



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

Analysis No: EN150031
Cust No: 25400-11395

30-045-32187

Well/Lease Information

Customer Name: ENERVEST
Well Name: TAFOYA #1C; BHD
County/State: SAN JUAN NM
Location:
Field:
Formation: DAKOTA
Cust. Stn. No.:

Source: BRADENHEAD
Pressure: 122 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	0.373	0.0410	0.00	0.0036
CO2	0.003	0.0010	0.00	0.0000
Methane	93.747	15.9250	946.84	0.5193
Ethane	5.180	1.3880	91.67	0.0538
Propane	0.356	0.0980	8.96	0.0054
Iso-Butane	0.086	0.0280	2.80	0.0017
N-Butane	0.081	0.0260	2.64	0.0016
I-Pentane	0.046	0.0170	1.84	0.0011
N-Pentane	0.016	0.0060	0.64	0.0004
Hexane Plus	0.112	0.0500	5.90	0.0037
Total	100.000	17.5800	1061.30	0.5907

* @ 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): 1066.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1047.6
REAL SPECIFIC GRAVITY: 0.5918

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

DRY BTU @ 14.650: 1060.4
DRY BTU @ 14.696: 1063.7
DRY BTU @ 14.730: 1066.2
DRY BTU @ 15.025: 1087.6

CYLINDER #: 103
CYLINDER PRESSURE: 97 PSIG
DATE RUN: 1/23/15 8:52 AM
ANALYSIS RUN BY: LOGAN CHENEY

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ENERVEST
WELL ANALYSIS COMPARISON

Lease: TAFOYA #1C; BHD
Stn. No.:
Mtr. No.:

BRADENHEAD
DAKOTA

01/26/2015
25400-11395

Smpl Date: 01/12/2015
Test Date: 01/23/2015
Run No: EN150031

Nitrogen: 0.373
CO2: 0.003
Methane: 93.747
Ethane: 5.180
Propane: 0.356
I-Butane: 0.086
N-Butane: 0.081
I-Pentane: 0.046
N-Pentane: 0.016
Hexane+: 0.112

BTU: 1066.2
GPM: 17.5800
SPG: 0.5918



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

Analysis No: EN150032
Cust No: 25400-11400

30-045-32187

Well/Lease Information

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

Source: CASING
Pressure: 78 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	0.359	0.0400	0.00	0.0035
CO2	0.011	0.0020	0.00	0.0002
Methane	84.515	14.3730	853.60	0.4681
Ethane	7.917	2.1240	140.11	0.0822
Propane	3.589	0.9920	90.30	0.0546
Iso-Butane	0.749	0.2460	24.36	0.0150
N-Butane	1.060	0.3350	34.58	0.0213
I-Pentane	0.420	0.1540	16.80	0.0105
N-Pentane	0.327	0.1190	13.11	0.0081
Hexane Plus	1.053	0.4710	55.50	0.0348
Total	100.000	18.8560	1228.37	0.6984

* @ 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): 1235.4

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1213.9

REAL SPECIFIC GRAVITY: 0.7005

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

DRY BTU @ 14.650: 1228.7

DRY BTU @ 14.696: 1232.5

DRY BTU @ 14.730: 1235.4

DRY BTU @ 15.025: 1260.1

CYLINDER #: #105

CYLINDER PRESSURE: 82 PSIG

DATE RUN: 1/23/15 8:58 AM

ANALYSIS RUN BY: LOGAN CHENEY



ENERVEST
WELL ANALYSIS COMPARISON

Lease: TAFOYA #1C; CSG
Stn. No.:
Mtr. No.:

CASING
DAKOTA

01/26/2015
25400-11400

Smpl Date: 01/12/2015
Test Date: 01/23/2015
Run No: EN150032

Nitrogen: 0.359
CO2: 0.011
Methane: 84.515
Ethane: 7.917
Propane: 3.589
I-Butane: 0.749
N-Butane: 1.060
I-Pentane: 0.420
N-Pentane: 0.327
Hexane+: 1.053

BTU: 1235.4
GPM: 18.8560
SPG: 0.7005