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MAR 09 2015

NMOCD  
DISTR2030 Afton Place  
Farmington, NM 87401  
(505) 325-6622Analysis No: EN150070  
Cust No: 25400-11515

## Well/Lease Information

Customer Name: ENERVEST  
Well Name: WILLIAMS #1; CSG  
County/State: SAN JUAN NM  
Location:  
Field:  
Formation:  
Cust. Stn. No.:

30-045-10590

Source: CASING  
Pressure: 88 PSIG  
Sample Temp: DEG. F  
Well Flowing: Y  
Date Sampled: 02/12/2015  
Sampled By: LEROY MARTINEZ  
Foreman/Engr.:

Remarks:

## Analysis

| Component:: | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 0.196   | 0.0220  | 0.00    | 0.0019       |
| CO2         | 0.625   | 0.1070  | 0.00    | 0.0095       |
| Methane     | 82.094  | 13.9630 | 829.15  | 0.4547       |
| Ethane      | 9.766   | 2.6200  | 172.83  | 0.1014       |
| Propane     | 3.888   | 1.0750  | 97.82   | 0.0592       |
| Iso-Butane  | 0.729   | 0.2390  | 23.71   | 0.0146       |
| N-Butane    | 1.054   | 0.3330  | 34.38   | 0.0212       |
| I-Pentane   | 0.421   | 0.1540  | 16.84   | 0.0105       |
| N-Pentane   | 0.298   | 0.1080  | 11.95   | 0.0074       |
| Hexane Plus | 0.929   | 0.4160  | 48.97   | 0.0307       |
| Total       | 100.000 | 19.0370 | 1235.65 | 0.7111       |

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

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

COMPRESSIBILITY FACTOR (1/Z): 1.0035

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1242.9

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1221.3

REAL SPECIFIC GRAVITY: 0.7133

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

DRY BTU @ 14.650: 1236.1

DRY BTU @ 14.696: 1240.0

DRY BTU @ 14.730: 1242.9

DRY BTU @ 15.025: 1267.8

CYLINDER #: 3

CYLINDER PRESSURE: 88 PSIG

DATE RUN: 2/24/15 10:59 AM

ANALYSIS RUN BY: DAWN BLASSINGAME



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NMOCD  
DISTR2030 Afton Place  
Farmington, NM 87401  
(505) 325-6622Analysis No: EN150069  
Cust No: 25400-11510

## Well/Lease Information

Customer Name: ENERVEST  
Well Name: WILLIAMS #1; BHD  
County/State: SAN JUAN NM  
Location:  
Field:  
Formation:  
Cust. Stn. No.:Source: BRADENHEAD  
Pressure: 52 PSIG  
Sample Temp: DEG. F  
Well Flowing: Y  
Date Sampled: 02/12/2015  
Sampled By: LEROY MARTINEZ  
Foreman/Engr.:

Remarks:

## Analysis

| Component:: | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 0.604   | 0.0670  | 0.00    | 0.0058       |
| CO2         | 0.008   | 0.0010  | 0.00    | 0.0001       |
| Methane     | 91.154  | 15.4900 | 920.65  | 0.5049       |
| Ethane      | 4.475   | 1.2000  | 79.19   | 0.0465       |
| Propane     | 2.020   | 0.5580  | 50.83   | 0.0308       |
| Iso-Butane  | 0.583   | 0.1910  | 18.96   | 0.0117       |
| N-Butane    | 0.405   | 0.1280  | 13.21   | 0.0081       |
| I-Pentane   | 0.279   | 0.1020  | 11.16   | 0.0070       |
| N-Pentane   | 0.151   | 0.0550  | 6.05    | 0.0038       |
| Hexane Plus | 0.321   | 0.1430  | 16.92   | 0.0106       |
| Total       | 100.000 | 17.9350 | 1116.98 | 0.6292       |

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

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

COMPRESSIBILITY FACTOR (1/Z): 1.0026  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1122.5  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1103.0  
REAL SPECIFIC GRAVITY: 0.6306GPM, BTU, and SPG calculations as shown  
above are based on current GPA factors.DRY BTU @ 14.650: 1116.4  
DRY BTU @ 14.696: 1119.9  
DRY BTU @ 14.730: 1122.5  
DRY BTU @ 15.025: 1145.0CYLINDER #: 4  
CYLINDER PRESSURE: 56 PSIG  
DATE RUN: 2/24/15 10:58 AM  
ANALYSIS RUN BY: PATRICIA KING