



Well Name: WARREN COM #2M; BHD

API #: 3004525567

Source: BRADENHEAD

Sample Type: GAS

Analysis No: SB20240134

Cust No: 69350-11135

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: WARREN COM #2M; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004525567

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 81 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 69 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 10/23/2024
 Sample Time: 12.48 PM
 Sampled By: HEATHER
 Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3833	0.3854	0.0420	0.00	0.0037
CO2	0.7047	0.7085	0.1210	0.00	0.0107
Methane	74.5933	74.9965	12.6960	753.39	0.4132
Ethane	12.4992	12.5667	3.3560	221.20	0.1298
Propane	7.0738	7.1120	1.9570	177.98	0.1077
Iso-Butane	1.1954	1.2019	0.3930	38.87	0.0240
N-Butane	1.8909	1.9011	0.5980	61.69	0.0379
I-Pentane	0.5449	0.5478	0.2000	21.80	0.0136
N-Pentane	0.4486	0.4510	0.1630	17.98	0.0112
Hexane Plus	0.6659	0.6695	0.2980	35.10	0.0220
Total	100.0000	100.5404	19.8240	1328.02	0.7738

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0042
 BTU/CU.FT IDEAL: 1331.1
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1336.7
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1313.4
 DRY BTU @ 15.025: 1363.5
 REAL SPECIFIC GRAVITY: 0.7767

CYLINDER #: 23
 CYLINDER PRESSURE: 76 PSIG
 ANALYSIS DATE: 11/01/2024
 ANALYSIS TIME: 02:10:48 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: 11/06/2024

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: WARREN COM #2M; BHD
Stn. No.: 3004525567
Mtr. No.:

BRADENHEAD

11/06/2024
69350-11135

Smpl Date: 10/23/2024
Test Date: 11/01/2024
Run No: SB20240134

Nitrogen: 0.3833
CO2: 0.7047
Methane: 74.5933
Ethane: 12.4992
Propane: 7.0738
I-Butane: 1.1954
N-Butane: 1.8909
I-Pentane: 0.5449
N-Pentane: 0.4486
Hexane+: 0.6659

BTU: 1336.7
GPM: 19.8240
SPG: 0.7767



Well Name: WARREN COM #2M; CSG

API #: 3004525567

Source: CASING

Sample Type: GAS

Analysis No: SB20240135

Cust No: 69350-11140

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: WARREN COM #2M; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004525567

Source: CASING
 Well Flowing: Y
 Pressure: 81 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 69 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 10/23/2024
 Sample Time: 12.53 PM
 Sampled By: HEATHER
 Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3680	0.3697	0.0410	0.00	0.0036
CO2	0.7404	0.7438	0.1270	0.00	0.0113
Methane	73.1532	73.4903	12.4560	738.85	0.4052
Ethane	12.5567	12.6146	3.3730	222.22	0.1304
Propane	7.2076	7.2408	1.9940	181.35	0.1097
Iso-Butane	1.2306	1.2363	0.4040	40.02	0.0247
N-Butane	2.1852	2.1953	0.6920	71.29	0.0439
I-Pentane	0.7339	0.7373	0.2700	29.36	0.0183
N-Pentane	0.6915	0.6947	0.2520	27.72	0.0172
Hexane Plus	1.1329	1.1381	0.5070	59.72	0.0375
Total	100.0000	100.4609	20.1160	1370.52	0.8017

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0046
 BTU/CU.FT IDEAL: 1373.7
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1379.9
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1355.9
 DRY BTU @ 15.025: 1407.5
 REAL SPECIFIC GRAVITY: 0.805

CYLINDER #: 2057
 CYLINDER PRESSURE: 76 PSIG
 ANALYSIS DATE: 11/01/2024
 ANALYSIS TIME: 02:17:49 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: 11/06/2024

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: WARREN COM #2M; CSG
Stn. No.: 3004525567
Mtr. No.:

CASING

11/06/2024
69350-11140

Smpl Date: 10/23/2024
Test Date: 11/01/2024
Run No: SB20240135

Nitrogen: 0.3680
CO2: 0.7404
Methane: 73.1532
Ethane: 12.5567
Propane: 7.2076
I-Butane: 1.2306
N-Butane: 2.1852
I-Pentane: 0.7339
N-Pentane: 0.6915
Hexane+: 1.1329

BTU: 1379.9
GPM: 20.1160
SPG: 0.8050



Well Name: WARREN COM #2M; TBG

API #: 3004525567

Source: TUBING

Sample Type: GAS

Analysis No: SB20240136

Cust No: 69350-11145

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: WARREN COM #2M; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004525567

Source: TUBING
 Well Flowing: Y
 Pressure: 81 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 69 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 10/23/2024
 Sample Time: 12.59 PM
 Sampled By: HEATHER
 Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3716	0.3734	0.0410	0.00	0.0036
CO2	0.7434	0.7470	0.1270	0.00	0.0113
Methane	73.5841	73.9365	12.5260	743.20	0.4076
Ethane	12.5837	12.6440	3.3790	222.69	0.1306
Propane	7.1497	7.1839	1.9780	179.89	0.1089
Iso-Butane	1.1938	1.1995	0.3920	38.82	0.0240
N-Butane	2.0768	2.0867	0.6570	67.75	0.0417
I-Pentane	0.6680	0.6712	0.2450	26.73	0.0166
N-Pentane	0.6157	0.6186	0.2240	24.68	0.0153
Hexane Plus	1.0132	1.0181	0.4540	53.41	0.0335
Total	100.0000	100.4789	20.0230	1357.17	0.7931

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0044
 BTU/CU.FT IDEAL: 1360.3
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1366.3
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1342.5
 DRY BTU @ 15.025: 1393.7
 REAL SPECIFIC GRAVITY: 0.7963

CYLINDER #: 8016
 CYLINDER PRESSURE: 77 PSIG
 ANALYSIS DATE: 11/01/2024
 ANALYSIS TIME: 02:25:01 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: 11/06/2024

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: WARREN COM #2M; TBG
Stn. No.: 3004525567
Mtr. No.:

TUBING

11/06/2024
69350-11145

Smpl Date: 10/23/2024
Test Date: 11/01/2024
Run No: SB20240136

Nitrogen: 0.3716
CO2: 0.7434
Methane: 73.5841
Ethane: 12.5837
Propane: 7.1497
I-Butane: 1.1938
N-Butane: 2.0768
I-Pentane: 0.6680
N-Pentane: 0.6157
Hexane+: 1.0132

BTU: 1366.3
GPM: 20.0230
SPG: 0.7963

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<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 400028

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 400028
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	same gas bh and production casing -	11/27/2024