



API #3004534424
2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: CP150457
Cust No: 18300-27180

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: ANGEL PEAK B27E DK BHD
County/State: SAN JUAN
Location:
Field:
Formation: DK
Cust. Stn. No.: N/A

Source: BRADENHEAD
Pressure: 14 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 07/23/2015
Sampled By: BRAD PARKER
Foreman/Engr.: MIKE MEGORDEN

OIL CONS. DIV DIST. 3

AUG 24 2015

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.475	0.0520	0.00	0.0046
CO2	0.045	0.0080	0.00	0.0007
Methane	88.713	15.0780	896.00	0.4914
Ethane	6.116	1.6400	108.23	0.0635
Propane	2.752	0.7600	69.24	0.0419
Iso-Butane	0.523	0.1720	17.01	0.0105
N-Butane	0.673	0.2130	21.96	0.0135
I-Pentane	0.228	0.0840	9.12	0.0057
N-Pentane	0.163	0.0590	6.53	0.0041
Hexane Plus	0.312	0.1390	16.45	0.0103
Total	100.000	18.2050	1144.54	0.6461

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0028
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1150.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1130.4
REAL SPECIFIC GRAVITY: 0.6477

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

DRY BTU @ 14.650: 1144.2
DRY BTU @ 14.696: 1147.7
DRY BTU @ 14.730: 1150.4
DRY BTU @ 15.025: 1173.4

CYLINDER #: 4061
CYLINDER PRESSURE: 12 PSIG
DATE RUN: 8/14/15 12:00 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: ANGEL PEAK B27E DK BHD
Stn. No.: N/A
Mtr. No.:

BRADENHEAD
DK

08/21/2015
18300-27180

Smpl Date: 07/23/2015
Test Date: 08/14/2015
Run No: CP150457
Nitrogen: 0.475
CO2: 0.045
Methane: 88.713
Ethane: 6.116
Propane: 2.752
I-Butane: 0.523
N-Butane: 0.673
I-Pentane: 0.228
N-Pentane: 0.163
Hexane+: 0.312
BTU: 1150.4
GPM: 18.2050
SPG: 0.6477



API #3004534424

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

Analysis No: CP150458

Cust No: 18300-27185

Well/Lease InformationCustomer Name: CONOCO PHILLIPS COMPANY
Well Name: ANGEL PEAK B27E DK CSG
County/State: SAN JUAN
Location:
Field:
Formation: DK
Cust. Stn. No.: N/ASource: CASING
Pressure: 57 PSIG
Sample Temp: DEG. F
Well Flowing:
Date Sampled: 07/23/2015
Sampled By: BRAD PARKER
Foreman/Engr.: MIKE MEGORDEN**OIL CONS. DIV DIST. 3****AUG 24 2015**

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.444	0.0490	0.00	0.0043
CO2	1.816	0.3110	0.00	0.0276
Methane	75.261	12.8140	760.14	0.4169
Ethane	10.579	2.8410	187.21	0.1098
Propane	5.282	1.4610	132.90	0.0804
Iso-Butane	0.951	0.3130	30.93	0.0191
N-Butane	1.908	0.6040	62.24	0.0383
I-Pentane	0.849	0.3120	33.97	0.0211
N-Pentane	0.775	0.2820	31.07	0.0193
Hexane Plus	2.135	0.9560	112.54	0.0707
Total	100.000	19.9430	1350.99	0.8075

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0046

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1360.4

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1336.7

REAL SPECIFIC GRAVITY: 0.8109

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

DRY BTU @ 14.650: 1353.0

CYLINDER #: 6124

DRY BTU @ 14.696: 1357.3

CYLINDER PRESSURE: 47 PSIG

DRY BTU @ 14.730: 1360.4

DATE RUN: 8/14/15 3:30 PM

DRY BTU @ 15.025: 1387.6

ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: ANGEL PEAK B27E DK CSG
Stn. No.: N/A
Mtr. No.:

CASING
DK

08/21/2015
18300-27185

Smpl Date: 07/23/2015
Test Date: 08/14/2015
Run No: CP150458

Nitrogen: 0.444
CO2: 1.816
Methane: 75.261
Ethane: 10.579
Propane: 5.282
I-Butane: 0.951
N-Butane: 1.908
I-Pentane: 0.849
N-Pentane: 0.775
Hexane+: 2.135

BTU: 1360.4
GPM: 19.9430
SPG: 0.8109