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Form 3160-5  
(June 2015)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFarmington Field Office  
Bureau of Land ManagementFORM APPROVED  
OMB No. 1004-0137  
Expires: January 31, 2018

## SUNDRY NOTICES AND REPORTS ON WELLS

**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.

N0-G-1312-1856

6. If Indian, Allottee or Tribe Name

## SUBMIT IN TRIPLICATE - Other instructions on page 2

## 1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

## 2. Name of Operator

WPX Energy Production, LLC

## 3a. Address

PO Box 640 Aztec, NM 87410

## 3b. Phone No. (include area code)

505-333-1816

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL: 1980' FNL &amp; 2471' FWL, Sec 13, T23N, R9W

BHL: 779' FSL &amp; 335' FEL, Sec 19 T23N, R8W

## 7. If Unit of CA/Agreement, Name and/or No.

NMNM-135216A

## 8. Well Name and No.

W Lybrook Unit 751H

## 9. API Well No.

30-045-35806

## 10. Field and Pool or Exploratory Area

Lybrook Mancos W

## 11. Country or Parish, State

San Juan, NM

## 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                |                                               |                                                    |                                         |
|------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|----------------------------------------------------|-----------------------------------------|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen               | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut Off |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction     | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other Flare    |
|                                                      | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon     | <input type="checkbox"/> Temporarily Abandon       | <u>Extension-</u>                       |
|                                                      | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back            | <input type="checkbox"/> Water Disposal            | <u>continued</u>                        |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

The Frac activity on W. Lybrook Unit 716H - 718H- 719H- 753H-754H- 755H caused High Nitrogen and CO2 content level on **W. Lybrook Unit 751H.**

WPX Energy request to continue flaring for an additional 30 days from the current expiration date of **12/7/2017**, due to the results above Williams pipeline standards, per the attached gas analysis.

OIL CONS. DIV DIST. 3

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Marie E Florez

Title: Permitting Tech III

DEC 07 2017

Signature

Date 11/30/17

## THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

PE

Date

12/4/17

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

FFO

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD



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

Analysis No: WP170221  
Cust No: 85500-13305

### Well/Lease Information

Customer Name: WPX ENERGY PRODUCTION, LLC  
Well Name: 716H WLU #716H;MTR  
County/State: SAN JUAN NM  
Location:  
Field:  
Formation:  
Cust. Str. No.:

Source: METER RUN  
Well Flowing: Y  
Pressure: 132 PSIG  
Flow Temp: 80 DEG. F  
Ambient Temp: 65 DEG. F  
Flow Rate: 571 MCF/D  
Sample Method: Purge & Fill  
Date Sampled: 11/27/2017  
Sample Time: 3.10 PM  
Sampled By: JAMES MILLER  
Sampled by (CO): IDEAL COMPLETIONS

Remarks: RAN 11/28/2017

### Analysis

| Component:: | Mole%:   | Unnormalized %: | **GPM:  | *BTU:  | *SP Gravity: |
|-------------|----------|-----------------|---------|--------|--------------|
| Nitrogen    | 32.6329  | 33.0607         | 3.6000  | 0.00   | 0.3156       |
| CO2         | 0.2506   | 0.2539          | 0.0430  | 0.00   | 0.0038       |
| Methane     | 45.6644  | 46.2631         | 7.7620  | 461.21 | 0.2529       |
| Ethane      | 8.5619   | 8.6742          | 2.2960  | 151.52 | 0.0889       |
| Propane     | 8.4230   | 8.5334          | 2.3270  | 211.93 | 0.1282       |
| Iso-Butane  | 0.9363   | 0.9486          | 0.3070  | 30.45  | 0.0188       |
| N-Butane    | 2.3346   | 2.3652          | 0.7380  | 76.16  | 0.0469       |
| I-Pentane   | 0.4122   | 0.4176          | 0.1510  | 16.49  | 0.0103       |
| N-Pentane   | 0.3818   | 0.3868          | 0.1390  | 15.31  | 0.0095       |
| Hexane Plus | 0.4023   | 0.4076          | 0.1800  | 21.21  | 0.0133       |
| Total       | 100.0000 | 101.3111        | 17.5430 | 984.27 | 0.8882       |

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z): 1.0029  
BTU/CU.FT IDEAL: 986.6  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 989.4  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 972.2  
DRY BTU @ 15.025: 1009.2  
REAL SPECIFIC GRAVITY: 0.8905

CYLINDER #: 18  
CYLINDER PRESSURE: 134 PSIG  
DATE RUN: 11/27/17 12:00 AM  
ANALYSIS RUN BY: PATRICIA KING

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

GPA Standard: GPA-2261

GC: Danalyzer Model 500

Last Cal/Verify: 11/28/2017

GC Method: C6+ Gas



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

Analysis No: WP170222  
Cust No: 85500-13310

### Well/Lease Information

Customer Name: WPX ENERGY PRODUCTION, LLC  
Well Name: 718H WLU #716H;MTR  
County/State: SAN JUAN NM  
Location:  
Field:  
Formation:  
Cust. Str. No.:

Source: METER RUN  
Well Flowing:  
Pressure: 171 PSIG  
Flow Temp: 98 DEG. F  
Ambient Temp: 65 DEG. F  
Flow Rate: 2145 MCF/D  
Sample Method: Purge & Fill  
Date Sampled: 11/27/2017  
Sample Time: 3.17 PM  
Sampled By: JAMES MILLER  
Sampled by (CO): IDEAL COMPLETIONS

Remarks: RAN 11/28/2017

### Analysis

| Component:: | Mole%:   | Unnormalized %: | **GPM:  | *BTU:  | *SP Gravity: |
|-------------|----------|-----------------|---------|--------|--------------|
| Nitrogen    | 77.9320  | 76.6238         | 8.5800  | 0.00   | 0.7538       |
| CO2         | 0.1359   | 0.1336          | 0.0230  | 0.00   | 0.0021       |
| Methane     | 14.3172  | 14.0769         | 2.4290  | 144.60 | 0.0793       |
| Ethane      | 2.4150   | 2.3745          | 0.6460  | 42.74  | 0.0251       |
| Propane     | 2.6793   | 2.6343          | 0.7390  | 67.41  | 0.0408       |
| Iso-Butane  | 0.3570   | 0.3510          | 0.1170  | 11.61  | 0.0072       |
| N-Butane    | 1.1266   | 1.1077          | 0.3550  | 36.75  | 0.0226       |
| I-Pentane   | 0.2821   | 0.2774          | 0.1030  | 11.29  | 0.0070       |
| N-Pentane   | 0.2986   | 0.2936          | 0.1080  | 11.97  | 0.0074       |
| Hexane Plus | 0.4563   | 0.4486          | 0.2040  | 24.05  | 0.0151       |
| Total       | 100.0000 | 98.3214         | 13.3040 | 350.43 | 0.9603       |

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z): 1.001  
BTU/CU.FT IDEAL: 351.2  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 351.6  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 345.5  
DRY BTU @ 15.025: 358.6  
REAL SPECIFIC GRAVITY: 0.9609

CYLINDER #: 5  
CYLINDER PRESSURE: 162 PSIG  
DATE RUN: 11/27/17 3:17 PM  
ANALYSIS RUN BY: PATRICIA KING

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

GPA Standard: GPA-2261

GC: Danalyzer Model 500 Last Cal/Verify: 11/28/2017

GC Method: C6+ Gas



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

Analysis No: WP170223  
Cust No: 85500-13315

### Well/Lease Information

|                                           |                                    |
|-------------------------------------------|------------------------------------|
| Customer Name: WPX ENERGY PRODUCTION, LLC | Source: METER RUN                  |
| Well Name: 719H WLU # 716H;MTR            | Well Flowing: Y                    |
| County/State: SAN JAUN NM                 | Pressure: 126 PSIG                 |
| Location:                                 | Flow Temp: 84 DEG. F               |
| Field:                                    | Ambient Temp: 65 DEG. F            |
| Formation:                                | Flow Rate: 756 MCF/D               |
| Cust. Str. No.:                           | Sample Method: Purge & Fill        |
|                                           | Date Sampled: 11/27/2017           |
|                                           | Sample Time: 3.07 PM               |
|                                           | Sampled By: JAMES MILLER           |
|                                           | Sampled by (CO): IDEAL COMPLETIONS |

Remarks: RAN 11/28/2017. SAMPLE CONTAINED SMALL AMOUNT OF CONDENSATE

### Analysis

| Component:: | Mole%:   | Unnormalized %: | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|----------|-----------------|---------|---------|--------------|
| Nitrogen    | 30.8606  | 31.2967         | 3.4050  | 0.00    | 0.2985       |
| CO2         | 0.2994   | 0.3036          | 0.0510  | 0.00    | 0.0045       |
| Methane     | 47.3781  | 48.0478         | 8.0540  | 478.52  | 0.2624       |
| Ethane      | 8.1816   | 8.2972          | 2.1940  | 144.79  | 0.0849       |
| Propane     | 8.5000   | 8.6201          | 2.3480  | 213.87  | 0.1294       |
| Iso-Butane  | 0.9992   | 1.0133          | 0.3280  | 32.49   | 0.0201       |
| N-Butane    | 2.4774   | 2.5124          | 0.7830  | 80.82   | 0.0497       |
| I-Pentane   | 0.4415   | 0.4477          | 0.1620  | 17.66   | 0.0110       |
| N-Pentane   | 0.4054   | 0.4111          | 0.1470  | 16.25   | 0.0101       |
| Hexane Plus | 0.4568   | 0.4633          | 0.2040  | 24.08   | 0.0151       |
| Total       | 100.0000 | 101.4132        | 17.6760 | 1008.48 | 0.8858       |

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

|                                      |        |                    |                   |
|--------------------------------------|--------|--------------------|-------------------|
| COMPRESSIBILITY FACTOR (1/Z):        | 1.003  | CYLINDER #:        | 17                |
| BTU/CU.FT IDEAL:                     | 1010.8 | CYLINDER PRESSURE: | 126 PSIG          |
| BTU/CU.FT (DRY) CORRECTED FOR (1/Z): | 1013.9 | DATE RUN:          | 11/27/17 12:00 AM |
| BTU/CU.FT (WET) CORRECTED FOR (1/Z): | 996.3  | ANALYSIS RUN BY:   | PATRICIA KING     |
| DRY BTU @ 15.025:                    | 1034.2 |                    |                   |
| REAL SPECIFIC GRAVITY:               | 0.8881 |                    |                   |

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

GPA Standard: GPA-2261

GC: Danalyzer Model 500

Last Cal/Verify: 11/28/2017

GC Method: C6+ Gas



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

Analysis No: WP170224  
Cust No: 85500-13320

### Well/Lease Information

Customer Name: WPX ENERGY PRODUCTION, LLC  
Well Name: 753H WLU #716H;MTR  
County/State: SAN JUAN NM  
Location:  
Field:  
Formation:  
Cust. Stn. No.:

Source: METER RUN  
Well Flowing: Y  
Pressure: 140 PSIG  
Flow Temp: 88 DEG. F  
Ambient Temp: 65 DEG. F  
Flow Rate: 1201 MCF/D  
Sample Method: Purge & Fill  
Date Sampled: 11/27/2017  
Sample Time: 2.55 PM  
Sampled By: JAMES MILLER  
Sampled by (CO): IDEAL COMPLETION

Remarks: RAN 11/28/2017

### Analysis

| Component:: | Mole%:   | Unnormalized %: | **GPM:  | *BTU:  | *SP Gravity: |
|-------------|----------|-----------------|---------|--------|--------------|
| Nitrogen    | 36.8783  | 37.3011         | 4.0680  | 0.00   | 0.3567       |
| CO2         | 0.2958   | 0.2992          | 0.0510  | 0.00   | 0.0045       |
| Methane     | 41.8332  | 42.3129         | 7.1110  | 422.52 | 0.2317       |
| Ethane      | 6.8800   | 6.9589          | 1.8450  | 121.76 | 0.0714       |
| Propane     | 8.1432   | 8.2366          | 2.2500  | 204.89 | 0.1240       |
| Iso-Butane  | 1.1115   | 1.1242          | 0.3650  | 36.14  | 0.0223       |
| N-Butane    | 2.6912   | 2.7221          | 0.8510  | 87.80  | 0.0540       |
| I-Pentane   | 0.5887   | 0.5954          | 0.2160  | 23.55  | 0.0147       |
| N-Pentane   | 0.5688   | 0.5753          | 0.2070  | 22.80  | 0.0142       |
| Hexane Plus | 1.0093   | 1.0209          | 0.4510  | 53.20  | 0.0334       |
| Total       | 100.0000 | 101.1466        | 17.4150 | 972.66 | 0.9269       |

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z): 1.003  
BTU/CU.FT IDEAL: 974.9  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 977.8  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 960.8  
DRY BTU @ 15.025: 997.4  
REAL SPECIFIC GRAVITY: 0.9293

CYLINDER #: 30  
CYLINDER PRESSURE: 77 PSIG  
DATE RUN: 11/27/17 12:00 AM  
ANALYSIS RUN BY: PATRICIA KING

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

GPA Standard: GPA-2261

GC: Danalyzer Model 500

Last Cal/Verify: 11/28/2017

GC Method: C6+ Gas



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

Analysis No: WP170225  
Cust No: 85500-13325

### Well/Lease Information

Customer Name: WPX ENERGY PRODUCTION, LLC  
Well Name: 754H WLU #716H;MTR  
County/State: SAN JUAN NM  
Location:  
Field:  
Formation:  
Cust. Stn. No.:

Source: METER RUN  
Well Flowing: Y  
Pressure: 125 PSIG  
Flow Temp: 92 DEG. F  
Ambient Temp: 65 DEG. F  
Flow Rate: 733 MCF/D  
Sample Method: Purge & Fill  
Date Sampled: 11/27/2017  
Sample Time: 2.50 PM  
Sampled By: WILLY JONES  
Sampled by (CO): IDEAL CPMPLTION

Remarks: RAN 11/28/2017

### Analysis

| Component:: | Mole%:   | Unnormalized %: | **GPM:  | *BTU:  | *SP Gravity: |
|-------------|----------|-----------------|---------|--------|--------------|
| Nitrogen    | 57.3035  | 57.4908         | 6.3150  | 0.00   | 0.5542       |
| CO2         | 0.2938   | 0.2948          | 0.0500  | 0.00   | 0.0045       |
| Methane     | 27.5686  | 27.6587         | 4.6810  | 278.44 | 0.1527       |
| Ethane      | 4.3707   | 4.3850          | 1.1710  | 77.35  | 0.0454       |
| Propane     | 6.0132   | 6.0329          | 1.6590  | 151.30 | 0.0916       |
| Iso-Butane  | 0.8669   | 0.8697          | 0.2840  | 28.19  | 0.0174       |
| N-Butane    | 2.1179   | 2.1248          | 0.6690  | 69.09  | 0.0425       |
| I-Pentane   | 0.4597   | 0.4612          | 0.1680  | 18.39  | 0.0115       |
| N-Pentane   | 0.4257   | 0.4271          | 0.1550  | 17.07  | 0.0106       |
| Hexane Plus | 0.5800   | 0.5819          | 0.2590  | 30.57  | 0.0192       |
| Total       | 100.0000 | 100.3269        | 15.4110 | 670.40 | 0.9495       |

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z): 1.0019  
BTU/CU.FT IDEAL: 672.0  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 673.2  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 661.5  
DRY BTU @ 15.025: 686.7  
REAL SPECIFIC GRAVITY: 0.9509

CYLINDER #: 16  
CYLINDER PRESSURE: 121 PSIG  
DATE RUN: 11/27/17 2:50 PM  
ANALYSIS RUN BY: PATRICIA KING

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

GPA Standard: GPA-2261

GC: Danalyzer Model 500

Last Cal/Verify: 11/28/2017

GC Method: C6+ Gas



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

Analysis No: WP170226  
Cust No: 85500-13330

### Well/Lease Information

Customer Name: WPX ENERGY PRODUCTION, LLC  
Well Name: 755H WLU #716H;MTR  
County/State: SAN JUAN NM  
Location:  
Field:  
Formation:  
Cust. Stn. No.:

Source: METER RUN  
Well Flowing: Y  
Pressure: 140 PSIG  
Flow Temp: 83 DEG. F  
Ambient Temp: 65 DEG. F  
Flow Rate: 386 MCF/D  
Sample Method: Purge & Fill  
Date Sampled: 11/27/2017  
Sample Time: 2.49 PM  
Sampled By: JAMES MILLER  
Sampled by (CO):

Remarks: RAN 11/28/2017. SAMPLE CONTAINED A SMALL AMOUNT OF CONDENSATE,

### Analysis

| Component:: | Mole%:   | Unnormalized %: | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|----------|-----------------|---------|---------|--------------|
| Nitrogen    | 22.3117  | 22.5449         | 2.4630  | 0.00    | 0.2158       |
| CO2         | 0.3261   | 0.3295          | 0.0560  | 0.00    | 0.0050       |
| Methane     | 54.2193  | 54.7860         | 9.2220  | 547.61  | 0.3003       |
| Ethane      | 8.7012   | 8.7921          | 2.3350  | 153.99  | 0.0903       |
| Propane     | 9.3301   | 9.4276          | 2.5790  | 234.75  | 0.1421       |
| Iso-Butane  | 1.1306   | 1.1424          | 0.3710  | 36.77   | 0.0227       |
| N-Butane    | 2.5244   | 2.5508          | 0.7980  | 82.35   | 0.0507       |
| I-Pentane   | 0.4474   | 0.4521          | 0.1640  | 17.90   | 0.0111       |
| N-Pentane   | 0.3987   | 0.4029          | 0.1450  | 15.98   | 0.0099       |
| Hexane Plus | 0.6105   | 0.6169          | 0.2730  | 32.18   | 0.0202       |
| Total       | 100.0000 | 101.0452        | 18.4060 | 1121.54 | 0.8681       |

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z): 1.0035  
BTU/CU.FT IDEAL: 1124.1  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1128.1  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1108.5  
DRY BTU @ 15.025: 1150.7  
REAL SPECIFIC GRAVITY: 0.8708

CYLINDER #:  
CYLINDER PRESSURE: 131 PSIG  
DATE RUN: 11/27/17 12:00 AM  
ANALYSIS RUN BY: PATRICIA KING

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

GPA Standard: GPA-2261

GC: Danalyzer Model 500

GC Method: C6+ Gas

Last Cal/Verify: 11/28/2017



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Farmington District Office  
6251 College Blvd. - Suite A  
Farmington, New Mexico 87402  
[www.blm.gov/nm](http://www.blm.gov/nm)



In Reply refer To:

### Conditions of Approval

- Flaring is authorized pursuant to 43 CFR 3170, Subpart 3179.102.
- 43 CFR 3179.9 (a) The operator must estimate or measure all volumes of gas vented or flared from wells, facilities and equipment on a lease, unit PA, or communitized area and report those volumes under applicable ONRR reporting requirements.
- Flaring will be authorized until January 7, 2018 if additional time is required, please contact this office accordingly.
- Please take appropriate and necessary safety precautions at this well site during the flaring period.