



Well Name: GCU 229; BHD
 API #: API # 3004511626
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: SB2021040
 Cust No: 69350-10195

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU 229; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: NMNM78391C
 Formation:
 Cust. Stn. No.: API # 3004511626

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 80 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 44 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 04/23/2021
 Sample Time: 7.30 AM
 Sampled By: ERIK SHAW
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4107	0.4058	0.0450	0.00	0.0040
CO2	0.0187	0.0185	0.0030	0.00	0.0003
Methane	92.9251	91.8271	15.7860	938.54	0.5147
Ethane	5.8641	5.7948	1.5710	103.78	0.0609
Propane	0.4125	0.4076	0.1140	10.38	0.0063
Iso-Butane	0.1000	0.0988	0.0330	3.25	0.0020
N-Butane	0.0966	0.0955	0.0310	3.15	0.0019
I-Pentane	0.0565	0.0558	0.0210	2.26	0.0014
N-Pentane	0.0183	0.0181	0.0070	0.73	0.0005
Hexane Plus	0.0975	0.0963	0.0440	5.14	0.0032
Total	100.0000	98.8183	17.6550	1067.24	0.5952

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0023
 BTU/CU.FT IDEAL: 1069.7
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1072.2
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1053.5
 DRY BTU @ 15.025: 1093.7
 REAL SPECIFIC GRAVITY: 0.5963

CYLINDER #: 6050
 CYLINDER PRESSURE: 84 PSIG
 ANALYSIS DATE: 04/28/2021
 ANALYSIS TIME: 08:06:44 AM
 ANALYSIS RUN BY: RICHARD WILSON

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 229; BHD	BRADENHEAD	04/30/2021
Stn. No.:	API # 3004511626		69350-10195
Mtr. No.:			

Smpl Date:	04/23/2021
Test Date:	04/28/2021
Run No:	SB2021040
Nitrogen:	0.4107
CO2:	0.0187
Methane:	92.9251
Ethane:	5.8641
Propane:	0.4125
I-Butane:	0.1000
N-Butane:	0.0966
I-Pentane:	0.0565
N-Pentane:	0.0183
Hexane+:	0.0975
BTU:	1072.2
GPM:	17.6550
SPG:	0.5963



Well Name: GCU 229; TBG
 API #: API # 3004511626
 Source: TUBING
 Sample Type: GAS
 Analysis No: SB2021041
 Cust No: 69350-10200

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU 229; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: NMNM78391C
 Formation:
 Cust. Stn. No.: API # 3004511626

Source: TUBING
 Well Flowing: Y
 Pressure: 65 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 44 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 04/23/2021
 Sample Time: 7.35 AM
 Sampled By: ERIK SHAW
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.7013	0.6902	0.0770	0.00	0.0068
CO2	1.3045	1.2839	0.2230	0.00	0.0198
Methane	81.4365	80.1516	13.8480	822.51	0.4511
Ethane	9.9985	9.8407	2.6820	176.94	0.1038
Propane	3.9096	3.8479	1.0800	98.37	0.0595
Iso-Butane	0.5845	0.5753	0.1920	19.01	0.0117
N-Butane	0.9114	0.8970	0.2880	29.73	0.0183
I-Pentane	0.2932	0.2886	0.1080	11.73	0.0073
N-Pentane	0.2122	0.2089	0.0770	8.51	0.0053
Hexane Plus	0.6483	0.6381	0.2900	34.17	0.0215
Total	100.0000	98.4222	18.8650	1200.97	0.7051

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
 BTU/CU.FT IDEAL: 1203.7
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1207.7
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1186.7
 DRY BTU @ 15.025: 1231.9
 REAL SPECIFIC GRAVITY: 0.7071

CYLINDER #: 5004
 CYLINDER PRESSURE: 74 PSIG
 ANALYSIS DATE: 04/28/2021
 ANALYSIS TIME: 08:52:27 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 229; TBG	TUBING	04/30/2021
Stn. No.:	API # 3004511626		69350-10200
Mtr. No.:			

Smpl Date: 04/23/2021
Test Date: 04/28/2021
Run No: SB2021041

Nitrogen: 0.7013
CO2: 1.3045
Methane: 81.4365
Ethane: 9.9985
Propane: 3.9096
I-Butane: 0.5845
N-Butane: 0.9114
I-Pentane: 0.2932
N-Pentane: 0.2122
Hexane+: 0.6483

BTU: 1207.7
GPM: 18.8650
SPG: 0.7071

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
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District III
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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 26650

COMMENTS

Operator:	SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO81301		OGRID:	329736	Action Number:	26650	Action Type:	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 26650

CONDITIONS OF APPROVAL

Operator:				OGRID:		Action Number:		Action Type:	
	SIMCOE LLC	1199 Main Ave., Suite 101	Durango, CO81301		329736		26650		GAS ANALYSIS

OCD Reviewer	Condition
mkuehling	None