



Well Name: GCU B 143; BHD
 API #: API # 3004507857
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: SB2021045
 Cust No: 69350-10220

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU B 143; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: FEE
 Formation:
 Cust. Stn. No.: API # 3004507857

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 20 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 60 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/27/2021
 Sample Time: 9.38 AM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4981	0.4508	0.0550	0.00	0.0048
CO2	0.0206	0.0186	0.0040	0.00	0.0003
Methane	91.3656	82.6831	15.5260	922.79	0.5061
Ethane	5.0143	4.5378	1.3440	88.74	0.0521
Propane	1.6636	1.5055	0.4590	41.86	0.0253
Iso-Butane	0.3024	0.2737	0.0990	9.83	0.0061
N-Butane	0.3101	0.2806	0.0980	10.12	0.0062
I-Pentane	0.1779	0.1610	0.0650	7.12	0.0044
N-Pentane	0.0527	0.0477	0.0190	2.11	0.0013
Hexane Plus	0.5947	0.5382	0.2660	31.35	0.0197
Total	100.0000	90.4970	17.9350	1113.92	0.6263

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0026
 BTU/CU.FT IDEAL: 1116.5
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1119.4
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1099.9
 DRY BTU @ 15.025: 1141.8
 REAL SPECIFIC GRAVITY: 0.6277

CYLINDER #: 100
 CYLINDER PRESSURE: 21 PSIG
 ANALYSIS DATE: 06/01/2021
 ANALYSIS TIME: 04:21:33 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 B 143; BHD	BRADENHEAD	06/01/2021
Stn. No.:	API # 3004507857		69350-10220
Mtr. No.:			

Smpl Date: 05/27/2021
Test Date: 06/01/2021
Run No: SB2021045

Nitrogen: 0.4981
CO2: 0.0206
Methane: 91.3656
Ethane: 5.0143
Propane: 1.6636
I-Butane: 0.3024
N-Butane: 0.3101
I-Pentane: 0.1779
N-Pentane: 0.0527
Hexane+: 0.5947

BTU: 1119.4
GPM: 17.9350
SPG: 0.6277



Well Name: GCU B 143; CSG
 API #: API # 3004507857
 Source: CASING
 Sample Type: GAS
 Analysis No: SB2021046
 Cust No: 69350-10225

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU B 143; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: FEE
 Formation:
 Cust. Stn. No.: API # 3004507857

Source: CASING
 Well Flowing: Y
 Pressure: 38 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 60 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/27/2021
 Sample Time: 9.33 AM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4518	0.4402	0.0500	0.00	0.0044
CO2	1.1254	1.0966	0.1930	0.00	0.0171
Methane	81.0377	78.9632	13.7860	818.48	0.4489
Ethane	9.1194	8.8860	2.4470	161.39	0.0947
Propane	4.1282	4.0225	1.1410	103.87	0.0629
Iso-Butane	0.7017	0.6837	0.2300	22.82	0.0141
N-Butane	1.1994	1.1687	0.3790	39.13	0.0241
I-Pentane	0.4663	0.4544	0.1710	18.66	0.0116
N-Pentane	0.3724	0.3629	0.1350	14.93	0.0093
Hexane Plus	1.3977	1.3619	0.6250	73.67	0.0463
Total	100.0000	97.4401	19.1570	1252.94	0.7332

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0037
 BTU/CU.FT IDEAL: 1255.8
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1260.5
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1238.6
 DRY BTU @ 15.025: 1285.7
 REAL SPECIFIC GRAVITY: 0.7356

CYLINDER #: 590
 CYLINDER PRESSURE: 38 PSIG
 ANALYSIS DATE: 05/10/2021
 ANALYSIS TIME: 03:40:20 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 B 143; CSG
Stn. No.: API # 3004507857
Mtr. No.:

CASING

05/17/2021
69350-10225

Smpl Date: 05/27/2021
Test Date: 06/01/2021
Run No: SB2021046

Nitrogen: 0.4518
CO2: 1.1254
Methane: 81.0377
Ethane: 9.1194
Propane: 4.1282
I-Butane: 0.7017
N-Butane: 1.1994
I-Pentane: 0.4663
N-Pentane: 0.3724
Hexane+: 1.3977

BTU: 1260.5
GPM: 19.1570
SPG: 0.7356



Well Name: GCU B 143; TBG
 API #: API # 3004507857
 Source: TUBING
 Sample Type: GAS
 Analysis No: SB2021047
 Cust No: 69350-10230

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU B 143; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: FEE
 Formation:
 Cust. Stn. No.: API # 3004507857

Source: TUBING
 Well Flowing: Y
 Pressure: 38 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 60 DEG. F
 Flow Rate: MCF/D
 Sample Method:
 Sample Date: 06/01/2021
 Sample Time: 9.30 AM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4889	0.4750	0.0540	0.00	0.0047
CO2	1.2439	1.2086	0.2130	0.00	0.0189
Methane	83.9822	81.6012	14.2780	848.22	0.4652
Ethane	9.2933	9.0298	2.4920	164.46	0.0965
Propane	3.0974	3.0096	0.8560	77.93	0.0472
Iso-Butane	0.4304	0.4182	0.1410	14.00	0.0086
N-Butane	0.5940	0.5772	0.1880	19.38	0.0119
I-Pentane	0.1748	0.1698	0.0640	6.99	0.0044
N-Pentane	0.1254	0.1218	0.0460	5.03	0.0031
Hexane Plus	0.5697	0.5535	0.2550	30.03	0.0189
Total	100.0000	97.1647	18.5870	1166.04	0.6793

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031
 BTU/CU.FT IDEAL: 1168.7
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1172.4
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1152.0
 DRY BTU @ 15.025: 1195.9
 REAL SPECIFIC GRAVITY: 0.6812

CYLINDER #: 062
 CYLINDER PRESSURE: 40 PSIG
 ANALYSIS DATE: 06/01/2021
 ANALYSIS TIME: 04:36:57 AM
 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 B 143; TBG	TUBING	05/17/2021
Stn. No.:	API # 3004507857		69350-10230
Mtr. No.:			

Smpl Date: 05/27/2021
Test Date: 06/01/2021
Run No: SB2021047

Nitrogen: 0.4889
CO2: 1.2439
Methane: 83.9822
Ethane: 9.2933
Propane: 3.0974
I-Butane: 0.4304
N-Butane: 0.5940
I-Pentane: 0.1748
N-Pentane: 0.1254
Hexane+: 0.5697

BTU: 1172.4
GPM: 18.5870
SPG: 0.6812

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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 30342

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 30342
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	None	6/18/2021