



Well Name: GCU 201 E; BHD
 API #: API# 3004526189
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: SB2021031
 Cust No: 69350-10150

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU 201 E; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: NMNM78391C
 Formation:
 Cust. Stn. No.: API# 3004526189

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 148 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 71 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 04/21/2021
 Sample Time: 1.35 PM
 Sampled By: ERIC S.
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.7969	0.7807	0.0880	0.00	0.0077
CO2	0.0308	0.0302	0.0050	0.00	0.0005
Methane	90.5256	88.6843	15.3830	914.31	0.5014
Ethane	5.5007	5.3888	1.4750	97.35	0.0571
Propane	1.9837	1.9434	0.5480	49.91	0.0302
Iso-Butane	0.3640	0.3566	0.1190	11.84	0.0073
N-Butane	0.4182	0.4097	0.1320	13.64	0.0084
I-Pentane	0.1438	0.1409	0.0530	5.75	0.0036
N-Pentane	0.0901	0.0883	0.0330	3.61	0.0022
Hexane Plus	0.1462	0.1432	0.0650	7.71	0.0048
Total	100.0000	97.9661	17.9010	1104.12	0.6233

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0026
 BTU/CU.FT IDEAL: 1106.7
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1109.6
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1090.3
 DRY BTU @ 15.025: 1131.8
 REAL SPECIFIC GRAVITY: 0.6246

CYLINDER #: 230
 CYLINDER PRESSURE: 113 PSIG
 ANALYSIS DATE: 04/26/2021
 ANALYSIS TIME: 04:35:31 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: 04/30/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: GCU 201 E; BHD
Stn. No.: API# 3004526189
Mtr. No.:

BRADENHEAD

04/30/2021
69350-10150

Smpl Date: 04/21/2021
Test Date: 04/26/2021
Run No: SB2021031

Nitrogen: 0.7969
CO2: 0.0308
Methane: 90.5256
Ethane: 5.5007
Propane: 1.9837
I-Butane: 0.3640
N-Butane: 0.4182
I-Pentane: 0.1438
N-Pentane: 0.0901
Hexane+: 0.1462

BTU: 1109.6
GPM: 17.9010
SPG: 0.6246



Well Name: GCU 201E; CSG
 API #: API# 3004526189
 Source: CASING
 Sample Type: GAS
 Analysis No: SB2021032
 Cust No: 69350-10155

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU 201E; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: NMNM78391C
 Formation:
 Cust. Stn. No.: API# 3004526189

Source: CASING
 Well Flowing: Y
 Pressure: 55 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 71 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 04/21/2021
 Sample Time: 1.40 PM
 Sampled By: ERIC S.
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.1297	2.0724	0.2350	0.00	0.0206
CO2	0.5432	0.5286	0.0930	0.00	0.0083
Methane	70.8884	68.9806	12.0760	715.97	0.3927
Ethane	10.8421	10.5503	2.9140	191.87	0.1126
Propane	6.3190	6.1489	1.7490	158.99	0.0962
Iso-Butane	1.4785	1.4387	0.4860	48.08	0.0297
N-Butane	2.9258	2.8471	0.9270	95.45	0.0587
I-Pentane	1.6990	1.6533	0.6240	67.98	0.0423
N-Pentane	1.5587	1.5168	0.5680	62.48	0.0388
Hexane Plus	1.6156	1.5721	0.7240	85.16	0.0535
Total	100.0000	97.3088	20.3960	1425.98	0.8533

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0051
 BTU/CU.FT IDEAL: 1429.3
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1436.6
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1411.6
 DRY BTU @ 15.025: 1465.4
 REAL SPECIFIC GRAVITY: 0.8573

CYLINDER #: 041
 CYLINDER PRESSURE: 80 PSIG
 ANALYSIS DATE: 04/27/2021
 ANALYSIS TIME: 08:17:17 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 201E; CSG
Stn. No.: API# 3004526189
Mtr. No.:

CASING

04/30/2021
69350-10155

Smpl Date: 04/21/2021
Test Date: 04/27/2021
Run No: SB2021032

Nitrogen: 2.1297
CO2: 0.5432
Methane: 70.8884
Ethane: 10.8421
Propane: 6.3190
I-Butane: 1.4785
N-Butane: 2.9258
I-Pentane: 1.6990
N-Pentane: 1.5587
Hexane+: 1.6156

BTU: 1436.6
GPM: 20.3960
SPG: 0.8573



Well Name: GCU 201E; TBG
 API #: API# 3004526189
 Source: TUBING
 Sample Type: GAS
 Analysis No: SB2021033
 Cust No: 69350-10160

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: GCU 201E; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: NMNM78391C
 Formation:
 Cust. Stn. No.: API# 3004526189

Source: TUBING
 Well Flowing: Y
 Pressure: 60 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 71 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 04/21/2021
 Sample Time: 1.30 PM
 Sampled By: ERIC S.
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.6195	0.6069	0.0680	0.00	0.0060
CO2	1.3600	1.3324	0.2330	0.00	0.0207
Methane	80.6553	79.0180	13.7190	814.62	0.4467
Ethane	9.7464	9.5485	2.6150	172.48	0.1012
Propane	3.9032	3.8240	1.0790	98.21	0.0594
Iso-Butane	0.6944	0.6803	0.2280	22.58	0.0139
N-Butane	1.0451	1.0239	0.3310	34.09	0.0210
I-Pentane	0.3871	0.3792	0.1420	15.49	0.0096
N-Pentane	0.2935	0.2875	0.1070	11.77	0.0073
Hexane Plus	1.2955	1.2692	0.5800	68.29	0.0429
Total	100.0000	97.9699	19.1020	1237.52	0.7288

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0036
 BTU/CU.FT IDEAL: 1240.4
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1244.9
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1223.2
 DRY BTU @ 15.025: 1269.8
 REAL SPECIFIC GRAVITY: 0.7311

CYLINDER #: 6247
 CYLINDER PRESSURE: 83 PSIG
 ANALYSIS DATE: 04/27/2021
 ANALYSIS TIME: 08:31:18 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 201E; TBG
Stn. No.: API# 3004526189
Mtr. No.:

TUBING

04/30/2021
69350-10160

Smpl Date: 04/21/2021
Test Date: 04/27/2021
Run No: SB2021033

Nitrogen: 0.6195
CO2: 1.3600
Methane: 80.6553
Ethane: 9.7464
Propane: 3.9032
I-Butane: 0.6944
N-Butane: 1.0451
I-Pentane: 0.3871
N-Pentane: 0.2935
Hexane+: 1.2955

BTU: 1244.9
GPM: 19.1020
SPG: 0.7311

District I
1625 N. French Dr., Hobbs, NM 88240
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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 26646

COMMENTS

Operator:			OGRID:	Action Number:	Action Type:
SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO81301			329736	26646	GAS ANALYSIS
Created By		Comment		Comment Date	
mkuehling		for record only		05/05/2021	

District I
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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CONDITIONS

Action 26646

CONDITIONS OF APPROVAL

Operator:				OGRID:	Action Number:	Action Type:
SIMCOE LLC	1199 Main Ave., Suite 101	Durango, CO81301		329736	26646	GAS ANALYSIS
OCD Reviewer				Condition		
mkuehling				None		