



30.039-30116

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

Analysis No: CP140208
Cust No: 18300-25725

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: JICARILLA D-21;CSG
County/State: RIO ARRIBA NM
Location: N30-26N-03W
Field:
Formation: MESA VERDE
Cust. Stn. No.: AM02332895NO

Source: CASING
Pressure: 71 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 03/25/2014
Sampled By: TOM STAHL
Foreman/Engr.: BERKELY BROWN

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.426	0.2680	0.00	0.0235
CO2	0.745	0.1270	0.00	0.0113
Methane	86.935	14.7710	878.04	0.4815
Ethane	7.275	1.9500	128.75	0.0755
Propane	2.071	0.5720	52.11	0.0315
Iso-Butane	0.285	0.0930	9.27	0.0057
N-Butane	0.170	0.0540	5.55	0.0034
I-Pentane	0.020	0.0070	0.80	0.0005
N-Pentane	0.007	0.0030	0.28	0.0002
Hexane Plus	0.066	0.0290	3.48	0.0022
Total	100.000	17.8740	1078.27	0.6354

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0025
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1083.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1064.6
REAL SPECIFIC GRAVITY: 0.6367

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

DRY BTU @ 14.650: 1077.6
DRY BTU @ 14.696: 1081.0
DRY BTU @ 14.730: 1083.5
DRY BTU @ 15.025: 1105.2

CYLINDER #: 0080
CYLINDER PRESSURE: 62 PSIG
DATE RUN: 3/28/14 10:10 AM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: JICARILLA D-21;CSG
Str. No.: AM02332895NO
Mtr. No.:

CASING
MESA VERDE

03/28/2014
18300-25725

Smpl Date: 03/25/2014
Test Date: 03/28/2014
Run No: CP140208

Nitrogen: 2.426
CO2: 0.745
Methane: 86.935
Ethane: 7.275
Propane: 2.071
I-Butane: 0.285
N-Butane: 0.170
I-Pentane: 0.020
N-Pentane: 0.007
Hexane+: 0.066

BTU: 1083.5
GPM: 17.8740
SPG: 0.6367



2030 Afton Place
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Analysis No: CP140209
Cust No: 18300-25400

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: JICARILLA D21; INT.
County/State: RIO ARRIBA NM
Location: N30-26N-03W
Field:
Formation: BLANCO MV
Cust. Stn. No.: AM02332895NO

Source: INTERMEDIATE
Pressure: 152 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 03/25/2014
Sampled By: TOM STAHL
Foreman/Engr.: BERKELY BROWN

OIL CONS. DIV DIST. 3

Remarks:

MAY 14 2014

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.489	0.0540	0.00	0.0047
CO2	0.006	0.0010	0.00	0.0001
Methane	85.766	14.5810	866.24	0.4751
Ethane	6.999	1.8770	123.86	0.0727
Propane	3.970	1.0970	99.89	0.0604
Iso-Butane	0.752	0.2470	24.45	0.0151
N-Butane	0.980	0.3100	31.97	0.0197
I-Pentane	0.327	0.1200	13.08	0.0081
N-Pentane	0.220	0.0800	8.82	0.0055
Hexane Plus	0.491	0.2200	25.88	0.0162
Total	100.000	18.5870	1194.19	0.6776

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1200.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1179.8
REAL SPECIFIC GRAVITY: 0.6795

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

DRY BTU @ 14.650: 1194.2
DRY BTU @ 14.696: 1197.9
DRY BTU @ 14.730: 1200.7
DRY BTU @ 15.025: 1224.7

CYLINDER #: 049
CYLINDER PRESSURE: 152 PSIG
DATE RUN: 3/28/14 10:13 AM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: JICARILLA D21; INT.
Stn. No.: AM02332895NO
Mtr. No.:

INTERMEDIATE
BLANCO MV

03/28/2014
18300-25400

Smpl Date:	03/25/2014	02/21/2014
Test Date:	03/28/2014	03/17/2014
Run No:	CP140209	CP140126
Nitrogen:	0.489	0.504
CO2:	0.006	0.003
Methane:	85.766	85.660
Ethane:	6.999	7.091
Propane:	3.970	4.014
I-Butane:	0.752	0.764
N-Butane:	0.980	0.987
I-Pentane:	0.327	0.333
N-Pentane:	0.220	0.224
Hexane+:	0.491	0.420
BTU:	1200.7	1199.6
GPM:	18.5870	18.5850
SPG:	0.6795	0.6789



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