



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

Analysis No: EN150033
Cust No: 25400-11405

30-045-32632

Well/Lease Information

Customer Name: ENERVEST
Well Name: TAFOYA 35 #05; BHD
County/State: SAN JUAN NM
Location:
Field:
Formation: DAKOTA
Cust. Stn. No.:

Source: BRADENHEAD
Pressure: 13 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	0.437	0.0480	0.00	0.0042
CO2	0.073	0.0120	0.00	0.0011
Methane	88.437	15.0320	893.21	0.4899
Ethane	6.295	1.6880	111.40	0.0654
Propane	2.599	0.7180	65.39	0.0396
Iso-Butane	0.570	0.1870	18.54	0.0114
N-Butane	0.757	0.2390	24.70	0.0152
I-Pentane	0.283	0.1040	11.32	0.0070
N-Pentane	0.204	0.0740	8.18	0.0051
Hexane Plus	0.345	0.1540	18.19	0.0114
Total	100.000	18.2560	1150.93	0.6503

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0029
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1156.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1136.7
REAL SPECIFIC GRAVITY: 0.6519

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

DRY BTU @ 14.650: 1150.5
DRY BTU @ 14.696: 1154.1
DRY BTU @ 14.730: 1156.8
DRY BTU @ 15.025: 1180.0

CYLINDER #: #6
CYLINDER PRESSURE: 10 PSIG
DATE RUN: 1/23/15 9:00 AM
ANALYSIS RUN BY: LOGAN CHENEY

4



ENERVEST
WELL ANALYSIS COMPARISON

Lease: TAFOYA 35 #05; BHD
Stn. No.:
Mtr. No.:

BRADENHEAD
DAKOTA

01/26/2015
25400-11405

Smpl Date: 01/12/2015
Test Date: 01/23/2015
Run No: EN150033

Nitrogen: 0.437
CO2: 0.073
Methane: 88.437
Ethane: 6.295
Propane: 2.599
I-Butane: 0.570
N-Butane: 0.757
I-Pentane: 0.283
N-Pentane: 0.204
Hexane+: 0.345

BTU: 1156.8
GPM: 18.2560
SPG: 0.6519



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

Analysis No: EN150034
Cust No: 25400-11410

30-045-32632

Well/Lease Information

Customer Name: ENERVEST
Well Name: TAFOYA 35 #05; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation: DAKOTA
Cust. Stn. No.:

Source: CASING
Pressure: 110 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 01/12/2015
Sampled By: L. MARATINEZ
Foreman/Engr.:

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.747	0.1930	0.00	0.0169
CO2	0.006	0.0010	0.00	0.0001
Methane	82.764	14.0750	835.92	0.4584
Ethane	7.882	2.1150	139.49	0.0818
Propane	3.744	1.0350	94.20	0.0570
Iso-Butane	0.826	0.2710	26.86	0.0166
N-Butane	1.303	0.4120	42.51	0.0261
I-Pentane	0.543	0.1990	21.72	0.0135
N-Pentane	0.431	0.1570	17.28	0.0107
Hexane Plus	0.754	0.3370	39.74	0.0250
Total	100.000	18.7950	1217.72	0.7062

* @ 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): 1224.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1203.4
REAL SPECIFIC GRAVITY: 0.7083

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

DRY BTU @ 14.650: 1218.0
DRY BTU @ 14.696: 1221.9
DRY BTU @ 14.730: 1224.7
DRY BTU @ 15.025: 1249.2

CYLINDER #: #7
CYLINDER PRESSURE: 114 PSIG
DATE RUN: 1/23/15 9:01 AM
ANALYSIS RUN BY: LOGAN CHENEY



ENERVEST
WELL ANALYSIS COMPARISON

Lease: TAFOYA 35 #05; CSG
Stn. No.:
Mtr. No.:

CASING
DAKOTA

01/26/2015
25400-11410

Smpl Date: 01/12/2015
Test Date: 01/23/2015
Run No: EN150034

Nitrogen: 1.747
CO2: 0.006
Methane: 82.764
Ethane: 7.882
Propane: 3.744
I-Butane: 0.826
N-Butane: 1.303
I-Pentane: 0.543
N-Pentane: 0.431
Hexane+: 0.754

BTU: 1224.7
GPM: 18.7950
SPG: 0.7083