



2030 Afton Place  
Farmington, NM 87401  
(505) 325-6622

Analysis No: WP170047  
Cust No: 85500-12640

30-039-07958

### Well/Lease Information

Customer Name: WPX ENERGY PRODUCTION, LLC  
Well Name: ROSA UNIT #14; INTRM  
County/State: RIO ARRIBA NM  
Location:  
Field:  
Formation: MV  
Cust. Stn. No.:

Source: INTERMEDIATE  
Pressure: 80 PSIG  
Sample Temp: 56 DEG. F  
Well Flowing: Y  
Date Sampled: 04/25/2017  
Sampled By: CODY MEISNER  
Foreman/Engr.: CURTIS HECKMAN

Remarks: SAMPLE RAN ON 05/02/2017

### Analysis

| Component:: | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 0.077   | 0.0080  | 0.00    | 0.0007       |
| CO2         | 1.909   | 0.3260  | 0.00    | 0.0290       |
| Methane     | 95.282  | 16.1850 | 962.35  | 0.5278       |
| Ethane      | 2.392   | 0.6410  | 42.33   | 0.0248       |
| Propane     | 0.256   | 0.0710  | 6.44    | 0.0039       |
| Iso-Butane  | 0.043   | 0.0140  | 1.40    | 0.0009       |
| N-Butane    | 0.019   | 0.0060  | 0.62    | 0.0004       |
| I-Pentane   | 0.008   | 0.0030  | 0.32    | 0.0002       |
| N-Pentane   | 0.002   | 0.0010  | 0.08    | 0.0000       |
| Hexane Plus | 0.012   | 0.0050  | 0.63    | 0.0004       |
| Total       | 100.000 | 17.2600 | 1014.17 | 0.5881       |

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\*@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0022  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1018.8  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1001.1  
REAL SPECIFIC GRAVITY: 0.5892

GPM, BTU, and SPG calculations as shown  
above are based on current GPA factors.

DRY BTU @ 14.650: 1013.3  
DRY BTU @ 14.696: 1016.4  
DRY BTU @ 14.730: 1018.8  
DRY BTU @ 15.025: 1039.2

CYLINDER #: 4100  
CYLINDER PRESSURE: 73 PSIG  
DATE RUN: 4/25/17 11:57 AM  
ANALYSIS RUN BY: Shyann Elledge



WPX ENERGY PRODUCTION, LLC  
WELL ANALYSIS COMPARISON

Lease: ROSA UNIT #14; INTRM  
Stn. No.:  
Mtr. No.:

INTERMEDIATE  
MV

05/09/2017  
85500-12640

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|            |            |            |
|------------|------------|------------|
| Smpl Date: | 04/25/2017 | 07/19/2016 |
| Test Date: | 04/25/2017 | 07/20/2016 |
| Run No:    | WP170047   | WP160201   |
| Nitrogen:  | 0.077      | 0.069      |
| CO2:       | 1.909      | 1.732      |
| Methane:   | 95.282     | 96.520     |
| Ethane:    | 2.392      | 1.433      |
| Propane:   | 0.256      | 0.160      |
| I-Butane:  | 0.043      | 0.032      |
| N-Butane:  | 0.019      | 0.016      |
| I-Pentane: | 0.008      | 0.008      |
| N-Pentane: | 0.002      | 0.004      |
| Hexane+:   | 0.012      | 0.026      |
| BTU:       | 1018.8     | 1012.1     |
| GPM:       | 17.2600    | 17.1560    |
| SPG:       | 0.5892     | 0.5820     |