



Well Name: GCU 263; BHD

API #: 3004520277

Source: BRADENHEAD

Sample Type: GAS

Analysis No: SB2021072

Cust No: 69350-10370

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU 263; BHD
 County/State: LA PLATA CO
 Location:
 Lease/PA/CA: NMNM78391C
 Formation:
 Cust. Stn. No.: 3004520277

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 15 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 73 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/06/2021
 Sample Time: 12.53 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	41.9018	0.2970	4.6300	0.00	0.4053
CO2	0.1975	0.0014	0.0340	0.00	0.0030
Methane	45.1327	0.3199	7.6850	455.84	0.2500
Ethane	1.2415	0.0088	0.3330	21.97	0.0129
Propane	0.1693	0.0012	0.0470	4.26	0.0026
Iso-Butane	0.0000	0.0000	0.0000	0.00	0.0000
N-Butane	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
N-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
Hexane Plus	11.3572	0.0805	5.0870	598.65	0.3759
Total	100.0000	0.7088	17.8160	1080.72	1.0496

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0046
 BTU/CU.FT IDEAL: 1083.2
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1088.2
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1069.3
 DRY BTU @ 15.025: 1110.0
 REAL SPECIFIC GRAVITY: 1.054

CYLINDER #: 101
 CYLINDER PRESSURE: 9 PSIG
 ANALYSIS DATE: 05/13/2021
 ANALYSIS TIME: 12:05:00 AM
 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 263; BHD
Stn. No.: 3004520277
Mtr. No.:

BRADENHEAD

05/17/2021
69350-10370

Smpl Date: 05/06/2021
Test Date: 05/13/2021
Run No: SB2021072

Nitrogen: 41.9018
CO2: 0.1975
Methane: 45.1327
Ethane: 1.2415
Propane: 0.1693
I-Butane: 0.0000
N-Butane: 0.0000
I-Pentane: 0.0000
N-Pentane: 0.0000
Hexane+: 11.3572

BTU: 1088.2
GPM: 17.8160
SPG: 1.0540



Well Name: GCU 263; CSG

API #: 3004520277

Source: CASING

Sample Type: GAS

Analysis No: SB2021073

Cust No: 69350-10375

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU 263; CSG
 County/State: LA PLATA CO
 Location:
 Lease/PA/CA: NMNM78391C
 Formation:
 Cust. Stn. No.: 3004520277

Source: CASING
 Well Flowing: Y
 Pressure: 42 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 73 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/06/2021
 Sample Time: 12.50 PM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3140	0.2712	0.0350	0.00	0.0030
CO2	1.3414	1.1585	0.2300	0.00	0.0204
Methane	75.9457	65.5918	12.9370	767.05	0.4207
Ethane	8.8389	7.6339	2.3750	156.42	0.0918
Propane	4.9345	4.2618	1.3660	124.16	0.0751
Iso-Butane	0.9478	0.8186	0.3120	30.82	0.0190
N-Butane	2.1030	1.8163	0.6660	68.61	0.0422
I-Pentane	1.1540	0.9967	0.4240	46.17	0.0287
N-Pentane	1.2915	1.1154	0.4700	51.77	0.0322
Hexane Plus	3.1292	2.7026	1.4020	164.94	0.1036
Total	100.0000	86.3668	20.2170	1409.94	0.8367

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0051
 BTU/CU.FT IDEAL: 1413.2
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1420.4
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1395.7
 DRY BTU @ 15.025: 1448.8
 REAL SPECIFIC GRAVITY: 0.8406

CYLINDER #: 058
 CYLINDER PRESSURE: 40 PSIG
 ANALYSIS DATE: 05/14/2021
 ANALYSIS TIME: 02:02:00 PM
 ANALYSIS RUN BY: RICHARD WILSON

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 263; CSG	CASING	05/17/2021
Stn. No.:	3004520277		69350-10375
Mtr. No.:			

Smpl Date: 05/06/2021
Test Date: 05/14/2021
Run No: SB2021073

Nitrogen: 0.3140
CO2: 1.3414
Methane: 75.9457
Ethane: 8.8389
Propane: 4.9345
I-Butane: 0.9478
N-Butane: 2.1030
I-Pentane: 1.1540
N-Pentane: 1.2915
Hexane+: 3.1292

BTU: 1420.4
GPM: 20.2170
SPG: 0.8406



Well Name: GCU 263; TBG

API #: 3004520277

Source: TUBING

Sample Type: GAS

Analysis No: SB2021074

Cust No: 69350-10380

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU 263; TBG
 County/State: LA PLATA CO
 Location:
 Lease/PA/CA: NMNM78391C
 Formation:
 Cust. Stn. No.: 3004520277

Source: TUBING
 Well Flowing: Y
 Pressure: 43 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 73 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/06/2021
 Sample Time: 12.47 PM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.6894	0.6796	0.0760	0.00	0.0067
CO2	1.5941	1.5715	0.2730	0.00	0.0242
Methane	80.4651	79.3234	13.6870	812.70	0.4457
Ethane	8.9530	8.8260	2.4020	158.44	0.0930
Propane	4.3794	4.3173	1.2110	110.19	0.0667
Iso-Butane	0.7610	0.7502	0.2500	24.75	0.0153
N-Butane	1.3658	1.3464	0.4320	44.56	0.0274
I-Pentane	0.4387	0.4325	0.1610	17.55	0.0109
N-Pentane	0.3756	0.3703	0.1370	15.06	0.0094
Hexane Plus	0.9779	0.9640	0.4380	51.55	0.0324
Total	100.0000	98.5812	19.0670	1234.79	0.7315

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0036
 BTU/CU.FT IDEAL: 1237.6
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1242.1
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1220.5
 DRY BTU @ 15.025: 1267.0
 REAL SPECIFIC GRAVITY: 0.7339

CYLINDER #: 102
 CYLINDER PRESSURE: 40 PSIG
 ANALYSIS DATE: 05/14/2021
 ANALYSIS TIME: 04:45:00 AM
 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 263; TBG
Stn. No.: 3004520277
Mtr. No.:

TUBING

05/17/2021
69350-10380

Smpl Date: 05/06/2021
Test Date: 05/14/2021
Run No: SB2021074

Nitrogen: 0.6894
CO2: 1.5941
Methane: 80.4651
Ethane: 8.9530
Propane: 4.3794
I-Butane: 0.7610
N-Butane: 1.3658
I-Pentane: 0.4387
N-Pentane: 0.3756
Hexane+: 0.9779

BTU: 1242.1
GPM: 19.0670
SPG: 0.7339

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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 30437

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 30437
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

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