



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

Analysis No: BP140005
Cust No: 12305-10690

30-045-07767

Well/Lease Information

Customer Name: BP AMERICA/FARMINGTON
Well Name: GCU COM A 142
County/State:
Location:
Field:
Formation: CH/DK
Cust. Str. No.: 93462

Source: BRADENHEAD
Pressure: 22 PSIG
Sample Temp: DEG. F
Well Flowing:
Date Sampled: 05/28/2014
Sampled By: R. LELESMA
Foreman/Engr.: NATHAN DEAL

OIL CONS. DIV DIST. 3

JUL 29 2014

Remarks: TIME 10:00

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.260	0.1390	0.00	0.0122
CO2	0.082	0.0140	0.00	0.0012
Methane	85.752	14.5770	866.10	0.4750
Ethane	7.168	1.9220	126.85	0.0744
Propane	3.030	0.8370	76.24	0.0461
Iso-Butane	0.580	0.1900	18.86	0.0116
N-Butane	0.958	0.3030	31.25	0.0192
I-Pentane	0.338	0.1240	13.52	0.0084
N-Pentane	0.249	0.0910	9.98	0.0062
Hexane Plus	0.583	0.2610	30.73	0.0193
Total	100.000	18.4580	1173.53	0.6737

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.003
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1179.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1159.3
REAL SPECIFIC GRAVITY: 0.6755

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

DRY BTU @ 14.650: 1173.4
DRY BTU @ 14.696: 1177.1
DRY BTU @ 14.730: 1179.8
DRY BTU @ 15.025: 1203.4

CYLINDER #: 1471
CYLINDER PRESSURE: 15 PSIG
DATE RUN: 6/4/14 11:35 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



BP AMERICA/FARMINGTON
WELL ANALYSIS COMPARISON

Lease: GCU COM A 142
Stn. No.: 93462
Mtr. No.:

BRADENHEAD
CH/DK

06/04/2014
12305-10690

Smpl Date:	05/28/2014	07/16/2013
Test Date:	06/04/2014	07/17/2013
Run No:	BP140005	BP130025
Nitrogen:	1.260	0.369
CO2:	0.082	0.883
Methane:	85.752	78.900
Ethane:	7.168	10.157
Propane:	3.030	5.712
I-Butane:	0.580	0.868
N-Butane:	0.958	1.733
I-Pentane:	0.338	0.502
N-Pentane:	0.249	0.409
Hexane+:	0.583	0.467
BTU:	1179.8	1273.9
GPM:	18.4580	19.2940
SPG:	0.6755	0.7392



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

Analysis No: BP140007
Cust No: 12305-10955

30-045-07767

Well/Lease Information

Customer Name: BP AMERICA/FARMINGTON
Well Name: GCU COM A142
County/State:
Location:
Field:
Formation: CH/DK
Cust. Stn. No.: 14039

Source: CASING
Pressure: 140 PSIG
Sample Temp: DEG. F
Well Flowing:
Date Sampled: 05/28/2014
Sampled By: R. LADESMA
Foreman/Engr.: NATE DEAL

OIL CONS. DIV DIST. 3

JUL 29 2014

Remarks: TIME 10:00

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.279	0.1410	0.00	0.0124
CO2	0.086	0.0150	0.00	0.0013
Methane	90.724	15.4180	916.31	0.5025
Ethane	3.336	0.8940	59.04	0.0346
Propane	2.367	0.6540	59.56	0.0360
Iso-Butane	0.510	0.1670	16.58	0.0102
N-Butane	0.684	0.2160	22.31	0.0137
I-Pentane	0.286	0.1050	11.44	0.0071
N-Pentane	0.185	0.0670	7.42	0.0046
Hexane Plus	0.543	0.2430	28.62	0.0180
Total	100.000	17.9200	1121.29	0.6405

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0027
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1126.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1107.3
REAL SPECIFIC GRAVITY: 0.642

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

DRY BTU @ 14.650: 1120.8
DRY BTU @ 14.696: 1124.3
DRY BTU @ 14.730: 1126.9
DRY BTU @ 15.025: 1149.5

CYLINDER #: 1284
CYLINDER PRESSURE: 125 PSIG
DATE RUN: 6/4/14 11:40 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



BP AMERICA/FARMINGTON
WELL ANALYSIS COMPARISON

Lease: GCU COM A142
Stn. No.: 14039
Mtr. No.:

CASING
CH/DK

06/04/2014
12305-10955

Smpl Date:	05/28/2014	09/27/2013
Test Date:	06/04/2014	10/07/2013
Run No:	BP140007	BP130079
Nitrogen:	1.279	0.716
CO2:	0.086	0.126
Methane:	90.724	87.930
Ethane:	3.336	5.179
Propane:	2.367	2.662
I-Butane:	0.510	0.496
N-Butane:	0.684	0.758
I-Pentane:	0.286	0.281
N-Pentane:	0.185	0.203
Hexane+:	0.543	1.649
BTU:	1126.9	1200.5
GPM:	17.9200	18.4950
SPG:	0.6420	0.6839