



Well Name: GCU 208; BHD
 API #: 3004511589
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: SB20240043
 Cust No: 69350-10845

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU 208; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004511589
 75314

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 31 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 71 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 07/24/2024
 Sample Time: 7.52 AM
 Sampled By: KRYN BERGIN
 Sampled by (CO): ABC

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.9162	0.9114	0.1010	0.00	0.0089
CO2	0.0071	0.0071	0.0010	0.00	0.0001
Methane	89.3799	88.9130	15.1900	902.74	0.4951
Ethane	5.7204	5.6905	1.5340	101.23	0.0594
Propane	2.3605	2.3482	0.6520	59.39	0.0359
Iso-Butane	0.5734	0.5704	0.1880	18.65	0.0115
N-Butane	0.6358	0.6325	0.2010	20.74	0.0128
I-Pentane	0.1773	0.1764	0.0650	7.09	0.0044
N-Pentane	0.0871	0.0866	0.0320	3.49	0.0022
Hexane Plus	0.1423	0.1416	0.0640	7.50	0.0047
Total	100.0000	99.4777	18.0280	1120.84	0.6349

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0027
 BTU/CU.FT IDEAL: 1123.4
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1126.5
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1106.9
 DRY BTU @ 15.025: 1149.1
 REAL SPECIFIC GRAVITY: 0.6364

CYLINDER #: 1130
 CYLINDER PRESSURE: 32 PSIG
 ANALYSIS DATE: 07/30/2024
 ANALYSIS TIME: 03:52:18 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: 08/01/2024

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: GCU 208; BHD
Stn. No.: 3004511589
Mtr. No.: 75314

BRADENHEAD

08/01/2024
69350-10845

Smpl Date: 07/24/2024
Test Date: 07/30/2024
Run No: SB20240043

Nitrogen: 0.9162
CO2: 0.0071
Methane: 89.3799
Ethane: 5.7204
Propane: 2.3605
I-Butane: 0.5734
N-Butane: 0.6358
I-Pentane: 0.1773
N-Pentane: 0.0871
Hexane+: 0.1423

BTU: 1126.5
GPM: 18.0280
SPG: 0.6364



Well Name: GCU 208; CSG
 API #: 3004511589
 Source: CASING
 Sample Type: GAS
 Analysis No: SB20240044
 Cust No: 69350-10850

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU 208; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004511589
 75314

Source: CASING
 Well Flowing: Y
 Pressure: 26 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 71 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 07/24/2024
 Sample Time: 8.01 AM
 Sampled By: KRYSS BERGIN
 Sampled by (CO): ABC

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3354	0.3361	0.0370	0.00	0.0032
CO2	0.9080	0.9100	0.1560	0.00	0.0138
Methane	63.7615	63.9006	10.8710	643.99	0.3532
Ethane	16.3378	16.3735	4.3940	289.13	0.1696
Propane	10.5550	10.5781	2.9240	265.57	0.1607
Iso-Butane	1.1688	1.1714	0.3850	38.01	0.0235
N-Butane	3.3460	3.3533	1.0610	109.16	0.0671
I-Pentane	0.8117	0.8135	0.2990	32.48	0.0202
N-Pentane	0.8530	0.8549	0.3110	34.19	0.0212
Hexane Plus	1.9228	1.9270	0.8620	101.35	0.0636
Total	100.0000	100.2184	21.3000	1513.88	0.8962

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0059
 BTU/CU.FT IDEAL: 1517.4
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1526.4
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1499.8
 DRY BTU @ 15.025: 1557.0
 REAL SPECIFIC GRAVITY: 0.9012

CYLINDER #: 9009
 CYLINDER PRESSURE: 22 PSIG
 ANALYSIS DATE: 07/30/2024
 ANALYSIS TIME: 04:10:09 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: 08/01/2024

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: GCU 208; CSG
Stn. No.: 3004511589
Mtr. No.: 75314

CASING

08/01/2024
69350-10850

Smpl Date: 07/24/2024
Test Date: 07/30/2024
Run No: SB20240044

Nitrogen: 0.3354
CO2: 0.9080
Methane: 63.7615
Ethane: 16.3378
Propane: 10.5550
I-Butane: 1.1688
N-Butane: 3.3460
I-Pentane: 0.8117
N-Pentane: 0.8530
Hexane+: 1.9228

BTU: 1526.4
GPM: 21.3000
SPG: 0.9012



Well Name: GCU 208; TBG
 API #: 3004511589
 Source: TUBING
 Sample Type: GAS
 Analysis No: SB20240045
 Cust No: 69350-10855

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU 208; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004511589
 75314

Source: TUBING
 Well Flowing: Y
 Pressure: 20 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 71 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 07/24/2024
 Sample Time: 8.04 AM
 Sampled By: KRYN BERGIN
 Sampled by (CO): ABC

Heat Trace:
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.7841	0.7792	0.0860	0.00	0.0076
CO2	0.3688	0.3665	0.0630	0.00	0.0056
Methane	88.9511	88.3989	15.1180	898.41	0.4927
Ethane	6.2638	6.2249	1.6790	110.85	0.0650
Propane	1.7329	1.7221	0.4790	43.60	0.0264
Iso-Butane	0.3111	0.3092	0.1020	10.12	0.0062
N-Butane	0.4865	0.4835	0.1540	15.87	0.0098
I-Pentane	0.1902	0.1890	0.0700	7.61	0.0047
N-Pentane	0.1383	0.1374	0.0500	5.54	0.0034
Hexane Plus	0.7732	0.7684	0.3460	40.76	0.0256
Total	100.0000	99.3791	18.1470	1132.76	0.6471

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0028
 BTU/CU.FT IDEAL: 1135.4
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1138.6
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1118.8
 DRY BTU @ 15.025: 1161.4
 REAL SPECIFIC GRAVITY: 0.6486

CYLINDER #: 2088
 CYLINDER PRESSURE: 22 PSIG
 ANALYSIS DATE: 07/30/2024
 ANALYSIS TIME: 04:01:29 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: 08/01/2024

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: GCU 208; TBG
Stn. No.: 3004511589
Mtr. No.: 75314

TUBING

08/01/2024
69350-10855

Smpl Date: 07/24/2024
Test Date: 07/30/2024
Run No: SB20240045

Nitrogen: 0.7841
CO2: 0.3688
Methane: 88.9511
Ethane: 6.2638
Propane: 1.7329
I-Butane: 0.3111
N-Butane: 0.4865
I-Pentane: 0.1902
N-Pentane: 0.1383
Hexane+: 0.7732

BTU: 1138.6
GPM: 18.1470
SPG: 0.6486

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
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 391514

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 391514
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	bradenhead and tubing are similar gas	10/17/2024