



Well Name: SCHWERDTFEGER A LS 25;
 API #: 3004533226
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: SB20240130
 Cust No: 69350-10525

Well/Lease Information

Customer Name:	SIMCOE SOUTH BHD	Source:	BRADENHEAD
Well Name:	SCHWERDTFEGER A LS 25; BHD	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	65 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	74 DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	3004533226	Sample Method:	Purge & Fill
		Sample Date:	10/23/2024
		Sample Time:	2.05 PM
		Sampled By:	HEATHER
		Sampled by (CO):	ABC

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	3.5983	3.5961	0.3970	0.00	0.0348
CO2	0.0055	0.0055	0.0010	0.00	0.0001
Methane	83.7399	83.6895	14.2350	845.77	0.4638
Ethane	5.3958	5.3925	1.4470	95.49	0.0560
Propane	4.0225	4.0201	1.1110	101.21	0.0612
Iso-Butane	1.1280	1.1273	0.3700	36.68	0.0226
N-Butane	1.1190	1.1183	0.3540	36.51	0.0225
I-Pentane	0.3814	0.3812	0.1400	15.26	0.0095
N-Pentane	0.2594	0.2592	0.0940	10.40	0.0065
Hexane Plus	0.3502	0.3500	0.1570	18.46	0.0116
Total	100.0000	99.9397	18.3060	1159.78	0.6886

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.003	CYLINDER #:	1405
BTU/CU.FT IDEAL:	1162.5	CYLINDER PRESSURE:	65 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1166.0	ANALYSIS DATE:	11/01/2024
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1145.7	ANALYSIS TIME:	01:54:20 PM
DRY BTU @ 15.025:	1189.4	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.6904		

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: 11/06/2024

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease:	SCHWERDTFEGER A LS 25; BHD	BRADENHEAD	11/06/2024
Stn. No.:	3004533226		69350-10525
Mtr. No.:			

Smpl Date:	10/23/2024	07/02/2021
Test Date:	11/01/2024	07/13/2021
Run No:	SB20240130	SB2021106
Nitrogen:	3.5983	3.6888
CO2:	0.0055	0.0018
Methane:	83.7399	83.2805
Ethane:	5.3958	5.5542
Propane:	4.0225	4.1852
I-Butane:	1.1280	1.1492
N-Butane:	1.1190	1.1470
I-Pentane:	0.3814	0.3841
N-Pentane:	0.2594	0.2622
Hexane+:	0.3502	0.3470
BTU:	1166.0	1169.9
GPM:	18.3060	18.3400
SPG:	0.6904	0.6938



Well Name: SCHWERDTFEGER A LS 25;
 API #: 3004533226
 Source: CASING
 Sample Type: GAS
 Analysis No: SB20240131
 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: 15 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 74 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 10/23/2024
 Sample Time: 2.08 PM
 Sampled By: HEATHER
 Sampled by (CO): ABC

Heat Trace: N

Remarks: PRESSURED WITH HELIUM TO 30 LBS.

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.0954	0.0564	0.0110	0.00	0.0009
CO2	0.6381	0.3773	0.1090	0.00	0.0097
Methane	90.0441	53.2420	15.3010	909.45	0.4988
Ethane	6.0904	3.6012	1.6330	107.78	0.0632
Propane	2.0215	1.1953	0.5580	50.86	0.0308
Iso-Butane	0.3448	0.2039	0.1130	11.21	0.0069
N-Butane	0.2990	0.1768	0.0940	9.75	0.0060
I-Pentane	0.1035	0.0612	0.0380	4.14	0.0026
N-Pentane	0.0424	0.0251	0.0150	1.70	0.0011
Hexane Plus	0.3208	0.1897	0.1430	16.91	0.0106
Total	100.0000	59.1289	18.0150	1111.81	0.6306

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0026
 BTU/CU.FT IDEAL: 1114.4
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1117.3
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1097.9
 DRY BTU @ 15.025: 1139.7
 REAL SPECIFIC GRAVITY: 0.6319

CYLINDER #: 1411
 CYLINDER PRESSURE: PSIG
 ANALYSIS DATE: 11/01/2024
 ANALYSIS TIME: 01:37:36 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: 11/06/2024

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease:	SCHWERDTFEGER A LS 25; CSG	CASING	11/06/2024
Stn. No.:	3004533226		69350-10530
Mtr. No.:			

Smpl Date:	10/23/2024	07/02/2021
Test Date:	11/01/2024	07/13/2021
Run No:	SB20240131	SB2021107
Nitrogen:	0.0954	0.1019
CO2:	0.6381	0.6823
Methane:	90.0441	89.3892
Ethane:	6.0904	6.3405
Propane:	2.0215	2.1431
I-Butane:	0.3448	0.3935
N-Butane:	0.2990	0.3790
I-Pentane:	0.1035	0.1220
N-Pentane:	0.0424	0.0740
Hexane+:	0.3208	0.3745
BTU:	1117.3	1127.3
GPM:	18.0150	18.0990
SPG:	0.6319	0.6392



Well Name: SCHWERDTFEGER A LS 25;
 API #: 3004533226
 Source: TUBING
 Sample Type: GAS
 Analysis No: SB20240132
 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: 15 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 74 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 10/23/2024
 Sample Time: 2.12 PM
 Sampled By: HEATHER
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1741	0.1720	0.0190	0.00	0.0017
CO2	0.7484	0.7392	0.1280	0.00	0.0114
Methane	87.7292	86.6551	14.9140	886.06	0.4859
Ethane	6.0153	5.9416	1.6130	106.45	0.0625
Propane	2.6610	2.6284	0.7350	66.95	0.0405
Iso-Butane	0.5187	0.5123	0.1700	16.87	0.0104
N-Butane	0.7538	0.7446	0.2380	24.59	0.0151
I-Pentane	0.2998	0.2961	0.1100	11.99	0.0075
N-Pentane	0.2231	0.2204	0.0810	8.94	0.0056
Hexane Plus	0.8766	0.8659	0.3920	46.21	0.0290
Total	100.0000	98.7756	18.4000	1168.07	0.6695

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.003	CYLINDER #:	2110
BTU/CU.FT IDEAL:	1170.8	CYLINDER PRESSURE:	15 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1174.3	ANALYSIS DATE:	11/01/2024
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1153.9	ANALYSIS TIME:	02:00:51 PM
DRY BTU @ 15.025:	1197.8	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.6713		

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: 11/06/2024

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease:	SCHWERDTFEGER A LS 25; TBG	TUBING	11/06/2024
Stn. No.:	3004533226		69350-10535
Mtr. No.:			

Smpl Date:	10/23/2024	07/02/2021
Test Date:	11/01/2024	07/13/2021
Run No:	SB20240132	SB2021108
Nitrogen:	0.1741	0.1918
CO2:	0.7484	0.6932
Methane:	87.7292	87.6216
Ethane:	6.0153	5.9999
Propane:	2.6610	2.6373
I-Butane:	0.5187	0.5332
N-Butane:	0.7538	0.7633
I-Pentane:	0.2998	0.2801
N-Pentane:	0.2231	0.2095
Hexane+:	0.8766	1.0701
BTU:	1174.3	1182.2
GPM:	18.4000	18.4490
SPG:	0.6713	0.6756

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 400041

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 400041
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	does not appear to be same gas	11/27/2024