



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

Analysis No: BP140010
Cust No: 12305-10725

30-045-07805

Well/Lease Information

Customer Name: BP AMERICA/FARMINGTON
Well Name: GCU COM G 179
County/State:
Location:
Field:
Formation: DK
Cust. Stn. No.: 14047

Source: BRADENHEAD
Pressure: 210 PSIG
Sample Temp: DEG. F
Well Flowing:
Date Sampled: 05/28/2014
Sampled By: R.LEDESMA
Foreman/Eng.: NATHAN DEAL

OIL CONS. DIV DIST. 3

JUL 29 2014

Remarks: Time 10:30

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.483	0.0530	0.00	0.0047
CO2	0.006	0.0010	0.00	0.0001
Methane	91.515	15.5490	924.30	0.5069
Ethane	5.370	1.4390	95.03	0.0558
Propane	1.655	0.4570	41.64	0.0252
Iso-Butane	0.187	0.0610	6.08	0.0038
N-Butane	0.353	0.1120	11.52	0.0071
I-Pentane	0.127	0.0470	5.08	0.0032
N-Pentane	0.105	0.0380	4.21	0.0026
Hexane Plus	0.199	0.0890	10.49	0.0066
Total	100.000	17.8460	1098.35	0.6158

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0025

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1103.7

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1084.5

REAL SPECIFIC GRAVITY: 0.6171

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

DRY BTU @ 14.650: 1097.7

DRY BTU @ 14.696: 1101.2

DRY BTU @ 14.730: 1103.7

DRY BTU @ 15.025: 1125.8

CYLINDER #: 1253

CYLINDER PRESSURE: 195 PSIG

DATE RUN: 6/4/14 12:25 PM

ANALYSIS RUN BY: TIMBER EVERETT



BP AMERICA/FARMINGTON
WELL ANALYSIS COMPARISON

Lease: GCU COM G 179
Stn. No.: 14047
Mtr. No.:

BRADENHEAD
DK

06/04/2014
12305-10725

Smpl Date:	05/28/2014	07/17/2013
Test Date:	06/04/2014	07/22/2013
Run No:	BP140010	BP130032
Nitrogen:	0.483	1.726
CO2:	0.006	0.070
Methane:	91.515	86.735
Ethane:	5.370	6.537
Propane:	1.655	2.652
I-Butane:	0.187	0.408
N-Butane:	0.353	0.648
I-Pentane:	0.127	0.240
N-Pentane:	0.105	0.160
Hexane+:	0.199	0.824
BTU:	1103.7	1158.3
GPM:	17.8460	18.2840
SPG:	0.6171	0.6665



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

30-045-07805

Analysis No: BP140006
Cust No: 12305-10880

Well/Lease Information

Customer Name: BP AMERICA/FARMINGTON
Well Name: GCU COM G179
County/State:
Location:
Field:
Formation: DAKOTA
Cust. Stn. No.: 14047

Source: CASING
Pressure: 200 PSIG
Sample Temp: DEG. F
Well Flowing:
Date Sampled: 05/28/2014
Sampled By: R. LEDESMA
Foreman/Engr.: NATE DEAL

OIL CONS. DIV DIST. 3

JUL 29 2014

Remarks: TIME 10:30

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	4.855	0.5360	0.00	0.0470
CO2	0.952	0.1630	0.00	0.0145
Methane	73.951	12.5780	746.91	0.4096
Ethane	10.771	2.8900	190.61	0.1118
Propane	5.798	1.6030	145.88	0.0883
Iso-Butane	0.889	0.2920	28.91	0.0178
N-Butane	1.663	0.5260	54.25	0.0334
I-Pentane	0.489	0.1790	19.56	0.0122
N-Pentane	0.391	0.1420	15.67	0.0097
Hexane Plus	0.241	0.1080	12.70	0.0080
Total	100.000	19.0170	1214.51	0.7522

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0035
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1221.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1200.3
REAL SPECIFIC GRAVITY: 0.7546

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

DRY BTU @ 14.650: 1215.0
DRY BTU @ 14.696: 1218.8
DRY BTU @ 14.730: 1221.6
DRY BTU @ 15.025: 1246.1

CYLINDER #: 1354
CYLINDER PRESSURE: 165 PSIG
DATE RUN: 6/4/14 11:37 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



BP AMERICA/FARMINGTON
WELL ANALYSIS COMPARISON

Lease: GCU COM G179
Stn. No.: 14047
Mtr. No.:

CASING
DAKOTA

06/04/2014
12305-10880

Smpl Date:	05/28/2014	09/23/2013
Test Date:	06/04/2014	09/27/2013
Run No:	BP140006	BP130064
Nitrogen:	4.855	0.474
CO2:	0.952	0.002
Methane:	73.951	91.214
Ethane:	10.771	5.363
Propane:	5.798	1.735
I-Butane:	0.889	0.208
N-Butane:	1.663	0.420
I-Pentane:	0.489	0.152
N-Pentane:	0.391	0.133
Hexane+:	0.241	0.299
BTU:	1221.6	1112.9
GPM:	19.0170	17.9080
SPG:	0.7546	0.6229