



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

Analysis No: CP140221
Cust No: 18300-25750

30-039-07211

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-6 #36 BHD
County/State: SAN JUAN
Location:
Field:
Formation: MESA VERDE
Cust. Stn. No.: AM02345976NO

Source:
Pressure: 0.2 PSIG
Sample Temp: 45 DEG. F
Well Flowing: Y
Date Sampled: 03/12/2014
Sampled By: F. GARCIA
Foreman/Engr.:

Remarks: PRESSURED WITH HELIUM TO 30 LBS

OIL CONS. DIV DIST. 3
MAY 14 2014

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	16.875	1.8630	0.00	0.1632
CO2	0.147	0.0250	0.00	0.0022
Methane	66.644	11.3370	673.11	0.3691
Ethane	5.585	1.4990	98.84	0.0580
Propane	4.300	1.1890	108.19	0.0655
Iso-Butane	0.798	0.2620	25.95	0.0160
N-Butane	1.449	0.4580	47.27	0.0291
I-Pentane	0.683	0.2510	27.33	0.0170
N-Pentane	0.645	0.2350	25.86	0.0161
Hexane Plus	2.874	1.2860	151.49	0.0951
Total	100.000	18.4050	1158.03	0.8313

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0037
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1164.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1144.6
REAL SPECIFIC GRAVITY: 0.834

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

DRY BTU @ 14.650: 1158.6
DRY BTU @ 14.696: 1162.2
DRY BTU @ 14.730: 1164.9
DRY BTU @ 15.025: 1188.2

CYLINDER #: 6219
CYLINDER PRESSURE: PSIG
DATE RUN: 3/28/14 9:42 AM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-6 #36 BHD
Stn. No.:
Mtr. No.: AM02345976NO

MESA VERDE

04/01/2014
18300-25750

Smpl Date: 03/12/2014
Test Date: 03/28/2014
Run No: CP140221
Nitrogen: 16.875
CO2: 0.147
Methane: 66.644
Ethane: 5.585
Propane: 4.300
I-Butane: 0.798
N-Butane: 1.449
I-Pentane: 0.683
N-Pentane: 0.645
Hexane+: 2.874
BTU: 1164.9
GPM: 18.4050
SPG: 0.8340



2030 Afton Place
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(505) 325-6622

Analysis No: CP140222
Cust No: 18300-25755

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-6 #36 CSG
County/State: SAN JUAN
Location:
Field:
Formation: MESA VERDE
Cust. Stn. No.: AM02345976NO

Source:
Pressure: 111 PSIG
Sample Temp: 45 DEG. F
Well Flowing: Y
Date Sampled: 03/12/2014
Sampled By: F. GARCIA
Foreman/Engr.:

OIL CONS. DIV DIST. 3
MAY 14 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.907	0.1000	0.00	0.0088
CO2	0.003	0.0010	0.00	0.0000
Methane	80.476	13.6910	812.81	0.4458
Ethane	7.550	2.0260	133.61	0.0784
Propane	5.784	1.5990	145.53	0.0881
Iso-Butane	1.113	0.3660	36.19	0.0223
N-Butane	1.965	0.6220	64.10	0.0394
I-Pentane	0.851	0.3120	34.05	0.0212
N-Pentane	0.693	0.2520	27.78	0.0173
Hexane Plus	0.658	0.2940	34.68	0.0218
Total	100.000	19.2630	1288.76	0.7430

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0038

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1296.7

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1274.1

REAL SPECIFIC GRAVITY: 0.7456

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

DRY BTU @ 14.650: 1289.7

DRY BTU @ 14.696: 1293.7

DRY BTU @ 14.730: 1296.7

DRY BTU @ 15.025: 1322.7

CYLINDER #: 4198

CYLINDER PRESSURE: 111 PSIG

DATE RUN: 3/28/14 9:44 AM

ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-6 #36 CSG
Stn. No.:
Mtr. No.: AM02345976NO

MESA VERDE

04/01/2014
18300-25755

Smpl Date: 03/12/2014
Test Date: 03/28/2014
Run No: CP140222
Nitrogen: 0.907
CO2: 0.003
Methane: 80.476
Ethane: 7.550
Propane: 5.784
I-Butane: 1.113
N-Butane: 1.965
I-Pentane: 0.851
N-Pentane: 0.693
Hexane+: 0.658
BTU: 1296.7
GPM: 19.2630
SPG: 0.7456



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

Analysis No: CP140223
Cust No: 18300-25760

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-6 #36 INTRM
County/State: SAN JUAN
Location:
Field:
Formation: MESA VERDE
Cust. Str. No.:
AM02345976NO

Source:
Pressure: 215 PSIG
Sample Temp: 45 DEG. F
Well Flowing: Y
Date Sampled: 03/12/2014
Sampled By: F. GARCIA
Foreman/Engr.:

Remarks:

OIL CONS. DIV DIST. 3
MAY 14 2014

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.937	0.1030	0.00	0.0091
CO2	0.014	0.0020	0.00	0.0002
Methane	82.392	14.0150	832.16	0.4564
Ethane	7.439	1.9960	131.65	0.0772
Propane	5.024	1.3890	126.41	0.0765
Iso-Butane	0.930	0.3050	30.24	0.0187
N-Butane	1.513	0.4790	49.36	0.0304
I-Pentane	0.424	0.1560	16.96	0.0106
N-Pentane	0.338	0.1230	13.55	0.0084
Hexane Plus	0.989	0.4430	52.13	0.0327
Total	100.000	19.0110	1252.46	0.7201

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0036
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1259.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1238.0
REAL SPECIFIC GRAVITY: 0.7224

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

DRY BTU @ 14.650: 1253.1
DRY BTU @ 14.696: 1257.0
DRY BTU @ 14.730: 1259.9
DRY BTU @ 15.025: 1285.1

CYLINDER #: 4215
CYLINDER PRESSURE: 61 PSIG
DATE RUN: 3/28/14 9:45 AM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-6 #36 INTRM
Stn. No.:
Mtr. No.: AM02345976NO

MESA VERDE

04/01/2014
18300-25760

Smpl Date: 03/12/2014
Test Date: 03/28/2014
Run No: CP140223

Nitrogen: 0.937
CO2: 0.014
Methane: 82.392
Ethane: 7.439
Propane: 5.024
I-Butane: 0.930
N-Butane: 1.513
I-Pentane: 0.424
N-Pentane: 0.338
Hexane+: 0.989

BTU: 1259.9
GPM: 19.0110
SPG: 0.7224