



Well Name: HUTTON GC 1E; BHD
 API #: 3004524152
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: SB20240069
 Cust No: 69350-10915

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: HUTTON GC 1E; BHD
 County/State:
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004524152

Source: BRADENHEAD
 Well Flowing: N
 Pressure: 92 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 80 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 09/24/2024
 Sample Time: 11.50 AM
 Sampled By: S.C.
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.6448	0.6333	0.0710	0.00	0.0062
CO2	0.0031	0.0030	0.0010	0.00	0.0000
Methane	92.7100	91.0514	15.7510	936.37	0.5135
Ethane	4.6677	4.5842	1.2510	82.60	0.0485
Propane	1.2158	1.1940	0.3360	30.59	0.0185
Iso-Butane	0.3136	0.3080	0.1030	10.20	0.0063
N-Butane	0.2558	0.2512	0.0810	8.34	0.0051
I-Pentane	0.0798	0.0784	0.0290	3.19	0.0020
N-Pentane	0.0331	0.0325	0.0120	1.33	0.0008
Hexane Plus	0.0763	0.0749	0.0340	4.02	0.0025
Total	100.0000	98.2109	17.6690	1076.65	0.6035

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0024
 BTU/CU.FT IDEAL: 1079.1
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1081.7
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1062.9
 DRY BTU @ 15.025: 1103.4
 REAL SPECIFIC GRAVITY: 0.6047

CYLINDER #: 009
 CYLINDER PRESSURE: 80 PSIG
 ANALYSIS DATE: 09/25/2024
 ANALYSIS TIME: 09:58:51 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: HUTTON GC 1E; BHD
Stn. No.: 3004524152
Mtr. No.:

BRADENHEAD

09/25/2024
69350-10915

Smpl Date: 09/24/2024
Test Date: 09/25/2024
Run No: SB20240069

Nitrogen: 0.6448
CO2: 0.0031
Methane: 92.7100
Ethane: 4.6677
Propane: 1.2158
I-Butane: 0.3136
N-Butane: 0.2558
I-Pentane: 0.0798
N-Pentane: 0.0331
Hexane+: 0.0763

BTU: 1081.7
GPM: 17.6690
SPG: 0.6047



Well Name: HUTTON GC 1E; CSG

API #: 3004524152

Source: CASING

Sample Type: GAS

Analysis No: SB20240070

Cust No: 69350-10920

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: HUTTON GC 1E; CSG
 County/State:
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004524152

Source: CASING
 Well Flowing: Y
 Pressure: 78 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 80 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 09/24/2024
 Sample Time: 11.55 AM
 Sampled By: S.C.
 Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4220	0.4248	0.0470	0.00	0.0041
CO2	1.3589	1.3680	0.2330	0.00	0.0206
Methane	83.9850	84.5483	14.2810	848.25	0.4652
Ethane	8.1561	8.2108	2.1880	144.34	0.0847
Propane	3.2007	3.2222	0.8840	80.53	0.0487
Iso-Butane	0.4809	0.4841	0.1580	15.64	0.0097
N-Butane	0.8966	0.9026	0.2840	29.25	0.0180
I-Pentane	0.3098	0.3119	0.1140	12.39	0.0077
N-Pentane	0.2103	0.2117	0.0760	8.43	0.0052
Hexane Plus	0.9797	0.9863	0.4380	51.64	0.0324
Total	100.0000	100.6707	18.7030	1190.47	0.6964

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
 BTU/CU.FT IDEAL: 1193.2
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1197.2
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1176.4
 DRY BTU @ 15.025: 1221.2
 REAL SPECIFIC GRAVITY: 0.6984

CYLINDER #: 2106
 CYLINDER PRESSURE: 76 PSIG
 ANALYSIS DATE: 09/25/2024
 ANALYSIS TIME: 09:40:54 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: HUTTON GC 1E; CSG
Stn. No.: 3004524152
Mtr. No.:

CASING

09/25/2024
69350-10920

Smpl Date: 09/24/2024
Test Date: 09/25/2024
Run No: SB20240070

Nitrogen: 0.4220
CO2: 1.3589
Methane: 83.9850
Ethane: 8.1561
Propane: 3.2007
I-Butane: 0.4809
N-Butane: 0.8966
I-Pentane: 0.3098
N-Pentane: 0.2103
Hexane+: 0.9797

BTU: 1197.2
GPM: 18.7030
SPG: 0.6984



Well Name: HUTTON GC 1E; TBG
 API #: 3004524152
 Source: TUBING
 Sample Type: GAS
 Analysis No: SB20240071
 Cust No: 69350-10925

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: HUTTON GC 1E; TBG
 County/State:
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004524152

Source: TUBING
 Well Flowing: Y
 Pressure: 78 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 80 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 09/24/2024
 Sample Time: 11.59 AM
 Sampled By: S.C.
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3778	0.3697	0.0420	0.00	0.0037
CO2	1.3344	1.3059	0.2290	0.00	0.0203
Methane	81.9532	80.2057	13.9470	827.73	0.4539
Ethane	7.9955	7.8250	2.1470	141.50	0.0830
Propane	3.1796	3.1118	0.8790	80.00	0.0484
Iso-Butane	0.4820	0.4717	0.1580	15.67	0.0097
N-Butane	0.9131	0.8936	0.2890	29.79	0.0183
I-Pentane	0.3391	0.3319	0.1240	13.57	0.0084
N-Pentane	0.2514	0.2460	0.0910	10.08	0.0063
Hexane Plus	3.1739	3.1062	1.4210	167.30	0.1050
Total	100.0000	97.8675	19.3270	1285.63	0.7570

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0041
 BTU/CU.FT IDEAL: 1288.6
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1293.9
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1271.4
 DRY BTU @ 15.025: 1319.8
 REAL SPECIFIC GRAVITY: 0.7598

CYLINDER #: 50
 CYLINDER PRESSURE: 73 PSIG
 ANALYSIS DATE: 09/25/2024
 ANALYSIS TIME: 09:27:33 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: HUTTON GC 1E; TBG
Stn. No.: 3004524152
Mtr. No.:

TUBING

09/25/2024
69350-10925

Smpl Date: 09/24/2024
Test Date: 09/25/2024
Run No: SB20240071

Nitrogen: 0.3778
CO2: 1.3344
Methane: 81.9532
Ethane: 7.9955
Propane: 3.1796
I-Butane: 0.4820
N-Butane: 0.9131
I-Pentane: 0.3391
N-Pentane: 0.2514
Hexane+: 3.1739

BTU: 1293.9
GPM: 19.3270
SPG: 0.7598

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1000 Rio Brazos Rd., Aztec, NM 87410
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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 395231

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 395231
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	gas does not appear to be the same - submit bht through OCD permitting using UF-BHT	10/25/2024