



OCD Received
6/26/2020

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

Analysis No: ED190969
Cust No: 25250-12600

Well/Lease Information

Customer Name: ENDURING RESOURCES
Well Name: NEAH VICTORIA 2; CSG
County/State: NM
Location:
Lease/PA/CA:
Formation: PC
Cust. Stn. No.: 2300450035

Source: CASING
Well Flowing: N
Pressure: 111 PSIG
Flow Temp: DEG. F
Ambient Temp: 67 DEG. F
Flow Rate: 0 MCF/D
Sample Method: Purge & Fill
Sample Date: 10/01/2019
Sample Time: 10.06 AM
Sampled By: RYAN JOHNSTON
Sampled by (CO): ENDURING

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2351	0.2370	0.0260	0.00	0.0023
CO2	0.5197	0.5240	0.0890	0.00	0.0079
Methane	87.0734	87.7910	14.8040	879.44	0.4823
Ethane	6.3715	6.4240	1.7090	112.76	0.0661
Propane	3.1205	3.1462	0.8620	78.51	0.0475
Iso-Butane	0.6104	0.6154	0.2000	19.85	0.0122
N-Butane	0.8843	0.8916	0.2800	28.85	0.0177
I-Pentane	0.3315	0.3342	0.1220	13.26	0.0083
N-Pentane	0.2431	0.2451	0.0880	9.75	0.0061
Hexane Plus	0.6105	0.6155	0.2730	32.18	0.0202
Total	100.0000	100.8240	18.4530	1174.60	0.6706

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031
BTU/CU.FT IDEAL: 1177.3
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1180.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1160.4
DRY BTU @ 15.025: 1204.6
REAL SPECIFIC GRAVITY: 0.6724

CYLINDER #: 005
CYLINDER PRESSURE: 107 PSIG
ANALYSIS DATE: 10/07/2019
ANALYSIS TIME: 09:53:03 AM
ANALYSIS RUN BY: SHYANN ELLEDGE

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: 10/09/2019

GC Method: C6+ Gas



ENDURING RESOURCES
WELL ANALYSIS COMPARISON

Lease: NEAH VICTORIA 2; CSG
Stn. No.: 2300450035
Mtr. No.:

CASING
PC

10/09/2019
25250-12600

Smpl Date: 10/01/2019
Test Date: 10/07/2019
Run No: ED190969
Nitrogen: 0.2351
CO2: 0.5197
Methane: 87.0734
Ethane: 6.3715
Propane: 3.1205
I-Butane: 0.6104
N-Butane: 0.8843
I-Pentane: 0.3315
N-Pentane: 0.2431
Hexane+: 0.6105
BTU: 1180.9
GPM: 18.4530
SPG: 0.6724



OCD Received
6/26/2020

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

Analysis No: ED190968
Cust No: 25250-12595

Well/Lease Information

Customer Name: ENDURING RESOURCES
Well Name: NEAH VICTORIA 2; BHD
County/State: NM
Location:
Lease/PA/CA:
Formation: PC
Cust. Stn. No.: 2300450035

Source: BRADENHEAD
Well Flowing: N
Pressure: 20 PSIG
Flow Temp: DEG. F
Ambient Temp: 66 DEG. F
Flow Rate: 0 MCF/D
Sample Method: Purge & Fill
Sample Date: 10/01/2019
Sample Time: 9.54 AM
Sampled By: RYAN JOHNSTON
Sampled by (CO): ENDURING

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	4.6370	4.6303	0.5120	0.00	0.0448
CO2	0.1105	0.1103	0.0190	0.00	0.0017
Methane	83.2120	83.0918	14.1440	840.44	0.4609
Ethane	5.3678	5.3600	1.4390	94.99	0.0557
Propane	3.8939	3.8883	1.0760	97.97	0.0593
Iso-Butane	0.9929	0.9915	0.3260	32.29	0.0199
N-Butane	0.9702	0.9688	0.3070	31.65	0.0195
I-Pentane	0.3194	0.3189	0.1170	12.78	0.0080
N-Pentane	0.2014	0.2011	0.0730	8.07	0.0050
Hexane Plus	0.2949	0.2945	0.1320	15.54	0.0098
Total	100.0000	99.8555	18.1450	1133.75	0.6846

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0029
BTU/CU.FT IDEAL: 1136.4
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1139.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1119.9
DRY BTU @ 15.025: 1162.5
REAL SPECIFIC GRAVITY: 0.6863

CYLINDER #: 4
CYLINDER PRESSURE: 14 PSIG
ANALYSIS DATE: 10/07/2019
ANALYSIS TIME: 09:42:25 AM
ANALYSIS RUN BY: SHYANN ELLEDGE

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: 10/09/2019

GC Method: C6+ Gas



ENDURING RESOURCES
WELL ANALYSIS COMPARISON

Lease: NEAH VICTORIA 2; BHD
Stn. No.: 2300450035
Mtr. No.:

BRADENHEAD
PC

10/09/2019
25250-12595

Smpl Date: 10/01/2019
Test Date: 10/07/2019
Run No: ED190968
Nitrogen: 4.6370
CO2: 0.1105
Methane: 83.2120
Ethane: 5.3678
Propane: 3.8939
I-Butane: 0.9929
N-Butane: 0.9702
I-Pentane: 0.3194
N-Pentane: 0.2014
Hexane+: 0.2949
BTU: 1139.7
GPM: 18.1450
SPG: 0.6863