



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

Analysis No: EN150035
Cust No: 25400-11415

30-045-32689

Well/Lease Information

Customer Name: ENERVEST
Well Name: VALANCE 33-02; BHD
County/State: SAN JUAN NM
Location:
Field:
Formation: DK/FRT
Cust. Stn. No.:

Source: BRADENHEAD
Pressure: 58 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 01/12/2015
Sampled By: L. MARTINEZ
Foreman/Engr.:

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	3.297	0.3630	0.00	0.0319
CO2	0.040	0.0070	0.00	0.0006
Methane	91.940	15.6170	928.59	0.5093
Ethane	3.215	0.8610	56.90	0.0334
Propane	0.623	0.1720	15.68	0.0095
Iso-Butane	0.325	0.1070	10.57	0.0065
N-Butane	0.110	0.0350	3.59	0.0022
I-Pentane	0.123	0.0450	4.92	0.0031
N-Pentane	0.077	0.0280	3.09	0.0019
Hexane Plus	0.250	0.1120	13.18	0.0083
Total	100.000	17.3470	1036.51	0.6066

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0022

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1041.2

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1023.1

REAL SPECIFIC GRAVITY: 0.6077

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

DRY BTU @ 14.650: 1035.5

DRY BTU @ 14.696: 1038.8

DRY BTU @ 14.730: 1041.2

DRY BTU @ 15.025: 1062.1

CYLINDER #: #12

CYLINDER PRESSURE: 62 PSIG

DATE RUN: 1/22/15 9:07 AM

ANALYSIS RUN BY: LOGAN CHENEY

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ENERVEST
WELL ANALYSIS COMPARISON

Lease: VALANCE 33-02; BHD
Stn. No.:
Mtr. No.:

BRADENHEAD
DK/FRT

01/26/2015
25400-11415

Smpl Date: 01/12/2015
Test Date: 01/22/2015
Run No: EN150035

Nitrogen: 3.297
CO2: 0.040
Methane: 91.940
Ethane: 3.215
Propane: 0.623
I-Butane: 0.325
N-Butane: 0.110
I-Pentane: 0.123
N-Pentane: 0.077
Hexane+: 0.250

BTU: 1041.2
GPM: 17.3470
SPG: 0.6077



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

Analysis No: EN150036
Cust No: 25400-11420

Well/Lease Information

Customer Name: ENERVEST
Well Name: VALANCE 33-02; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation: DK/FRT
Cust. Stn. No.:

Source: CASING
Pressure: 48 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 01/12/2015
Sampled By: L. MARTINEZ
Foreman/Engr.:

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.015	0.1120	0.00	0.0098
CO2	0.544	0.0930	0.00	0.0083
Methane	98.342	16.7010	993.25	0.5447
Ethane	0.084	0.0230	1.49	0.0009
Propane	0.010	0.0030	0.25	0.0002
Iso-Butane	0.003	0.0010	0.10	0.0001
N-Butane	0.002	0.0010	0.07	0.0000
I-Pentane	0.000	0.0000	0.00	0.0000
N-Pentane	0.000	0.0000	0.00	0.0000
Hexane Plus	0.000	0.0000	0.00	0.0000
Total	100.000	16.9340	995.16	0.5639

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.002
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 999.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 982.1
REAL SPECIFIC GRAVITY: 0.5648

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

DRY BTU @ 14.650: 994.1
DRY BTU @ 14.696: 997.2
DRY BTU @ 14.730: 999.5
DRY BTU @ 15.025: 1019.5

CYLINDER #: #195
CYLINDER PRESSURE: 54 PSIG
DATE RUN: 1/22/15 9:08 AM
ANALYSIS RUN BY: JENNIFER DEAN



ENERVEST
WELL ANALYSIS COMPARISON

Lease: VALANCE 33-02; CSG
Stn. No.:
Mtr. No.:

CASING
DK/FRT

01/26/2015
25400-11420

Smpl Date: 01/12/2015
Test Date: 01/22/2015
Run No: EN150036

Nitrogen: 1.015
CO2: 0.544
Methane: 98.342
Ethane: 0.084
Propane: 0.010
I-Butane: 0.003
N-Butane: 0.002
I-Pentane: 0.000
N-Pentane: 0.000
Hexane+: 0.000

BTU: 999.5
GPM: 16.9340
SPG: 0.5648