

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)

OIL CONS. DIV DIST. 3

OCT 25 2016

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 11/27/16 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 653 barrels per day, the estimated volume of gas to be flared is 421 MCF/D; Value: \$1335 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 21% (see attached gas measurement report). (Date of expiration is 10/27/16) 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 attempting to run the jet pump off produced gas without success.

**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 [Signature]

Printed Name  
& Title: LACEY GRANILLO- PERMIT TECH III

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

Date: 10/25/16 Telephone No. (505) 333-1816

**OIL CONSERVATION DIVISION**

Approved Until 11-27-2016

By [Signature]

Title SUPERVISOR DISTRICT #3

Date OCT 27 2016

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



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

Analysis No: WP160445  
Cust No: 85500-12675

### Well/Lease Information

Customer Name:	WPX ENERGY PRODUCTION, LLC	Source:	METER RUN
Well Name:	KWU #771H	Pressure:	114 PSIG
County/State:	SAN JUAN NM	Sample Temp:	80 DEG. F
Location:		Well Flowing:	Y
Field:		Date Sampled:	10/24/2016
Formation:	MANCOS	Sampled By:	ROBERT KELLY
Cust. Stn. No.:	62426323	Foreman/Engr.:	DILLAIN GAGE

Remarks:

### Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	21.973	2.4250	0.00	0.2125
CO2	0.286	0.0490	0.00	0.0043
Methane	54.411	9.2540	549.55	0.3014
Ethane	8.922	2.3940	157.89	0.0926
Propane	9.079	2.5090	228.44	0.1382
Iso-Butane	1.065	0.3500	34.63	0.0214
N-Butane	2.742	0.8670	89.45	0.0550
I-Pentane	0.525	0.1930	21.00	0.0131
N-Pentane	0.492	0.1790	19.72	0.0123
Hexane Plus	0.505	0.2260	26.62	0.0167
<b>Total</b>	<b>100.000</b>	<b>18.4460</b>	<b>1127.31</b>	<b>0.8676</b>

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z): 1.0035  
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1133.9  
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1114.2  
 REAL SPECIFIC GRAVITY: 0.8703

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

DRY BTU @ 14.650: 1127.7  
 DRY BTU @ 14.696: 1131.3  
 DRY BTU @ 14.730: 1133.9  
 DRY BTU @ 15.025: 1156.6

CYLINDER #: CHACO #17  
 CYLINDER PRESSURE: 108 PSIG  
 DATE RUN: 10/25/16 9:01 AM  
 ANALYSIS RUN BY: Shyann Elledge



WPX ENERGY PRODUCTION, LLC  
WELL ANALYSIS COMPARISON

Lease: KWU #771H  
 Stn. No.: 62426323  
 Mtr. No.:

METER RUN  
 MANCOS

10/25/2016  
 85500-12675

Smpl Date:	10/24/2016	10/19/2016	10/18/2016	10/17/2016	10/16/2016	10/13/2016	10/11/2016
Test Date:	10/25/2016	10/20/2016	10/19/2016	10/18/2016	10/17/2016	10/14/2016	10/13/2016
Run No:	WP160445	WP160442	WP160441	WP160438	WP160437	WP160436	WP160435
Nitrogen:	21.973	23.263	22.896	22.941	23.608	23.215	26.639
CO2:	0.286	0.285	0.282	0.282	0.291	0.282	0.265
Methane:	54.411	54.107	54.141	53.622	52.771	51.994	50.671
Ethane:	8.922	8.963	8.918	8.982	9.127	9.340	8.673
Propane:	9.079	8.718	8.823	8.992	9.068	9.525	8.698
I-Butane:	1.065	0.976	1.006	1.034	1.032	1.103	0.999
N-Butane:	2.742	2.484	2.575	2.664	2.657	2.860	2.579
I-Pentane:	0.525	0.449	0.485	0.514	0.495	0.563	0.502
N-Pentane:	0.492	0.416	0.452	0.482	0.471	0.536	0.474
Hexane+:	0.505	0.338	0.422	0.487	0.480	0.582	0.500
BTU:	1133.9	1095.8	1109.5	1119.3	1113.2	1140.7	1072.2
GPM:	18.4460	18.2030	18.2870	18.3590	18.3310	18.5230	18.0560
SPG:	0.8703	0.8595	0.8643	0.8711	0.8745	0.8878	0.8800
	10/10/2016	10/09/2016	10/04/2016	10/03/2016	09/30/2016	10/01/2016	10/02/2016
	10/11/2016	10/10/2016	10/05/2016	10/05/2016	10/04/2016	10/04/2016	10/03/2016
	WP160431	WP160429	WP160422	WP160421	WP160418	WP160417	WP160409
	18.016	28.944	26.724	22.247	19.718	19.560	28.244
	0.262	0.207	0.421	0.280	0.306	0.296	0.264
	53.787	52.010	53.070	50.230	47.574	48.108	51.648
	11.130	7.366	7.351	9.675	11.236	11.154	7.398
	10.652	7.032	6.934	10.427	12.715	12.367	7.057
	1.174	0.822	0.841	1.237	1.562	1.527	0.860
	3.000	2.170	2.309	3.286	4.144	4.119	2.385
	0.574	0.444	0.554	0.680	0.843	0.866	0.562
	0.549	0.429	0.581	0.683	0.821	0.840	0.582
	0.856	0.576	1.215	1.255	1.080	1.162	1.000
	1242.4	1000.6	1058.6	1217.0	1318.2	1317.4	1040.0
	19.2530	17.5190	17.8960	19.0430	19.7920	19.7790	17.7770
	0.8974	0.8577	0.8749	0.9266	0.9651	0.9628	0.8766



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10/25/2016  
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09/28/2016	09/22/2016	09/21/2016	09/27/2016	09/26/2016	09/09/2016	09/06/2016
09/30/2016	09/30/2016	09/30/2016	09/28/2016	09/27/2016	09/12/2016	09/07/2016
WP160406	WP160405	WP160404	WP160394	WP160388	WP160335	WP160320
26.132	68.820	17.179	30.000	32.322	29.045	39.417
0.257	0.112	0.283	0.243	0.241	0.264	0.215
47.139	19.702	46.124	49.826	48.030	44.901	43.250
8.919	3.499	12.169	7.234	6.994	9.370	6.511
9.929	4.287	14.490	7.140	6.941	9.903	6.221
1.266	0.602	1.780	0.887	0.883	1.181	0.742
3.490	1.722	4.836	2.441	2.479	3.116	2.001
0.776	0.413	0.967	0.577	0.586	0.648	0.454
0.781	0.406	0.942	0.592	0.602	0.635	0.464
1.312	0.437	1.230	1.060	0.922	0.937	0.725
1177.7	502.2	1413.7	1027.6	994.6	1116.0	877.2
18.7670	14.2960	20.4640	17.7000	17.4850	18.4040	16.7290
0.9426	0.9605	0.9990	0.8870	0.8905	0.9340	0.8902
09/03/2016	09/05/2016	09/01/2016	08/31/2016	08/28/2016	08/27/2016	08/22/2016
09/06/2016	09/06/2016	09/02/2016	09/01/2016	08/29/2016	08/29/2016	08/25/2016
WP160318	WP160317	WP160306	WP160293	WP160275	WP160274	WP160261
41.072	35.363	36.041	38.669	43.037	44.025	50.763
0.215	0.253	0.244	0.236	0.234	0.234	0.205
41.610	41.039	41.804	40.603	39.376	38.331	33.989
6.314	7.247	7.932	7.495	6.519	6.193	5.386
6.141	7.809	8.384	7.823	6.521	6.274	5.507
0.749	0.978	1.020	0.937	0.780	0.774	0.682
2.064	2.757	2.732	2.501	2.060	2.133	1.888
0.469	0.743	0.585	0.535	0.445	0.515	0.441
0.492	0.776	0.574	0.529	0.440	0.531	0.449
0.873	3.034	0.683	0.672	0.589	0.991	0.690
866.9	1088.4	983.5	934.4	840.1	847.5	736.1
16.6630	18.1410	17.4960	17.1620	16.5150	16.5520	15.8180
0.9012	0.9839	0.9230	0.9194	0.9052	0.9206	0.9202



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10/25/2016  
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08/20/2016	08/23/2016	08/21/2016	08/18/2016	08/19/2016	08/16/2016	08/11/2016
08/25/2016	08/24/2016	08/22/2016	08/22/2016	08/22/2016	08/18/2016	08/12/2016
WP160260	WP160253	WP160234	WP160232	WP160233	WP160224	WP160211
52.276	42.756	50.233	51.480	51.833	54.246	73.355
0.203	0.261	0.213	0.229	0.202	0.205	0.168
32.602	35.490	33.534	31.083	32.425	29.582	17.168
5.453	7.738	5.760	5.862	5.552	5.298	2.815
5.640	8.365	5.978	6.475	5.888	5.981	3.295
0.683	0.993	0.725	0.821	0.726	0.773	0.459
1.855	2.678	1.990	2.244	1.994	2.166	1.378
0.397	0.553	0.448	0.504	0.438	0.501	0.359
0.387	0.533	0.452	0.506	0.435	0.503	0.375
0.504	0.632	0.667	0.796	0.507	0.745	0.628
711.4	907.0	754.1	766.4	727.4	721.5	430.0
15.6700	17.0300	15.9550	16.0550	15.7780	15.7450	13.8150
0.9203	0.9457	0.9262	0.9477	0.9259	0.9480	0.9632