



Well Name: JOHNSON GC C 1E; BHD
 API #: 3004524004
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: SB2021087
 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: Y
 Pressure: 80 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 68 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/12/2021
 Sample Time: 11.17 AM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2115	0.2053	0.0230	0.00	0.0020
CO2	0.0030	0.0029	0.0010	0.00	0.0000
Methane	87.0989	84.5328	14.8060	879.70	0.4824
Ethane	7.3879	7.1703	1.9810	130.74	0.0767
Propane	2.9756	2.8879	0.8220	74.87	0.0453
Iso-Butane	0.5204	0.5051	0.1710	16.92	0.0104
N-Butane	0.7991	0.7756	0.2530	26.07	0.0160
I-Pentane	0.2820	0.2737	0.1030	11.28	0.0070
N-Pentane	0.2087	0.2026	0.0760	8.37	0.0052
Hexane Plus	0.5129	0.4978	0.2290	27.04	0.0170
Total	100.0000	97.0540	18.4650	1174.99	0.6622

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.003
 BTU/CU.FT IDEAL: 1177.7
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1181.2
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1160.6
 DRY BTU @ 15.025: 1204.9
 REAL SPECIFIC GRAVITY: 0.6639

CYLINDER #: 060
 CYLINDER PRESSURE: 80 PSIG
 ANALYSIS DATE: 05/19/2021
 ANALYSIS TIME: 11:42:46 AM
 ANALYSIS RUN BY: PATRICIA KING

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: 05/20/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

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

BRADENHEAD

05/20/2021
69350-10430

Smpl Date: 05/12/2021
Test Date: 05/19/2021
Run No: SB2021087

Nitrogen: 0.2115
CO2: 0.0030
Methane: 87.0989
Ethane: 7.3879
Propane: 2.9756
I-Butane: 0.5204
N-Butane: 0.7991
I-Pentane: 0.2820
N-Pentane: 0.2087
Hexane+: 0.5129

BTU: 1181.2
GPM: 18.4650
SPG: 0.6639



Well Name: JOHNSON GC C 1E; CSG

API #: 3004524004

Source: CASING

Sample Type: GAS

Analysis No: SB2021088

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: 82 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 68 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/12/2021
 Sample Time: 11.20 AM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2989	0.2930	0.0330	0.00	0.0029
CO2	1.1286	1.1064	0.1930	0.00	0.0171
Methane	80.2246	78.6478	13.6490	810.27	0.4444
Ethane	9.4080	9.2231	2.5250	166.49	0.0977
Propane	4.6602	4.5686	1.2880	117.26	0.0710
Iso-Butane	0.6308	0.6184	0.2070	20.51	0.0127
N-Butane	1.4397	1.4114	0.4550	46.97	0.0289
I-Pentane	0.4288	0.4204	0.1570	17.16	0.0107
N-Pentane	0.4154	0.4072	0.1510	16.65	0.0103
Hexane Plus	1.3650	1.3382	0.6110	71.95	0.0452
Total	100.0000	98.0345	19.2690	1267.26	0.7408

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0038
 BTU/CU.FT IDEAL: 1270.2
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1275.0
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1252.8
 DRY BTU @ 15.025: 1300.5
 REAL SPECIFIC GRAVITY: 0.7433

CYLINDER #: 21
 CYLINDER PRESSURE: 75 PSIG
 ANALYSIS DATE: 05/19/2021
 ANALYSIS TIME: 11:57:25 AM
 ANALYSIS RUN BY: PATRICIA KING

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: 05/20/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

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

CASING

05/20/2021
69350-10435

Smpl Date: 05/12/2021
Test Date: 05/19/2021
Run No: SB2021088

Nitrogen: 0.2989
CO2: 1.1286
Methane: 80.2246
Ethane: 9.4080
Propane: 4.6602
I-Butane: 0.6308
N-Butane: 1.4397
I-Pentane: 0.4288
N-Pentane: 0.4154
Hexane+: 1.3650

BTU: 1275.0
GPM: 19.2690
SPG: 0.7433



Well Name: JOHNSON GC C 1E; TBG

API #: 3004524004

Source: TUBING

Sample Type: GAS

Analysis No: SB2021089

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: 68 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/12/2021
 Sample Time: 11.15 AM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3037	0.2984	0.0340	0.00	0.0029
CO2	1.1330	1.1131	0.1940	0.00	0.0172
Methane	80.5355	79.1189	13.7000	813.41	0.4461
Ethane	9.4440	9.2779	2.5340	167.13	0.0980
Propane	4.6694	4.5873	1.2910	117.49	0.0711
Iso-Butane	0.6290	0.6179	0.2070	20.45	0.0126
N-Butane	1.4316	1.4064	0.4530	46.70	0.0287
I-Pentane	0.4164	0.4091	0.1530	16.66	0.0104
N-Pentane	0.3969	0.3899	0.1440	15.91	0.0099
Hexane Plus	1.0405	1.0222	0.4660	54.85	0.0344
Total	100.0000	98.2411	19.1760	1252.60	0.7314

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0037
 BTU/CU.FT IDEAL: 1255.5
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1260.2
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1238.3
 DRY BTU @ 15.025: 1285.4
 REAL SPECIFIC GRAVITY: 0.7338

CYLINDER #: 005
 CYLINDER PRESSURE: 81 PSIG
 ANALYSIS DATE: 05/19/2021
 ANALYSIS TIME: 12:15:08 AM
 ANALYSIS RUN BY: PATRICIA KING

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: 05/20/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

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

TUBING

05/20/2021
69350-10440

Smpl Date: 05/12/2021
Test Date: 05/19/2021
Run No: SB2021089

Nitrogen: 0.3037
CO2: 1.1330
Methane: 80.5355
Ethane: 9.4440
Propane: 4.6694
I-Butane: 0.6290
N-Butane: 1.4316
I-Pentane: 0.4164
N-Pentane: 0.3969
Hexane+: 1.0405

BTU: 1260.2
GPM: 19.1760
SPG: 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 30423

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 30423
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	None	6/14/2021