



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

Analysis No: WP170129
Cust No: 85500-13070

30-039 26962

Well/Lease Information

Customer Name: WPX ENERGY PRODUCTION, LLC
Well Name: ROSA UNIT 160 B; INT
County/State: RIO ARRIBA NM
Location:
Field:
Formation: MV/DK
Cust. Stn. No.:

Source: INTERMEDIATE
Well Flowing: Y
Pressure: 67 PSIG
Flow Temp: 95 DEG. F
Ambient Temp: DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Date Sampled: 07/18/2017
Sampled By: LARRY CORDOVA
Foreman/Engr.: KYLE BEEBE

Remarks: SAMPLE RAN 07/29/2017

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1097	0.0120	0.00	0.0011
CO2	1.9326	0.3300	0.00	0.0294
Methane	95.3808	16.2010	963.35	0.5283
Ethane	2.0475	0.5490	36.23	0.0213
Propane	0.2674	0.0740	6.73	0.0041
Iso-Butane	0.0519	0.0170	1.69	0.0010
N-Butane	0.0310	0.0100	1.01	0.0006
I-Pentane	0.0135	0.0050	0.54	0.0003
N-Pentane	0.0058	0.0020	0.23	0.0001
Hexane Plus	0.1598	0.0710	8.42	0.0053
Total	100.0000	17.2710	1018.20	0.5915

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0022
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1022.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1005.0
REAL SPECIFIC GRAVITY: 0.5926

CYLINDER #: 0000
CYLINDER PRESSURE: 37 PSIG
DATE RUN: 7/18/17 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: 08/07/2017

GC Method: C6+ Gas

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WPX ENERGY PRODUCTION, LLC
WELL ANALYSIS COMPARISON

Lease: ROSA UNIT 160 B; INT
Stn. No.:
Mtr. No.:

INTERMEDIATE
MV/DK

08/07/2017
85500-13070

Smpl Date: 07/18/2017
Test Date: 07/18/2017
Run No: WP170129
Nitrogen: 0.1097
CO2: 1.9326
Methane: 95.3808
Ethane: 2.0475
Propane: 0.2674
I-Butane: 0.0519
N-Butane: 0.0310
I-Pentane: 0.0135
N-Pentane: 0.0058
Hexane+: 0.1598
BTU: 1022.8
GPM: 17.2710
SPG: 0.5926



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Farmington, NM 87401
(505) 325-6622

Analysis No: WP170129
Cust No: 85500-13070

Well/Lease Information

Customer Name: WPX ENERGY PRODUCTION, LLC
Well Name: ROSA UNIT 160 B; MTR
County/State: RIO ARRIBA NM
Location:
Field:
Formation: MV/DK
Cust. Stn. No.:

Source: METER RUN
Well Flowing: Y
Pressure: 67 PSIG
Flow Temp: 95 DEG. F
Ambient Temp: DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Date Sampled: 07/18/2017
Sampled By: LARRY CORDOVA
Foreman/Engr.: KYLE BEEBE

Remarks: SAMPLE RAN 07/29/2017

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1097	0.0120	0.00	0.0011
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Total	100.0000	17.2710	1018.20	0.5915

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0022	CYLINDER #:	0000
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1022.8	CYLINDER PRESSURE:	37 PSIG
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1005.0	DATE RUN:	7/18/17 12:00 AM
REAL SPECIFIC GRAVITY:	0.5926	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: 08/14/2017

GC Method: C6+ Gas



WPX ENERGY PRODUCTION, LLC
WELL ANALYSIS COMPARISON

Lease: ROSA UNIT 160 B; MTR
Stn. No.:
Mtr. No.:

METER RUN
MV/DK

08/14/2017
85500-13070

Smpl Date: 07/18/2017
Test Date: 07/18/2017
Run No: WP170129

Nitrogen: 0.1097
CO2: 1.9326
Methane: 95.3808
Ethane: 2.0475
Propane: 0.2674
I-Butane: 0.0519
N-Butane: 0.0310
I-Pentane: 0.0135
N-Pentane: 0.0058
Hexane+: 0.1598

BTU: 1022.8
GPM: 17.2710
SPG: 0.5926



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
(505) 334-6178 FAX: (505) 334-6170
<http://emrnr.state.nm.us/ocd/District/III3district.htm>

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 6-2-17 Operator WPX Energy API #30-0 3926962

Property Name Rosa Unit Well No. 160B Location: Unit L Section 25 Township 31N Range 06W

Well Status(Shut-In or Producing) Initial PSI: Tubing 136 Intermediate 50 Casing 140 Bradenhead 0

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing TIME	PRESSURE			INTERM	
	Bradenhead				
	BH	Int	Csg	Int	Csg
5 min	0	50	140	6	140
10 min	0	50	140	0	140
15 min	0	50	140	0	140
20 min					
25 min					
30 min					

FLOW CHARACTERISTICS	
BRADENHEAD	INTERMEDIATE
Steady Flow	
Surges	
Down to Nothing	30 Sec
Nothing ☒	
Gas	
Gas & Water	
Water	

If bradenhead flowed water, check all of the descriptions that apply below:

CLEAR _____ FRESH _____ SALTY _____ SULFUR _____ BLACK _____

5 MINUTE SHUT-IN PRESSURE BRADENHEAD 0 INTERMEDIATE 0

REMARKS:

Interm Down to Nothing in 30 Sec

By LARRY GORDON

Witness _____

lease operator

(Position)

E-mail address _____

OIL CONS. DIV DIST. 3

AUG 15 2017