



Well Name: GCU 134; BHD

API #: 3004508225

Source: BRADENHEAD

Sample Type: GAS

Analysis No: SB2021069

Cust No: 69350-10340

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU 134; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: NMNM78391C
 Formation:
 Cust. Stn. No.: 3004508225

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 45 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 72 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/06/2021
 Sample Time: 1.42 PM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4266	0.3132	0.0470	0.00	0.0041
CO2	0.0048	0.0035	0.0010	0.00	0.0001
Methane	92.4208	67.8553	15.7020	933.45	0.5119
Ethane	5.3411	3.9214	1.4310	94.52	0.0555
Propane	1.2939	0.9500	0.3570	32.56	0.0197
Iso-Butane	0.1362	0.1000	0.0450	4.43	0.0027
N-Butane	0.1664	0.1222	0.0530	5.43	0.0033
I-Pentane	0.0454	0.0333	0.0170	1.82	0.0011
N-Pentane	0.0275	0.0202	0.0100	1.10	0.0007
Hexane Plus	0.1373	0.1008	0.0610	7.24	0.0045
Total	100.0000	73.4199	17.7240	1080.54	0.6037

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0024
 BTU/CU.FT IDEAL: 1083.0
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1085.6
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1066.7
 DRY BTU @ 15.025: 1107.3
 REAL SPECIFIC GRAVITY: 0.6049

CYLINDER #: 60
 CYLINDER PRESSURE: 34 PSIG
 ANALYSIS DATE: 05/13/2021
 ANALYSIS TIME: 01:28:36 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 134; BHD
Stn. No.: 3004508225
Mtr. No.:

BRADENHEAD

05/17/2021
69350-10340

Smpl Date: 05/06/2021
Test Date: 05/13/2021
Run No: SB2021069

Nitrogen: 0.4266
CO2: 0.0048
Methane: 92.4208
Ethane: 5.3411
Propane: 1.2939
I-Butane: 0.1362
N-Butane: 0.1664
I-Pentane: 0.0454
N-Pentane: 0.0275
Hexane+: 0.1373

BTU: 1085.6
GPM: 17.7240
SPG: 0.6049



Well Name: GCU 134; CSG

API #: 3004508225

Source: CASING

Sample Type: GAS

Analysis No: SB2021070

Cust No: 69350-10345

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU 134; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: NMNM78391C
 Formation:
 Cust. Stn. No.: 3004508225

Source: CASING
 Well Flowing: Y
 Pressure: 108 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 72 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/06/2021
 Sample Time: 1.39 PM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3562	0.3498	0.0390	0.00	0.0034
CO2	1.4599	1.4338	0.2500	0.00	0.0222
Methane	83.7980	82.2984	14.2510	846.36	0.4642
Ethane	7.6104	7.4742	2.0420	134.68	0.0790
Propane	3.2727	3.2141	0.9040	82.34	0.0498
Iso-Butane	0.5983	0.5876	0.1960	19.46	0.0120
N-Butane	1.0573	1.0384	0.3340	34.49	0.0212
I-Pentane	0.3670	0.3604	0.1350	14.68	0.0091
N-Pentane	0.3423	0.3362	0.1240	13.72	0.0085
Hexane Plus	1.1379	1.1175	0.5090	59.98	0.0377
Total	100.0000	98.2104	18.7840	1205.72	0.7072

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0034
 BTU/CU.FT IDEAL: 1208.5
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1212.6
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1191.5
 DRY BTU @ 15.025: 1236.9
 REAL SPECIFIC GRAVITY: 0.7093

CYLINDER #: 577
 CYLINDER PRESSURE: 94 PSIG
 ANALYSIS DATE: 05/13/2021
 ANALYSIS TIME: 01:52:41 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 134; CSG
Stn. No.: 3004508225
Mtr. No.:

CASING

05/17/2021
69350-10345

Smpl Date: 05/06/2021
Test Date: 05/13/2021
Run No: SB2021070

Nitrogen: 0.3562
CO2: 1.4599
Methane: 83.7980
Ethane: 7.6104
Propane: 3.2727
I-Butane: 0.5983
N-Butane: 1.0573
I-Pentane: 0.3670
N-Pentane: 0.3423
Hexane+: 1.1379

BTU: 1212.6
GPM: 18.7840
SPG: 0.7093



Well Name: GCU 134; TBG

API #: 3004508225

Source: TUBING

Sample Type: GAS

Analysis No: SB2021071

Cust No: 69350-10350

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU 134; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: NMNM78391C
 Formation:
 Cust. Stn. No.: 3004508225

Source: TUBING
 Well Flowing: Y
 Pressure: 108 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 72 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/06/2021
 Sample Time: 1.36 PM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4158	0.4102	0.0460	0.00	0.0040
CO2	1.2831	1.2658	0.2200	0.00	0.0195
Methane	83.4406	82.3170	14.1900	842.75	0.4622
Ethane	7.6618	7.5586	2.0550	135.59	0.0795
Propane	3.5975	3.5491	0.9940	90.52	0.0548
Iso-Butane	0.6743	0.6652	0.2210	21.93	0.0135
N-Butane	1.2328	1.2162	0.3900	40.22	0.0247
I-Pentane	0.3914	0.3861	0.1440	15.66	0.0098
N-Pentane	0.3938	0.3885	0.1430	15.79	0.0098
Hexane Plus	0.9089	0.8967	0.4070	47.91	0.0301
Total	100.0000	98.6534	18.8100	1210.36	0.7079

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0034
 BTU/CU.FT IDEAL: 1213.2
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1217.3
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1196.1
 DRY BTU @ 15.025: 1241.7
 REAL SPECIFIC GRAVITY: 0.7101

CYLINDER #: 9
 CYLINDER PRESSURE: 102 PSIG
 ANALYSIS DATE: 05/13/2021
 ANALYSIS TIME: 02:10:47 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 134; TBG
Stn. No.: 3004508225
Mtr. No.:

TUBING

05/17/2021
69350-10350

Smpl Date: 05/06/2021
Test Date: 05/13/2021
Run No: SB2021071

Nitrogen: 0.4158
CO2: 1.2831
Methane: 83.4406
Ethane: 7.6618
Propane: 3.5975
I-Butane: 0.6743
N-Butane: 1.2328
I-Pentane: 0.3914
N-Pentane: 0.3938
Hexane+: 0.9089

BTU: 1217.3
GPM: 18.8100
SPG: 0.7101

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

CONDITIONS

Action 30434

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 30434
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

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