

30-045-60060

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP140304
Cust No: 18300-21455**Well/Lease Information**Customer Name: CONOCO PHILLIPS COMPANY
Well Name: MOORE LS3 CSG
County/State: SAN JUAN NM
Location:
Field:
Formation: MESA VERDE
Cust. Stn. No.: 70913
AM01884447NOSource: CASING
Pressure: 82 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 04/16/2014
Sampled By: PHILLIP
Foreman/Engr.:

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks:

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.227	0.0250	0.00	0.0022
CO2	1.011	0.1730	0.00	0.0154
Methane	85.122	14.4720	859.73	0.4715
Ethane	8.263	2.2160	146.23	0.0858
Propane	3.115	0.8610	78.38	0.0474
Iso-Butane	0.463	0.1520	15.06	0.0093
N-Butane	0.786	0.2480	25.64	0.0158
I-Pentane	0.247	0.0910	9.88	0.0062
N-Pentane	0.201	0.0730	8.06	0.0050
Hexane Plus	0.565	0.2530	29.78	0.0187
Total	100.000	18.5640	1172.76	0.6772

* @ 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): 1179.1

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1158.6

REAL SPECIFIC GRAVITY: 0.679

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

DRY BTU @ 14.650: 1172.7

DRY BTU @ 14.696: 1176.4

DRY BTU @ 14.730: 1179.1

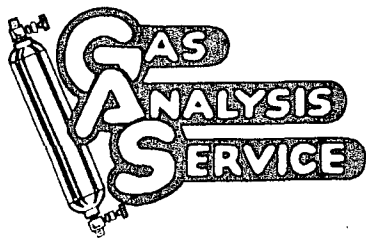
DRY BTU @ 15.025: 1202.7

CYLINDER #: 7026

CYLINDER PRESSURE: 86 PSIG

DATE RUN: 4/29/14 12:00 AM

ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: MOORE LS3 CSG
Stn. No.: 70913
Mtr. No.: AM01884447NO

CASING
MESA VERDE

04/30/2014
18300-21455

Smpl Date:	04/16/2014	08/02/2011
Test Date:	04/29/2014	08/03/2011
Run No:	CP140304	CP110702
Nitrogen:	0.227	0.212
CO2:	1.011	1.112
Methane:	85.122	84.608
Ethane:	8.263	8.317
Propane:	3.115	3.053
I-Butane:	0.463	0.456
N-Butane:	0.786	0.809
I-Pentane:	0.247	0.270
N-Pentane:	0.201	0.232
Hexane+:	0.565	0.931
BTU:	1179.1	1195.5
GPM:	18.5640	18.6790
SPG:	0.6790	0.6911



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

Analysis No: CP140235
Cust No: 18300-15575

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: MOORE LS-3 BHD
County/State: SAN JUAN NM
Location:
Field:
Formation: MESA VERDE
Cust. Stn. No.: 70913-01
AM01884447NO

Source:
Pressure: 79 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 03/18/2014
Sampled By: J. BROWN
Foreman/Engr.:

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.265	0.0290	0.00	0.0026
CO2	0.015	0.0030	0.00	0.0002
Methane	84.861	14.4320	857.09	0.4700
Ethane	8.157	2.1880	144.36	0.0847
Propane	3.207	0.8860	80.69	0.0488
Iso-Butane	0.508	0.1670	16.52	0.0102
N-Butane	0.940	0.2970	30.67	0.0189
I-Pentane	0.347	0.1270	13.88	0.0086
N-Pentane	0.308	0.1120	12.35	0.0077
Hexane Plus	1.392	0.6230	73.37	0.0461
Total	100.000	18.8640	1228.93	0.6978

* @ 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): 1236.0

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1214.5

REAL SPECIFIC GRAVITY: 0.6999

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

DRY BTU @ 14.650: 1229.3

DRY BTU @ 14.696: 1233.1

DRY BTU @ 14.730: 1236.0

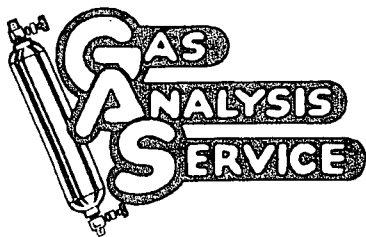
DRY BTU @ 15.025: 1260.8

CYLINDER #: A008

CYLINDER PRESSURE: 14 PSIG

DATE RUN: 4/1/14 2:32 PM

ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: MOORE LS-3 BHD
Stn. No.: 70913-01
Mtr. No.: AM01884447NO

MESA VERDE

04/03/2014
18300-15575

Smpl Date:	03/18/2014	05/19/2005
Test Date:	04/01/2014	05/20/2005
Run No:	CP140235	CP250273
Nitrogen:	0.265	0.284
CO2:	0.015	0.047
Methane:	84.861	83.789
Ethane:	8.157	8.044
Propane:	3.207	3.270
I-Butane:	0.508	0.545
N-Butane:	0.940	1.077
I-Pentane:	0.347	0.472
N-Pentane:	0.308	0.435
Hexane+:	1.392	2.037
BTU:	1236.0	1273.2
GPM:	18.8640	19.1190
SPG:	0.6999	0.7248