



Well Name: JOHNSON GC C 1E; BHD

API #: 3004524004

Source: BRADENHEAD

Sample Type: GAS

Analysis No: SB20240072

Cust No: 69350-10430

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: JOHNSON GC C 1E; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004524004

Source: BRADENHEAD
 Well Flowing: N
 Pressure: 93 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 55 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 09/24/2024
 Sample Time: 9.40 AM
 Sampled By: S.C.
 Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3047	0.3075	0.0340	0.00	0.0029
CO2	1.1075	1.1178	0.1900	0.00	0.0168
Methane	80.7217	81.4687	13.7320	815.29	0.4471
Ethane	9.2588	9.3445	2.4850	163.85	0.0961
Propane	4.6543	4.6974	1.2870	117.11	0.0709
Iso-Butane	0.6277	0.6335	0.2060	20.41	0.0126
N-Butane	1.4569	1.4704	0.4610	47.53	0.0292
I-Pentane	0.4242	0.4281	0.1560	16.97	0.0106
N-Pentane	0.3353	0.3384	0.1220	13.44	0.0084
Hexane Plus	1.1089	1.1192	0.4960	58.45	0.0367
Total	100.0000	100.9255	19.1690	1253.05	0.7313

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0037
 BTU/CU.FT IDEAL: 1256.0
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1260.6
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1238.7
 DRY BTU @ 15.025: 1285.8
 REAL SPECIFIC GRAVITY: 0.7338

CYLINDER #: 1094
 CYLINDER PRESSURE: 93 PSIG
 ANALYSIS DATE: 09/25/2024
 ANALYSIS TIME: 10:49:01 AM
 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: 09/25/2024

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: JOHNSON GC C 1E; BHD BRADENHEAD 09/25/2024
Stn. No.: 3004524004 69350-10430
Mtr. No.:

Smpl Date:	09/24/2024	04/16/2024	05/12/2021
Test Date:	09/25/2024	04/26/2024	05/19/2021
Run No:	SB20240072	SB20240026	SB2021087
Nitrogen:	0.3047	5.4275	0.2115
CO2:	1.1075	0.0108	0.0030
Methane:	80.7217	83.7535	87.0989
Ethane:	9.2588	6.2732	7.3879
Propane:	4.6543	2.4949	2.9756
I-Butane:	0.6277	0.4442	0.5204
N-Butane:	1.4569	0.6912	0.7991
I-Pentane:	0.4242	0.2564	0.2820
N-Pentane:	0.3353	0.1836	0.2087
Hexane+:	1.1089	0.4647	0.5129
BTU:	1260.6	1104.3	1181.2
GPM:	19.1690	17.9380	18.4650
SPG:	0.7338	0.6704	0.6639



Well Name: JOHNSON GC C 1E; CSG

API #: 3004524004

Source: CASING

Sample Type: GAS

Analysis No: SB20240073

Cust No: 69350-10435

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: JOHNSON GC C 1E; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004524004

Source: CASING
 Well Flowing: Y
 Pressure: 83 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 55 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 09/24/2024
 Sample Time: 9.42 AM
 Sampled By: S.C.
 Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3330	0.3364	0.0370	0.00	0.0032
CO2	1.1002	1.1113	0.1880	0.00	0.0167
Methane	80.7252	81.5382	13.7330	815.32	0.4471
Ethane	9.2580	9.3512	2.4840	163.84	0.0961
Propane	4.6527	4.6996	1.2860	117.07	0.0708
Iso-Butane	0.6266	0.6329	0.2060	20.38	0.0126
N-Butane	1.4561	1.4708	0.4610	47.50	0.0292
I-Pentane	0.4240	0.4283	0.1560	16.96	0.0106
N-Pentane	0.3403	0.3437	0.1240	13.64	0.0085
Hexane Plus	1.0839	1.0948	0.4850	57.13	0.0359
Total	100.0000	101.0072	19.1600	1251.85	0.7307

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0037
 BTU/CU.FT IDEAL: 1254.7
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1259.4
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1237.5
 DRY BTU @ 15.025: 1284.6
 REAL SPECIFIC GRAVITY: 0.7332

CYLINDER #: 2072
 CYLINDER PRESSURE: 81 PSIG
 ANALYSIS DATE: 09/25/2024
 ANALYSIS TIME: 10:40:26 AM
 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: 09/25/2024

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: JOHNSON GC C 1E; CSG
Stn. No.: 3004524004
Mtr. No.:

CASING

09/25/2024
69350-10435

Smpl Date:	09/24/2024	04/16/2024	05/12/2021
Test Date:	09/25/2024	04/26/2024	05/19/2021
Run No:	SB20240073	SB20240027	SB2021088
Nitrogen:	0.3330	0.3219	0.2989
CO2:	1.1002	1.1073	1.1286
Methane:	80.7252	80.4209	80.2246
Ethane:	9.2580	9.6204	9.4080
Propane:	4.6527	4.7429	4.6602
I-Butane:	0.6266	0.6306	0.6308
N-Butane:	1.4561	1.4521	1.4397
I-Pentane:	0.4240	0.4281	0.4288
N-Pentane:	0.3403	0.4163	0.4154
Hexane+:	1.0839	0.8595	1.3650
BTU:	1259.4	1256.3	1275.0
GPM:	19.1600	19.1590	19.2690
SPG:	0.7332	0.7311	0.7433



Well Name: JOHNSON GC C 1E; TBG

API #: 3004524004

Source: TUBING

Sample Type: GAS

Analysis No: SB20240074

Cust No: 69350-10440

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: JOHNSON GC C 1E; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004524004

Source: TUBING
 Well Flowing: Y
 Pressure: 83 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 55 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 09/24/2024
 Sample Time: 9.47 AM
 Sampled By: S.C.
 Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3057	0.3081	0.0340	0.00	0.0030
CO2	1.0980	1.1067	0.1880	0.00	0.0167
Methane	80.5538	81.1939	13.7050	813.59	0.4462
Ethane	9.2380	9.3114	2.4790	163.48	0.0959
Propane	4.6527	4.6897	1.2860	117.07	0.0708
Iso-Butane	0.6285	0.6335	0.2060	20.44	0.0126
N-Butane	1.4641	1.4757	0.4630	47.76	0.0294
I-Pentane	0.4327	0.4361	0.1590	17.31	0.0108
N-Pentane	0.3466	0.3494	0.1260	13.89	0.0086
Hexane Plus	1.2799	1.2901	0.5730	67.46	0.0424
Total	100.0000	100.7946	19.2190	1261.02	0.7363

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0038
 BTU/CU.FT IDEAL: 1263.9
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1268.8
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1246.7
 DRY BTU @ 15.025: 1294.2
 REAL SPECIFIC GRAVITY: 0.7389

CYLINDER #: 2109
 CYLINDER PRESSURE: 70 PSIG
 ANALYSIS DATE: 09/25/2024
 ANALYSIS TIME: 10:28:35 AM
 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: 09/25/2024

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: JOHNSON GC C 1E; TBG
Stn. No.: 3004524004
Mtr. No.:

TUBING

09/25/2024
69350-10440

Smpl Date:	09/24/2024	04/16/2024	05/12/2021
Test Date:	09/25/2024	04/26/2024	05/19/2021
Run No:	SB20240074	SB20240028	SB2021089
Nitrogen:	0.3057	0.3256	0.3037
CO2:	1.0980	1.1091	1.1330
Methane:	80.5538	80.4760	80.5355
Ethane:	9.2380	9.6177	9.4440
Propane:	4.6527	4.7365	4.6694
I-Butane:	0.6285	0.6312	0.6290
N-Butane:	1.4641	1.4526	1.4316
I-Pentane:	0.4327	0.4297	0.4164
N-Pentane:	0.3466	0.4196	0.3969
Hexane+:	1.2799	0.8020	1.0405
BTU:	1268.8	1253.8	1260.2
GPM:	19.2190	19.1410	19.1760
SPG:	0.7389	0.7296	0.7338

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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 395528

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 395528
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	same gas all strings	10/25/2024
mkuehling	submit bradenhead test through UF-BHT	10/25/2024