



Well Name: BOLACK B LS 001; INTRM
 API #: 3004507019
 Source: INTERMEDIATE CASING
 Sample Type: GAS
 Analysis No: SB2021113
 Cust No: 69350-10560

Well/Lease Information

Customer Name:	SIMCOE SOUTH BHD	Source:	INTERMEDIATE CASING
Well Name:	BOLACK B LS 001; INTRM CSG	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	105 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:	NMNM012202	Ambient Temp:	90 DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	3004507019	Sample Method:	Purge & Fill
		Sample Date:	08/31/2021
		Sample Time:	2.05 PM
		Sampled By:	BRANDON E.
		Sampled by (CO):	ABC

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2922	0.2838	0.0320	0.00	0.0028
CO2	0.4730	0.4593	0.0810	0.00	0.0072
Methane	85.8439	83.3625	14.5950	867.02	0.4755
Ethane	7.1919	6.9840	1.9290	127.28	0.0747
Propane	3.5369	3.4347	0.9770	88.99	0.0538
Iso-Butane	0.5322	0.5168	0.1750	17.31	0.0107
N-Butane	0.9349	0.9079	0.2960	30.50	0.0188
I-Pentane	0.2934	0.2849	0.1080	11.74	0.0073
N-Pentane	0.2374	0.2305	0.0860	9.52	0.0059
Hexane Plus	0.6642	0.6450	0.2970	35.01	0.0220
Total	100.0000	97.1094	18.5760	1187.36	0.6787

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0031	CYLINDER #:	6107
BTU/CU.FT IDEAL:	1190.1	CYLINDER PRESSURE:	95 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1193.8	ANALYSIS DATE:	09/08/2021
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1173.0	ANALYSIS TIME:	03:01:47 PM
DRY BTU @ 15.025:	1217.7	ANALYSIS RUN BY:	RICHARD WILSON
REAL SPECIFIC GRAVITY:	0.6805		

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: 09/09/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease:	BOLACK B LS 001; INTRM CSG	INTERMEDIATE CASING	09/09/2021
Stn. No.:	3004507019		69350-10560
Mtr. No.:			

Smpl Date:	08/31/2021
Test Date:	09/08/2021
Run No:	SB2021113
Nitrogen:	0.2922
CO2:	0.4730
Methane:	85.8439
Ethane:	7.1919
Propane:	3.5369
I-Butane:	0.5322
N-Butane:	0.9349
I-Pentane:	0.2934
N-Pentane:	0.2374
Hexane+:	0.6642
BTU:	1193.8
GPM:	18.5760
SPG:	0.6805



Well Name: BOLACK B LS 001; CSG

API #: 3004507019

Source: CASING

Sample Type: GAS

Analysis No: SB2021112

Cust No: 69350-10555

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: BOLACK B LS 001; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: NMNM012202
 Formation:
 Cust. Stn. No.: 3004507019

Source: CASING
 Well Flowing: Y
 Pressure: PSIG
 Flow Temp: DEG. F
 Ambient Temp: 90 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 08/31/2021
 Sample Time: 2.15 PM
 Sampled By: BRANDON E.
 Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2958	0.2872	0.0330	0.00	0.0029
CO2	0.4696	0.4559	0.0800	0.00	0.0071
Methane	85.8636	83.3555	14.5980	867.22	0.4756
Ethane	7.1854	6.9755	1.9270	127.16	0.0746
Propane	3.5344	3.4312	0.9760	88.93	0.0538
Iso-Butane	0.5323	0.5168	0.1750	17.31	0.0107
N-Butane	0.9341	0.9068	0.2950	30.47	0.0187
I-Pentane	0.2932	0.2846	0.1080	11.73	0.0073
N-Pentane	0.2365	0.2296	0.0860	9.48	0.0059
Hexane Plus	0.6551	0.6360	0.2930	34.53	0.0217
Total	100.0000	97.0791	18.5710	1186.84	0.6783

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031
 BTU/CU.FT IDEAL: 1189.6
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1193.3
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1172.5
 DRY BTU @ 15.025: 1217.2
 REAL SPECIFIC GRAVITY: 0.6801

CYLINDER #: 4043
 CYLINDER PRESSURE: 90 PSIG
 ANALYSIS DATE: 09/08/2021
 ANALYSIS TIME: 03:09:17 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: 09/09/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: BOLACK B LS 001; CSG
Stn. No.: 3004507019
Mtr. No.:

CASING

09/09/2021
69350-10555

Smpl Date: 08/31/2021
Test Date: 09/08/2021
Run No: SB2021112

Nitrogen: 0.2958
CO2: 0.4696
Methane: 85.8636
Ethane: 7.1854
Propane: 3.5344
I-Butane: 0.5323
N-Butane: 0.9341
I-Pentane: 0.2932
N-Pentane: 0.2365
Hexane+: 0.6551

BTU: 1193.3
GPM: 18.5710
SPG: 0.6801



Well Name: BOLACK B LS 001; TBG

API #: 3004507019

Source: TUBING

Sample Type: GAS

Analysis No: SB2021114

Cust No: 69350-10565

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: BOLACK B LS 001; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: NMNM012202
 Formation:
 Cust. Stn. No.: 3004507019

Source: TUBING
 Well Flowing: Y
 Pressure: PSIG
 Flow Temp: DEG. F
 Ambient Temp: 90 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 08/31/2021
 Sample Time: 2.20 PM
 Sampled By: BRANDON E.
 Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3467	0.3390	0.0380	0.00	0.0034
CO2	0.8025	0.7846	0.1370	0.00	0.0122
Methane	79.6320	77.8531	13.5480	804.28	0.4411
Ethane	9.7989	9.5800	2.6300	173.41	0.1017
Propane	5.2075	5.0912	1.4400	131.03	0.0793
Iso-Butane	0.8464	0.8275	0.2780	27.52	0.0170
N-Butane	1.5309	1.4967	0.4840	49.94	0.0307
I-Pentane	0.5042	0.4929	0.1850	20.17	0.0126
N-Pentane	0.4208	0.4114	0.1530	16.87	0.0105
Hexane Plus	0.9101	0.8898	0.4070	47.97	0.0301
Total	100.0000	97.7662	19.3000	1271.20	0.7385

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0038
 BTU/CU.FT IDEAL: 1274.1
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1279.0
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1256.7
 DRY BTU @ 15.025: 1304.6
 REAL SPECIFIC GRAVITY: 0.741

CYLINDER #: 4237
 CYLINDER PRESSURE: 75 PSIG
 ANALYSIS DATE: 09/08/2021
 ANALYSIS TIME: 02:51:15 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: 09/09/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: BOLACK B LS 001; TBG
Stn. No.: 3004507019
Mtr. No.:

TUBING

09/09/2021
69350-10565

Smpl Date: 08/31/2021
Test Date: 09/08/2021
Run No: SB2021114

Nitrogen: 0.3467
CO2: 0.8025
Methane: 79.6320
Ethane: 9.7989
Propane: 5.2075
I-Butane: 0.8464
N-Butane: 1.5309
I-Pentane: 0.5042
N-Pentane: 0.4208
Hexane+: 0.9101

BTU: 1279.0
GPM: 19.3000
SPG: 0.7410

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

CONDITIONS

Action 55941

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 55941
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	None	12/20/2021