

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)

OIL CONS. DIV DIST. 3

OCT 29 2014

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 11/29/14, for the following described tank battery (or LACT):

Name of Lease: NE CHACO COM #171H API-30-039-31217 Name of Pool: Chaco Unit NE HZ (Oil) (330')

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

Number of wells producing into battery 1

B. Based upon oil production of 500 barrels per day, the estimated volume of gas to be flared is 600 MCF/D; Value: \$2100 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 \_\_\_\_\_

This exception is requested for the following reasons: WPX Energy requests authorization to flare this well due to an expected spike in nitrogen content above acceptable Beeline Gas Systems standards due to nearby frac activity on the NE CHACO COM #181H, NE CHACO COM #182H, NE CHACO COM #183H. As a result, WPX Energy is anticipating that the NE CHACO COM #171H may experience crossflow. If a crossflow event on the well results in nitrogen content above Beeline Gas Systems standards, flaring may begin as soon as 10/30/14 given approval. The well would flare for up to 30 days. Pipeline quality gas should be obtained within 30 days. A gas sample will be collected upon the confirmation of crossflow and sent to a third party for a gas analysis. The results of the gas analysis will be submitted upon receipt.

### 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: 10/29/14 Telephone No. (505) 333-1806

### OIL CONSERVATION DIVISION

Approved Until 11-30-2014

By Chris Lin

Title SUPERVISOR DISTRICT # 3

Date OCT 30 2014

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



API # 30-039-31217  
 2030 Afton Place  
 Farmington, NM 87401  
 (505) 325-6622

Analysis No: WP140364  
 Cust No: 85500-11380

**Well/Lease Information**

Customer Name: WPX ENERGY PRODUCTION, LLC  
 Well Name: CHACO 171H  
 County/State:  
 Location:  
 Field:  
 Formation:  
 Cust. Stn. No.:

Source:  
 Pressure: 324 PSIG  
 Sample Temp: 81 DEG. F  
 Well Flowing:  
 Date Sampled: 10/28/2014  
 Sampled By: RAMSEY HATALIE  
 Foreman/Engr.: CODY BOYD

OIL CONS. DIV DIST. 3

OCT 29 2014

Remarks:

**Analysis**

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	41.438	4.5660	0.00	0.4008
CO2	0.237	0.0410	0.00	0.0036
Methane	44.040	7.4780	444.80	0.2439
Ethane	7.663	2.0530	135.61	0.0796
Propane	4.529	1.2500	113.95	0.0690
Iso-Butane	0.493	0.1620	16.03	0.0099
N-Butane	1.068	0.3370	34.84	0.0214
I-Pentane	0.204	0.0750	8.16	0.0051
N-Pentane	0.171	0.0620	6.85	0.0043
Hexane Plus	0.157	0.0700	8.28	0.0052
Total	100.000	16.0940	768.54	0.8427

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z): 1.0019  
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 771.8  
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 758.4  
 REAL SPECIFIC GRAVITY: 0.844

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

DRY BTU @ 14.650: 767.6  
 DRY BTU @ 14.696: 770.0  
 DRY BTU @ 14.730: 771.8  
 DRY BTU @ 15.025: 787.3

CYLINDER #: R.S. #8  
 CYLINDER PRESSURE: 293 PSIG  
 DATE RUN: 10/29/14 9:25 AM  
 ANALYSIS RUN BY: JENNIFER DEAN



OIL CONS. DIV DIST. 3

OCT 29 2014

WPX ENERGY PRODUCTION, LLC  
WELL ANALYSIS COMPARISON

Lease: CHACO 171H  
Stn. No.:  
Mtr. No.:

10/29/2014  
85500-11380

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<b>Smpl Date:</b>	10/28/2014	10/14/2014
<b>Test Date:</b>	10/29/2014	10/15/2014
<b>Run No:</b>	WP140364	WP140346
<b>Nitrogen:</b>	41.438	23.558
<b>CO2:</b>	0.237	0.307
<b>Methane:</b>	44.040	51.752
<b>Ethane:</b>	7.663	10.612
<b>Propane:</b>	4.529	8.041
<b>I-Butane:</b>	0.493	1.074
<b>N-Butane:</b>	1.068	2.638
<b>I-Pentane:</b>	0.204	0.633
<b>N-Pentane:</b>	0.171	0.586
<b>Hexane+:</b>	0.157	0.799
<b>BTU:</b>	771.8	1131.4
<b>GPM:</b>	16.0940	18.5170
<b>SPG:</b>	0.8440	0.8859