

Well Name: GCU COM H 180E; BHD
 API #: API # 3004524869
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: SB2021037
 Cust No: 69350-10180

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU COM H 180E; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: NMSF078209B
 Formation:
 Cust. Stn. No.: API # 3004524869

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 228 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 64 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 04/22/2021
 Sample Time: 1.00 PM
 Sampled By: ERIK SHAW
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4825	0.4780	0.0530	0.00	0.0047
CO2	0.0049	0.0049	0.0010	0.00	0.0001
Methane	89.9696	89.1312	15.2900	908.69	0.4983
Ethane	5.7304	5.6770	1.5360	101.41	0.0595
Propane	2.2780	2.2568	0.6290	57.32	0.0347
Iso-Butane	0.4531	0.4489	0.1490	14.73	0.0091
N-Butane	0.5809	0.5755	0.1840	18.95	0.0117
I-Pentane	0.2042	0.2023	0.0750	8.17	0.0051
N-Pentane	0.1381	0.1368	0.0500	5.54	0.0034
Hexane Plus	0.1583	0.1568	0.0710	8.34	0.0052
Total	100.0000	99.0682	18.0380	1123.16	0.6318

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0027
 BTU/CU.FT IDEAL: 1125.8
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1128.8
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1109.2
 DRY BTU @ 15.025: 1151.4
 REAL SPECIFIC GRAVITY: 0.6332

CYLINDER #: 4041
 CYLINDER PRESSURE: 233 PSIG
 ANALYSIS DATE: 04/28/2021
 ANALYSIS TIME: 08:34:52 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: 04/30/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: GCU COM H 180E; BHD
Stn. No.: API # 3004524869
Mtr. No.:

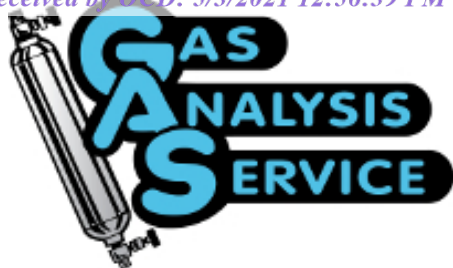
BRADENHEAD

04/30/2021
69350-10180

Smpl Date: 04/22/2021
Test Date: 04/28/2021
Run No: SB2021037

Nitrogen: 0.4825
CO2: 0.0049
Methane: 89.9696
Ethane: 5.7304
Propane: 2.2780
I-Butane: 0.4531
N-Butane: 0.5809
I-Pentane: 0.2042
N-Pentane: 0.1381
Hexane+: 0.1583

BTU: 1128.8
GPM: 18.0380
SPG: 0.6332



Well Name: GCU COM H 180E; CSG

API #: API # 3004524869

Source: CASING

Sample Type: GAS

Analysis No: SB2021038

Cust No: 69350-10185

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU COM H 180E; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: NMSF078209B
 Formation:
 Cust. Stn. No.: API # 3004524869

Source: CASING
 Well Flowing: Y
 Pressure: 7 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 64 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 04/22/2021
 Sample Time: 12.55 PM
 Sampled By: ERIK SHAW
 Sampled by (CO): ABC

Heat Trace: N

Remarks: PRESSURED WITH HELIUM TO 30LBS.

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	11.1640	5.7769	1.2320	0.00	0.1080
CO2	0.7773	0.4022	0.1330	0.00	0.0118
Methane	68.1459	35.2626	11.5930	688.27	0.3775
Ethane	9.2663	4.7949	2.4870	163.99	0.0962
Propane	5.5547	2.8743	1.5360	139.76	0.0846
Iso-Butane	0.5624	0.2910	0.1850	18.29	0.0113
N-Butane	1.7828	0.9225	0.5640	58.16	0.0358
I-Pentane	0.4650	0.2406	0.1710	18.60	0.0116
N-Pentane	0.5593	0.2894	0.2030	22.42	0.0139
Hexane Plus	1.7223	0.8912	0.7710	90.78	0.0570
Total	100.0000	51.7456	18.8750	1200.28	0.8076

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0037
 BTU/CU.FT IDEAL: 1203.1
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1207.5
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1186.5
 DRY BTU @ 15.025: 1231.7
 REAL SPECIFIC GRAVITY: 0.8103

CYLINDER #: 4214
 CYLINDER PRESSURE: PSIG
 ANALYSIS DATE: 04/28/2021
 ANALYSIS TIME: 09:08:13 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: 04/30/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: GCU COM H 180E; CSG
Stn. No.: API # 3004524869
Mtr. No.:

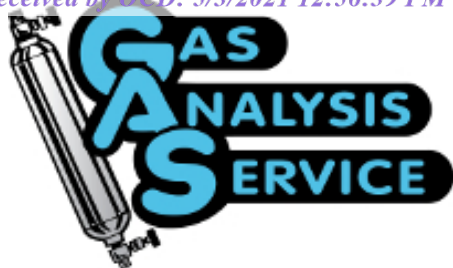
CASING

04/30/2021
69350-10185

Smpl Date: 04/22/2021
Test Date: 04/28/2021
Run No: SB2021038

Nitrogen: 11.1640
CO2: 0.7773
Methane: 68.1459
Ethane: 9.2663
Propane: 5.5547
I-Butane: 0.5624
N-Butane: 1.7828
I-Pentane: 0.4650
N-Pentane: 0.5593
Hexane+: 1.7223

BTU: 1207.5
GPM: 18.8750
SPG: 0.8103



Well Name: GCU COM H 180E; TBG
 API #: API # 3004524869
 Source: TUBING
 Sample Type: GAS
 Analysis No: SB2021039
 Cust No: 69350-10190

Well/Lease Information

Customer Name:	SIMCOE SOUTH BHD	Source:	TUBING
Well Name:	GCU COM H 180E; TBG	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	7 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:	NMSF078209B	Ambient Temp:	64 DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	API # 3004524869	Sample Method:	Purge & Fill
		Sample Date:	04/22/2021
		Sample Time:	12.50 PM
		Sampled By:	ERIK SHAW
		Sampled by (CO):	ABC

Heat Trace: N

Remarks: PRESSURED WITH HELIUM TO 30LBS.

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	6.2455	2.6475	0.6900	0.00	0.0604
CO2	0.7431	0.3150	0.1270	0.00	0.0113
Methane	71.5013	30.3096	12.1680	722.16	0.3960
Ethane	10.0051	4.2412	2.6860	177.06	0.1039
Propane	5.9872	2.5380	1.6560	150.64	0.0912
Iso-Butane	0.6195	0.2626	0.2040	20.15	0.0124
N-Butane	1.8879	0.8003	0.5970	61.59	0.0379
I-Pentane	0.4518	0.1915	0.1660	18.08	0.0113
N-Pentane	0.5225	0.2215	0.1900	20.95	0.0130
Hexane Plus	2.0361	0.8631	0.9120	107.32	0.0674
Total	100.0000	42.3903	19.3960	1277.95	0.8047

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0041	CYLINDER #:	5009
BTU/CU.FT IDEAL:	1280.9	CYLINDER PRESSURE:	PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1286.2	ANALYSIS DATE:	04/28/2021
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1263.8	ANALYSIS TIME:	09:23:28 AM
DRY BTU @ 15.025:	1312.0	ANALYSIS RUN BY:	SHYANN GALLEGOS
REAL SPECIFIC GRAVITY:	0.8077		

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: 04/30/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: GCU COM H 180E; TBG
Stn. No.: API # 3004524869
Mtr. No.:

TUBING

04/30/2021
69350-10190

Smpl Date: 04/22/2021
Test Date: 04/28/2021
Run No: SB2021039

Nitrogen: 6.2455
CO2: 0.7431
Methane: 71.5013
Ethane: 10.0051
Propane: 5.9872
I-Butane: 0.6195
N-Butane: 1.8879
I-Pentane: 0.4518
N-Pentane: 0.5225
Hexane+: 2.0361

BTU: 1286.2
GPM: 19.3960
SPG: 0.8077

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
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

COMMENTS

Action 26644

COMMENTS

Operator:			OGRID:	Action Number:	Action Type:
SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO81301			329736	26644	GAS ANALYSIS
Created By		Comment		Comment Date	
mkuehling		for record only		05/05/2021	

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

CONDITIONS

Action 26644

CONDITIONS OF APPROVAL

Operator:			OGRID:	Action Number:	Action Type:
	SIMCOE LLC	1199 Main Ave., Suite 101	329736	26644	GAS ANALYSIS

OCD Reviewer	Condition
mkuehling	NOI to plug well from BP approved by NMOCD on 4/30/2020 - well has had high pressure on bradenhead since 2003 (over 230 psi) no direct. Is this well on plugging rig list for 2021? If not what is Simcoe's intentions for the well.