



Well Name: SCHWERDTFEGER A LS 25;
 API #: 3004533226
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: SB2021106
 Cust No: 69350-10525

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: SCHWERDTFEGER A LS 25; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004533226

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: PSIG
 Flow Temp: DEG. F
 Ambient Temp: 95 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 07/02/2021
 Sample Time: 3.18 PM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	3.6888	3.6385	0.4070	0.00	0.0357
CO2	0.0018	0.0018	0.0000	0.00	0.0000
Methane	83.2805	82.1455	14.1570	841.13	0.4613
Ethane	5.5542	5.4785	1.4890	98.29	0.0577
Propane	4.1852	4.1282	1.1560	105.30	0.0637
Iso-Butane	1.1492	1.1335	0.3770	37.37	0.0231
N-Butane	1.1470	1.1314	0.3630	37.42	0.0230
I-Pentane	0.3841	0.3789	0.1410	15.37	0.0096
N-Pentane	0.2622	0.2586	0.0950	10.51	0.0065
Hexane Plus	0.3470	0.3423	0.1550	18.29	0.0115
Total	100.0000	98.6372	18.3400	1163.69	0.6920

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.003
 BTU/CU.FT IDEAL: 1166.4
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1169.9
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1149.5
 DRY BTU @ 15.025: 1193.3
 REAL SPECIFIC GRAVITY: 0.6938

CYLINDER #: 057
 CYLINDER PRESSURE: 66 PSIG
 ANALYSIS DATE: 07/13/2021
 ANALYSIS TIME: 09:44:32 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: 07/15/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: SCHWERTFEGER A LS 25; BHD BRADENHEAD 07/15/2021
Stn. No.: 3004533226 69350-10525
Mtr. No.:

Smpl Date: 07/02/2021
Test Date: 07/13/2021
Run No: SB2021106

Nitrogen: 3.6888
CO2: 0.0018
Methane: 83.2805
Ethane: 5.5542
Propane: 4.1852
I-Butane: 1.1492
N-Butane: 1.1470
I-Pentane: 0.3841
N-Pentane: 0.2622
Hexane+: 0.3470

BTU: 1169.9
GPM: 18.3400
SPG: 0.6938



Well Name: SCHWERDTFEGER A LS 25;
 API #: 3004533226
 Source: CASING
 Sample Type: GAS
 Analysis No: SB2021107
 Cust No: 69350-10530

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: SCHWERDTFEGER A LS 25; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004533226

Source: CASING
 Well Flowing: Y
 Pressure: PSIG
 Flow Temp: DEG. F
 Ambient Temp: 95 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 07/02/2021
 Sample Time: 3.21 PM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N

Remarks: PRESSURED WITH HELIUM TO 30 LBS.

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1019	0.0563	0.0110	0.00	0.0010
CO2	0.6823	0.3770	0.1170	0.00	0.0104
Methane	89.3892	49.3898	15.1910	902.83	0.4951
Ethane	6.3405	3.5033	1.7000	112.21	0.0658
Propane	2.1431	1.1841	0.5920	53.92	0.0326
Iso-Butane	0.3935	0.2174	0.1290	12.80	0.0079
N-Butane	0.3790	0.2094	0.1200	12.36	0.0076
I-Pentane	0.1220	0.0674	0.0450	4.88	0.0030
N-Pentane	0.0740	0.0409	0.0270	2.97	0.0018
Hexane Plus	0.3745	0.2069	0.1670	19.74	0.0124
Total	100.0000	55.2525	18.0990	1121.71	0.6377

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0027
 BTU/CU.FT IDEAL: 1124.3
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1127.3
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1107.7
 DRY BTU @ 15.025: 1149.9
 REAL SPECIFIC GRAVITY: 0.6392

CYLINDER #: 140
 CYLINDER PRESSURE: 11 PSIG
 ANALYSIS DATE: 07/13/2021
 ANALYSIS TIME: 09:28:30 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: 07/15/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: SCHWERDTFEGER A LS 25; CSG CASING 07/15/2021
Stn. No.: 3004533226 69350-10530
Mtr. No.:

Smpl Date: 07/02/2021
Test Date: 07/13/2021
Run No: SB2021107

Nitrogen: 0.1019
CO2: 0.6823
Methane: 89.3892
Ethane: 6.3405
Propane: 2.1431
I-Butane: 0.3935
N-Butane: 0.3790
I-Pentane: 0.1220
N-Pentane: 0.0740
Hexane+: 0.3745

BTU: 1127.3
GPM: 18.0990
SPG: 0.6392



Well Name: SCHWERDTFEGER A LS 25;
 API #: 3004533226
 Source: TUBING
 Sample Type: GAS
 Analysis No: SB2021108
 Cust No: 69350-10535

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: SCHWERDTFEGER A LS 25; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004533226

Source: TUBING
 Well Flowing: Y
 Pressure: PSIG
 Flow Temp: DEG. F
 Ambient Temp: 95 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 07/02/2021
 Sample Time: 3.23 PM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N

Remarks: PRESSURED WITH HELIUM TO 30 LBS.

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1918	0.1007	0.0210	0.00	0.0019
CO2	0.6932	0.3640	0.1190	0.00	0.0105
Methane	87.6216	46.0092	14.8970	884.98	0.4853
Ethane	5.9999	3.1505	1.6090	106.18	0.0623
Propane	2.6373	1.3848	0.7290	66.36	0.0402
Iso-Butane	0.5332	0.2800	0.1750	17.34	0.0107
N-Butane	0.7633	0.4008	0.2410	24.90	0.0153
I-Pentane	0.2801	0.1471	0.1030	11.21	0.0070
N-Pentane	0.2095	0.1100	0.0760	8.40	0.0052
Hexane Plus	1.0701	0.5619	0.4790	56.41	0.0354
Total	100.0000	52.5090	18.4490	1175.77	0.6738

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031
 BTU/CU.FT IDEAL: 1178.5
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1182.2
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1161.6
 DRY BTU @ 15.025: 1205.9
 REAL SPECIFIC GRAVITY: 0.6756

CYLINDER #: 0039
 CYLINDER PRESSURE: 9 PSIG
 ANALYSIS DATE: 07/13/2021
 ANALYSIS TIME: 10:03:04 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: 07/15/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease:	SCHWERDTFEGER A LS 25; TBG	TUBING	07/15/2021
Stn. No.:	3004533226		69350-10535
Mtr. No.:			

Smpl Date:	07/02/2021
Test Date:	07/13/2021
Run No:	SB2021108

Nitrogen:	0.1918
CO2:	0.6932
Methane:	87.6216
Ethane:	5.9999
Propane:	2.6373
I-Butane:	0.5332
N-Butane:	0.7633
I-Pentane:	0.2801
N-Pentane:	0.2095
Hexane+:	1.0701

BTU:	1182.2
GPM:	18.4490
SPG:	0.6756

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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 37229

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 37229
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	None	8/3/2021