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://emnrd.state.nm.us/ocd/District III/3district.htm

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 12/29/2014 Operator Enervest 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 .5

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

PRESSURE

Testing	Bradenhead BH	Bradenhead Int	Bradenhead Csg	INTERM Int	INTERM Csg
TIME					
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: Blew Down to Nothing 16 sec ½ Vol

By Mike Macon

Witness ____

Lease Operator
(Position)

E-mail address ____

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

Analysis No: EN150001
Cust No: 25400-11325

Well/Lease Information

Customer Name:	ENERVEST	Source:	BRADENHEAD
Well Name:	KAUFMAN #1E	Pressure:	65 PSIG
County/State:	SAN JUAN NM	Sample Temp:	DEG. F
Location:		Well Flowing:	Y
Field:		Date Sampled:	12/29/2014
Formation:		Sampled By:	LEROY M.
Cust. Stn. No.:		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.

COMPRESSIBLITY 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	CYLINDER #:	7
DRY BTU @ 14.696:	1087.4	CYLINDER PRESSURE:	70 PSIG
DRY BTU @ 14.730:	1089.9	DATE RUN:	12/31/14 9:20 AM
DRY BTU @ 15.025:	1111.7	ANALYSIS RUN BY:	LOGAN CHENEY

ENERVEST

WELL ANALYSIS COMPARISON

Lease:	KAUFMAN #1E	BRADENHEAD	01/06/2015
Stn. No.:			25400-11325
Mtr. No.:			

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	Source:	CASING
Well Name:	KAUFMAN #1E	Pressure:	120 PSIG
County/State:	SAN JUAN NM	Sample Temp:	DEG. F
Location:		Well Flowing:	Y
Field:		Date Sampled:	12/29/2014
Formation:		Sampled By:	LEROY M.
Cust. Stn. No.:		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.

COMPRESSIBLITY 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	CYLINDER #:	6
DRY BTU @ 14.696:	1233.5	CYLINDER PRESSURE:	113 PSIG
DRY BTU @ 14.730:	1236.4	DATE RUN:	12/31/14 9:21 AM
DRY BTU @ 15.025:	1261.2	ANALYSIS RUN BY:	LOGAN CHENEY

ENERVEST

WELL ANALYSIS COMPARISON

Lease:	KAUFMAN #1E	CASING	01/05/2015
Stn. No.:			25400-11330
Mtr. No.:			

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