

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

NFO Permit

Form C-129

Revised August 1, 2011

Submit one copy to appropriate
District Office

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)

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 **12/27/16** for the following described tank battery (or LACT):

Name of Lease: **KWU # 771H API-30-045-35756** Name of Pool: **BASIN MANCOS**

Location of Battery: Unit Letter **P** Section **17** Township **23N** Range **7W**

Number of wells producing into battery **1**

B. Based upon oil production of **430** barrels per day, the estimated volume

of gas to be flared is **480 MCF/D**; Value: **\$1200** per day.

C. Name and location of nearest gas gathering facility:

Williams at Turtle Mountain, Sec 9, T23N, R08W

D. Distance **Pending** Estimated cost of connection **Pending**

EMERGENCY FLARE EXTENSION

E. WPX Energy requests authorization to flare this well for an additional 30 days. The nitrogen content is approximately 20% (see attached gas measurement report). (Date of expiration is 11/27/16)

At this current nitrogen content level, the Williams system is not able to take this additional volume to their system.

The approval for gas pipeline is currently being permitted by the BLM FFO by a series of APD's.

WPX is testing the commerciality of this well and respectfully requests additional time to further evaluate this well.

WPX is continuing to explore options to eliminate flaring, the most recent has been to purchase the below combustors.

- Wellhead Combustion: Crimson Energy, Model CE600, High Capacity Combustor
- Tank Vapor Combustion: Cimarron Energy, 48" High Volume ECD

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 

Printed Name
& Title: **LACEY GRANILLO- PERMIT TECH III**

E-mail Address: lacey.granillo@wpxenergy.com

Date: **11/16/16** Telephone No. (505) 333-1816

OIL CONSERVATION DIVISION

Approved Until **12-27-2016**

By 

Title **SUPERVISOR DISTRICT #3**

Date **11-17-16**

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

OIL CONS. DIV DIST. 3
NOV 17 2016



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

Analysis No: WP160450
Cust No: 85500-12675

Well/Lease Information

Customer Name: WPX ENERGY PRODUCTION, LLC
Well Name: KWU #771H
County/State: SAN JUAN NM
Location:
Field:
Formation: MANCOS
Cust. Str. No.: 62426323

Source: METER RUN
Pressure: 134 PSIG
Sample Temp: 107 DEG. F
Well Flowing: Y
Date Sampled: 11/08/2016
Sampled By: D. DWYER
Foreman/Engr.: DILLAIN GAGE

Remarks:

Analysis

| Component:: | Mole%: | **GPM: | *BTU: | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen | 19.549 | 2.1590 | 0.00 | 0.1891 |
| CO2 | 0.293 | 0.0500 | 0.00 | 0.0045 |
| Methane | 55.023 | 9.3630 | 555.74 | 0.3048 |
| Ethane | 8.957 | 2.4040 | 158.51 | 0.0930 |
| Propane | 9.238 | 2.5550 | 232.43 | 0.1406 |
| Iso-Butane | 1.153 | 0.3790 | 37.49 | 0.0231 |
| N-Butane | 3.166 | 1.0020 | 103.28 | 0.0635 |
| I-Pentane | 0.745 | 0.2730 | 29.81 | 0.0186 |
| N-Pentane | 0.772 | 0.2810 | 30.95 | 0.0192 |
| Hexane Plus | 1.104 | 0.4940 | 58.19 | 0.0365 |
| Total | 100.000 | 18.9600 | 1206.40 | 0.8929 |

* @ 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): 1214.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1193.0
REAL SPECIFIC GRAVITY: 0.8962

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

DRY BTU @ 14.650: 1207.5
DRY BTU @ 14.696: 1211.3
DRY BTU @ 14.730: 1214.1
DRY BTU @ 15.025: 1238.4

CYLINDER #: RE #7
CYLINDER PRESSURE: 136 PSIG
DATE RUN: 11/9/16 12:00 AM
ANALYSIS RUN BY: PATRICIA KING