



API# 067-05508
 Location ID 325168
 Document 2496088

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

Analysis No: WP170212
 Cust No: 85500-13290

Well/Lease Information

Customer Name:	WPX ENERGY PRODUCTION, LLC	Source:	BRADENHEAD
Well Name:	IGNACIO 33-8 #2 (BHD)	Well Flowing:	Y
County/State:	LA PLATA CO	Pressure:	37 PSIG
Location:		Flow Temp:	DEG. F
Field:		Ambient Temp:	DEG. F
Formation:	MV	Flow Rate:	MCF/D
Cust. Stn. No.:		Sample Method:	Purge & Fill
		Date Sampled:	11/09/2017
		Sample Time:	4.00 PM
		Sampled By:	DARREN R.
		Sampled by (CO):	

Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	9.3765	0.7833	1.0340	0.00	0.0907
CO2	0.2657	0.0222	0.0450	0.00	0.0040
Methane	78.8865	6.5901	13.4050	796.75	0.4370
Ethane	7.6443	0.6386	2.0490	135.28	0.0794
Propane	1.9943	0.1666	0.5510	50.18	0.0304
Iso-Butane	0.4453	0.0372	0.1460	14.48	0.0089
N-Butane	0.4525	0.0378	0.1430	14.76	0.0091
Neopentane 2,2 dmc3	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.2849	0.0238	0.1040	11.40	0.0071
N-Pentane	0.1484	0.0124	0.0540	5.95	0.0037
Neohexane	0.0158	N/R	0.0070	0.75	0.0005
2-3-Dimethylbutane	0.0112	N/R	0.0050	0.53	0.0003
Cyclopentane	0.0117	N/R	0.0030	0.44	0.0003
2-Methylpentane	0.0755	N/R	0.0310	3.58	0.0022
3-Methylpentane	0.0269	N/R	0.0110	1.28	0.0008
C6	0.0551	0.0419	0.0230	2.62	0.0016
Methylcyclopentane	0.0549	N/R	0.0190	2.47	0.0016
Benzene	0.0070	N/R	0.0020	0.26	0.0002
Cyclohexane	0.0240	N/R	0.0080	1.08	0.0007
2-Methylhexane	0.0108	N/R	0.0050	0.59	0.0004
3-Methylhexane	0.0100	N/R	0.0050	0.55	0.0003
2-2-4-Trimethylpentane	0.0038	N/R	0.0020	0.24	0.0001
i-heptanes	0.0063	N/R	0.0030	0.33	0.0002
Heptane	0.0314	N/R	0.0150	1.73	0.0011

Methylcyclohexane	0.0642	N/R	0.0260	3.35	0.0022
Toluene	0.0203	N/R	0.0070	0.91	0.0006
2-Methylheptane	0.0093	N/R	0.0050	0.58	0.0004
4-Methylheptane	0.0038	N/R	0.0020	0.24	0.0001
i-Octanes	0.0052	N/R	0.0020	0.31	0.0002
Octane	0.0153	N/R	0.0080	0.96	0.0006
Ethylbenzene	0.0018	N/R	0.0010	0.09	0.0001
m, p Xylene	0.0098	N/R	0.0040	0.51	0.0004
o Xylene (& 2,2,4 tmc7)	0.0024	N/R	0.0010	0.13	0.0001
i-C9	0.0084	N/R	0.0040	0.56	0.0004
C9	0.0042	N/R	0.0020	0.29	0.0002
i-C10	0.0057	N/R	0.0030	0.40	0.0003
C10	0.0061	N/R	0.0040	0.47	0.0003
i-C11	0.0002	N/R	0.0000	0.01	0.0000
C11	0.0000	N/R	0.0000	0.00	0.0000
C12P	0.0004	N/R	0.0000	0.03	0.0000
Total	100.00	8.354	17.739	1054.08	0.6865

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0026	CYLINDER #:	6162
BTU/CU.FT IDEAL:	1056.5	CYLINDER PRESSURE:	28 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1059.3	DATE RUN:	11/13/17 12:00 AM
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1040.9	ANALYSIS RUN BY:	SEAN CASAUS
DRY BTU @ 15.025:	1080.5		
REAL SPECIFIC GRAVITY:	0.688		

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

GPA Standard: GPA 2286-14

GC: SRI Instruments 8610 Last Cal/Verify: 11/13/2017

GC Method: C12+BTEX Gas



WPX ENERGY PRODUCTION, LLC
WELL ANALYSIS COMPARISON

Lease: IGNACIO 33-8 #2 (BHD)

BRADENHEAD

11/14/2017

Stn. No.:

MV

85500-13290

Mtr. No.:

Smpl Date:	11/09/2017
Test Date:	11/13/2017
Run No:	WP170212
Nitrogen:	9.3765
CO2:	0.2657
Methane:	78.8865
Ethane:	7.6443
Propane:	1.9943
I-Butane:	0.4453
N-Butane:	0.4525
2,2 dmc3:	0.0000
I-Pentane:	0.2849
N-Pentane:	0.1484
Neohexane:	0.0158
2-3-	0.0112
Cyclopentane:	0.0117
2-Methylpentane:	0.0755
3-Methylpentane:	0.0269
C6:	0.0551
Methylcyclopentane:	0.0549
Benzene:	0.0070
Cyclohexane:	0.0240
2-Methylhexane:	0.0108
3-Methylhexane:	0.0002
2-2-4-	0.0038
i-heptanes:	0.0063
Heptane:	0.0314
Methylcyclohexane:	0.0642
Toluene:	0.0203
2-Methylheptane:	0.0093
4-Methylheptane:	0.0038
i-Octanes:	0.0052
Octane:	0.0153
Ethylbenzene:	0.0018
m, p Xylene:	0.0098
o Xylene (& 2,2,4	0.0024
i-C9:	0.0084
C9:	0.0042
i-C10:	0.0057
C10:	0.0061
i-C11:	0.0002
C11:	0.0000
C12P:	0.0004
BTU:	1059.3
GPM:	17.7550
SPG:	0.6880

