

Well Name: GCU 263E; BHD
 API #: API # 3004525210
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: SB2021054
 Cust No: 69350-10265

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU 263E; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: NMNM78391C
 Formation:
 Cust. Stn. No.: API # 3004525210

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 22 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 80 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/05/2021
 Sample Time: 3.15 PM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2596	0.2576	0.0290	0.00	0.0025
CO2	0.0127	0.0126	0.0020	0.00	0.0002
Methane	87.7455	87.0549	14.9160	886.23	0.4860
Ethane	6.3653	6.3152	1.7070	112.65	0.0661
Propane	2.8536	2.8311	0.7880	71.80	0.0434
Iso-Butane	0.5618	0.5574	0.1840	18.27	0.0113
N-Butane	0.8674	0.8606	0.2740	28.30	0.0174
I-Pentane	0.3467	0.3440	0.1270	13.87	0.0086
N-Pentane	0.2652	0.2631	0.0960	10.63	0.0066
Hexane Plus	0.7222	0.7165	0.3230	38.07	0.0239
Total	100.0000	99.2130	18.4460	1179.81	0.6661

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.003
 BTU/CU.FT IDEAL: 1182.5
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1186.1
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1165.5
 DRY BTU @ 15.025: 1209.9
 REAL SPECIFIC GRAVITY: 0.6678

CYLINDER #: 29
 CYLINDER PRESSURE: 21 PSIG
 ANALYSIS DATE: 05/11/2021
 ANALYSIS TIME: 04:02:12 PM
 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: 05/17/2021

GC Method: C6+ Gas



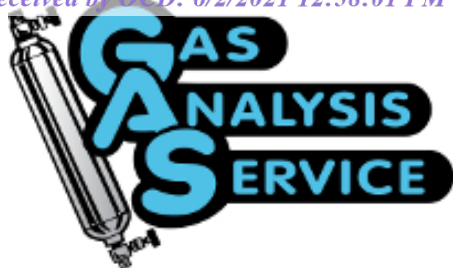
SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease:	GCU 263E; BHD	BRADENHEAD	05/17/2021
Stn. No.:	API # 3004525210		69350-10265
Mtr. No.:			

Smpl Date: 05/05/2021
Test Date: 05/11/2021
Run No: SB2021054

Nitrogen: 0.2596
CO2: 0.0127
Methane: 87.7455
Ethane: 6.3653
Propane: 2.8536
I-Butane: 0.5618
N-Butane: 0.8674
I-Pentane: 0.3467
N-Pentane: 0.2652
Hexane+: 0.7222

BTU: 1186.1
GPM: 18.4460
SPG: 0.6678



Well Name: GCU 263E; CSG
 API #: API # 3004525210
 Source: CASING
 Sample Type: GAS
 Analysis No: SB2021055
 Cust No: 69350-10270

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU 263E; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: NMNM78391C
 Formation:
 Cust. Stn. No.: API # 3004525210

Source: CASING
 Well Flowing:
 Pressure: 25 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 80 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/05/2021
 Sample Time: 3.12 PM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4836	0.4822	0.0530	0.00	0.0047
CO2	0.9390	0.9362	0.1610	0.00	0.0143
Methane	75.7634	75.5405	12.9000	765.21	0.4197
Ethane	10.6437	10.6124	2.8590	188.36	0.1105
Propane	5.8546	5.8374	1.6200	147.31	0.0891
Iso-Butane	1.0578	1.0547	0.3480	34.40	0.0212
N-Butane	1.6951	1.6901	0.5370	55.30	0.0340
I-Pentane	0.6928	0.6908	0.2540	27.72	0.0173
N-Pentane	0.5789	0.5772	0.2110	23.21	0.0144
Hexane Plus	2.2911	2.2844	1.0260	120.77	0.0758
Total	100.0000	99.7059	19.9690	1362.27	0.8010

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0046
 BTU/CU.FT IDEAL: 1365.4
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1371.7
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1347.8
 DRY BTU @ 15.025: 1399.2
 REAL SPECIFIC GRAVITY: 0.8044

CYLINDER #: 084
 CYLINDER PRESSURE: 26 PSIG
 ANALYSIS DATE: 05/11/2021
 ANALYSIS TIME: 03:49:34 PM
 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: 05/17/2021

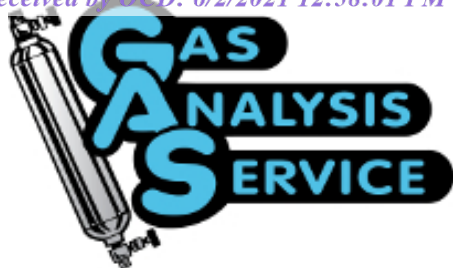
GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease:	GCU 263E; CSG	CASING	05/17/2021
Stn. No.:	API # 3004525210		69350-10270
Mtr. No.:			

Smpl Date:	05/05/2021
Test Date:	05/11/2021
Run No:	SB2021055
Nitrogen:	0.4836
CO2:	0.9390
Methane:	75.7634
Ethane:	10.6437
Propane:	5.8546
I-Butane:	1.0578
N-Butane:	1.6951
I-Pentane:	0.6928
N-Pentane:	0.5789
Hexane+:	2.2911
BTU:	1371.7
GPM:	19.9690
SPG:	0.8044



Well Name: GCU 263E; TBG
 API #: API # 3004525210
 Source: TUBING
 Sample Type: GAS
 Analysis No: SB2021056
 Cust No: 69350-10285

Well/Lease Information

Customer Name:	SIMCOE SOUTH BHD	Source:	TUBING
Well Name:	GCU 263E; TBG	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	10 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:	NMNM78391C	Ambient Temp:	80 DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	API # 3004525210	Sample Method:	Purge & Fill
		Sample Date:	05/05/2021
		Sample Time:	3.10 PM
		Sampled By:	CELIA L.
		Sampled by (CO):	ABC

Heat Trace: N

Remarks: PRESSURED WITH HELIUM TO 30LBS.

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3436	0.1644	0.0380	0.00	0.0033
CO2	1.4805	0.7083	0.2540	0.00	0.0225
Methane	81.5355	39.0077	13.8700	823.51	0.4516
Ethane	8.6097	4.1190	2.3100	152.37	0.0894
Propane	3.8335	1.8340	1.0600	96.45	0.0584
Iso-Butane	0.6350	0.3038	0.2090	20.65	0.0127
N-Butane	1.1243	0.5379	0.3560	36.68	0.0226
I-Pentane	0.4089	0.1956	0.1500	16.36	0.0102
N-Pentane	0.3512	0.1680	0.1280	14.08	0.0087
Hexane Plus	1.6778	0.8027	0.7510	88.44	0.0555
Total	100.0000	47.8414	19.1260	1248.53	0.7350

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0037	CYLINDER #:	013
BTU/CU.FT IDEAL:	1251.4	CYLINDER PRESSURE:	PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1256.1	ANALYSIS DATE:	05/11/2021
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1234.2	ANALYSIS TIME:	04:29:59 PM
DRY BTU @ 15.025:	1281.3	ANALYSIS RUN BY:	PATRICIA KING
REAL SPECIFIC GRAVITY:	0.7374		

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: 05/17/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease:	GCU 263E; TBG	TUBING	05/17/2021
Stn. No.:	API # 3004525210		69350-10285
Mtr. No.:			

Smpl Date:	05/05/2021
Test Date:	05/11/2021
Run No:	SB2021056
Nitrogen:	0.3436
CO2:	1.4805
Methane:	81.5355
Ethane:	8.6097
Propane:	3.8335
I-Butane:	0.6350
N-Butane:	1.1243
I-Pentane:	0.4089
N-Pentane:	0.3512
Hexane+:	1.6778
BTU:	1256.1
GPM:	19.1260
SPG:	0.7374

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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

CONDITIONS

Action 30356

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 30356
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

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