

7/7/21



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

Analysis No: EP2021260  
Cust No: 77000-11190

**Well/Lease Information**

Customer Name: EPIC ENERGY  
Well Name: LYBROOK SOUTH 13,14 & 16 TB  
County/State: SANDOVAL NM  
Location:  
Lease/PA/CA: SF078360  
Formation:  
Cust. Str. No.: 31042  
  
Heat Trace:  
Remarks: PRESSURED WITH HELIUM TO 30LBS.

Source: METER RUN  
Well Flowing: Y  
Pressure: 25 PSIG  
Flow Temp: DEG. F  
Ambient Temp: 80 DEG. F  
Flow Rate: MCF/D  
Sample Method:  
Sample Date: 06/17/2021  
Sample Time: 10.00 AM  
Sampled By: SHANNON BODO  
Sampled by (CO): WALSH

**Analysis**

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.2931	0.8952	0.2530	0.00	0.0222
CO2	0.4690	0.1831	0.0800	0.00	0.0071
Methane	67.5829	26.3836	11.5110	682.59	0.3743
Ethane	14.5186	5.6679	3.9010	256.94	0.1507
Propane	9.2388	3.6067	2.5570	232.46	0.1407
Iso-Butane	0.9281	0.3623	0.3050	30.18	0.0186
N-Butane	2.5270	0.9865	0.8000	82.44	0.0507
I-Pentane	0.5264	0.2055	0.1930	21.06	0.0131
N-Pentane	0.5349	0.2088	0.1950	21.44	0.0133
Hexane Plus	1.3812	0.5392	0.6190	72.80	0.0457
<b>Total</b>	<b>100.0000</b>	<b>39.0388</b>	<b>20.4140</b>	<b>1399.91</b>	<b>0.8365</b>

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\*@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0049  
BTU/CU.FT IDEAL: 1403.1  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1410.1  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1385.6  
DRY BTU @ 15.025: 1438.3  
REAL SPECIFIC GRAVITY: 0.8403

CYLINDER #: 4113  
CYLINDER PRESSURE: 3 PSIG  
ANALYSIS DATE: 07/07/2021  
ANALYSIS TIME: 03:34:55 PM  
ANALYSIS RUN BY: RICHARD WILSON

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: 07/13/2021

GC Method: C6+ Gas



EPIC ENERGY  
WELL ANALYSIS COMPARISON

Lease: LYBROOK SOUTH 13,14 & 16 TB      METER RUN      07/13/2021  
Stn. No.: 31042           77000-11190  
Mtr. No.:

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Smpl Date:	06/17/2021	12/15/2020	09/12/2019
Test Date:	07/07/2021	01/28/2021	09/18/2019
Run No:	EP2021260	EP210019	EP190111
Nitrogen:	2.2931	2.7150	4.1361
CO2:	0.4690	0.3982	0.3566
Methane:	67.5829	69.5493	65.3791
Ethane:	14.5186	13.1520	14.1220
Propane:	9.2388	8.2429	9.3539
I-Butane:	0.9281	1.0008	1.0327
N-Butane:	2.5270	2.7089	2.8142
I-Pentane:	0.5264	0.6855	0.6587
N-Pentane:	0.5349	0.7003	0.6953
Hexane+:	1.3812	0.8471	1.4514
BTU:	1410.1	1373.0	1411.9
GPM:	20.4140	20.0970	20.4140
SPG:	0.8403	0.8200	0.8594