



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

Analysis No: EN150001
Cust No: 25400-11325

30-045-25972

Well/Lease Information

Customer Name: ENERVEST
Well Name: KAUFMAN #1E
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	0.522	0.0580	0.00	0.0050
CO2	0.005	0.0010	0.00	0.0001
Methane	92.444	15.7060	933.68	0.5120
Ethane	4.489	1.2030	79.44	0.0466
Propane	1.722	0.4750	43.33	0.0262
Iso-Butane	0.389	0.1280	12.65	0.0078
N-Butane	0.285	0.0900	9.30	0.0057
I-Pentane	0.067	0.0250	2.68	0.0017
N-Pentane	0.027	0.0100	1.08	0.0007
Hexane Plus	0.050	0.0220	2.64	0.0017
Total	100.000	17.7180	1084.80	0.6075

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0024
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1089.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1070.9
REAL SPECIFIC GRAVITY: 0.6087

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

DRY BTU @ 14.650: 1084.0
DRY BTU @ 14.696: 1087.4
DRY BTU @ 14.730: 1089.9
DRY BTU @ 15.025: 1111.7

CYLINDER #: 7
CYLINDER PRESSURE: 70 PSIG
DATE RUN: 12/31/14 9:20 AM
ANALYSIS RUN BY: LOGAN CHENEY



ENERVEST
WELL ANALYSIS COMPARISON

Lease: KAUFMAN #1E
Stn. No.:
Mtr. No.:

BRADENHEAD

01/06/2015
25400-11325

Smpl Date: 12/29/2014
Test Date: 12/31/2014
Run No: EN150001

Nitrogen: 0.522
CO2: 0.005
Methane: 92.444
Ethane: 4.489
Propane: 1.722
I-Butane: 0.389
N-Butane: 0.285
I-Pentane: 0.067
N-Pentane: 0.027
Hexane+: 0.050

BTU: 1089.9
GPM: 17.7180
SPG: 0.6087



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

Analysis No: EN150002
Cust No: 25400-11330

Well/Lease Information

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

Source: CASING
Pressure: 120 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	0.540	0.0600	0.00	0.0052
CO2	1.043	0.1790	0.00	0.0158
Methane	79.350	13.4960	801.43	0.4395
Ethane	11.132	2.9870	197.00	0.1156
Propane	5.187	1.4340	130.51	0.0790
Iso-Butane	0.470	0.1540	15.28	0.0094
N-Butane	1.398	0.4420	45.61	0.0281
I-Pentane	0.275	0.1010	11.00	0.0069
N-Pentane	0.274	0.1000	10.98	0.0068
Hexane Plus	0.331	0.1480	17.45	0.0110
Total	100.000	19.1010	1229.27	0.7173

* @ 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): 1236.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1214.9
REAL SPECIFIC GRAVITY: 0.7195

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

DRY BTU @ 14.650: 1229.7
DRY BTU @ 14.696: 1233.5
DRY BTU @ 14.730: 1236.4
DRY BTU @ 15.025: 1261.2

CYLINDER #: 6
CYLINDER PRESSURE: 113 PSIG
DATE RUN: 12/31/14 9:21 AM
ANALYSIS RUN BY: LOGAN CHENEY



ENERVEST
WELL ANALYSIS COMPARISON

Lease: KAUFMAN #1E
Stn. No.:
Mtr. No.:

CASING

01/05/2015
25400-11330

Smpl Date: 12/29/2014
Test Date: 12/31/2014
Run No: EN150002

Nitrogen: 0.540
CO2: 1.043
Methane: 79.350
Ethane: 11.132
Propane: 5.187
I-Butane: 0.470
N-Butane: 1.398
I-Pentane: 0.275
N-Pentane: 0.274
Hexane+: 0.331
BTU: 1236.4
GPM: 19.1010
SPG: 0.7195



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 III/district.htm](http://emnr.state.nm.us/ocd/District%20III/district.htm)

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 12/29/2014 Operator Envest API #30-0 45-25972

Property Name Kaufman Well No. 1E Location: Unit B Section 30 Township 31N Range 13W

Well Status (Shut-In or Producing) Initial PSI: Tubing 115 Intermediate Casing 120 Bradenhead 65

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing TIME	PRESSURE				
	BH	Bradenhead		INTERM	
		Int	Csg	Int	Csg
5 min	0		120		
10 min	0		120		
15 min	0		120		
20 min					
25 min					
30 min					

FLOW CHARACTERISTICS	
BRADENHEAD	INTERMEDIATE
Steady Flow	
Surges	
Down to Nothing ☒	
Nothing	
Gas	
Gas & Water	
Water	

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 0 INTERMEDIATE

REMARKS: blow down to nothing 16 sec 1/2 valve

By Alex Chacon
Lease Operator
(Position)

Witness

E-mail address