036 | 14.400             |
| 4       | 81.5 81.5            | 41.0 41.0         | 12002.141   | 4 Yes          | 0.99041 | 14.481             |
| 5       | 82.3 82.3            | 41.0 41.0         | 12004.398   | 5 Yes          | 0.99023 | 14.415             |
| Average | 82.8 82.8            | 41.0 41.0         | 12003.8300  |                | 0.99029 | 14.416             |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00042 | 1.00003 | 0.98813 | 1.00025 | 0.98882 | 1.17492 |

(2) ISVm: [N(avg) + NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 12003.8300 | 10000.0000 | 1.20038 | 0.98813 | 1.00025 | 0.98838 | 1.18643 |

(3) Proving Factors:

>>>> (1) GSVp + ISVm = 0.9903 MF  
 (2) MF \* CPL = 0.9905 CMF  
 (3) 1 + MF = 1.0098 MA  
 (4) NKF + MF = 10098 KF  
 (5) KF + CPL = 10096 CKF

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Repeatability: 0.026 %  
 Uncertainty: 0.014 %

Technician:                     

Witness:                     

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01/10/2017 8:07 Page: 1  
 Revision: 1

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.36 T24N R8W

|                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Meter Data</b><br><b>68425694 WPX 133H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No.<br>Model No. | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 43.2 °API<br>Obs. Temp 91.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.5 °API HYC Y                                                                                                                                                                                                                                                                                                                                                            | <b>Proving Data</b><br><div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> Task ID 1492212263 1492213240<br>Date 04/14/2017 04/14/2017<br>Time 11:24 11:40<br>Product Crude Crude<br>Flowrate 42 bbl/hr 21 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 40.5 °API 40.5 °API<br>Avg Prvr Temp 94.5 96.2<br>Avg Prvr Press 32.0 31.0<br>Repeatability 0.045 % 0.017 %<br>CMF 0.9982 0.9955<br>CMF Variance 0.0018 -0.0027 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/PF<br>Certified    | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 12 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 38.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                                                                 |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 96.7        | 96.7 | 31.0     | 39.0 | 11946.449  | 1              | Yes | 0.99526 | 20.902   |
| 2       | 96.1        | 96.1 | 31.0     | 39.0 | 11945.746  | 2              | Yes | 0.99530 | 20.671   |
| 3       | 96.0        | 96.0 | 31.0     | 39.0 | 11946.286  | 3              | Yes | 0.99525 | 20.812   |
| 4       | 96.1        | 96.1 | 31.0     | 39.0 | 11944.250  | 4              | Yes | 0.99542 | 20.759   |
| 5       | 96.1        | 96.1 | 31.0     | 39.0 | 11944.327  | 5              | Yes | 0.99542 | 20.765   |
| Average | 96.2        | 96.2 | 31.0     | 39.0 | 11945.4116 |                |     | 0.99533 | 20.782   |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00067 | 1.00003 | 0.98162 | 1.00019 | 0.98249 | 1.16739 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11945.4116 | 10000.0000 | 1.19454 | 0.98162 | 1.00024 | 0.98186 | 1.17287 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 0.9953 MF  
 (2) MF \* CPL = 0.9955 CMF  
 (3) 1 ÷ MF = 1.0047 MA  
 (4) NKF ÷ MF = 10047 KF  
 (5) KF + CPL = 10045 CKF

Repeatability: 0.017 %  
 Uncertainty: 0.009 %

|                                                                                                                                          |                   |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:   
 PROVE

Witness:



Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.36 T24N R8W

|                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Meter Data</b><br><b>68425694 WPX 133H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No.<br>Model No. | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 43.2 °API<br>Obs. Temp 91.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.5 °API HYC Y                                                                                                                                                                                                                                                                                                                                                            | <b>Proving Data</b><br><div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> Task ID 1489615798 1492212263<br>Date 03/15/2017 04/14/2017<br>Time 10:09 11:24<br>Product Crude Crude<br>Flowrate 21 bbl/hr 42 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 41.3°API 40.5 °API<br>Avg Pvr Temp 93.2 94.5<br>Avg Pvr Press 38.0 32.0<br>Repeatability 0.026 % 0.045 %<br>CMF 0.9964 0.9982<br>CMF Variance -0.0025 0.0018 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br>Certified     | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 12 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 39.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                                                              |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |         | bb/hr    |
| 1       | 89.2        | 89.2 | 32.0     | 40.0 | 11914.086  | 1 Yes          | 0.99782 | 41.591   |
| 2       | 94.1        | 94.1 | 32.0     | 40.0 | 11913.281  | 2 Yes          | 0.99798 | 41.564   |
| 3       | 95.6        | 95.6 | 32.0     | 40.0 | 11913.962  | 3 Yes          | 0.99794 | 41.560   |
| 4       | 96.5        | 96.5 | 32.0     | 40.0 | 11910.250  | 4 Yes          | 0.99827 | 41.589   |
| 5       | 96.9        | 96.9 | 32.0     | 40.0 | 11914.470  | 5 Yes          | 0.99793 | 41.541   |
| Average | 94.5        | 94.5 | 32.0     | 40.0 | 11913.2098 |                | 0.99799 | 41.569   |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00064 | 1.00003 | 0.98249 | 1.00020 | 0.98334 | 1.16840 |

(2) ISVm: [N(avg) + NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11913.2098 | 10000.0000 | 1.19132 | 0.98249 | 1.00025 | 0.98274 | 1.17076 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 0.9980 MF  
 (2) MF \* CPL = 0.9982 CMF  
 (3) 1 ÷ MF = 1.0020 MA  
 (4) NKF ÷ MF = 10020 KF  
 (5) KF ÷ CPL = 10018 CKF

Repeatability: 0.045 %  
 Uncertainty: 0.024 %

|                                                                                                                                          |                   |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:   
**PROVE**

Witness:

Customer:  
Operator:  
Location:  
Federal ID: SHL SEC.25M T24N R8W NMPM

| Meter Data                                                                                                                                                                                           | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67455818 WPX 131H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14504523<br>Model No.         | Name Crude<br>Batch No.<br>Obs. Gravity 43.5 °API<br>Obs. Temp 96.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.4 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                  | <div style="display: flex; justify-content: space-between;"> <div> <b>Previous</b><br/>           Task ID 1492220293<br/>           Date 04/14/2017<br/>           Time 13:38<br/>           Product Crude<br/>           Flowrate 42 bbl/hr<br/>           Totalizer<br/>           Throughput<br/>           Base Density 40.4 °API         </div> <div> <b>Current</b><br/>           1492221131<br/>           04/14/2017<br/>           13:52<br/>           Crude<br/>           21 bbl/hr<br/>           40.4 °API         </div> </div> |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 6<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | Avg Prvr Temp 75.8 67.5<br>Avg Prvr Press 32.0 32.0<br>Repeatability 0.013 % 0.021 %<br>CMF 1.0034 1.0056<br>CMF Variance -0.0035 0.0022                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 37.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                                                                                                           |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|-------------|------|----------|------|------------|----------------|---------|--------------------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |         |                    |
| 1       | 69.1        | 69.1 | 32.0     | 39.0 | 11820.840  | 1 Yes          | 1.00534 | 20.984             |
| 2       | 68.1        | 68.1 | 32.0     | 39.0 | 11820.516  | 2 Yes          | 1.00534 | 20.937             |
| 3       | 67.5        | 67.5 | 32.0     | 39.0 | 11817.950  | 3 Yes          | 1.00555 | 20.945             |
| 4       | 66.2        | 66.2 | 32.0     | 39.0 | 11819.909  | 4 Yes          | 1.00536 | 20.944             |
| 5       | 66.3        | 66.3 | 32.0     | 39.0 | 11817.806  | 5 Yes          | 1.00554 | 20.942             |
| Average | 67.5        | 67.5 | 32.0     | 39.0 | 11819.4042 |                | 1.00543 | 20.951             |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00014 | 1.00003 | 0.99621 | 1.00018 | 0.99656 | 1.18411 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11819.4042 | 10000.0000 | 1.18194 | 0.99621 | 1.00022 | 0.99643 | 1.17772 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0054 MF  
 (2) MF \* CPL = 1.0056 CMF  
 (3) 1 ÷ MF = 0.9946 MA  
 (4) NKF ÷ MF = 9946.3 KF  
 (5) KF ÷ CPL = 9944.3 CKF

Repeatability: 0.021 %  
 Uncertainty: 0.011 %

|                                                                                                                                          |                   |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:

PROVE

Witness:

Customer:  
Operator:  
Location:  
Federal ID: SHL SEC.25M T24N R8W NMPM

| Meter Data                                                                                                                                                                                                   | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67455818 WPX 131H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14504523<br>Model No.                 | Name Crude<br>Batch No.<br>Obs. Gravity 43.5 °API<br>Obs. Temp 96.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 40.4 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                              | <div style="display: flex; justify-content: space-between;"> <span>Previous</span> <span>Current</span> </div> Task ID 1489623501 1492220293<br>Date 03/15/2017 04/14/2017<br>Time 12:18 13:38<br>Product Crude Crude<br>Flowrate 21 bbl/hr 42 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 41.4°API 40.4 °API<br><br>Avg Pvr Temp 60.8 75.8<br>Avg Pvr Press 37.0 32.0<br>Repeatability 0.041 % 0.013 %<br>CMF 1.0069 1.0034<br>CMF Variance 0.0029 -0.0035 |
| <b>Prover Data</b><br><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 37.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                             |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|-------------|------|----------|------|------------|----------------|---------|--------------------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |         |                    |
| 1       | 82.0        | 82.0 | 32.0     | 39.0 | 11848.849  | 1 Yes          | 1.00320 | 41.778             |
| 2       | 77.2        | 77.2 | 32.0     | 39.0 | 11848.802  | 2 Yes          | 1.00312 | 41.803             |
| 3       | 74.9        | 74.9 | 32.0     | 39.0 | 11846.775  | 3 Yes          | 1.00325 | 41.804             |
| 4       | 73.1        | 73.1 | 32.0     | 39.0 | 11846.499  | 4 Yes          | 1.00323 | 41.783             |
| 5       | 71.9        | 71.9 | 32.0     | 39.0 | 11846.004  | 5 Yes          | 1.00325 | 41.783             |
| Average | 75.8        | 75.8 | 32.0     | 39.0 | 11847.3858 |                | 1.00321 | 41.790             |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00029 | 1.00003 | 0.99201 | 1.00018 | 0.99251 | 1.17930 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11847.3858 | 10000.0000 | 1.18474 | 0.99201 | 1.00023 | 0.99224 | 1.17555 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0032 MF  
 (2) MF \* CPL = 1.0034 CMF  
 (3) 1 ÷ MF = 0.9968 MA  
 (4) NKF + MF = 9968.1 KF  
 (5) KF + CPL = 9966.1 CKF

|                                                                                                                                              |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br><br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Repeatability: 0.013 %  
 Uncertainty: 0.007 %

Technician:   
 PROVE

Witness:

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.36 T24N R8W

| Meter Data                                                                                                                                                                                           | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67455819 WPX 143H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14505452<br>Model No.         | Name Crude<br>Batch No.<br>Obs. Gravity 44.4 °API<br>Obs. Temp 94.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.4 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                  | <div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> Task ID 1492216011 1492217190<br>Date 04/14/2017 04/14/2017<br>Time 12:26 12:46<br>Product Crude Crude<br>Flowrate 42 bbl/hr 21 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 41.4 °API 41.4 °API<br>Avg Pvr Temp 100.9 100.0<br>Avg Pvr Press 32.0 32.0<br>Repeatability 0.031 % 0.020 %<br>CMF 1.0039 1.0074<br>CMF Variance -0.0042 0.0035 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 39.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                                          |

| Run     | TEMPERATURE |       | PRESSURE |      | PULSES     | Run Accepted ? | IMF     | Flowrate<br>bbl/hr |
|---------|-------------|-------|----------|------|------------|----------------|---------|--------------------|
|         | Tp          | Tm    | Pp       | Pm   | N          |                |         |                    |
| 1       | 100.1       | 100.1 | 32.0     | 40.0 | 11804.826  | 1 Yes          | 1.00728 | 20.964             |
| 2       | 99.8        | 99.8  | 32.0     | 40.0 | 11804.806  | 2 Yes          | 1.00725 | 20.956             |
| 3       | 100.0       | 100.0 | 32.0     | 40.0 | 11806.853  | 3 Yes          | 1.00708 | 20.960             |
| 4       | 100.0       | 100.0 | 32.0     | 40.0 | 11804.767  | 4 Yes          | 1.00725 | 20.983             |
| 5       | 100.1       | 100.1 | 32.0     | 40.0 | 11807.095  | 5 Yes          | 1.00709 | 20.982             |
| Average | 100.0       | 100.0 | 32.0     | 40.0 | 11805.6694 |                | 1.00719 | 20.969             |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00074 | 1.00003 | 0.97946 | 1.00020 | 0.98041 | 1.16492 |

(2) ISVm:  $[N(avg) + NKF = IVm] * [CTLm * CPLm = CCFm]$

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11805.6694 | 10000.0000 | 1.18057 | 0.97946 | 1.00026 | 0.97971 | 1.15662 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0072 MF  
 (2) MF \* CPL = 1.0074 CMF  
 (3) 1 ÷ MF = 0.9929 MA  
 (4) NKF ÷ MF = 9928.5 KF  
 (5) KF ÷ CPL = 9926.5 CKF

Repeatability: 0.020 %  
 Uncertainty: 0.011 %

|                                                                        |                   |
|------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor         |                   |
| Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |

Technician:   
 PROVE

Witness:

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.36 T24N R8W

| Meter Data                                                                                                                                                                                                   | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67455819 WPX 143H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14505452<br>Model No.                 | Name Crude<br>Batch No.<br>Obs. Gravity 44.4 °API<br>Obs. Temp 94.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.4 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                              | <div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> Task ID 1489619851 1492216011<br>Date 03/15/2017 04/14/2017<br>Time 11:17 12:26<br>Product Crude Crude<br>Flowrate 21 bbl/hr 42 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 42.8°API 41.4 °API<br><br>Avg Prvr Temp 91.4 100.9<br>Avg Prvr Press 36.0 32.0<br>Repeatability 0.016 % 0.031 %<br>CMF 1.0081 1.0039<br>CMF Variance 0.0036 -0.0042 |
| <b>Prover Data</b><br><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 39.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0003                                                                                                                                                                                                                                                                                                                                              |

| Run     | TEMPERATURE |       | PRESSURE |      | PULSES     | Run Accepted ? | IMF     | Flowrate |
|---------|-------------|-------|----------|------|------------|----------------|---------|----------|
|         | Tp          | Tm    | Pp       | Pm   | N          |                |         | bbl/hr   |
| 1       | 100.5       | 100.5 | 32.0     | 40.0 | 11849.586  | 1 Yes          | 1.00347 | 41.830   |
| 2       | 101.0       | 101.0 | 32.0     | 40.0 | 11848.684  | 2 Yes          | 1.00356 | 41.767   |
| 3       | 101.0       | 101.0 | 32.0     | 40.0 | 11847.740  | 3 Yes          | 1.00364 | 41.810   |
| 4       | 100.9       | 100.9 | 32.0     | 40.0 | 11846.293  | 4 Yes          | 1.00376 | 41.791   |
| 5       | 100.8       | 100.8 | 32.0     | 40.0 | 11845.970  | 5 Yes          | 1.00378 | 41.760   |
| Average | 100.9       | 100.9 | 32.0     | 40.0 | 11847.6546 |                | 1.00364 | 41.792   |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00076 | 1.00003 | 0.97900 | 1.00021 | 0.97998 | 1.16441 |

(2) ISVm:  $[N(avg) \div NKF = IVm] * [CTLm * CPLm = CCFm]$

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11847.6546 | 10000.0000 | 1.18477 | 0.97900 | 1.00026 | 0.97925 | 1.16019 |

(3) Proving Factors:

>>>> (1) GSVp + ISVm = 1.0036 MF  
 (2) MF \* CPL = 1.0039 CMF  
 (3) 1 + MF = 0.9964 MA  
 (4) NKF + MF = 9964.1 KF  
 (5) KF + CPL = 9961.1 CKF

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Repeatability: 0.031 %  
 Uncertainty: 0.017 %

Technician:   
 PROVE

Witness:

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.24H T23N R8W

| Meter Data                                                                                                                                                                                            | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67421809 WPX 153H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14497222<br>Model No.          | Name Crude<br>Batch No.<br>Obs. Gravity 41.3 °API<br>Obs. Temp 90.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 38.8 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                  | <div style="display: flex; justify-content: space-between;"> <span>Previous</span> <span>Current</span> </div> Task ID 1492114573 1492115937<br>Date 04/13/2017 04/13/2017<br>Time 8:16 8:38<br>Product Crude Crude<br>Flowrate 42 bbl/hr 25 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 38.8 °API 38.8 °API<br>Avg Pvr Temp 89.7 92.9<br>Avg Pvr Press 32.0 32.0<br>Repeatability 0.048 % 0.043 %<br>CMF 1.0042 1.0057<br>CMF Variance -0.0033 0.0015 |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/PF<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 8 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 38.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                        |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |         | bbl/hr   |
| 1       | 92.7        | 92.7 | 32.0     | 40.0 | 11822.767  | 1 Yes          | 1.00560 | 25.032   |
| 2       | 93.0        | 93.0 | 32.0     | 40.0 | 11824.629  | 2 Yes          | 1.00544 | 25.132   |
| 3       | 92.6        | 92.6 | 32.0     | 40.0 | 11826.142  | 3 Yes          | 1.00532 | 25.113   |
| 4       | 93.0        | 93.0 | 32.0     | 40.0 | 11821.004  | 4 Yes          | 1.00575 | 25.091   |
| 5       | 93.1        | 93.1 | 32.0     | 40.0 | 11822.816  | 5 Yes          | 1.00561 | 25.130   |
| Average | 92.9        | 92.9 | 32.0     | 40.0 | 11823.4716 |                | 1.00554 | 25.100   |

(1) GSVp: BPV \* [CTSp \* CPSP \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00061 | 1.00003 | 0.98363 | 1.00019 | 0.98445 | 1.16972 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11823.4716 | 10000.0000 | 1.18235 | 0.98363 | 1.00024 | 0.98387 | 1.16328 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0055 MF  
 (2) MF \* CPL = 1.0057 CMF  
 (3) 1 ÷ MF = 0.9945 MA  
 (4) NKF ÷ MF = 9945.3 KF  
 (5) KF ÷ CPL = 9943.3 CKF

Repeatability: 0.043 %  
 Uncertainty: 0.023 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:   
 PROVE

Witness:

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC.24H T23N R8W

| Meter Data                                                                                                                                                                                                   | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67421809 WPX 153H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14497222<br>Model No.                 | Name Crude<br>Batch No.<br>Obs. Gravity 41.3 °API<br>Obs. Temp 90.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 38.8 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                              | <div style="display: flex; justify-content: space-between;"> <span>Previous</span> <span>Current</span> </div> Task ID 1489093880 1492114573<br>Date 03/09/2017 04/13/2017<br>Time 8:11 8:16<br>Product Crude Crude<br>Flowrate 25 bbl/hr 42 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 38.9°API 38.8 °API<br><br>Avg Pvr Temp 80.7 89.7<br>Avg Pvr Press 40.0 32.0<br>Repeatability 0.040 % 0.048 %<br>CMF 1.0075 1.0042<br>CMF Variance 0.0012 -0.0033 |
| <b>Prover Data</b><br><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 8 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 38.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                           |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |         | bbl/hr   |
| 1       | 84.3        | 84.3 | 32.0     | 40.0 | 11843.083  | 1 Yes          | 1.00372 | 41.831   |
| 2       | 88.7        | 88.7 | 32.0     | 40.0 | 11841.463  | 2 Yes          | 1.00392 | 41.833   |
| 3       | 91.3        | 91.3 | 32.0     | 40.0 | 11839.136  | 3 Yes          | 1.00419 | 41.868   |
| 4       | 91.9        | 91.9 | 32.0     | 40.0 | 11839.850  | 4 Yes          | 1.00413 | 41.792   |
| 5       | 92.1        | 92.1 | 32.0     | 40.0 | 11839.167  | 5 Yes          | 1.00420 | 41.834   |
| Average | 89.7        | 89.7 | 32.0     | 40.0 | 11840.5398 |                | 1.00403 | 41.832   |

(1) GSVp: BPV \* [CTSp \* CPSP \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00055 | 1.00003 | 0.98523 | 1.00019 | 0.98599 | 1.17155 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11840.5398 | 10000.0000 | 1.18405 | 0.98523 | 1.00024 | 0.98547 | 1.16685 |

(3) Proving Factors:

>>>> (1) GSVp + ISVm = 1.0040 MF  
 (2) MF \* CPL = 1.0042 CMF  
 (3) 1 + MF = 0.9960 MA  
 (4) NKF + MF = 9960.2 KF  
 (5) KF + CPL = 9958.2 CKF

Repeatability: 0.048 %  
 Uncertainty: 0.026 %

|                                                                                                                                              |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br><br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:   
 PROVE

Witness:

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SHL SEC.14 T23N R8W NMPM

| Meter Data                                                                                                                                                                                           | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>78448843 WPX 151H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14503340<br>Model No.         | Name Crude<br>Batch No.<br>Obs. Gravity 39.6 °API<br>Obs. Temp 91.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 37.1 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                  | <div style="display: flex; justify-content: space-between;"> <div> <b>Previous</b><br/>           Task ID 1489097798<br/>           Date 03/09/2017<br/>           Time 9:16<br/>           Product Crude<br/>           Flowrate 21 bbl/hr<br/>           Totalizer<br/>           Throughput<br/>           Base Density 41.6 °API         </div> <div> <b>Current</b><br/>           1492119688<br/>           04/13/2017<br/>           9:39<br/>           Crude<br/>           21 bbl/hr<br/>           37.1 °API         </div> </div> |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.053 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 6 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | Avg Pvr Temp 89.8 95.7<br>Avg Pvr Press 38.0 38.0<br>Repeatability 0.037 % 0.034 %<br>CMF 1.0024 1.0022<br>CMF Variance -0.0002 -0.0002                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 49.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0003                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|---------|----------|
|         | TP          | Tm   | Pp       | Pm   | N          |                |         | bb/hr    |
| 1       | 94.9        | 94.9 | 38.0     | 52.0 | 11868.046  | 1 Yes          | 1.00178 | 20.827   |
| 2       | 95.4        | 95.4 | 38.0     | 52.0 | 11865.139  | 2 Yes          | 1.00204 | 20.864   |
| 3       | 95.3        | 95.3 | 38.0     | 52.0 | 11869.106  | 3 Yes          | 1.00170 | 20.871   |
| 4       | 96.3        | 96.3 | 38.0     | 52.0 | 11866.735  | 4 Yes          | 1.00191 | 20.869   |
| 5       | 96.6        | 96.6 | 38.0     | 52.0 | 11865.714  | 5 Yes          | 1.00199 | 20.866   |
| Average | 95.7        | 95.7 | 38.0     | 52.0 | 11866.9480 |                | 1.00188 | 20.860   |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00066 | 1.00003 | 0.98259 | 1.00022 | 0.98348 | 1.16857 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

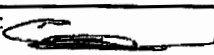
|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11866.9480 | 10000.0000 | 1.18669 | 0.98259 | 1.00030 | 0.98288 | 1.16637 |

(3) Proving Factors:

>>>> (1) GSVp + ISVm = 1.0019 MF  
 (2) MF \* CPL = 1.0022 CMF  
 (3) 1 ÷ MF = 0.9981 MA  
 (4) NKF ÷ MF = 9981.0 KF  
 (5) KF ÷ CPL = 9978.0 CKF

Repeatability: 0.034 %  
 Uncertainty: 0.018 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:   
 PROVE

Witness:



Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SHL SEC.16 T23N R8W NMPM

| Meter Data                                                                                                                                                                                           | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>78448842 WPX 147H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14503370<br>Model No.         | Name Crude<br>Batch No.<br>Obs. Gravity 39.6 °API<br>Obs. Temp 92.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 37.0 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                  | <div style="display: flex; justify-content: space-between;"> <div> <b>Previous</b><br/>           Task ID 1489101032<br/>           Date 03/09/2017<br/>           Time 10:10<br/>           Product Crude<br/>           Flowrate 21 bbl/hr<br/>           Totalizer<br/>           Throughput<br/>           Base Density 38.8°API         </div> <div> <b>Current</b><br/>           1482123134<br/>           04/13/2017<br/>           10:38<br/>           Crude<br/>           21 bbl/hr<br/>           37.0 °API         </div> </div> |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.052 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 6 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | Avg Prvr Temp 73.8 81.9<br>Avg Prvr Press 34.0 32.0<br>Repeatability 0.047 % 0.043 %<br>CMF 1.0008 0.9999<br>CMF Variance 0.0001 -0.0009                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 35.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                                                                                                          |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bb/hr    |
| 1       | 84.9        | 84.9 | 32.0     | 36.0 | 11893.931  | 1              | Yes | 0.99947 | 20.800   |
| 2       | 82.9        | 82.9 | 32.0     | 36.0 | 11891.367  | 2              | Yes | 0.99964 | 20.815   |
| 3       | 81.7        | 81.7 | 32.0     | 36.0 | 11887.950  | 3              | Yes | 0.99990 | 20.827   |
| 4       | 80.4        | 80.4 | 32.0     | 36.0 | 11888.978  | 4              | Yes | 0.99980 | 20.806   |
| 5       | 79.8        | 79.8 | 32.0     | 36.0 | 11888.200  | 5              | Yes | 0.99985 | 20.825   |
| Average | 81.9        | 81.9 | 32.0     | 36.0 | 11890.0852 |                |     | 0.99973 | 20.815   |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00041 | 1.00003 | 0.98935 | 1.00018 | 0.98996 | 1.17627 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11890.0852 | 10000.0000 | 1.18901 | 0.98935 | 1.00020 | 0.98955 | 1.17658 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 0.9997 MF  
 (2) MF \* CPL = 0.9999 CMF  
 (3) 1 ÷ MF = 1.0003 MA  
 (4) NKF ÷ MF = 10003 KF  
 (5) KF ÷ CPL = 10001 CKF

Repeatability: 0.043 %  
 Uncertainty: 0.023 %

|                                                                                                                                          |                   |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:                       
**PROVE**

Witness:

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SHL SEC.17H T23N R7W NMPM

| Meter Data                                                                                                                                                                                                   | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>78448840 WPX 163H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14497246<br>Model No. CMF 100M        | Name Crude<br>Batch No.<br>Obs. Gravity 45.5 °API<br>Obs. Temp 103.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.7 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                             | <div style="display: flex; justify-content: space-between;"> <span><u>Previous</u></span> <span><u>Current</u></span> </div> Task ID 1489109180 1492204222<br>Date 03/09/2017 04/14/2017<br>Time 12:26 9:10<br>Product Crude Crude<br>Flowrate 37 bbl/hr 38 bbl/hr<br>Totalizer<br>Throughput<br>Base Density 41.7°API 41.7 °API<br><br>Avg Pvr Temp 98.5 104.7<br>Avg Pvr Press 38.0 31.0<br>Repeatability 0.025 % 0.040 %<br>CMF 1.0008 1.0010<br>CMF Variance 0.0002 0.0002 |
| <b>Prover Data</b><br><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/F<br><br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br><br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br><br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br><br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br><br>Normal Op. Pressure 37.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                                      |

| Run     | TEMPERATURE |       | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|-------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm    | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 103.9       | 103.9 | 31.0     | 38.0 | 11884.509  | 1              | Yes | 1.00059 | 37.520   |
| 2       | 103.9       | 103.9 | 31.0     | 38.0 | 11883.459  | 2              | Yes | 1.00068 | 37.466   |
| 3       | 104.9       | 104.9 | 31.0     | 38.0 | 11880.071  | 3              | Yes | 1.00099 | 37.498   |
| 4       | 105.6       | 105.6 | 31.0     | 38.0 | 11881.394  | 4              | Yes | 1.00088 | 37.565   |
| 5       | 105.2       | 105.2 | 31.0     | 38.0 | 11881.454  | 5              | Yes | 1.00087 | 37.477   |
| Average | 104.7       | 104.7 | 31.0     | 38.0 | 11882.1774 |                |     | 1.00080 | 37.505   |

(1) GSVp:  $BPV * [CTSp * CPSP * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSP    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00083 | 1.00003 | 0.97696 | 1.00020 | 0.97800 | 1.16206 |

(2) ISVm:  $[N(avg) \div NKF = IVm] * [CTLm * CPLm = CCFm]$

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11882.1774 | 10000.0000 | 1.18822 | 0.97696 | 1.00025 | 0.97720 | 1.16113 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0008 MF  
 (2) MF \* CPL = 1.0010 CMF  
 (3) 1 + MF = 0.9992 MA  
 (4) NKF ÷ MF = 9992.0 KF  
 (5) KF ÷ CPL = 9990.0 CKF

Repeatability: 0.040 %  
 Uncertainty: 0.021 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:

PROVE

Witness:

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SHL SEC.4 T23N R8W NMPM

| <b>Meter Data</b><br>67420186 WPX 283H<br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14494841<br>Model No. | <b>Product Data</b><br>Name Crude<br>Batch No.<br>Obs. Gravity 38.4 °API<br>Obs. Temp 64.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 38.1 °API HYC Y                                                                                                                                                                                                                                                                                                                                                           | <b>Proving Data</b><br><table style="width:100%;"> <tr> <th></th> <th style="text-align: center;"><u>Previous</u></th> <th style="text-align: center;"><u>Current</u></th> </tr> <tr> <td>Task ID</td> <td>1493165060</td> <td>1493166222</td> </tr> <tr> <td>Date</td> <td>04/25/2017</td> <td>04/25/2017</td> </tr> <tr> <td>Time</td> <td>12:04</td> <td>12:23</td> </tr> <tr> <td>Product</td> <td>Crude</td> <td>Crude</td> </tr> <tr> <td>Flowrate</td> <td>42 bbl/hr</td> <td>31 bbl/hr</td> </tr> <tr> <td>Totalizer</td> <td></td> <td></td> </tr> <tr> <td>Throughput</td> <td></td> <td></td> </tr> <tr> <td>Base Density</td> <td>38.1 °API</td> <td>38.1 °API</td> </tr> <tr> <td>Avg Pvr Temp</td> <td>61.9</td> <td>62.6</td> </tr> <tr> <td>Avg Pvr Press</td> <td>32.0</td> <td>32.0</td> </tr> <tr> <td>Repeatability</td> <td>0.027 %</td> <td>0.050 %</td> </tr> <tr> <td>CMF</td> <td>1.0043</td> <td>1.0046</td> </tr> <tr> <td>CMF Variance</td> <td>-0.0001</td> <td>0.0003</td> </tr> </table> |  | <u>Previous</u> | <u>Current</u> | Task ID | 1493165060 | 1493166222 | Date | 04/25/2017 | 04/25/2017 | Time | 12:04 | 12:23 | Product | Crude | Crude | Flowrate | 42 bbl/hr | 31 bbl/hr | Totalizer |  |  | Throughput |  |  | Base Density | 38.1 °API | 38.1 °API | Avg Pvr Temp | 61.9 | 62.6 | Avg Pvr Press | 32.0 | 32.0 | Repeatability | 0.027 % | 0.050 % | CMF | 1.0043 | 1.0046 | CMF Variance | -0.0001 | 0.0003 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------|----------------|---------|------------|------------|------|------------|------------|------|-------|-------|---------|-------|-------|----------|-----------|-----------|-----------|--|--|------------|--|--|--------------|-----------|-----------|--------------|------|------|---------------|------|------|---------------|---------|---------|-----|--------|--------|--------------|---------|--------|
|                                                                                                                                                                                                            | <u>Previous</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <u>Current</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |      |      |               |         |         |     |        |        |              |         |        |
| Task ID                                                                                                                                                                                                    | 1493165060                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1493166222                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |      |      |               |         |         |     |        |        |              |         |        |
| Date                                                                                                                                                                                                       | 04/25/2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 04/25/2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |      |      |               |         |         |     |        |        |              |         |        |
| Time                                                                                                                                                                                                       | 12:04                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 12:23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |      |      |               |         |         |     |        |        |              |         |        |
| Product                                                                                                                                                                                                    | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Crude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |      |      |               |         |         |     |        |        |              |         |        |
| Flowrate                                                                                                                                                                                                   | 42 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 31 bbl/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |      |      |               |         |         |     |        |        |              |         |        |
| Totalizer                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |      |      |               |         |         |     |        |        |              |         |        |
| Throughput                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |      |      |               |         |         |     |        |        |              |         |        |
| Base Density                                                                                                                                                                                               | 38.1 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 38.1 °API                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |      |      |               |         |         |     |        |        |              |         |        |
| Avg Pvr Temp                                                                                                                                                                                               | 61.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 62.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |      |      |               |         |         |     |        |        |              |         |        |
| Avg Pvr Press                                                                                                                                                                                              | 32.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 32.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |      |      |               |         |         |     |        |        |              |         |        |
| Repeatability                                                                                                                                                                                              | 0.027 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.050 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |      |      |               |         |         |     |        |        |              |         |        |
| CMF                                                                                                                                                                                                        | 1.0043                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1.0046                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |      |      |               |         |         |     |        |        |              |         |        |
| CMF Variance                                                                                                                                                                                               | -0.0001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |      |      |               |         |         |     |        |        |              |         |        |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/°F<br>Certified      | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 39.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                 |                |         |            |            |      |            |            |      |       |       |         |       |       |          |           |           |           |  |  |            |  |  |              |           |           |              |      |      |               |      |      |               |         |         |     |        |        |              |         |        |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 61.8        | 61.8 | 32.0     | 40.0 | 11832.908  | 1              | Yes | 1.00417 | 31.502   |
| 2       | 62.4        | 62.4 | 32.0     | 40.0 | 11829.941  | 2              | Yes | 1.00443 | 31.360   |
| 3       | 62.4        | 62.4 | 32.0     | 40.0 | 11827.086  | 3              | Yes | 1.00467 | 31.376   |
| 4       | 62.9        | 62.9 | 32.0     | 40.0 | 11832.183  | 4              | Yes | 1.00425 | 31.323   |
| 5       | 63.7        | 63.7 | 32.0     | 40.0 | 11827.844  | 5              | Yes | 1.00464 | 31.364   |
| Average | 62.6        | 62.6 | 32.0     | 40.0 | 11829.9924 |                |     | 1.00443 | 31.385   |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00005 | 1.00003 | 0.99872 | 1.00017 | 0.99897 | 1.18698 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11829.9924 | 10000.0000 | 1.18300 | 0.99872 | 1.00021 | 0.99893 | 1.18173 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0044 MF  
 (2) MF \* CPL = 1.0046 CMF  
 (3) 1 ÷ MF = 0.9956 MA  
 (4) NKF ÷ MF = 9956.2 KF  
 (5) KF ÷ CPL = 9954.2 CKF

Repeatability: 0.050 %  
 Uncertainty: 0.027 %

|                                                                                                                                          |                   |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Trans. Serial No.<br>Flow Calib Factor<br>Density Calib Factor<br>Frequency Set Point<br>Flowrate Set Point<br>Zero Verified<br>As Found | Zeroed<br>As Left |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

Technician:

PROVE

Witness:

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SHL SEC.4 T23N R8W NMPM

| Meter Data                                                                                                                                                                                            | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67420186 WPX 283H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No. 14494841<br>Model No.          | Name Crude<br>Batch No.<br>Obs. Gravity 38.4 °API<br>Obs. Temp 64.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 38.1 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                  | <div style="display: flex; justify-content: space-between;"> <div> <b>Previous</b><br/>           Task ID 1489706029<br/>           Date 03/16/2017<br/>           Time 11:13<br/>           Product Crude<br/>           Flowrate 31 bbl/hr<br/>           Totalizer<br/>           Throughput<br/>           Base Density 38.4°API         </div> <div> <b>Current</b><br/>           1493165060<br/>           04/25/2017<br/>           12:04<br/>           Crude<br/>           42 bbl/hr<br/>           38.1 °API         </div> </div> |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/°F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | Avg Pvr Temp 88.8 61.9<br>Avg Pvr Press 38.0 32.0<br>Repeatability 0.033 % 0.027 %<br>CMF 1.0044 1.0043<br>CMF Variance 0.0009 -0.0001                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 39.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                                                                                                          |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 62.8        | 62.8 | 32.0     | 40.0 | 11834.208  | 1              | Yes | 1.00408 | 41.847   |
| 2       | 61.8        | 61.8 | 32.0     | 40.0 | 11831.584  | 2              | Yes | 1.00428 | 41.865   |
| 3       | 61.3        | 61.3 | 32.0     | 40.0 | 11832.106  | 3              | Yes | 1.00423 | 41.859   |
| 4       | 61.6        | 61.6 | 32.0     | 40.0 | 11834.831  | 4              | Yes | 1.00401 | 41.865   |
| 5       | 62.0        | 62.0 | 32.0     | 40.0 | 11834.106  | 5              | Yes | 1.00408 | 41.864   |
| Average | 61.9        | 61.9 | 32.0     | 40.0 | 11833.3670 |                |     | 1.00414 | 41.860   |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00004 | 1.00003 | 0.99907 | 1.00017 | 0.99931 | 1.18738 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

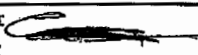
|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11833.3670 | 10000.0000 | 1.18334 | 0.99907 | 1.00021 | 0.99928 | 1.18249 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0041 MF  
 (2) MF \* CPL = 1.0043 CMF  
 (3) 1 ÷ MF = 0.9959 MA  
 (4) NKF ÷ MF = 9959.2 KF  
 (5) KF ÷ CPL = 9957.2 CKF

Repeatability: 0.027 %  
 Uncertainty: 0.014 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:   
 PROVE

Witness:

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 PROVER PROVER 8.7.0.0

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 Revision: 1

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEC. 04 T23N R8W NMPM

| Meter Data                                                                                                                                                                                            | Product Data                                                                                                                                                              | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67455820 WPX 150H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No.<br>Model No.                   | Name Crude<br>Batch No.<br>Obs. Gravity 43.5 °API<br>Obs. Temp 87.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.1 °API HYC Y      | <div style="display: flex; justify-content: space-between;"> <div> <b>Previous</b><br/>           Task ID 1493085418<br/>           Date 04/24/2017<br/>           Time 13:58<br/>           Product Crude<br/>           Flowrate 42 bbl/hr<br/>           Totalizer<br/>           Throughput<br/>           Base Density 41.1 °API         </div> <div> <b>Current</b><br/>           1493086614<br/>           04/24/2017<br/>           14:16<br/>           Crude<br/>           21 bbl/hr<br/> <br/>           41.1 °API         </div> </div> |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1/°F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs        | Avg Prvr Temp 84.0 86.6<br>Avg Prvr Press 32.0 32.0<br>Repeatability 0.045 % 0.025 %<br>CMF 1.0035 1.0042<br>CMF Variance -0.0005 0.0007                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                                                                                                       | Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date: | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 38.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                       | Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                       | Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bbl/hr   |
| 1       | 82.8        | 82.8 | 32.0     | 39.0 | 11837.543  | 1              | Yes | 1.00417 | 20.929   |
| 2       | 85.0        | 85.0 | 32.0     | 39.0 | 11839.325  | 2              | Yes | 1.00405 | 20.909   |
| 3       | 87.8        | 87.8 | 32.0     | 39.0 | 11841.539  | 3              | Yes | 1.00393 | 20.900   |
| 4       | 88.7        | 88.7 | 32.0     | 39.0 | 11841.677  | 4              | Yes | 1.00392 | 20.919   |
| 5       | 88.9        | 88.9 | 32.0     | 39.0 | 11839.726  | 5              | Yes | 1.00411 | 20.990   |
| Average | 86.6        | 86.6 | 32.0     | 39.0 | 11839.9620 |                |     | 1.00404 | 20.929   |

(1) GSVp: BPV \* [CTSp \* CPSp \* CTLp \* CPLp = CCFp]

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00049 | 1.00003 | 0.98642 | 1.00019 | 0.98712 | 1.17290 |

(2) ISVm: [N(avg) ÷ NKF = IVm] \* [CTLm \* CPLm = CCFm]

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11839.9620 | 10000.0000 | 1.18400 | 0.98642 | 1.00024 | 0.98666 | 1.16821 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0040 MF  
 (2) MF \* CPL = 1.0042 CMF  
 (3) 1 ÷ MF = 0.9960 MA  
 (4) NKF ÷ MF = 9960.2 KF  
 (5) KF ÷ CPL = 9958.2 CKF

Repeatability: 0.025 %  
 Uncertainty: 0.013 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:   
 PROVE

Witness:

Customer: WPX -  
 Operator:  
 Location:  
 Federal ID: SEG. 04 T23N R8W NMPM

| Meter Data                                                                                                                                                                                           | Product Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Proving Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>67455820 WPX 150H</b><br>Factor Tracked Composite MF(CMF)<br>Temp Compensated No<br>NKF 10000.0000 N/bbl<br>Manufacturer Micro Motion<br>Size 2.00 in<br>Serial No.<br>Model No.                  | Name Crude<br>Batch No.<br>Obs. Gravity 43.5 °API<br>Obs. Temp 87.0 °F<br>Obs. Press 0.0 psi<br>API Table Table A - Crude Oil (2004)<br>Base Density 41.1 °API HYC Y                                                                                                                                                                                                                                                                                                                                                                                  | <div style="display: flex; justify-content: space-between;"> <div> <b>Previous</b><br/>           Task ID 1489632518<br/>           Date 03/15/2017<br/>           Time 14:48<br/>           Product Crude<br/>           Flowrate 21 bbl/hr<br/>           Totalizer<br/>           Throughput<br/>           Base Density 39.6°API         </div> <div> <b>Current</b><br/>           1493085418<br/>           04/24/2017<br/>           13:56<br/>           Crude<br/>           42 bbl/hr<br/> <br/>           41.1 °API         </div> </div> |
| <b>Prover Data</b><br>BPV 1.18820 bbl<br>I.D. 7.981 in<br>W.T. 0.322 in<br>Manufacturer<br>Type Displacement-Sphere<br>Serial No. 23MM<br>Elasticity 3.0E7 1/psi<br>Pipe Gc 1.86E-5 1°F<br>Certified | <b>Tolerances</b><br>Tolerance Type: Repeatability<br>Maximum Deviation: 0.050 %<br>Enabled? Y Passed? Y Min # of Runs: 5<br>Criteria: 5 out of 5 consecutive runs<br>Avg X Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Prev X Factor Count Sought: 1<br>Prev X Factor Count Used: 0<br>Cut Off History? N Cutoff Date:<br>Prev Meter Factor Deviation:<br>Enabled? N Passed? Y Prod Dep? N<br>Proving Mode: Volumetric<br>Density Mode: Manual<br>Calc. Method: Avg. Meter Factor<br>Proving Method: PIU<br>Passes Per Run 1 | Avg Pvr Temp 96.7 84.0<br>Avg Pvr Press 38.0 32.0<br>Repeatability 0.024 % 0.045 %<br>CMF 1.0040 1.0035<br>CMF Variance 0.0012 -0.0005                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Liquid Properties at Metering Conditions for CMF</b><br>Normal Op. Pressure 38.0 psig<br>Eq. Vapor Pressure 0.0 psig<br>CPL 1.0002                                                                                                                                                                                                                                                                                                                                                                                                                |

| Run     | TEMPERATURE |      | PRESSURE |      | PULSES     | Run Accepted ? |     | IMF     | Flowrate |
|---------|-------------|------|----------|------|------------|----------------|-----|---------|----------|
|         | Tp          | Tm   | Pp       | Pm   | N          |                |     |         | bb/hr    |
| 1       | 81.3        | 81.3 | 32.0     | 39.0 | 11847.857  | 1              | Yes | 1.00327 | 41.814   |
| 2       | 84.3        | 84.3 | 32.0     | 39.0 | 11849.588  | 2              | Yes | 1.00317 | 41.832   |
| 3       | 85.0        | 85.0 | 32.0     | 39.0 | 11850.690  | 3              | Yes | 1.00309 | 41.764   |
| 4       | 85.4        | 85.4 | 32.0     | 39.0 | 11846.348  | 4              | Yes | 1.00348 | 41.783   |
| 5       | 84.1        | 84.1 | 32.0     | 39.0 | 11845.284  | 5              | Yes | 1.00354 | 41.824   |
| Average | 84.0        | 84.0 | 32.0     | 39.0 | 11847.9534 |                |     | 1.00331 | 41.803   |

(1) GSVp:  $BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]$

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| BPV     | CTSp    | CPSp    | CTLp    | CPLp    | CCFp    | GSVp    |
| 1.18820 | 1.00045 | 1.00003 | 0.98775 | 1.00019 | 0.98841 | 1.17443 |

(2) ISVm:  $[N(avg) \div NKF = IVm] * [CTLm * CPLm = CCFm]$

|            |            |         |         |         |         |         |
|------------|------------|---------|---------|---------|---------|---------|
| N(avg)     | NKF        | IVm     | CTLm    | CPLm    | CCFm    | ISVm    |
| 11847.9534 | 10000.0000 | 1.18480 | 0.98775 | 1.00023 | 0.98798 | 1.17056 |

(3) Proving Factors:

>>>> (1) GSVp ÷ ISVm = 1.0033 MF  
 (2) MF \* CPL = 1.0035 CMF  
 (3) 1 ÷ MF = 0.9967 MA  
 (4) NKF ÷ MF = 9967.1 KF  
 (5) KF ÷ CPL = 9965.1 CKF

Repeatability: 0.045 %  
 Uncertainty: 0.024 %

|                      |         |
|----------------------|---------|
| Trans. Serial No.    |         |
| Flow Calib Factor    |         |
| Density Calib Factor |         |
| Frequency Set Point  |         |
| Flowrate Set Point   |         |
| Zero Verified        | Zeroed  |
| As Found             | As Left |

Technician:   
 PROVE

Witness: