



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

Analysis No: EN150003
Cust No: 25400-11335

30-045-10310

Well/Lease Information

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

Source: BRADENHEAD
Pressure: 65 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	1.712	0.1890	0.00	0.0166
CO2	0.009	0.0020	0.00	0.0001
Methane	95.863	16.2820	968.22	0.5310
Ethane	1.424	0.3820	25.20	0.0148
Propane	0.583	0.1610	14.67	0.0089
Iso-Butane	0.238	0.0780	7.74	0.0048
N-Butane	0.099	0.0310	3.23	0.0020
I-Pentane	0.054	0.0200	2.16	0.0013
N-Pentane	0.007	0.0030	0.28	0.0002
Hexane Plus	0.011	0.0050	0.58	0.0004
Total	100.000	17.1530	1022.08	0.5800

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0021
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1026.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1008.7
REAL SPECIFIC GRAVITY: 0.581

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

DRY BTU @ 14.650: 1021.0
DRY BTU @ 14.696: 1024.2
DRY BTU @ 14.730: 1026.6
DRY BTU @ 15.025: 1047.2

CYLINDER #: 1959
CYLINDER PRESSURE: 83 PSIG
DATE RUN: 12/31/14 12:00 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



ENERVEST
WELL ANALYSIS COMPARISON

Lease: NANCE #1
Stn. No.:
Mtr. No.:

BRADENHEAD

01/05/2015
25400-11335

Smpl Date: 12/29/2014
Test Date: 12/31/2014
Run No: EN150003

Nitrogen: 1.712
CO2: 0.009
Methane: 95.863
Ethane: 1.424
Propane: 0.583
I-Butane: 0.238
N-Butane: 0.099
I-Pentane: 0.054
N-Pentane: 0.007
Hexane+: 0.011

BTU: 1026.6
GPM: 17.1530
SPG: 0.5810



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

Analysis No: EN150004
Cust No: 25400-11340

Well/Lease Information

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

Source: CASING
Pressure: 265 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	0.436	0.0480	0.00	0.0042
CO2	1.602	0.2740	0.00	0.0243
Methane	80.776	13.7370	815.84	0.4474
Ethane	10.215	2.7400	180.77	0.1061
Propane	4.270	1.1800	107.44	0.0650
Iso-Butane	0.635	0.2080	20.65	0.0127
N-Butane	1.061	0.3360	34.61	0.0213
I-Pentane	0.339	0.1240	13.56	0.0084
N-Pentane	0.294	0.1070	11.79	0.0073
Hexane Plus	0.372	0.1660	19.61	0.0123
Total	100.000	18.9200	1204.27	0.7092

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0034
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1211.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1190.1
REAL SPECIFIC GRAVITY: 0.7113

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

DRY BTU @ 14.650: 1204.6
DRY BTU @ 14.696: 1208.4
DRY BTU @ 14.730: 1211.2
DRY BTU @ 15.025: 1235.5

CYLINDER #: 2A
CYLINDER PRESSURE: 228 PSIG
DATE RUN: 12/31/14 9:25 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



ENERVEST
WELL ANALYSIS COMPARISON

Lease: NANCE #1
Stn. No.:
Mtr. No.:

CASING

01/05/2015
25400-11340

Smpl Date: 12/29/2014
Test Date: 12/31/2014
Run No: EN150004

Nitrogen: 0.436
CO2: 1.602
Methane: 80.776
Ethane: 10.215
Propane: 4.270
I-Butane: 0.635
N-Butane: 1.061
I-Pentane: 0.339
N-Pentane: 0.294
Hexane+: 0.372

BTU: 1211.2
GPM: 18.9200
SPG: 0.7113



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/III3district.htm>

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 12/29/2014 Operator Enervest API #30-0 45-10310

Property Name Nance Well No. 1-27 Location: Unit J Section 27 Township 31N Range 13W

Well Status (Shut-In or Producing) Initial PSI: Tubing 200 Intermediate Casing 265 Bradenhead 65

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing TIME	PRESSURE				
	BH	Bradenhead Int	Csg	INTERM Int	Csg
5 min	0		265		
10 min	0		265		
15 min	0		265		
20 min	0		265		
25 min	0		265		
30 min	0		265		

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

RECEIVED

JAN 26 2015

NMOCD
DISTRICT III

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

CLEAR FRESH SALTY SULFUR BLACK

5 MINUTE SHUT-IN PRESSURE BRADENHEAD 5 INTERMEDIATE

REMARKS:

Slight flow 6 min

By Alv. Alvarado
Lease Operator
(Position)

Witness

E-mail address