



OIL CONS. DIV DIST. 3

SEP 03 2015

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

Analysis No: MG150003

Cust No: 50000-10055

API # 30-045-06702

**Well/Lease Information**

Customer Name: M & G DRILLING CO., INC.  
Well Name: GRAHAM #53A; CSG; MV  
County/State: SAN JUAN  
Location:  
Field:  
Formation: MESA VERDE  
Cust. Stn. No.:

Source: CASING  
Pressure: 84 PSIG  
Sample Temp: DEG. F  
Well Flowing: Y  
Date Sampled: 09/02/2015  
Sampled By: DAVID HINSON  
Foreman/Engr.:

Remarks:

**Analysis**

| Component:: | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 0.359   | 0.0400  | 0.00    | 0.0035       |
| CO2         | 0.603   | 0.1030  | 0.00    | 0.0092       |
| Methane     | 70.699  | 12.0390 | 714.06  | 0.3916       |
| Ethane      | 14.639  | 3.9320  | 259.07  | 0.1520       |
| Propane     | 8.145   | 2.2540  | 204.94  | 0.1240       |
| Iso-Butane  | 1.235   | 0.4060  | 40.16   | 0.0248       |
| N-Butane    | 2.241   | 0.7100  | 73.11   | 0.0450       |
| I-Pentane   | 0.641   | 0.2350  | 25.65   | 0.0160       |
| N-Pentane   | 0.497   | 0.1810  | 19.92   | 0.0124       |
| Hexane Plus | 0.941   | 0.4220  | 49.60   | 0.0311       |
| Total       | 100.000 | 20.3220 | 1386.50 | 0.8095       |

\* @ 14.730 PSIA DRY &amp; UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z): 1.0047  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1396.1  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1371.8  
REAL SPECIFIC GRAVITY: 0.8129

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

DRY BTU @ 14.650: 1388.5  
DRY BTU @ 14.696: 1392.9  
DRY BTU @ 14.730: 1396.1  
DRY BTU @ 15.025: 1424.1

CYLINDER #: 4166  
CYLINDER PRESSURE: 82 PSIG  
DATE RUN: 9/3/15 12:00 AM  
ANALYSIS RUN BY: Kindra Anderson