



Well Name: GCU 330; BHD

API #: 3004525822

Source: BRADENHEAD

Sample Type: GAS

Analysis No: SB2021075

Cust No: 69350-10355

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU 330; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004525822

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 35 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 77 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/06/2021
 Sample Time: 4.20 PM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3389	0.3264	0.0370	0.00	0.0033
CO2	0.0143	0.0138	0.0020	0.00	0.0002
Methane	87.2267	83.9993	14.8280	880.99	0.4831
Ethane	7.5639	7.2840	2.0280	133.86	0.0785
Propane	2.8052	2.7014	0.7750	70.58	0.0427
Iso-Butane	0.4450	0.4285	0.1460	14.47	0.0089
N-Butane	0.6706	0.6458	0.2120	21.88	0.0135
I-Pentane	0.2372	0.2284	0.0870	9.49	0.0059
N-Pentane	0.1803	0.1736	0.0660	7.23	0.0045
Hexane Plus	0.5179	0.4987	0.2320	27.30	0.0171
Total	100.0000	96.2999	18.4130	1165.79	0.6578

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.003
 BTU/CU.FT IDEAL: 1168.5
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1171.9
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1151.5
 DRY BTU @ 15.025: 1195.4
 REAL SPECIFIC GRAVITY: 0.6595

CYLINDER #: 1011
 CYLINDER PRESSURE: 30 PSIG
 ANALYSIS DATE: 05/13/2021
 ANALYSIS TIME: 02:28:50 PM
 ANALYSIS RUN BY: SHYANN GALLEGOS

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: 05/17/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: GCU 330; BHD
Stn. No.: 3004525822
Mtr. No.:

BRADENHEAD

05/17/2021
69350-10355

Smpl Date: 05/06/2021
Test Date: 05/13/2021
Run No: SB2021075

Nitrogen: 0.3389
CO2: 0.0143
Methane: 87.2267
Ethane: 7.5639
Propane: 2.8052
I-Butane: 0.4450
N-Butane: 0.6706
I-Pentane: 0.2372
N-Pentane: 0.1803
Hexane+: 0.5179

BTU: 1171.9
GPM: 18.4130
SPG: 0.6595



Well Name: GCU 330; CSG

API #: 3004525822

Source: CASING

Sample Type: GAS

Analysis No: SB2021076

Cust No: 69350-10360

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU 330; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004525822

Source: CASING
 Well Flowing: Y
 Pressure: 8 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 77 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/06/2021
 Sample Time: 2.20 PM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N

Remarks: PRESSURED WITH HELIUM TO 30LBS.

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2868	0.1338	0.0320	0.00	0.0028
CO2	2.4159	1.1269	0.4130	0.00	0.0367
Methane	90.7057	42.3104	15.4150	916.13	0.5024
Ethane	3.3047	1.5415	0.8860	58.48	0.0343
Propane	1.2953	0.6042	0.3580	32.59	0.0197
Iso-Butane	0.2772	0.1293	0.0910	9.01	0.0056
N-Butane	0.4547	0.2121	0.1440	14.83	0.0091
I-Pentane	0.2206	0.1029	0.0810	8.83	0.0055
N-Pentane	0.1773	0.0827	0.0640	7.11	0.0044
Hexane Plus	0.8618	0.4020	0.3850	45.43	0.0285
Total	100.0000	46.6458	17.8690	1092.41	0.6491

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0027
 BTU/CU.FT IDEAL: 1094.9
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1097.9
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1078.8
 DRY BTU @ 15.025: 1119.9
 REAL SPECIFIC GRAVITY: 0.6506

CYLINDER #: 1098
 CYLINDER PRESSURE: PSIG
 ANALYSIS DATE: 05/13/2021
 ANALYSIS TIME: 02:46:45 PM
 ANALYSIS RUN BY: SHYANN GALLEGOS

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: 05/17/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: GCU 330; CSG
Stn. No.: 3004525822
Mtr. No.:

CASING

05/17/2021
69350-10360

Smpl Date: 05/06/2021
Test Date: 05/13/2021
Run No: SB2021076

Nitrogen: 0.2868
CO2: 2.4159
Methane: 90.7057
Ethane: 3.3047
Propane: 1.2953
I-Butane: 0.2772
N-Butane: 0.4547
I-Pentane: 0.2206
N-Pentane: 0.1773
Hexane+: 0.8618

BTU: 1097.9
GPM: 17.8690
SPG: 0.6506



Well Name: GCU 330; TBG

API #: 3004525822

Source: TUBING

Sample Type: GAS

Analysis No: SB2021077

Cust No: 69350-10365

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU 330; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004525822

Source: TUBING
 Well Flowing: Y
 Pressure: 4 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 77 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/06/2021
 Sample Time: 4.28 PM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N

Remarks: PRESSURED WITH HELIUM TO 30LBS.

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3245	0.1106	0.0360	0.00	0.0031
CO2	2.0954	0.7141	0.3590	0.00	0.0318
Methane	86.8494	29.5981	14.7700	877.18	0.4811
Ethane	4.3272	1.4747	1.1610	76.58	0.0449
Propane	2.2183	0.7560	0.6130	55.81	0.0338
Iso-Butane	0.5276	0.1798	0.1730	17.16	0.0106
N-Butane	0.8900	0.3033	0.2810	29.03	0.0179
I-Pentane	0.4592	0.1565	0.1680	18.37	0.0114
N-Pentane	0.3735	0.1273	0.1360	14.97	0.0093
Hexane Plus	1.9349	0.6594	0.8660	101.99	0.0640
Total	100.0000	34.0798	18.5630	1191.10	0.7080

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0034
 BTU/CU.FT IDEAL: 1193.9
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1197.9
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1177.1
 DRY BTU @ 15.025: 1221.9
 REAL SPECIFIC GRAVITY: 0.7101

CYLINDER #: 191
 CYLINDER PRESSURE: PSIG
 ANALYSIS DATE: 05/13/2021
 ANALYSIS TIME: 03:11:41 PM
 ANALYSIS RUN BY: SHYANN GALLEGOS

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: 05/17/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease:	GCU 330; TBG	TUBING	05/17/2021
Stn. No.:	3004525822		69350-10365
Mtr. No.:			

Smpl Date: 05/06/2021
Test Date: 05/13/2021
Run No: SB2021077

Nitrogen: 0.3245
CO2: 2.0954
Methane: 86.8494
Ethane: 4.3272
Propane: 2.2183
I-Butane: 0.5276
N-Butane: 0.8900
I-Pentane: 0.4592
N-Pentane: 0.3735
Hexane+: 1.9349

BTU: 1197.9
GPM: 18.5630
SPG: 0.7101

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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 30440

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 30440
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	None	6/14/2021