



2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: SB2021110
Cust No: 69350-10545

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
Well Name: ESKEENAL WOOD GC B1; INT
County/State: SAN JUAN NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.: 3004523306

Source: INTERMEDIATE
Well Flowing: Y
Pressure: 70 PSIG
Flow Temp: DEG. F
Ambient Temp: 85 DEG. F
Flow Rate: MCF/D
Sample Method:
Sample Date: 07/07/2021
Sample Time: 12.22 PM
Sampled By: CELIA L.
Sampled by (CO): ABC

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4624	0.4541	0.0510	0.00	0.0045
CO2	0.3794	0.3726	0.0650	0.00	0.0058
Methane	84.2594	82.7558	14.3280	851.02	0.4667
Ethane	7.3730	7.2414	1.9780	130.48	0.0765
Propane	4.2305	4.1550	1.1690	106.44	0.0644
Iso-Butane	0.6139	0.6029	0.2020	19.96	0.0123
N-Butane	1.1925	1.1712	0.3770	38.90	0.0239
I-Pentane	0.3607	0.3543	0.1320	14.43	0.0090
N-Pentane	0.3042	0.2988	0.1110	12.19	0.0076
Hexane Plus	0.8240	0.8093	0.3690	43.43	0.0273
Total	100.0000	98.2154	18.7820	1216.87	0.6980

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
BTU/CU.FT IDEAL: 1219.7
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1223.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1202.4
DRY BTU @ 15.025: 1248.2
REAL SPECIFIC GRAVITY: 0.7

CYLINDER #: 24
CYLINDER PRESSURE: 69 PSIG
ANALYSIS DATE: 07/16/2021
ANALYSIS TIME: 07:37:39 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: 07/20/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease:	ESKEENAL WOOD GC B1; INT	INTERMEDIATE	07/20/2021
Stn. No.:	3004523306		69350-10545
Mtr. No.:			

Smpl Date: 07/07/2021
Test Date: 07/16/2021
Run No: SB2021110

Nitrogen: 0.4624
CO2: 0.3794
Methane: 84.2594
Ethane: 7.3730
Propane: 4.2305
I-Butane: 0.6139
N-Butane: 1.1925
I-Pentane: 0.3607
N-Pentane: 0.3042
Hexane+: 0.8240

BTU: 1223.7
GPM: 18.7820
SPG: 0.7000



Well Name: ESKEENAL WOOD GC B1;
 API #: 3004523306
 Source: CASING
 Sample Type: GAS
 Analysis No: SB2021109
 Cust No: 69350-10540

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: ESKEENAL WOOD GC B1; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004523306

Source: CASING
 Well Flowing: Y
 Pressure: 116 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 85 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 07/07/2021
 Sample Time: 12.19 PM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4340	0.4298	0.0480	0.00	0.0042
CO2	0.3813	0.3776	0.0650	0.00	0.0058
Methane	84.3592	83.5422	14.3450	852.03	0.4673
Ethane	7.3805	7.3090	1.9800	130.61	0.0766
Propane	4.2332	4.1922	1.1700	106.51	0.0645
Iso-Butane	0.6129	0.6070	0.2010	19.93	0.0123
N-Butane	1.1884	1.1769	0.3760	38.77	0.0238
I-Pentane	0.3567	0.3532	0.1310	14.27	0.0089
N-Pentane	0.3000	0.2971	0.1090	12.03	0.0075
Hexane Plus	0.7538	0.7465	0.3370	39.73	0.0249
Total	100.0000	99.0315	18.7620	1213.88	0.6958

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
 BTU/CU.FT IDEAL: 1216.7
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1220.7
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1199.5
 DRY BTU @ 15.025: 1245.1
 REAL SPECIFIC GRAVITY: 0.6978

CYLINDER #: 12
 CYLINDER PRESSURE: 126 PSIG
 ANALYSIS DATE: 07/16/2021
 ANALYSIS TIME: 07:18:29 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: 07/20/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease:	ESKEENAL WOOD GC B1; CSG	CASING	07/20/2021
Stn. No.:	3004523306		69350-10540
Mtr. No.:			

Smpl Date:	07/07/2021
Test Date:	07/16/2021
Run No:	SB2021109
Nitrogen:	0.4340
CO2:	0.3813
Methane:	84.3592
Ethane:	7.3805
Propane:	4.2332
I-Butane:	0.6129
N-Butane:	1.1884
I-Pentane:	0.3567
N-Pentane:	0.3000
Hexane+:	0.7538
BTU:	1220.7
GPM:	18.7620
SPG:	0.6978



Well Name: ESKEENAL WOOD GC B1;
 API #: 3004523306
 Source: TUBING
 Sample Type: GAS
 Analysis No: SB2021111
 Cust No: 69350-10550

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: ESKEENAL WOOD GC B1; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004523306

Source: TUBING
 Well Flowing: Y
 Pressure: 116 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 85 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 07/07/2021
 Sample Time: 12.15 PM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3366	0.3324	0.0370	0.00	0.0033
CO2	1.4621	1.4438	0.2500	0.00	0.0222
Methane	86.1407	85.0618	14.6440	870.02	0.4771
Ethane	7.4387	7.3455	1.9950	131.64	0.0772
Propane	2.3954	2.3654	0.6620	60.27	0.0365
Iso-Butane	0.5621	0.5551	0.1840	18.28	0.0113
N-Butane	0.5974	0.5899	0.1890	19.49	0.0120
I-Pentane	0.2820	0.2785	0.1030	11.28	0.0070
N-Pentane	0.1814	0.1791	0.0660	7.27	0.0045
Hexane Plus	0.6036	0.5960	0.2700	31.82	0.0200
Total	100.0000	98.7475	18.4000	1150.07	0.6711

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.003
 BTU/CU.FT IDEAL: 1152.7
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1156.2
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1136.1
 DRY BTU @ 15.025: 1179.4
 REAL SPECIFIC GRAVITY: 0.6728

CYLINDER #: 058
 CYLINDER PRESSURE: 116 PSIG
 ANALYSIS DATE: 07/16/2021
 ANALYSIS TIME: 06:55:52 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: 07/20/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease:	ESKEENAL WOOD GC B1; TBG	TUBING	07/20/2021
Stn. No.:	3004523306		69350-10550
Mtr. No.:			

Smpl Date:	07/07/2021
Test Date:	07/16/2021
Run No:	SB2021111
Nitrogen:	0.3366
CO2:	1.4621
Methane:	86.1407
Ethane:	7.4387
Propane:	2.3954
I-Butane:	0.5621
N-Butane:	0.5974
I-Pentane:	0.2820
N-Pentane:	0.1814
Hexane+:	0.6036
BTU:	1156.2
GPM:	18.4000
SPG:	0.6728

District I
1625 N. French Dr., Hobbs, NM 88240
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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 37233

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 37233
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	intermediate and production casing shows same gas	8/3/2021