

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SEP 10 2014

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.
NMNM-109397

6. If Indian, Allottee or Tribe Name
RCVD SEP 22 '14

7. If Unit of CA/Agreement, Name and/or No.
OIL CONS. DIV.

8. Well Name and No.
Logos #4 **DIST. 3**

9. API Well No.
30-045-35420

10. Field and Pool or Exploratory Area
Basin Mancos

11. Country or Parish, State
San Juan County, NM

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)
505-333-1806

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SHL: 1256' FNL & 2298' FWL SEC 01 T23N R08W

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"/> Fracture Treat	<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 checked="" type="checkbox"/> Other <u>Flare Extension</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	_____
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 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 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 determined that the site is ready for final inspection.)

WPX Energy requests authorization to flare this well due to inability to send the gas to pipeline. The beeline pipeline and tie-in will be finished with construction and the gas will go to delivery on or around 10/9/14. They are currently boring underneath US Highway 550 and waiting on the availability of boring equipment. Therefore, WPX Energy is requesting a no-flare exception until 10/9/14. The gas analysis is attached.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)
Mark Heil

Title Regulatory Specialist

Signature *M. Heil* Date 9/9/14

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by *[Signature]* Title *Petr. Eng* Date *9/18/14*

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 _____

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.

NMOC



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

Analysis No: WP140318
 Cust No: 85500-11350

Well/Lease Information

Customer Name: WPX ENERGY PRODUCTION, LLC	Source: SPOT
Well Name: LOGOS #4	Pressure: 113 PSIA
County/State:	Sample Temp: DEG. F
Location: 01-23N-08W	Well Flowing:
Field:	Date Sampled: 09/04/2014
Formation:	Sampled By: GEORGE REGAN
Cust. Stn. No.:	Foreman/Engr.: CODY BOYD

Remarks:

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	10.594	1.1700	0.00	0.1025
CO2	0.524	0.0900	0.00	0.0080
Methane	64.774	11.0220	654.21	0.3588
Ethane	10.512	2.8220	186.03	0.1091
Propane	8.129	2.2480	204.54	0.1238
Iso-Butane	0.970	0.3190	31.54	0.0195
N-Butane	2.417	0.7650	78.85	0.0485
I-Pentane	0.556	0.2040	22.25	0.0139
N-Pentane	0.531	0.1930	21.29	0.0132
Hexane Plus	0.993	0.4450	52.34	0.0329
Total	100.000	19.2780	1251.05	0.8300

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.004
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1259.0
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1237.1
 REAL SPECIFIC GRAVITY: 0.833

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

DRY BTU @ 14.650: 1252.2
 DRY BTU @ 14.696: 1256.1
 DRY BTU @ 14.730: 1259.0
 DRY BTU @ 15.025: 1284.2

CYLINDER #: 15
 CYLINDER PRESSURE: 105 PSIG
 DATE RUN: 9/8/14 4:15 PM
 ANALYSIS RUN BY: JENNIFER DEAN



WPX ENERGY PRODUCTION, LLC
WELL ANALYSIS COMPARISON

Lease: LOGOS #4 SPOT 09/08/2014
Stn. No.: 85500-11350
Mtr. No.:

Smpl Date: 09/04/2014
Test Date: 09/08/2014
Run No: WP140318
Nitrogen: 10.594
CO2: 0.524
Methane: 64.774
Ethane: 10.512
Propane: 8.129
I-Butane: 0.970
N-Butane: 2.417
I-Pentane: 0.556
N-Pentane: 0.531
Hexane+: 0.993
BTU: 1259.0
GPM: 19.2780
SPG: 0.8330



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

Analysis No: LG140071
Cust No: 46600-10265

Well/Lease Information

Customer Name: LOGOS OPERATING LLC
Well Name: LOGOS #4 SEP
County/State: SAN JUAN
Location:
Field:
Formation:
Cust. Stn. No.:

Source: SEPARATOR
Pressure: 165 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 08/19/2014
Sampled By: SHELDON MONTOYA
Foreman/Eng.: DAVID GONZALES

Remarks:

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	16.781	1.8510	0.00	0.1623
CO2	0.501	0.0860	0.00	0.0076
Methane	63.038	10.7170	636.69	0.3492
Ethane	9.322	2.5000	164.97	0.0968
Propane	6.734	1.8600	169.43	0.1025
Iso-Butane	0.759	0.2490	24.68	0.0152
N-Butane	1.889	0.5970	61.62	0.0379
I-Pentane	0.383	0.1400	15.32	0.0095
N-Pentane	0.341	0.1240	13.67	0.0085
Hexane Plus	0.252	0.1130	13.28	0.0083
Total	100.000	18.2370	1099.67	0.7979

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1105.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1086.4
REAL SPECIFIC GRAVITY: 0.8001

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

DRY BTU @ 14.650: 1099.6
DRY BTU @ 14.696: 1103.0
DRY BTU @ 14.730: 1105.6
DRY BTU @ 15.025: 1127.7

CYLINDER #: 6078
CYLINDER PRESSURE: 163 PSIG
DATE RUN: 8/21/14 11:21 AM
ANALYSIS RUN BY: JENNIFER DEAN



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



In Reply Refer To:

Conditions of Approval:

Logos #4

Unit C, Section 1-23N-8W

Lease No. NMNM109397

- Flaring is authorized pursuant to NTL 4A Part IV, B (2). As such, no royalty obligation will be incurred during the pipeline construction period since the flared gas is considered neither “avoidably or unavoidably lost. However, flared volumes must be reported on your Oil and Gas Operations Reports (OGORs) during the flaring period.
- Flaring will be authorized until October 9, 2014. If additional time is required, please contact this office accordingly.
- Within 5 days of commencing of gas sales, please provide this office with a sundry notice listing first delivery date, pipeline carrier and meter number. Please be advised that the meter must meet all the requirements of Onshore Order #5.
- Please take any appropriate and necessary safety precautions at this well site during the flaring period.