



30-045-11616

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

Analysis No: CP140118
Cust No: 18300-25365

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: ANGEL PEAK B 27 BHD
County/State: SAN JUAN
Location:
Field:
Formation:
Cust. Stn. No.: 71356
9243575

Source:
Pressure: 129 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 03/10/2014
Sampled By: JERAH TAYLOR
Foreman/Engr.:

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.712	0.0790	0.00	0.0069
CO2	0.452	0.0770	0.00	0.0069
Methane	84.995	14.4500	858.45	0.4708
Ethane	7.865	2.1090	139.19	0.0817
Propane	3.403	0.9400	85.62	0.0518
Iso-Butane	0.648	0.2130	21.07	0.0130
N-Butane	0.903	0.2850	29.46	0.0181
I-Pentane	0.339	0.1240	13.56	0.0084
N-Pentane	0.237	0.0860	9.50	0.0059
Hexane Plus	0.446	0.1990	23.51	0.0148
Total	100.000	18.5620	1180.36	0.6782

* @ 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): 1186.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1166.1
REAL SPECIFIC GRAVITY: 0.6801

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

DRY BTU @ 14.650: 1180.4
DRY BTU @ 14.696: 1184.1
DRY BTU @ 14.730: 1186.8
DRY BTU @ 15.025: 1210.6

CYLINDER #: 6125
CYLINDER PRESSURE: 133 PSIG
DATE RUN: 3/11/14 8:09 AM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: ANGEL PEAK B 27 BHD
Stn. No.: 71356
Mtr. No.: 9243575

03/11/2014
18300-25365

Smpl Date: 03/10/2014
Test Date: 03/11/2014
Run No: CP140118
Nitrogen: 0.712
CO2: 0.452
Methane: 84.995
Ethane: 7.865
Propane: 3.403
I-Butane: 0.648
N-Butane: 0.903
I-Pentane: 0.339
N-Pentane: 0.237
Hexane+: 0.446
BTU: 1186.8
GPM: 18.5620
SPG: 0.6801



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

Analysis No: CP140119
Cust No: 18300-25370

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: ANGEL PEAK B 27 CSG
County/State: SAN JUAN
Location:
Field:
Formation:
Cust. Stn. No.: 75361
9243575

Source:
Pressure: 130 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 03/10/2014
Sampled By: JERAH TAYLOR
Foreman/Engr.:

OIL CONS. DIV DIST. 3
MAY 14 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.533	0.0590	0.00	0.0052
CO2	0.791	0.1350	0.00	0.0120
Methane	81.616	13.8800	824.32	0.4521
Ethane	9.645	2.5880	170.69	0.1001
Propane	4.143	1.1450	104.24	0.0631
Iso-Butane	0.780	0.2560	25.37	0.0157
N-Butane	1.193	0.3770	38.92	0.0239
I-Pentane	0.468	0.1720	18.72	0.0117
N-Pentane	0.340	0.1240	13.63	0.0085
Hexane Plus	0.491	0.2200	25.88	0.0163
Total	100.000	18.9560	1221.77	0.7084

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0034
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1228.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1207.4
REAL SPECIFIC GRAVITY: 0.7106

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

DRY BTU @ 14.650: 1222.1
DRY BTU @ 14.696: 1226.0
DRY BTU @ 14.730: 1228.8
DRY BTU @ 15.025: 1253.4

CYLINDER #: 4197
CYLINDER PRESSURE: 126 PSIG
DATE RUN: 3/11/14 8:12 AM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: ANGEL PEAK B 27 CSG
Stn. No.: 75361
Mtr. No.: 9243575

03/11/2014
18300-25370

Smpl Date: 03/10/2014
Test Date: 03/11/2014
Run No: CP140119
Nitrogen: 0.533
CO2: 0.791
Methane: 81.616
Ethane: 9.645
Propane: 4.143
I-Butane: 0.780
N-Butane: 1.193
I-Pentane: 0.468
N-Pentane: 0.340
Hexane+: 0.491
BTU: 1228.8
GPM: 18.9560
SPG: 0.7106