



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

Analysis No: CP140252
Cust No: 18300-24850

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: EPNG A #1
County/State: SAN JUAN
Location: O21-32N-06W
Field:
Formation: MESA VERDE
Cust. Stn. No.: 85074-01
AM02349464NO

Source: BRADENHEAD
Pressure: .3 PSIG
Sample Temp: 44 DEG. F
Well Flowing: Y
Date Sampled: 03/24/2014
Sampled By: GARY PAYMAR
Foreman/Engr.: CONRAD PULS

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks: PRESSURED WITH HELIUM TO 30 LBS.

30-045-20936

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	8.094	0.8920	0.00	0.0783
CO2	0.216	0.0370	0.00	0.0033
Methane	88.063	14.9550	889.44	0.4878
Ethane	2.941	0.7880	52.05	0.0305
Propane	0.300	0.0830	7.55	0.0046
Iso-Butane	0.038	0.0120	1.24	0.0008
N-Butane	0.025	0.0080	0.82	0.0005
I-Pentane	0.008	0.0030	0.32	0.0002
N-Pentane	0.000	0.0000	0.00	0.0000
Hexane Plus	0.315	0.1410	16.60	0.0104
Total	100.000	16.9190	968.01	0.6163

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.002
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 972.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 955.3
REAL SPECIFIC GRAVITY: 0.6173

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

DRY BTU @ 14.650: 966.9
DRY BTU @ 14.696: 970.0
DRY BTU @ 14.730: 972.2
DRY BTU @ 15.025: 991.7

CYLINDER #: 4232
CYLINDER PRESSURE: PSIG
DATE RUN: 4/15/14 9:36 AM
ANALYSIS RUN BY: TIMBER EVERETT



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: EPNG A #1
Stn. No.: 85074-01
Mtr. No.: AM02349464NO

BRADENHEAD
MESA VERDE

04/16/2014
18300-24850

Smpl Date:	03/24/2014	06/25/2013
Test Date:	04/15/2014	06/26/2013
Run No:	CP140252	CP130590
Nitrogen:	8.094	31.617
CO2:	0.216	0.080
Methane:	88.063	66.440
Ethane:	2.941	1.673
Propane:	0.300	0.157
I-Butane:	0.038	0.022
N-Butane:	0.025	0.011
I-Pentane:	0.008	0.000
N-Pentane:	0.000	0.000
Hexane+:	0.315	0.000
BTU:	972.2	708.3
GPM:	16.9190	15.2730
SPG:	0.6173	0.6961



2030 Afton Place
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Analysis No: CP140254
Cust No: 18300-25825

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: EPNG A #1 PRO. TUBING
County/State: SAN JUAN
Location: O21-32N-06W
Field:
Formation: MV
Cust. Stn. No.: 85074-01
AM02349464NO

Source: PRO. TUBING
Pressure: 157 PSIG
Sample Temp: 47 DEG. F
Well Flowing: Y
Date Sampled: 03/24/2014
Sampled By: GARY PAYMAR
Foreman/Engr.: JOE COLLEY

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks:

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.067	0.0070	0.00	0.0006
CO2	2.239	0.3830	0.00	0.0340
Methane	95.751	16.2630	967.09	0.5304
Ethane	1.763	0.4720	31.20	0.0183
Propane	0.125	0.0350	3.15	0.0019
Iso-Butane	0.024	0.0080	0.78	0.0005
N-Butane	0.009	0.0030	0.29	0.0002
I-Pentane	0.005	0.0020	0.20	0.0001
N-Pentane	0.000	0.0000	0.00	0.0000
Hexane Plus	0.017	0.0080	0.90	0.0006
Total	100.000	17.1810	1003.60	0.5866

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0021
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1008.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 990.5
REAL SPECIFIC GRAVITY: 0.5876

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

DRY BTU @ 14.650: 1002.5
DRY BTU @ 14.696: 1005.7
DRY BTU @ 14.730: 1008.0
DRY BTU @ 15.025: 1028.2

CYLINDER #: 4059
CYLINDER PRESSURE: 153 PSIG
DATE RUN: 4/15/14 9:45 AM
ANALYSIS RUN BY: AMANDA ARMENTA



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: EPNG A #1 PRO. TUBING
Stn. No.: 85074-01
Mtr. No.: AM02349464NO

PRO. TUBING
MV

04/16/2014
18300-25825

Smpl Date: 03/24/2014
Test Date: 04/15/2014
Run No: CP140254
Nitrogen: 0.067
CO2: 2.239
Methane: 95.751
Ethane: 1.763
Propane: 0.125
I-Butane: 0.024
N-Butane: 0.009
I-Pentane: 0.005
N-Pentane: 0.000
Hexane+: 0.017
BTU: 1008.0
GPM: 17.1810
SPG: 0.5876



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

Analysis No: CP140253
Cust No: 18300-25000

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: EPNG A #1
County/State:
Location: O21-32N-06W
Field:
Formation: MESA VERDE
Cust. Stn. No.: 8507401
AM02349464NO

Source: INT. VALVE
Pressure: 160 PSIG
Sample Temp: 41 DEG. F
Well Flowing: Y
Date Sampled: 03/24/2014
Sampled By: GARY PAYMAR
Foreman/Engr.: CONRAD PULLS

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.077	0.0080	0.00	0.0007
CO2	2.385	0.4080	0.00	0.0362
Methane	95.413	16.2070	963.67	0.5285
Ethane	1.952	0.5230	34.54	0.0203
Propane	0.132	0.0360	3.32	0.0020
Iso-Butane	0.019	0.0060	0.62	0.0004
N-Butane	0.009	0.0030	0.29	0.0002
I-Pentane	0.004	0.0010	0.16	0.0001
N-Pentane	0.000	0.0000	0.00	0.0000
Hexane Plus	0.009	0.0040	0.47	0.0003
Total	100.000	17.1960	1003.08	0.5887

* @ 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): 1007.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 990.0
REAL SPECIFIC GRAVITY: 0.5897

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

DRY BTU @ 14.650: 1002.0
DRY BTU @ 14.696: 1005.2
DRY BTU @ 14.730: 1007.5
DRY BTU @ 15.025: 1027.7

CYLINDER #: 5019
CYLINDER PRESSURE: 159 PSIG
DATE RUN: 4/15/14 9:44 AM
ANALYSIS RUN BY: AMANDA ARMENTA



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: EPNG A #1
Stn. No.: 8507401
Mtr. No.: AM02349464NO

INT. VALVE
MESA VERDE

04/16/2014
18300-25000

Smpl Date:	03/24/2014	07/01/2013
Test Date:	04/15/2014	07/05/2013
Run No:	CP140253	CP130654
Nitrogen:	0.077	0.077
CO2:	2.385	2.428
Methane:	95.413	95.432
Ethane:	1.952	1.917
Propane:	0.132	0.115
I-Butane:	0.019	0.015
N-Butane:	0.009	0.006
I-Pentane:	0.004	0.002
N-Pentane:	0.000	0.000
Hexane+:	0.009	0.008
BTU:	1007.5	1006.3
GPM:	17.1960	17.1890
SPG:	0.5897	0.5896