



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

Analysis No: WP170075
Cust No: 85500-12955

Well/Lease Information

Customer Name: WPX ENERGY PRODUCTION, LLC
Well Name: ROSA UNIT #16; BHD
County/State: RIO ARRIBA NM
Location:
Field:
Formation:
Cust. Str. No.: API: 3003907963

Source: BRADENHEAD
Pressure: 26 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 05/15/2017
Sampled By: CODY MEISNER
Foreman/Engr.: DARREN ROWLEY

Remarks: SAMPLE RAN ON 05/22/2017

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.091	0.0100	0.00	0.0009
CO2	1.630	0.2790	0.00	0.0248
Methane	92.755	15.7590	936.83	0.5138
Ethane	4.397	1.1780	77.81	0.0456
Propane	0.747	0.2060	18.79	0.0114
Iso-Butane	0.109	0.0360	3.54	0.0022
N-Butane	0.099	0.0310	3.23	0.0020
I-Pentane	0.035	0.0130	1.40	0.0009
N-Pentane	0.020	0.0070	0.80	0.0005
Hexane Plus	0.117	0.0520	6.17	0.0039
Total	100.000	17.5710	1048.58	0.6059

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0024
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1053.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1035.1
REAL SPECIFIC GRAVITY: 0.607

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

DRY BTU @ 14.650: 1047.7
DRY BTU @ 14.696: 1051.0
DRY BTU @ 14.730: 1053.4
DRY BTU @ 15.025: 1074.5

CYLINDER #: A004
CYLINDER PRESSURE: 51 PSIG
DATE RUN: 5/15/17 7:25 AM
ANALYSIS RUN BY: ALEX VALDEZ

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WPX ENERGY PRODUCTION, LLC
WELL ANALYSIS COMPARISON

Lease: ROSA UNIT #16; BHD
Stn. No.:
Mtr. No.:

BRADENHEAD

05/23/2017
85500-12955

Smpl Date: 05/15/2017
Test Date: 05/15/2017
Run No: WP170075

Nitrogen: 0.091
CO2: 1.630
Methane: 92.755
Ethane: 4.397
Propane: 0.747
I-Butane: 0.109
N-Butane: 0.099
I-Pentane: 0.035
N-Pentane: 0.020
Hexane+: 0.117

BTU: 1053.4
GPM: 17.5710
SPG: 0.6070



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

Analysis No: WP170076
Cust No: 85500-12960

Well/Lease Information

Customer Name: WPX ENERGY PRODUCTION, LLC
Well Name: ROSA UNIT #16; MTR
County/State: RIO ARRIBA NM
Location:
Field:
Formation:
Cust. Stn. No.: 71741010

Source: METER RUN
Pressure: 65 PSIG
Sample Temp: 75 DEG. F
Well Flowing: Y
Date Sampled: 05/15/2017
Sampled By: CODY MEISNER
Foreman/Engr.: DARREN ROWLEY

API: 3003907958

Remarks: SAMPLE RAN ON 05/22/2017

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.208	0.0230	0.00	0.0020
CO2	1.773	0.3030	0.00	0.0269
Methane	94.498	16.0530	954.43	0.5234
Ethane	2.738	0.7340	48.45	0.0284
Propane	0.418	0.1150	10.52	0.0064
Iso-Butane	0.115	0.0380	3.74	0.0023
N-Butane	0.051	0.0160	1.66	0.0010
I-Pentane	0.031	0.0110	1.24	0.0008
N-Pentane	0.012	0.0040	0.48	0.0003
Hexane Plus	0.156	0.0700	8.22	0.0052
Total	100.000	17.3670	1028.75	0.5967

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0023
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1033.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1015.4
REAL SPECIFIC GRAVITY: 0.5978

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

DRY BTU @ 14.650: 1027.8
DRY BTU @ 14.696: 1031.0
DRY BTU @ 14.730: 1033.4
DRY BTU @ 15.025: 1054.1

CYLINDER #: 4233
CYLINDER PRESSURE: 55 PSIG
DATE RUN: 5/15/17 7:26 AM
ANALYSIS RUN BY: ALEX VALDEZ



WPX ENERGY PRODUCTION, LLC
WELL ANALYSIS COMPARISON

Lease: ROSA UNIT #16; MTR
Stn. No.: 71741010
Mtr. No.:

METER RUN

05/23/2017
85500-12960

Smpl Date: 05/15/2017
Test Date: 05/15/2017
Run No: WP170076

Nitrogen: 0.208
CO2: 1.773
Methane: 94.498
Ethane: 2.738
Propane: 0.418
I-Butane: 0.115
N-Butane: 0.051
I-Pentane: 0.031
N-Pentane: 0.012
Hexane+: 0.156

BTU: 1033.4
GPM: 17.3670
SPG: 0.5978