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Farmington Field Office
Bureau of Land Management

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No.
NOG-1310-1841

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.
NMNM 135216A

1. Type of Well
☒Oil Well ☐Gas Well ☐Other

8. Well Name and No.
W Lybrook Unit #709H

2. Name of Operator
WPX Energy Production, LLC

9. API Well No.
30-045-35741

3a. Address
PO Box 640 Aztec, NM 87410

3b. Phone No. *(include area code)*
505-333-1808

10. Field and Pool or Exploratory Area
Lybrook Mancos W

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
SHL: 836' FSL & 461' FEL, Sec 12, T23N, R9W
BHL: 336' FNL & 964' FEL, Sec 11 T23N, R9W

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			
☒Notice of Intent	☐Acidize	☐Deepen	☐Production (Start/Resume)	☐Water ShutOff
☐Subsequent Report	☐Alter Casing	☐Hydraulic Fracturing	☐Reclamation	☐Well Integrity
☐Final Abandonment Notice	☐Casing Repair	☐New Construction	☐Recomplete	☐Other **Flare Extension continued**
	☐Change Plans	☐Plug and Abandon	☐Temporarily Abandon	
	☐Convert to Injection	☐Plug Back	☐Water Disposal	

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 recomplete 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 perfonned 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 recompletion 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 detennined that the site is ready for final inspection.)

The Frac activity on W. Lybrook Unit 716H - 718H- 719H- 753H-754H- 755H caused High Nitrogen and CO2 content level on **W. Lybrook Unit 709H.**

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

DEC 07 2017

SEE ATTACHED FOR CONDITIONS OF APPROVAL

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

Title Permit Tech

Signature Marie E. Florez

Date 11/30/17

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by A G Elmadani

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	Source:	METER RUN
Well Name:	716H WLU #716H;MTR	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	132 PSIG
Location:		Flow Temp:	80 DEG. F
Field:		Ambient Temp:	65 DEG. F
Formation:		Flow Rate:	571 MCF/D
Cust. Stn. No.:		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%:	Unormalized %:	**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.

COMPRESSIBLITY FACTOR	(1/Z):	1.0029	CYLINDER #:	18
BTU/CU.FT IDEAL:		986.6	CYLINDER PRESSURE:	134 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):		989.4	DATE RUN:	11/27/17 12:00 AM
BTU/CU.FT (WET) CORRECTED FOR (1/Z):		972.2	ANALYSIS RUN BY:	PATRICIA KING
DRY BTU @ 15.025:		1009.2		
REAL SPECIFIC GRAVITY:		0.8905		

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	Source:	METER RUN
Well Name:	718H WLU #716H;MTR	Well Flowing:	
County/State:	SAN JUAN NM	Pressure:	171 PSIG
Location:		Flow Temp:	98 DEG. F
Field:		Ambient Temp:	65 DEG. F
Formation:		Flow Rate:	2145 MCF/D
Cust. Stn. No.:		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%:	Unormalized %:	**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.

COMPRESSIBLITY FACTOR (1/Z):	1.001	CYLINDER #:	5
BTU/CU.FT IDEAL:	351.2	CYLINDER PRESSURE:	162 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	351.6	DATE RUN:	11/27/17 3:17 PM
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	345.5	ANALYSIS RUN BY:	PATRICIA KING
DRY BTU @ 15.025:	358.6		
REAL SPECIFIC GRAVITY:	0.9609		

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. Stn. 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%:	Unormalized %:	**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.

COMPRESSIBLITY 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	Source:	METER RUN
Well Name:	753H WLU #716H;MTR	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	140 PSIG
Location:		Flow Temp:	88 DEG. F
Field:		Ambient Temp:	65 DEG. F
Formation:		Flow Rate:	1201 MCF/D
Cust. Stn. No.:		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%:	Unormalized %:	**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.

COMPRESSIBLITY FACTOR (1/Z):	1.003	CYLINDER #:	30
BTU/CU.FT IDEAL:	974.9	CYLINDER PRESSURE:	77 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	977.8	DATE RUN:	11/27/17 12:00 AM
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	960.8	ANALYSIS RUN BY:	PATRICIA KING
DRY BTU @ 15.025:	997.4		
REAL SPECIFIC GRAVITY:	0.9293		

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	Source:	METER RUN
Well Name:	754H WLU #716H;MTR	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	125 PSIG
Location:		Flow Temp:	92 DEG. F
Field:		Ambient Temp:	65 DEG. F
Formation:		Flow Rate:	733 MCF/D
Cust. Stn. No.:		Sample Method:	Purge & Fill
		Date Sampled:	11/27/2017
		Sample Time:	2.50 PM
		Sampled By:	WILLY JONES
		Sampled by (CO):	IDEAL CPMPLETION

Remarks: RAN 11/28/2017

Analysis

Component::	Mole%:	Unormalized %:	**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.

COMPRESSIBLITY FACTOR (1/Z):	1.0019	CYLINDER #:	16
BTU/CU.FT IDEAL:	672.0	CYLINDER PRESSURE:	121 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	673.2	DATE RUN:	11/27/17 2:50 PM
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	661.5	ANALYSIS RUN BY:	PATRICIA KING
DRY BTU @ 15.025:	686.7		
REAL SPECIFIC GRAVITY:	0.9509		

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	Source:	METER RUN
Well Name:	755H WLU #716H;MTR	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	140 PSIG
Location:		Flow Temp:	83 DEG. F
Field:		Ambient Temp:	65 DEG. F
Formation:		Flow Rate:	386 MCF/D
Cust. Stn. No.:		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%:	Unormalized %:	**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.

COMPRESSIBLITY FACTOR	(1/Z):	1.0035	CYLINDER #:	
BTU/CU.FT IDEAL:		1124.1	CYLINDER PRESSURE:	131 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):		1128.1	DATE RUN:	11/27/17 12:00 AM
BTU/CU.FT (WET) CORRECTED FOR (1/Z):		1108.5	ANALYSIS RUN BY:	PATRICIA KING
DRY BTU @ 15.025:		1150.7		
REAL SPECIFIC GRAVITY:		0.8708		

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

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

TAKE PRIDE IN AMERICA

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.