



API# 067-05508
 Location ID 325168
 Document 2496087

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

Analysis No: WP170213
 Cust No: 85500-13295

Well/Lease Information

Customer Name:	WPX ENERGY PRODUCTION, LLC	Source:	INTERMEDIATE
Well Name:	IGNACIO 33-8 #2; INTRM	Well Flowing:	Y
County/State:	LA PLATA CO	Pressure:	175 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:	4.47 PM
		Sampled By:	DARREN R.
		Sampled by (CO):	

Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1130	0.1094	0.0120	0.00	0.0011
CO2	0.0019	0.0018	0.0000	0.00	0.0000
Methane	88.8511	86.0031	15.0980	897.40	0.4921
Ethane	8.4013	8.1320	2.2520	148.68	0.0872
Propane	1.7284	1.6730	0.4770	43.49	0.0263
Iso-Butane	0.3782	0.3661	0.1240	12.30	0.0076
N-Butane	0.2154	0.2085	0.0680	7.03	0.0043
Neopentane 2,2 dmc3	0.0061	0.0059	0.0020	0.24	0.0002
I-Pentane	0.1262	0.1222	0.0460	5.05	0.0031
N-Pentane	0.0489	0.0473	0.0180	1.96	0.0012
Neohexane	0.0102	N/R	0.0040	0.48	0.0003
2-3-Dimethylbutane	0.0032	N/R	0.0010	0.15	0.0001
Cyclopentane	0.0033	N/R	0.0010	0.12	0.0001
2-Methylpentane	0.0216	N/R	0.0090	1.03	0.0006
3-Methylpentane	0.0079	N/R	0.0030	0.38	0.0002
C6	0.0178	0.1253	0.0070	0.85	0.0005
Methylcyclopentane	0.0132	N/R	0.0050	0.59	0.0004
Benzene	0.0038	N/R	0.0010	0.14	0.0001
Cyclohexane	0.0035	N/R	0.0010	0.16	0.0001
2-Methylhexane	0.0038	N/R	0.0020	0.21	0.0001
3-Methylhexane	0.0015	N/R	0.0010	0.08	0.0001
2-2-4-Trimethylpentane	0.0009	N/R	0.0000	0.06	0.0000
i-heptanes	0.0023	N/R	0.0010	0.12	0.0001
Heptane	0.0057	N/R	0.0030	0.31	0.0002

Methylcyclohexane	0.0095	N/R	0.0040	0.50	0.0003
Toluene	0.0077	N/R	0.0030	0.34	0.0002
2-Methylheptane	0.0017	N/R	0.0010	0.11	0.0001
4-Methylheptane	0.0013	N/R	0.0010	0.08	0.0001
i-Octanes	0.0002	N/R	0.0000	0.01	0.0000
Octane	0.0028	N/R	0.0010	0.17	0.0001
Ethylbenzene	0.0002	N/R	0.0000	0.01	0.0000
m, p Xylene	0.0034	N/R	0.0010	0.18	0.0001
o Xylene (& 2,2,4 tmc7)	0.0003	N/R	0.0000	0.02	0.0000
i-C9	0.0010	N/R	0.0010	0.07	0.0000
C9	0.0012	N/R	0.0010	0.08	0.0001
i-C10	0.0004	N/R	0.0000	0.03	0.0000
C10	0.0009	N/R	0.0010	0.07	0.0000
i-C11	0.0000	N/R	0.0000	0.00	0.0000
C11	0.0001	N/R	0.0000	0.01	0.0000
C12P	0.0000	N/R	0.0000	0.00	0.0000
Total	100.00	96.795	18.150	1122.49	0.6273

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0026	CYLINDER #:	4002
BTU/CU.FT IDEAL:	1125.1	CYLINDER PRESSURE:	181 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1128.0	DATE RUN:	11/13/17 12:00 AM
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1108.4	ANALYSIS RUN BY:	SEAN CASAUS
DRY BTU @ 15.025:	1150.6		
REAL SPECIFIC GRAVITY:	0.6287		

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; INTRM
Stn. No.:
Mtr. No.:

INTERMEDIATE
MV

11/14/2017
85500-13295

Smpl Date:	11/09/2017
Test Date:	11/13/2017
Run No:	WP170213
Nitrogen:	0.1130
CO2:	0.0019
Methane:	88.8511
Ethane:	8.4013
Propane:	1.7284
I-Butane:	0.3782
N-Butane:	0.2154
2,2 dmc3:	0.0061
I-Pentane:	0.1262
N-Pentane:	0.0489
Neohexane:	0.0102
2-3-	0.0032
Cyclopentane:	0.0033
2-Methylpentane:	0.0216
3-Methylpentane:	0.0079
C6:	0.0178
Methylcyclopentane:	0.0132
Benzene:	0.0038
Cyclohexane:	0.0035
2-Methylhexane:	0.0038
3-Methylhexane:	0.0000
2-2-4-	0.0009
i-heptanes:	0.0023
Heptane:	0.0057
Methylcyclohexane:	0.0095
Toluene:	0.0077
2-Methylheptane:	0.0017
4-Methylheptane:	0.0013
i-Octanes:	0.0002
Octane:	0.0028
Ethylbenzene:	0.0002
m, p Xylene:	0.0034
o Xylene (& 2,2,4	0.0003
i-C9:	0.0010
C9:	0.0012
i-C10:	0.0004
C10:	0.0009
i-C11:	0.0000
C11:	0.0001
C12P:	0.0000
BTU:	1128.0
GPM:	18.1530
SPG:	0.6287

