



30-045-10606

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP140407
Cust No: 18300-25975**Well/Lease Information**Customer Name: CONOCO PHILLIPS COMPANY
Well Name: CASE 7 BHD
County/State: SAN JUAN
Location: 19-31N-11W
Field:
Formation: MESA VERDE
Cust. Str. No.: 71398-01
AM02346147NOSource: BRADENHEAD
Pressure: PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 05/22/2014
Sampled By: JESSE RANGEL
Foreman/Engr.: MICHELLE WILCOX

OIL CONS. DIV DIST. 3

Remarks: NMSF-078095

JUL 23 2014

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.687	0.0760	0.00	0.0066
CO2	0.007	0.0010	0.00	0.0001
Methane	87.600	14.8900	884.76	0.4852
Ethane	5.922	1.5880	104.80	0.0615
Propane	3.328	0.9190	83.74	0.0507
Iso-Butane	0.808	0.2650	26.28	0.0162
N-Butane	0.900	0.2840	29.36	0.0181
I-Pentane	0.289	0.1060	11.56	0.0072
N-Pentane	0.181	0.0660	7.26	0.0045
Hexane Plus	0.278	0.1240	14.65	0.0092
Total	100.000	18.3190	1162.41	0.6593

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0029

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1168.5

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1148.2

REAL SPECIFIC GRAVITY: 0.661

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

DRY BTU @ 14.650: 1162.2

DRY BTU @ 14.696: 1165.8

DRY BTU @ 14.730: 1168.5

DRY BTU @ 15.025: 1191.9

CYLINDER #: 4240A

CYLINDER PRESSURE: 59 PSIG

DATE RUN: 5/30/14 11:02 AM

ANALYSIS RUN BY: TIMBER EVERETT



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

Analysis No: CP140408
Cust No: 18300-25980

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: CASE 7 CSG
County/State: SAN JUAN
Location: 19-31N-11W
Field:
Formation: MESA VERDE
Cust. Stn. No.: 71398-010
AM02346147NO

Source: CASING
Pressure: PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 05/22/2014
Sampled By: JESSE RANGEL
Foreman/Engr.: MICHELLE WILCOX

Remarks:

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.153	0.1270	0.00	0.0112
CO2	0.007	0.0010	0.00	0.0001
Methane	84.400	14.3490	852.44	0.4675
Ethane	8.150	2.1860	144.23	0.0846
Propane	3.946	1.0900	99.29	0.0601
Iso-Butane	0.498	0.1630	16.19	0.0100
N-Butane	0.963	0.3040	31.42	0.0193
I-Pentane	0.268	0.0980	10.72	0.0067
N-Pentane	0.212	0.0770	8.50	0.0053
Hexane Plus	0.403	0.1800	21.24	0.0133
Total	100.000	18.5750	1184.03	0.6781

* @ 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): 1190.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1169.8
REAL SPECIFIC GRAVITY: 0.6799

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

DRY BTU @ 14.650: 1184.0
DRY BTU @ 14.696: 1187.8
DRY BTU @ 14.730: 1190.5
DRY BTU @ 15.025: 1214.3

CYLINDER #: 6237
CYLINDER PRESSURE: 193 PSIG
DATE RUN: 5/30/14 11:05 AM
ANALYSIS RUN BY: TIMBER EVERETT



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: CASE 7 TBG
Stn. No.: 71398-01
Mtr. No.: AM02346147NO

TUBING
MESA VERDE

06/11/2014
18300-25985

Smpl Date: 05/22/2014
Test Date: 05/30/2014
Run No: CP140409

Nitrogen: 0.275
CO2: 0.861
Methane: 83.539
Ethane: 9.134
Propane: 3.628
I-Butane: 0.562
N-Butane: 0.975
I-Pentane: 0.310
N-Pentane: 0.210
Hexane+: 0.506

BTU: 1200.9
GPM: 18.7410
SPG: 0.6910