

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MAR 31 2014

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

**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.  
NMSF-078362 **RCVD APR 7 '14**

6. If Indian, Allottee or Tribe Name  
**OIL CONS. DIV.**

7. If Unit of CA/Agreement, Name and/or No.  
**DIST. 3**

8. Well Name and No.  
Chaco 2307-12E #168H

9. API Well No.  
30-039-31173

10. Field and Pool or Exploratory Area  
Lybrook Gallup

11. Country or Parish, State  
Rio Arriba, 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)

505-333-1822

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

Sur: 1492' FNL & 303' FWL, sec 12, T23N, R7W

BHL: 340' FNL & 340' FWL, Sec 11, T23N, R7W

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 <b>2<sup>ND</sup> EMERGENCY FLARE REQUEST</b>
	<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 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.)

WPX Energy requests authorization to flare this well due to a temporary emergency situation. Earlier this month this well was showing nitrogen content of 86%. WPX was granted authorization for emergency flaring by the BLM on 2/20/2014. On or about 3/19/14 the well was shut in so that the Chaco #2307-12E #169H could be drilled. It has been shut in since that time. We expect drilling on the #169H to be completed or about 4/4/14 at which time we would like to put the Chaco #168H back to flare to finish cleaning out nitrogen.

Attached is gas analysis report dated 3/17/2014 shows a nitrogen content of 22.65 percent. It is estimated that gas volumes will be approximately 500 mcf/d for a week then drop to approximately 200 mcf/d and we should see pipeline quality gas by 4/30/14.

Approved pursuant to  
NTL4A, Part III C

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

Name (Printed/Typed)

Heather Riley

Title Regulatory Team Lead

Signature

Date 3/31/2014

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title Petr. Eng

Date 4/3/14

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

NMOCDAV



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

Analysis No: WP140094  
Cust No: 85500-11045

### Well/Lease Information

Customer Name: WPX ENERGY PRODUCTION, LLC  
Well Name: CHACO 2307-12E #168H  
County/State:  
Location:  
Field:  
Formation:  
Cust. Str. No.:

Source: N/A  
Pressure: 60 PSIG  
Sample Temp: DEG. F  
Well Flowing:  
Date Sampled: 03/17/2014  
Sampled By: WILLIAM VANHUSS  
Foreman/Engr.: CODY BOYD

Remarks:

### Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	22.646	2.4990	0.00	0.2190
CO2	0.375	0.0640	0.00	0.0057
Methane	53.493	9.0970	540.28	0.2963
Ethane	9.267	2.4860	164.00	0.0962
Propane	9.305	2.5720	234.12	0.1417
Iso-Butane	1.107	0.3630	36.00	0.0222
N-Butane	2.496	0.7890	81.43	0.0501
I-Pentane	0.511	0.1870	20.44	0.0127
N-Pentane	0.437	0.1590	17.52	0.0109
Hexane Plus	0.363	0.1620	19.13	0.0120
Total	100.000	18.3780	1112.92	0.8668

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z): 1.0034  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1119.3  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1099.8  
REAL SPECIFIC GRAVITY: 0.8695

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

DRY BTU @ 14.650: 1113.2  
DRY BTU @ 14.696: 1116.7  
DRY BTU @ 14.730: 1119.3  
DRY BTU @ 15.025: 1141.7

CYLINDER #: 3  
CYLINDER PRESSURE: 60 PSIG  
DATE RUN: 3/19/14 8:17 AM  
ANALYSIS RUN BY: DAWN BLASSINGAME



WPX ENERGY PRODUCTION, LLC  
WELL ANALYSIS COMPARISON

Lease: CHACO 2307-12E #168H  
 Stn. No.:  
 Mtr. No.:

N/A

03/19/2014  
 85500-11045

<b>Smpl Date:</b>	03/17/2014	03/12/2014	03/09/2014	02/16/2014	02/07/2014	02/17/2014	02/01/2014
<b>Test Date:</b>	03/19/2014	03/13/2014	03/10/2014	02/24/2014	02/19/2014	02/18/2014	02/13/2014
<b>Run No:</b>	WP140094	WP140093	WP140082	WP140058	WP140053	WP140045	WP140040
<b>Nitrogen:</b>	22.646	32.710	44.328	7.357	7.930	86.120	7.606
<b>CO2:</b>	0.375	0.368	0.280	0.427	0.433	0.108	0.439
<b>Methane:</b>	53.493	46.804	37.197	64.164	65.259	6.366	65.509
<b>Ethane:</b>	9.267	7.778	8.040	10.427	10.525	1.423	10.646
<b>Propane:</b>	9.305	7.212	6.400	9.863	9.445	2.593	9.297
<b>I-Butane:</b>	1.107	0.958	0.780	1.416	1.280	0.566	1.245
<b>N-Butane:</b>	2.496	2.354	1.990	3.435	3.025	1.599	2.892
<b>I-Pentane:</b>	0.511	0.531	0.372	0.878	0.638	0.418	0.593
<b>N-Pentane:</b>	0.437	0.474	0.290	0.846	0.554	0.344	0.516
<b>Hexane+:</b>	0.363	0.810	0.323	1.187	0.912	0.463	1.257
<b>BTU:</b>	1119.3	987.9	816.6	1380.3	1328.0	281.1	1338.6
<b>GPM:</b>	18.3780	17.4940	16.4460	20.0600	19.7210	12.8490	19.7930
<b>SPG:</b>	0.8695	0.8923	0.9044	0.8749	0.8475	1.0024	0.8509
	01/12/2014	12/30/2013	01/05/2014	12/23/2013	12/04/2013	11/25/2013	11/18/2013
	01/28/2014	01/28/2014	01/06/2014	12/26/2013	12/05/2013	11/26/2013	11/25/2013
	WP140025	WP140024	WP140004	WP130246	WP130229	WP130217	WP130212
	7.959	8.167	8.160	8.588	10.274	9.670	9.406
	0.432	0.416	0.437	0.431	0.439	0.429	0.450
	64.648	63.317	65.479	64.642	64.561	65.248	64.699
	10.697	10.651	10.741	10.889	9.966	10.536	10.847
	10.101	10.273	9.838	9.885	9.162	9.365	9.451
	1.420	1.464	1.290	1.298	1.263	1.195	1.192
	3.290	3.443	2.846	2.864	2.997	2.627	2.681
	0.585	0.645	0.463	0.491	0.579	0.423	0.514
	0.473	0.557	0.359	0.392	0.461	0.333	0.433
	0.395	1.067	0.387	0.520	0.298	0.174	0.327
	1321.8	1360.3	1295.4	1301.2	1263.1	1252.9	1272.6
	19.6950	19.9490	19.5230	19.5710	19.2820	19.2370	19.3840
	0.8437	0.8705	0.8289	0.8371	0.8309	0.8176	0.8278



WPX ENERGY PRODUCTION, LLC  
WELL ANALYSIS COMPARISON

Lease: CHACO 2307-12E #168H  
 Stn. No.:  
 Mtr. No.:

N/A

03/19/2014  
 85500-11045

11/11/2013	11/04/2013	10/24/2013	10/15/2013	09/17/2013	09/09/2013	09/09/2013
11/19/2013	11/11/2013	11/11/2013	10/24/2013	09/20/2013	09/12/2013	09/12/2013
WP130203	WP130197	WP130196	WP130187	WP130172	WP130165	WP130164
9.839	10.235	12.490	12.629	13.111	14.440	14.729
0.419	0.432	0.424	0.417	0.417	0.400	0.408
63.622	65.147	63.972	61.981	61.836	59.334	60.460
10.373	10.458	10.332	10.845	10.350	10.169	10.225
9.903	8.735	8.586	9.244	9.458	9.434	8.999
1.375	1.056	1.005	1.076	1.151	1.265	1.146
3.251	2.441	2.182	2.333	2.617	2.944	2.624
0.535	0.453	0.384	0.418	0.460	0.632	0.507
0.411	0.381	0.320	0.360	0.376	0.566	0.432
0.272	0.662	0.305	0.697	0.224	0.816	0.470
1286.5	1252.9	1200.2	1237.2	1221.2	1252.8	1210.7
19.4590	19.2310	18.8910	19.1650	19.0440	19.2520	18.9730
0.8409	0.8237	0.8138	0.8389	0.8338	0.8681	0.8442
09/03/2013	08/27/2013	08/19/2013	08/12/2013	08/06/2013	08/01/2013	07/22/2013
09/05/2013	08/30/2013	08/20/2013	08/13/2013	08/09/2013	08/09/2013	07/23/2013
WP130159	WP130154	WP130148	WP130145	WP130141	WP130140	WP130132
14.822	16.055	17.210	20.128	23.151	26.283	38.911
0.385	0.375	0.375	0.359	0.362	0.355	0.311
58.036	56.775	56.020	55.636	53.137	45.148	39.349
9.495	9.370	9.317	8.867	9.002	9.365	7.098
8.875	8.984	8.910	8.128	8.065	10.057	7.395
1.339	1.360	1.329	1.159	1.104	1.541	1.139
3.432	3.478	3.384	2.873	2.684	3.883	2.934
0.981	0.974	0.942	0.767	0.681	1.002	0.803
0.973	0.955	0.928	0.743	0.655	0.951	0.776
1.662	1.674	1.585	1.340	1.159	1.415	1.284
1307.9	1297.4	1275.5	1193.3	1143.8	1212.4	978.1
19.5770	19.5120	19.3710	18.8190	18.5220	19.0290	17.4360
0.9076	0.9139	0.9121	0.8901	0.8906	0.9681	0.9514



# 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:

**Chaco 2307-12E #168H**

**Unit E, Section 12-23N-7W**

**Lease No. NMSF078362**

- Venting is authorized pursuant to NTL 4A Part III C and IV B. As such, no royalty obligation will be incurred during the evaluation period. The vented volumes must be reported on your Oil and Gas Operations Reports (OGORs) during the venting period.
- Venting will be authorized until May 1, 2014. If additional time is required, please contact this office accordingly.
- Please take appropriate and necessary safety precautions at this well site during the venting period.