



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE  
1000 RIO BRAZOS ROAD  
AZTEC NM 87410  
(505) 334-6178 FAX: (505) 334-6170  
[http://emnr.state.nm.us/ocd/District III/3distric.htm](http://emnr.state.nm.us/ocd/District%20III/3distric.htm)

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 9/26/14 Operator Enervest API #30-0 45-31218

Property Name Arustien Well No. 14 Location: Unit C Section 18 Township 31N Range 13W

Well Status (Shut-In or Producing) Initial PSI: Tubing 88 Intermediate 220 Casing 90 Bradenhead 0

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

| Testing TIME | PRESSURE |                |     | INTERM |     |
|--------------|----------|----------------|-----|--------|-----|
|              | BH       | Bradenhead Int | Csg | Int    | Csg |
| 5 min        | 0        | 220            | 90  | 0      | 90  |
| 10 min       | 0        | 220            | 90  | 0      | 90  |
| 15 min       | 0        | 220            | 90  | 0      | 90  |
| 20 min       |          |                |     |        |     |
| 25 min       |          |                |     |        |     |
| 30 min       |          |                |     |        |     |

FLOW CHARACTERISTICS  
BRADENHEAD INTERMEDIATE

Steady Flow

X

Surges

Down to Nothing

X

X

Nothing

Gas

Gas & Water

Water

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MAR 09 2015

NMOC  
DIST

If bradenhead flowed water, check all of the descriptions that apply below:

CLEAR \_\_\_\_\_ FRESH \_\_\_\_\_ SALTY \_\_\_\_\_ SULFUR \_\_\_\_\_ BLACK \_\_\_\_\_

5 MINUTE SHUT-IN PRESSURE

BRADENHEAD 0

INTERMEDIATE 2

REMARKS:

Bradenhead lets out a swift puff.

Intermediate blows down 22 seconds.

By Jay Schmitt  
Operator  
(Position)

Witness \_\_\_\_\_

E-mail address \_\_\_\_\_



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NMOCD  
DISTR2030 Afton Place  
Farmington, NM 87401  
(505) 325-6622Analysis No: EN150054  
Cust No: 25400-11435

## Well/Lease Information

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

30.045-31218

Source: CASING  
Pressure: 75 PSIG  
Sample Temp: DEG. F  
Well Flowing: Y  
Date Sampled: 02/13/2015  
Sampled By: LEROY MARTINEZ  
Foreman/Engr.:

Remarks:

## Analysis

| Component:: | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 0.398   | 0.0440  | 0.00    | 0.0038       |
| CO2         | 1.707   | 0.2920  | 0.00    | 0.0259       |
| Methane     | 80.724  | 13.7280 | 815.31  | 0.4471       |
| Ethane      | 10.032  | 2.6910  | 177.53  | 0.1042       |
| Propane     | 4.173   | 1.1530  | 105.00  | 0.0635       |
| Iso-Butane  | 0.684   | 0.2250  | 22.24   | 0.0137       |
| N-Butane    | 1.086   | 0.3430  | 35.43   | 0.0218       |
| I-Pentane   | 0.354   | 0.1300  | 14.16   | 0.0088       |
| N-Pentane   | 0.250   | 0.0910  | 10.02   | 0.0062       |
| Hexane Plus | 0.592   | 0.2650  | 31.20   | 0.0196       |
| Total       | 100.000 | 18.9620 | 1210.90 | 0.7148       |

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

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

COMPRESSIBILITY FACTOR (1/Z): 1.0034

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1217.8

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1196.6

REAL SPECIFIC GRAVITY: 0.7169

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

DRY BTU @ 14.650: 1211.2

DRY BTU @ 14.696: 1215.0

DRY BTU @ 14.730: 1217.8

DRY BTU @ 15.025: 1242.2

CYLINDER #: 9

CYLINDER PRESSURE: 73 PSIG

DATE RUN: 2/20/15 10:35 AM

ANALYSIS RUN BY: PATRICIA KING