



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

30-045-07171

Analysis No: BP130089  
Cust No: 12305-11005

### Well/Lease Information

Customer Name: BP AMERICA/FARMINGTON  
Well Name: GCU 165  
County/State:  
Location:  
Field:  
Formation: DAKOTA  
Cust. Stn. No.:

Source: CASING  
Pressure: 90 PSIG  
Sample Temp: DEG. F  
Well Flowing:  
Date Sampled: 10/01/2013  
Sampled By: R. LEDESMA  
Foreman/Engr.: NATE DEAL

OIL CONS. DIV DIST. 3

Remarks: TIME 10:00

DEC 10 2013

### Analysis

| Component:  | Mole%:  | **GPM:  | *BTU:  | *SP Gravity: |
|-------------|---------|---------|--------|--------------|
| Nitrogen    | 23.256  | 2.5630  | 0.00   | 0.2249       |
| CO2         | 1.021   | 0.1750  | 0.00   | 0.0155       |
| Methane     | 66.429  | 11.2810 | 670.93 | 0.3680       |
| Ethane      | 6.236   | 1.6710  | 110.36 | 0.0647       |
| Propane     | 2.190   | 0.6040  | 55.10  | 0.0333       |
| Iso-Butane  | 0.272   | 0.0890  | 8.85   | 0.0055       |
| N-Butane    | 0.387   | 0.1220  | 12.63  | 0.0078       |
| I-Pentane   | 0.081   | 0.0300  | 3.24   | 0.0020       |
| N-Pentane   | 0.052   | 0.0190  | 2.08   | 0.0013       |
| Hexane Plus | 0.076   | 0.0340  | 4.01   | 0.0025       |
| Total       | 100.000 | 16.5880 | 867.20 | 0.7255       |

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\*@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.002  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 870.9  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 855.7  
REAL SPECIFIC GRAVITY: 0.7267

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

DRY BTU @ 14.650: 866.2  
DRY BTU @ 14.696: 868.9  
DRY BTU @ 14.730: 870.9  
DRY BTU @ 15.025: 888.3

CYLINDER #: 1510  
CYLINDER PRESSURE: 253 PSIG  
DATE RUN: 10/9/13 11:21 AM  
ANALYSIS RUN BY: PATRICIA KING