



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

30-045-11487

Analysis No: WP170169
Cust No: 85500-13155

Well/Lease Information

Customer Name: WPX ENERGY PRODUCTION, LLC
Well Name: MADDOX 001; INTRM
County/State: SAN JUAN NM
Location:
Field:
Formation: MV
Cust. Str. No.:

Source: INTERMEDIATE
Well Flowing:
Pressure: PSIG
Flow Temp: DEG. F
Ambient Temp: DEG. F
Flow Rate: MCF/D
Sample Method:
Date Sampled: 08/31/2017
Sample Time: 1.20 PM
Sampled By: RICK CONAWAY
Sampled by (CO): WPX

Remarks: SAMPLE RAN 9/1/2017

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2094	0.0230	0.00	0.0020
CO2	0.8692	0.1490	0.00	0.0132
Methane	81.4577	13.8520	822.72	0.4512
Ethane	10.8286	2.9050	191.63	0.1124
Propane	4.2486	1.1740	106.90	0.0647
Iso-Butane	0.6341	0.2080	20.62	0.0127
N-Butane	0.9626	0.3040	31.40	0.0193
I-Pentane	0.2756	0.1010	11.03	0.0069
N-Pentane	0.1847	0.0670	7.40	0.0046
Hexane Plus	0.3295	0.1470	17.37	0.0109
Total	100.0000	18.9300	1209.08	0.6979

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
BTU/CU.FT IDEAL: 1211.9
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1215.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1194.7
DRY BTU @ 15.025: 1240.3
REAL SPECIFIC GRAVITY: 0.7

CYLINDER #: 1
CYLINDER PRESSURE: 51 PSIG
DATE RUN: 8/31/17 1:20 PM
ANALYSIS RUN BY: RICHARD WILSON

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

GPA Standard: GPA-2261

GC: Danalyzer Model 500

GC Method: C6+ Gas

Last Cal/Verify: 09/05/2017

OIL CONS. DIV DIST. 3

SEP 06 2017

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WPX ENERGY PRODUCTION, LLC
WELL ANALYSIS COMPARISON

Lease: MADDUX 001; INTRM
Stn. No.:
Mtr. No.:

INTERMEDIATE
MV

09/05/2017
85500-13155

Smpl Date: 08/31/2017
Test Date: 08/31/2017
Run No: WP170169
Nitrogen: 0.2094
CO2: 0.8692
Methane: 81.4577
Ethane: 10.8286
Propane: 4.2486
I-Butane: 0.6341
N-Butane: 0.9626
I-Pentane: 0.2756
N-Pentane: 0.1847
Hexane+: 0.3295
BTU: 1215.9
GPM: 18.9300
SPG: 0.7000



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

Analysis No: WP170168
Cust No: 85500-13150

Well/Lease Information

Customer Name: WPX ENERGY PRODUCTION, LLC
Well Name: MADDOX 001; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation: MV
Cust. Stn. No.:

Source: CASING
Well Flowing: Y
Pressure: PSIG
Flow Temp: DEG. F
Ambient Temp: DEG. F
Flow Rate: MCF/D
Sample Method:
Date Sampled: 08/31/2017
Sample Time: 1.15 PM
Sampled By: RICK CONAWAY
Sampled by (CO): WPX

Remarks: SAMPLE RAN 9/1/2017

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2377	0.0260	0.00	0.0023
CO2	4.8199	0.8260	0.00	0.0732
Methane	78.3916	13.3380	791.76	0.4342
Ethane	7.8044	2.0950	138.11	0.0810
Propane	3.7135	1.0270	93.44	0.0565
Iso-Butane	1.0479	0.3440	34.08	0.0210
N-Butane	1.3788	0.4360	44.98	0.0277
I-Pentane	0.7910	0.2900	31.65	0.0197
N-Pentane	0.5396	0.1960	21.63	0.0134
Hexane Plus	1.2756	0.5710	67.24	0.0422
Total	100.0000	19.1490	1222.88	0.7714

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0039
BTU/CU.FT IDEAL: 1225.7
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1230.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1209.1
DRY BTU @ 15.025: 1255.1
REAL SPECIFIC GRAVITY: 0.7741

CYLINDER #: 5
CYLINDER PRESSURE: 90 PSIG
DATE RUN: 8/31/17 12:00 AM
ANALYSIS RUN BY: RICHARD WILSON

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

GPA Standard: GPA-2261

GC: Danalyzer Model 500

Last Cal/Verify: 09/05/2017

GC Method: C6+ Gas



WPX ENERGY PRODUCTION, LLC
WELL ANALYSIS COMPARISON

Lease: MADDUX 001; CSG
Stn. No.:
Mtr. No.:

CASING
MV

09/05/2017
85500-13150

Smpl Date: 08/31/2017
Test Date: 08/31/2017
Run No: WP170168

Nitrogen: 0.2377
CO2: 4.8199
Methane: 78.3916
Ethane: 7.8044
Propane: 3.7135
I-Butane: 1.0479
N-Butane: 1.3788
I-Pentane: 0.7910
N-Pentane: 0.5396
Hexane+: 1.2756

BTU: 1230.5
GPM: 19.1490
SPG: 0.7741