



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://emrmd.state.nm.us/ocd/District III/district.htm](http://emrmd.state.nm.us/ocd/District%20III/district.htm)

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 12/29/2014 Operator F-A-C-E-S-T API #30-0 45-25892

Property Name Route Well No. 1E Location: Unit 4 Section 4 Township 3N Range 13W

Well Status(Shut-In or Producing) Initial PSI: Tubing 95 Intermediate Casing 95 Bradenhead 75

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing TIME	PRESSURE				
	BH	Bradenhead		INTERM	
		Int	Csg	Int	Csg
5 min	<u>0</u>		<u>95</u>		
10 min	<u>0</u>		<u>95</u>		
15 min	<u>0</u>		<u>95</u>		
20 min					
25 min					
30 min					

FLOW CHARACTERISTICS	
BRADENHEAD	INTERMEDIATE
Steady Flow	
Surges	
Down to Nothing	<u>✓ 135cc</u>
Nothing	
Gas	
Gas & Water	
Water	

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

REMARKS:

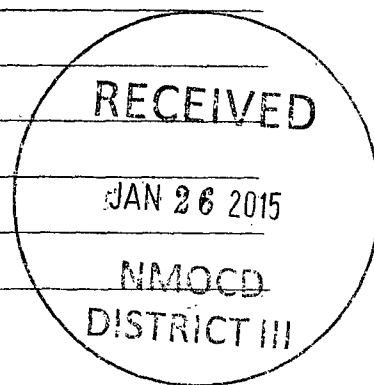
Flow down 135cc 1/2 valve

By Allyson

Witness

Lease Operator
(Position)

E-mail address





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

Analysis No: EN150007
Cust No: 25400-11355

Well/Lease Information

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

Source: BRADENHEAD
Pressure: 75 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 12/29/2014
Sampled By: LEROY M.
Foreman/Engr.:

Remarks: BRADENHEAD SAMPLE

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.690	0.0760	0.00	0.0067
CO2	0.020	0.0030	0.00	0.0003
Methane	93.472	15.8790	944.07	0.5177
Ethane	3.989	1.0690	70.59	0.0414
Propane	1.227	0.3390	30.87	0.0187
Iso-Butane	0.207	0.0680	6.73	0.0042
N-Butane	0.168	0.0530	5.48	0.0034
I-Pentane	0.053	0.0190	2.12	0.0013
N-Pentane	0.026	0.0090	1.04	0.0006
Hexane Plus	0.148	0.0660	7.80	0.0049
Total	100.000	17.5810	1068.71	0.5992

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0023
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1073.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1055.0
REAL SPECIFIC GRAVITY: 0.6003

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

DRY BTU @ 14.650: 1067.9
DRY BTU @ 14.696: 1071.2
DRY BTU @ 14.730: 1073.7
DRY BTU @ 15.025: 1095.2

CYLINDER #: 9
CYLINDER PRESSURE: 60 PSIG
DATE RUN: 12/31/14 9:29 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



ENERVEST
WELL ANALYSIS COMPARISON

Lease: ROURKE #1E
Stn. No.:
Mtr. No.:

BRADENHEAD

01/05/2015
25400-11355

Smpl Date: 12/29/2014
Test Date: 12/31/2014
Run No: EN150007

Nitrogen: 0.690
CO2: 0.020
Methane: 93.472
Ethane: 3.989
Propane: 1.227
I-Butane: 0.207
N-Butane: 0.168
I-Pentane: 0.053
N-Pentane: 0.026
Hexane+: 0.148

BTU: 1073.7
GPM: 17.5810
SPG: 0.6003



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

Analysis No: EN150008
Cust No: 25400-11360

Well/Lease Information

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

Source: CASING
Pressure: 95 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 12/29/2014
Sampled By: LEROY M.
Foreman/Engr.:

Remarks: CASING SAMPLE

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.524	0.0580	0.00	0.0051
CO2	1.032	0.1770	0.00	0.0157
Methane	78.427	13.3400	792.11	0.4344
Ethane	11.554	3.1000	204.47	0.1200
Propane	5.389	1.4900	135.59	0.0820
Iso-Butane	0.528	0.1730	17.17	0.0106
N-Butane	1.538	0.4870	50.17	0.0309
I-Pentane	0.320	0.1170	12.80	0.0080
N-Pentane	0.317	0.1150	12.71	0.0079
Hexane Plus	0.371	0.1660	19.56	0.0123
Total	100.000	19.2230	1244.59	0.7268

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

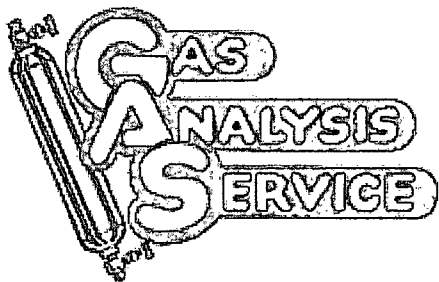
**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0036
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1252.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1230.2
REAL SPECIFIC GRAVITY: 0.7291

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

DRY BTU @ 14.650: 1245.2
DRY BTU @ 14.696: 1249.1
DRY BTU @ 14.730: 1252.0
DRY BTU @ 15.025: 1277.1

CYLINDER #: 8
CYLINDER PRESSURE: 103 PSIG
DATE RUN: 12/31/14 9:30 AM
ANALYSIS RUN BY: LOGAN CHENEY



ENERVEST
WELL ANALYSIS COMPARISON

Lease: ROURKE #1E
Stn. No.:
Mtr. No.:

CASING

01/05/2015
25400-11360

Smpl Date: 12/29/2014
Test Date: 12/31/2014
Run No: EN150008

Nitrogen: 0.524
CO2: 1.032
Methane: 78.427
Ethane: 11.554
Propane: 5.389
I-Butane: 0.528
N-Butane: 1.538
I-Pentane: 0.320
N-Pentane: 0.317
Hexane+: 0.371

BTU: 1252.0
GPM: 19.2230
SPG: 0.7291