



Well Name: NEWSOME B13; CSG
 API #: 3004511849
 Source: CASING
 Sample Type: GAS
 Analysis No: EP20240132
 Cust No: 77000-12075

Well/Lease Information

Customer Name: EPIC ENERGY
 Well Name: NEWSOME B13; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: SF-D78384
 Formation: DK
 Cust. Stn. No.: 3004511849
 75-560

Source: CASING
 Well Flowing:
 Pressure: 360 PSIG
 Flow Temp: 82 DEG. F
 Ambient Temp: 82 DEG. F
 Flow Rate: MCF/D
 Sample Method:
 Sample Date: 06/12/2024
 Sample Time: 11.25 AM
 Sampled By:
 Sampled by (CO): EPIC

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.8722	0.8693	0.0960	0.00	0.0084
CO2	1.0577	1.0542	0.1810	0.00	0.0161
Methane	81.9384	81.6670	13.9330	827.58	0.4539
Ethane	9.3957	9.3646	2.5200	166.28	0.0975
Propane	3.8503	3.8375	1.0640	96.88	0.0586
Iso-Butane	0.6991	0.6968	0.2290	22.73	0.0140
N-Butane	1.0595	1.0560	0.3350	34.56	0.0213
I-Pentane	0.3884	0.3871	0.1420	15.54	0.0097
N-Pentane	0.3150	0.3140	0.1150	12.63	0.0078
Hexane Plus	0.4237	0.4223	0.1900	22.33	0.0140
Total	100.0000	99.6688	18.8050	1198.53	0.7014

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
 BTU/CU.FT IDEAL: 1201.3
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1205.3
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1184.3
 DRY BTU @ 15.025: 1229.4
 REAL SPECIFIC GRAVITY: 0.7034

CYLINDER #: 55
 CYLINDER PRESSURE: 314 PSIG
 ANALYSIS DATE: 06/17/2024
 ANALYSIS TIME: 03:04:05 AM
 ANALYSIS RUN BY: ALEXIS MITCHELL

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: 06/19/2024

GC Method: C6+ Gas



EPIC ENERGY
WELL ANALYSIS COMPARISON

Lease: NEWSOME B13; CSG
Stn. No.: 3004511849
Mtr. No.: 75-560

CASING
DK

06/19/2024
77000-12075

Smpl Date: 06/12/2024
Test Date: 06/17/2024
Run No: EP20240132

Nitrogen: 0.8722
CO2: 1.0577
Methane: 81.9384
Ethane: 9.3957
Propane: 3.8503
I-Butane: 0.6991
N-Butane: 1.0595
I-Pentane: 0.3884
N-Pentane: 0.3150
Hexane+: 0.4237

BTU: 1205.3
GPM: 18.8050
SPG: 0.7034



Well Name: NEWSOME B13; BHD
 API #: 3004511849
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: EP20240131
 Cust No: 77000-12070

Well/Lease Information

Customer Name: EPIC ENERGY
 Well Name: NEWSOME B13; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: SF-D78384
 Formation:
 Cust. Str. No.: 3004511849
 75-560

Source: BRADENHEAD
 Well Flowing: N
 Pressure: 22 PSIG
 Flow Temp: 82 DEG. F
 Ambient Temp: 82 DEG. F
 Flow Rate: MCF/D
 Sample Method:
 Sample Date: 06/12/2024
 Sample Time: 11.17 AM
 Sampled By: DJ EDWARDS
 Sampled by (CO): EPIC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.7278	0.7200	0.0800	0.00	0.0070
CO2	0.0106	0.0105	0.0020	0.00	0.0002
Methane	74.8371	74.0379	12.7550	755.85	0.4145
Ethane	10.3714	10.2607	2.7890	183.54	0.1077
Propane	4.8259	4.7744	1.3370	121.42	0.0735
Iso-Butane	0.8843	0.8749	0.2910	28.76	0.0177
N-Butane	1.6413	1.6238	0.5200	53.54	0.0329
I-Pentane	1.0177	1.0068	0.3740	40.72	0.0254
N-Pentane	1.1666	1.1541	0.4250	46.77	0.0291
Hexane Plus	4.5173	4.4691	2.0250	238.11	0.1495
Total	100.0000	98.9322	20.5980	1468.72	0.8575

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0056
 BTU/CU.FT IDEAL: 1472.1
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1480.3
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1454.5
 DRY BTU @ 15.025: 1509.9
 REAL SPECIFIC GRAVITY: 0.8619

CYLINDER #: 1828
 CYLINDER PRESSURE: 28 PSIG
 ANALYSIS DATE: 06/17/2024
 ANALYSIS TIME: 02:57:07 PM
 ANALYSIS RUN BY: ALEXIS MITCHELL

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: 06/19/2024

GC Method: C6+ Gas



EPIC ENERGY
WELL ANALYSIS COMPARISON

Lease: NEWSOME B13; BHD
Stn. No.: 3004511849
Mtr. No.: 75-560

BRADENHEAD

06/19/2024
77000-12070

Smpl Date: 06/12/2024
Test Date: 06/17/2024
Run No: EP20240131

Nitrogen: 0.7278
CO2: 0.0106
Methane: 74.8371
Ethane: 10.3714
Propane: 4.8259
I-Butane: 0.8843
N-Butane: 1.6413
I-Pentane: 1.0177
N-Pentane: 1.1666
Hexane+: 4.5173

BTU: 1480.3
GPM: 20.5980
SPG: 0.8619

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District III
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District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 364565

CONDITIONS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 364565
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	for record	7/22/2024