

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-129  
Revised August 1, 2011

Submit one copy to appropriate  
District Office

NFO Permit No. \_\_\_\_\_  
(For Division Use Only)

## APPLICATION FOR EXCEPTION TO NO-FLARE RULE 19.15.18.12

(See Rule 19.15.18.12 NMAC and Rule 19.15.7.37 NMAC)

RCVD OCT 10 '14  
OIL CONS. DIV.  
DIST. 3

A. Applicant: **WPX Energy Production, LLC**

whose address is: **P.O. Box 640, Aztec, NM 87410,**

hereby requests an exception to Rule 19.15.18.12 until 10/22/14, for the following described tank battery (or LACT):

Name of Lease: **Chaco 2307-12E #169H API-30-039-31211** Name of Pool: **Lybrook Gallup**

Location of Battery: Unit Letter E Section 12 Township 23N Range 7W

Number of wells producing into battery 2

B. Based upon oil production of **130** barrels per day, the estimated volume

of gas to be flared is **460 MCF/D**; Value: **\$1840** per day.

C. Name and location of nearest gas gathering facility:

**Beeline Gas Systems, Sec 12, T23N, R07W**

D. Distance        BUILT        Estimated cost of connection       

E. This exception is requested for the following reasons:

On 10/1/14, WPX Energy requested authorization to flare this well due to an expected spike in nitrogen content from frac activity. However, the results to the gas analysis conducted did not show that nitrogen was elevated enough to flare the well (see the attached gas analysis).

Even though there is no need to flare this well due to elevated nitrogen content, WPX Energy is requesting for approval to flare this well due to the Enterprise Chaco Plant outage occurring on 10/14/14. The outage is expected to last until 10/22/14 and WPX Energy is requesting authorization to flare until the plant is back in service.

### OPERATOR

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature Mark Heil

Printed Name  
& Title Mark Heil, Regulatory Specialist

E-mail Address mark.heil@wpxenergy.com

Date: 10/10/2014 Telephone No. (505) 333-1806

### OIL CONSERVATION DIVISION

Approved Until 10-25-14

By Chunther

Title SUPERVISOR DISTRICT # 3

Date OCT 14 2014

\* Gas-Oil ratio test may be required to verify estimated gas volume.



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

Analysis No: WP140344  
Cust No: 85500-11180

### Well/Lease Information

Customer Name: WPX ENERGY PRODUCTION, LLC  
Well Name: CHACO 2307-12E #169H  
County/State:  
Location:  
Field:  
Formation:  
Cust. Stn. No.: 62310052

Source:  
Pressure: 58 PSIG  
Sample Temp: 78 DEG. F  
Well Flowing: Y  
Date Sampled: 10/08/2014  
Sampled By: JASON LUSK  
Foreman/Engr.: CODY BOYD

Remarks:

### Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	18.706	2.0650	0.00	0.1809
CO2	0.367	0.0630	0.00	0.0056
Methane	56.954	9.6890	575.24	0.3155
Ethane	10.611	2.8480	187.79	0.1102
Propane	7.877	2.1780	198.20	0.1199
Iso-Butane	1.014	0.3330	32.97	0.0203
N-Butane	2.425	0.7670	79.11	0.0487
I-Pentane	0.596	0.2190	23.85	0.0148
N-Pentane	0.548	0.1990	21.97	0.0137
Hexane Plus	0.901	0.4030	47.49	0.0298
Total	100.000	18.7640	1166.62	0.8594

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z): 1.0037  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1173.7  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1153.3  
REAL SPECIFIC GRAVITY: 0.8622

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

DRY BTU @ 14.650: 1167.3  
DRY BTU @ 14.696: 1171.0  
DRY BTU @ 14.730: 1173.7  
DRY BTU @ 15.025: 1197.2

CYLINDER #: R.E. #16  
CYLINDER PRESSURE: 105 PSIG  
DATE RUN: 10/9/14 2:44 PM  
ANALYSIS RUN BY: DAWN BLASSINGAME



WPX ENERGY PRODUCTION, LLC

WELL ANALYSIS COMPARISON

Lease: CHACO 2307-12E #169H  
 Stn. No.: 62310052  
 Mtr. No.:

10/09/2014  
 85500-11180

Smpl Date:	10/08/2014	10/01/2014	09/30/2014	07/02/2014	06/04/2014	05/27/2014	05/18/2014
Test Date:	10/09/2014	10/02/2014	10/02/2014	07/09/2014	06/11/2014	06/04/2014	05/21/2014
Run No:	WP140344	WP140329	WP140331	WP140266	WP140199	WP140183	WP140166
Nitrogen:	18.706	12.764	6.526	10.410	14.833	20.261	18.086
CO2:	0.367	0.439	0.393	0.348	0.357	0.333	0.316
Methane:	56.954	61.669	65.032	65.162	65.699	59.669	54.964
Ethane:	10.611	10.307	12.017	11.197	10.384	9.913	10.473
Propane:	7.877	8.749	9.027	7.792	6.020	6.394	8.629
I-Butane:	1.014	1.155	1.246	1.001	0.612	0.732	1.260
N-Butane:	2.425	2.933	3.047	2.335	1.273	1.596	3.138
I-Pentane:	0.596	0.591	0.800	0.553	0.243	0.347	0.873
N-Pentane:	0.548	0.505	0.757	0.502	0.213	0.312	0.842
Hexane+:	0.901	0.888	1.155	0.700	0.366	0.443	1.419
BTU:	1173.7	1257.4	1369.4	1248.0	1103.6	1070.3	1252.7
GPM:	18.7640	19.2730	20.0500	19.2230	18.2490	18.0420	19.2760
SPG:	0.8622	0.8538	0.8584	0.8211	0.7756	0.8117	0.9058

05/12/2014

05/21/2014

WP140165

23.401

0.310

51.353

10.041

8.440

1.194

2.953

0.756

0.712

0.840

1153.9

18.6380

0.8988