



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

Analysis No: EN150027
Cust No: 25400-11375

30-045-32335

Well/Lease Information

Customer Name: ENERVEST
Well Name: MONTOYA #1R; BHD
County/State: SAN JUAN NM
Location:
Field:
Formation: MESA VERDE
Cust. Stn. No.:

Source: BRADENHEAD
Pressure: 32 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	0.182	0.0200	0.00	0.0018
CO2	0.004	0.0010	0.00	0.0001
Methane	91.159	15.4900	920.71	0.5049
Ethane	5.268	1.4120	93.23	0.0547
Propane	1.645	0.4540	41.39	0.0250
Iso-Butane	0.684	0.2240	22.24	0.0137
N-Butane	0.399	0.1260	13.02	0.0080
I-Pentane	0.356	0.1300	14.24	0.0089
N-Pentane	0.062	0.0230	2.49	0.0015
Hexane Plus	0.241	0.1080	12.70	0.0080
Total	100.000	17.9880	1120.01	0.6266

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0026
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1125.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1105.9
REAL SPECIFIC GRAVITY: 0.628

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

DRY BTU @ 14.650: 1119.4
DRY BTU @ 14.696: 1122.9
DRY BTU @ 14.730: 1125.5
DRY BTU @ 15.025: 1148.0

CYLINDER #: #104
CYLINDER PRESSURE: 28 PSIG
DATE RUN: 1/23/15 8:42 AM
ANALYSIS RUN BY: LOGAN CHENEY

W



ENERVEST
WELL ANALYSIS COMPARISON

Lease: MONTOKA #1R; BHD
Stn. No.:
Mtr. No.:

BRADENHEAD
MESA VERDE

01/26/2015
25400-11375

Smpl Date: 01/12/2015
Test Date: 01/23/2015
Run No: EN150027

Nitrogen: 0.182
CO2: 0.004
Methane: 91.159
Ethane: 5.268
Propane: 1.645
I-Butane: 0.684
N-Butane: 0.399
I-Pentane: 0.356
N-Pentane: 0.062
Hexane+: 0.241

BTU: 1125.5
GPM: 17.9880
SPG: 0.6280



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

Analysis No: EN150028
Cust No: 25400-11380

30-045-32335

Well/Lease Information

Customer Name: ENERVEST
Well Name: MONTOYA #1R; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation: MESA VERDE
Cust. Stn. No.:

Source: CASING
Pressure: 85 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	0.191	0.0210	0.00	0.0018
CO2	0.520	0.0890	0.00	0.0079
Methane	83.865	14.2640	847.04	0.4645
Ethane	7.812	2.0960	138.25	0.0811
Propane	3.563	0.9850	89.65	0.0542
Iso-Butane	0.782	0.2570	25.43	0.0157
N-Butane	1.189	0.3760	38.79	0.0239
I-Pentane	0.454	0.1670	18.16	0.0113
N-Pentane	0.392	0.1430	15.71	0.0098
Hexane Plus	1.232	0.5510	64.94	0.0408
Total	100.000	18.9490	1237.97	0.7110

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0035
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1245.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1223.5
REAL SPECIFIC GRAVITY: 0.7132

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

DRY BTU @ 14.650: 1238.4
DRY BTU @ 14.696: 1242.3
DRY BTU @ 14.730: 1245.2
DRY BTU @ 15.025: 1270.1

CYLINDER #: #2A
CYLINDER PRESSURE: 86 PSIG
DATE RUN: 1/23/15 8:43 AM
ANALYSIS RUN BY: LOGAN CHENEY



ENERVEST
WELL ANALYSIS COMPARISON

Lease: MONTOKA #1R; CSG
Stn. No.:
Mtr. No.:

CASING
MESA VERDE

01/26/2015
25400-11380

Smpl Date: 01/12/2015
Test Date: 01/23/2015
Run No: EN150028

Nitrogen: 0.191
CO2: 0.520
Methane: 83.865
Ethane: 7.812
Propane: 3.563
I-Butane: 0.782
N-Butane: 1.189
I-Pentane: 0.454
N-Pentane: 0.392
Hexane+: 1.232

BTU: 1245.2
GPM: 18.9490
SPG: 0.7132