



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

Analysis No: EN170192
Cust No: 25400-11460

Well/Lease Information

Customer Name: ENERVEST
Well Name: JACKSON #2E; BHD
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.: API 3004524386

OIL CONS. DIV DIST. 3

OCT 30 2017

Source: BRADENHEAD
Well Flowing: Y
Pressure: 103 PSIG
Flow Temp: DEG. F
Ambient Temp: 65 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Date Sampled: 10/24/2017
Sample Time: 1.40 PM
Sampled By: LEROY MARTINEZ
Sampled by (CO): ENERVEST

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1081	0.1069	0.0120	0.00	0.0010
CO2	0.0253	0.0250	0.0040	0.00	0.0004
Methane	94.8483	93.7553	16.1130	957.97	0.5254
Ethane	3.8661	3.8216	1.0360	68.42	0.0401
Propane	0.6889	0.6810	0.1900	17.33	0.0105
Iso-Butane	0.1823	0.1802	0.0600	5.93	0.0037
N-Butane	0.1342	0.1327	0.0420	4.38	0.0027
I-Pentane	0.0667	0.0659	0.0240	2.67	0.0017
N-Pentane	0.0291	0.0288	0.0110	1.17	0.0007
Hexane Plus	0.0510	0.0504	0.0230	2.69	0.0017
Total	100.0000	98.8478	17.5150	1060.55	0.5878

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0023
BTU/CU.FT IDEAL: 1063.0
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1065.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1047.0
DRY BTU @ 15.025: 1086.8
REAL SPECIFIC GRAVITY: 0.589

CYLINDER #: 5012
CYLINDER PRESSURE: 106 PSIG
DATE RUN: 10/25/17 12:00 AM
ANALYSIS RUN BY: CAMERON MANGAN

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

GPA Standard: GPA-2261

GC: Danalyzer Model 500

Last Cal/Verify: 10/25/2017

GC Method: C6+ Gas



ENERVEST
WELL ANALYSIS COMPARISON

Lease: JACKSON #2E; BHD
Stn. No.:
Mtr. No.:

BRADENHEAD

10/25/2017
25400-11460

Smpl Date:	10/24/2017	02/12/2015
Test Date:	10/25/2017	02/20/2015
Run No:	EN170192	EN150059
Nitrogen:	0.1081	0.1180
CO2:	0.0253	0.0280
Methane:	94.8483	94.8790
Ethane:	3.8661	3.7860
Propane:	0.6889	0.6260
I-Butane:	0.1823	0.1680
N-Butane:	0.1342	0.1320
I-Pentane:	0.0667	0.0730
N-Pentane:	0.0291	0.0350
Hexane+:	0.0510	0.1550
BTU:	1065.5	1068.2
GPM:	17.5150	17.5300
SPG:	0.5890	0.5909



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

Analysis No: EN170193
Cust No: 25400-11465

Well/Lease Information

Customer Name: ENERVEST
Well Name: JACKSON #2E; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.: API 3004524386

OIL CONS. DIV DIST. 3

OCT 30 2017

Source: CASING
Well Flowing: Y
Pressure: 88 PSIG
Flow Temp: DEG. F
Ambient Temp: 65 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Date Sampled: 10/24/2017
Sample Time: 1.45 PM
Sampled By: LEROY MARTINEZ
Sampled by (CO): ENERVEST

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1356	0.1343	0.0150	0.00	0.0013
CO2	0.2843	0.2815	0.0490	0.00	0.0043
Methane	90.3367	89.4452	15.3580	912.40	0.5004
Ethane	4.4742	4.4300	1.2000	79.18	0.0465
Propane	1.2516	1.2392	0.3460	31.49	0.0191
Iso-Butane	0.3417	0.3383	0.1120	11.11	0.0069
N-Butane	0.5856	0.5798	0.1850	19.10	0.0118
I-Pentane	0.5507	0.5453	0.2020	22.03	0.0137
N-Pentane	0.5934	0.5875	0.2160	23.79	0.0148
Hexane Plus	1.4462	1.4319	0.6470	76.23	0.0479
Total	100.0000	99.0130	18.3300	1175.34	0.6665

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031
BTU/CU.FT IDEAL: 1178.1
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1181.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1161.1
DRY BTU @ 15.025: 1205.4
REAL SPECIFIC GRAVITY: 0.6683

CYLINDER #: 4056
CYLINDER PRESSURE: 88 PSIG
DATE RUN: 10/25/17 12:00 AM
ANALYSIS RUN BY: CAMERON MANGAN

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

GPA Standard: GPA-2261

GC: Danalyzer Model 500

Last Cal/Verify: 10/25/2017

GC Method: C6+ Gas



ENERVEST
WELL ANALYSIS COMPARISON

Lease: JACKSON #2E; CSG
Stn. No.:
Mtr. No.:

CASING

10/25/2017
25400-11465

Smpl Date:	10/24/2017	02/12/2015
Test Date:	10/25/2017	02/20/2015
Run No:	EN170193	EN150060
Nitrogen:	0.1356	5.0729
CO2:	0.2843	2.4060
Methane:	90.3367	75.9362
Ethane:	4.4742	9.5699
Propane:	1.2516	4.1670
I-Butane:	0.3417	0.6760
N-Butane:	0.5856	1.0510
I-Pentane:	0.5507	0.3450
N-Pentane:	0.5934	0.2730
Hexane+:	1.4462	0.5030
BTU:	1181.7	1155.0
GPM:	18.3300	18.6080
SPG:	0.6683	0.7378
