



Well Name: NEWSOM B #14; BHD
 API #:
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: CM2021004
 Cust No: 18200-11045

Well/Lease Information

Customer Name: COLEMAN OIL AND GAS INC.
 Well Name: NEWSOM B #14; BHD
 County/State: SAN JUAN NM
 Location: WELL HEAD
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.:
 Heat Trace: N
 Remarks: PRESSURED WITH TO HELIUM 30LB

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 7 PSIA
 Flow Temp: DEG. F
 Ambient Temp: 86 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 08/12/2021
 Sample Time: 1.15 PM
 Sampled By: BRUCE TAYLOR
 Sampled by (CO): COLEMAN

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	20.2023	4.9741	2.2290	0.00	0.1954
CO2	0.1852	0.0456	0.0320	0.00	0.0028
Methane	61.9219	15.2461	10.5280	625.41	0.3430
Ethane	8.9609	2.2063	2.4030	158.58	0.0930
Propane	4.4124	1.0864	1.2190	111.02	0.0672
Iso-Butane	0.6381	0.1571	0.2090	20.75	0.0128
N-Butane	1.1973	0.2948	0.3790	39.06	0.0240
I-Pentane	0.5093	0.1254	0.1870	20.38	0.0127
N-Pentane	0.4707	0.1159	0.1710	18.87	0.0117
Hexane Plus	1.5019	0.3698	0.6720	79.17	0.0497
Total	100.0000	24.6215	18.0290	1073.23	0.8124

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031
 BTU/CU.FT IDEAL: 1075.7
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1079.1
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1060.3
 DRY BTU @ 15.025: 1100.7
 REAL SPECIFIC GRAVITY: 0.8146

CYLINDER #: 4099
 CYLINDER PRESSURE: 7 PSIG
 ANALYSIS DATE: 08/21/2021
 ANALYSIS TIME: 09:48:45 AM
 ANALYSIS RUN BY: SEAN CASAUS

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

GPA Standard: GPA-2261

GC: Danalyzer Model 500

GC Method: C6+ Gas

Last Cal/Verify: 08/26/2021



Well Name: NEWSOM B #14; CSG

API #:

Source: CASING

Sample Type: GAS

Analysis No: CM2021005

Cust No: 18200-11050

Well/Lease Information

Customer Name: COLEMAN OIL AND GAS INC.
 Well Name: NEWSOM B #14; CSG
 County/State: SAN JUAN NM
 Location: WELL HEAD
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.:

Source: CASING
 Well Flowing: Y
 Pressure: 80 PSIA
 Flow Temp: DEG. F
 Ambient Temp: 86 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 08/12/2021
 Sample Time: 1.19 PM
 Sampled By: BRUCE TAYLOR
 Sampled by (CO): COLEMAN

Heat Trace: N

Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.7122	0.7145	0.0790	0.00	0.0069
CO2	1.1424	1.1461	0.1960	0.00	0.0174
Methane	73.4820	73.7171	12.5080	742.17	0.4070
Ethane	12.9387	12.9801	3.4740	228.98	0.1343
Propane	6.7082	6.7297	1.8560	168.79	0.1021
Iso-Butane	0.9284	0.9314	0.3050	30.19	0.0186
N-Butane	1.9456	1.9518	0.6160	63.47	0.0390
I-Pentane	0.6067	0.6086	0.2230	24.27	0.0151
N-Pentane	0.5275	0.5292	0.1920	21.15	0.0131
Hexane Plus	1.0083	1.0115	0.4510	53.15	0.0334
Total	100.0000	100.3200	19.9000	1332.16	0.7870

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0043
 BTU/CU.FT IDEAL: 1335.2
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1341.0
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1317.7
 DRY BTU @ 15.025: 1367.9
 REAL SPECIFIC GRAVITY: 0.7901

CYLINDER #: 6158
 CYLINDER PRESSURE: 77 PSIG
 ANALYSIS DATE: 08/21/2021
 ANALYSIS TIME: 11:00:29 AM
 ANALYSIS RUN BY: SEAN CASAUS

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: 08/26/2021

GC Method: C6+ Gas



Well Name: NEWSOM B #14; TBG
 API #:
 Source: TUBING
 Sample Type: GAS
 Analysis No: CM2021006
 Cust No: 18200-11055

Well/Lease Information

Customer Name: COLEMAN OIL AND GAS INC.
 Well Name: NEWSOM B #14; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.:

Source: TUBING
 Well Flowing: Y
 Pressure: 83 PSIA
 Flow Temp: DEG. F
 Ambient Temp: 86 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 08/12/2021
 Sample Time: 1.25 PM
 Sampled By: BRUCE TAYLOR
 Sampled by (CO): COLEMAN

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4113	0.4127	0.0450	0.00	0.0040
CO2	0.4739	0.4755	0.0810	0.00	0.0072
Methane	72.7630	73.0087	12.3800	734.91	0.4030
Ethane	17.4595	17.5185	4.6860	308.98	0.1813
Propane	6.4652	6.4870	1.7880	162.67	0.0984
Iso-Butane	0.5783	0.5803	0.1900	18.81	0.0116
N-Butane	0.9558	0.9590	0.3020	31.18	0.0192
I-Pentane	0.2038	0.2045	0.0750	8.15	0.0051
N-Pentane	0.1617	0.1622	0.0590	6.48	0.0040
Hexane Plus	0.5275	0.5293	0.2360	27.80	0.0175
Total	100.0000	100.3377	19.8420	1298.99	0.7513

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0039
 BTU/CU.FT IDEAL: 1302.0
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1307.1
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1284.4
 DRY BTU @ 15.025: 1333.3
 REAL SPECIFIC GRAVITY: 0.7539

CYLINDER #: 7051
 CYLINDER PRESSURE: 81 PSIG
 ANALYSIS DATE: 08/21/2021
 ANALYSIS TIME: 10:58:42 AM
 ANALYSIS RUN BY: SEAN CASAUS

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: 08/26/2021

GC Method: C6+ Gas

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

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 66744

CONDITIONS

Operator: COLEMAN OIL & GAS INC P.O. Drawer 3337 Farmington, NM 87499	OGRID: 4838
	Action Number: 66744
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	None	12/20/2021