



30-045-31068

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NMOCD
DINTL

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

Analysis No: EN150068
Cust No: 25400-11505

Well/Lease Information

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

Source: CASING
Pressure: 77 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 02/13/2015
Sampled By: LEROY MARTINEZ
Foreman/Engr.:

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.429	0.0470	0.00	0.0041
CO2	0.752	0.1290	0.00	0.0114
Methane	79.689	13.5600	804.86	0.4414
Ethane	9.432	2.5320	166.92	0.0979
Propane	4.389	1.2140	110.43	0.0668
Iso-Butane	0.877	0.2880	28.52	0.0176
N-Butane	1.573	0.4980	51.32	0.0316
I-Pentane	0.788	0.2890	31.53	0.0196
N-Pentane	0.697	0.2540	27.94	0.0174
Hexane Plus	1.374	0.6150	72.42	0.0455
Total	100.000	19.4260	1293.93	0.7533

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.004
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1302.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1279.4
REAL SPECIFIC GRAVITY: 0.7561

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

DRY BTU @ 14.650: 1295.0
DRY BTU @ 14.696: 1299.1
DRY BTU @ 14.730: 1302.1
DRY BTU @ 15.025: 1328.2

CYLINDER #: 104
CYLINDER PRESSURE: 63 PSIG
DATE RUN: 2/24/15 10:57 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



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

Analysis No: EN150067
Cust No: 25400-11500

Well/Lease Information

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

Source: BRADENHEAD
Pressure: 11 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 02/13/2015
Sampled By: LEROY MARTINEZ
Foreman/Engr.:

Remarks: PRESSURED WITH HELIUM TO 30 LBS.

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.615	0.0680	0.00	0.0059
CO2	0.006	0.0010	0.00	0.0001
Methane	94.453	16.0450	953.98	0.5232
Ethane	3.045	0.8160	53.89	0.0316
Propane	1.076	0.2970	27.07	0.0164
Iso-Butane	0.250	0.0820	8.13	0.0050
N-Butane	0.268	0.0850	8.74	0.0054
I-Pentane	0.097	0.0360	3.88	0.0024
N-Pentane	0.061	0.0220	2.45	0.0015
Hexane Plus	0.129	0.0580	6.80	0.0043
Total	100.000	17.5100	1064.93	0.5958

* @ 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): 1069.9

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1051.3

REAL SPECIFIC GRAVITY: 0.5969

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

DRY BTU @ 14.650: 1064.1

DRY BTU @ 14.696: 1067.4

DRY BTU @ 14.730: 1069.9

DRY BTU @ 15.025: 1091.3

CYLINDER #: 103

CYLINDER PRESSURE: PSIG

DATE RUN: 2/24/15 10:56 AM

ANALYSIS RUN BY: PATRICIA KING



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://emrnr.state.nm.us/ocd/District III/3district.htm](http://emrnr.state.nm.us/ocd/District%20III/3district.htm)

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 9/25/14 Operator Enervest API #30-0 45-31068

Property Name Starr Well No. 1B Location: Unit 0 Section 13 Township 31N Range 13W

Well Status (Shut-In or Producing) Initial PSI: Tubing 75 Intermediate 0 Casing 80 Bradenhead 100

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing	PRESSURE			INTERM	
	BH	Int	Csg	Int	Csg
TIME					
5 min	0	0	80	0	80
10 min	0	0	80	0	80
15 min	0	0	80	0	80
20 min					
25 min					
30 min					

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FLOW CHARACTERISTICS
BRADENHEAD INTERMEDIATE

Steady Flow

Surges

Down to Nothing

Nothing

Gas

Gas & Water

Water

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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 50

INTERMEDIATE 0

REMARKS:

Braden lets out a burst then nothing audible. Light amount of vapor continues.

Intermediate puffs then nothing audible. Light vapors

By Jay Schmitt
operator
(Position)

Witness

E-mail address