



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

Analysis No: CP120637
Cust No: 18300-23605

30-045 11777

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: RHODES TLB #1
County/State: SAN JUAN NM
Location: O20-28N-11W
Field:
Formation: DK/FRC/PC
Cust. Stn. No.: 75451-01
A723378SM

Source: BRADENHEAD
Pressure: 301 PSIG
Sample Temp: 87 DEG. F
Well Flowing: Y
Date Sampled: 07/25/2012
Sampled By: KIRK
Foreman/Engr.: D. LEBOUF

Remarks: LEASE #USA SF-080844

OIL CONS. DIV DIST. 3
MAY 14 2014

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.473	0.0520	0.00	0.0046
CO2	0.003	0.0010	0.00	0.0000
Methane	88.445	15.0320	893.29	0.4899
Ethane	6.550	1.7560	115.92	0.0680
Propane	2.716	0.7500	68.34	0.0414
Iso-Butane	0.512	0.1680	16.65	0.0103
N-Butane	0.651	0.2060	21.24	0.0131
I-Pentane	0.231	0.0850	9.24	0.0058
N-Pentane	0.160	0.0580	6.41	0.0040
Hexane Plus	0.259	0.1160	13.65	0.0086
Total	100.000	18.2240	1144.74	0.6455

* @ 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): 1150.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1130.6
REAL SPECIFIC GRAVITY: 0.6471

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

DRY BTU @ 14.650: 1144.4
DRY BTU @ 14.696: 1147.9
DRY BTU @ 14.730: 1150.6
DRY BTU @ 15.025: 1173.6

CYLINDER #: 4046
CYLINDER PRESSURE: 142 PSIG
DATE RUN: 7/31/12 10:27 AM
ANALYSIS RUN BY: BRANDY MEDFORD



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: RHODES TLB #1
Stn. No.: 75451-01
Mtr. No.: A723378SM

BRADENHEAD
DK/FRC/PC

03/04/2014
18300-23605

Smpl Date: 07/25/2012
Test Date: 07/31/2012
Run No: CP120637

Nitrogen: 0.473
CO2: 0.003
Methane: 88.445
Ethane: 6.550
Propane: 2.716
I-Butane: 0.512
N-Butane: 0.651
I-Pentane: 0.231
N-Pentane: 0.160
Hexane+: 0.259

BTU: 1150.6
GPM: 18.2240
SPG: 0.6471



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

Analysis No: CP120659
Cust No: 18300-23670

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: RHODES TLB #1
County/State: SAN JUAN NM
Location:
Field:
Formation: DK/FC/PC
Cust. Stn. No.: 7545101
A723378SM

Source: CASING
Pressure: 18 PSIG
Sample Temp: 87 DEG. F
Well Flowing: Y
Date Sampled: 08/14/2012
Sampled By: DALE LOCKETT
Foreman/Engr.:

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks: BRADENHEAD COMPARISON SAMPLE

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.229	0.0250	0.00	0.0022
CO2	0.740	0.1270	0.00	0.0112
Methane	95.654	16.2490	966.11	0.5298
Ethane	2.134	0.5720	37.77	0.0222
Propane	0.656	0.1810	16.51	0.0100
Iso-Butane	0.127	0.0420	4.13	0.0025
N-Butane	0.142	0.0450	4.63	0.0028
I-Pentane	0.053	0.0190	2.12	0.0013
N-Pentane	0.036	0.0130	1.44	0.0009
Hexane Plus	0.229	0.1020	12.07	0.0076
Total	100.000	17.3750	1044.77	0.5906

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0023
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1049.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1031.3
REAL SPECIFIC GRAVITY: 0.5917

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

DRY BTU @ 14.650: 1043.9
DRY BTU @ 14.696: 1047.2
DRY BTU @ 14.730: 1049.6
DRY BTU @ 15.025: 1070.6

CYLINDER #: 4168
CYLINDER PRESSURE: 15 PSIG
DATE RUN: 8/16/12 3:16 PM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: RHODES TLB #1
Stn. No.: 7545101
Mtr. No.: A723378SM

CASING
DK/FC/PC

03/04/2014
18300-23670

Smpl Date: 08/14/2012
Test Date: 08/16/2012
Run No: CP120659

Nitrogen: 0.229
CO2: 0.740
Methane: 95.654
Ethane: 2.134
Propane: 0.656
I-Butane: 0.127
N-Butane: 0.142
I-Pentane: 0.053
N-Pentane: 0.036
Hexane+: 0.229

BTU: 1049.6
GPM: 17.3750
SPG: 0.5917