



Well Name: MONCRIEF FED 1E; BHD
 API #: API # 3004526450
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: SB2021057
 Cust No: 69350-10275

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: MONCRIEF FED 1E; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: NMNM080647
 Formation:
 Cust. Stn. No.: API # 3004526450

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 44 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 55 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/04/2021
 Sample Time: 9.55 AM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3496	0.3444	0.0390	0.00	0.0034
CO2	0.0029	0.0029	0.0000	0.00	0.0000
Methane	88.9774	87.6455	15.1230	898.67	0.4928
Ethane	6.2164	6.1234	1.6670	110.01	0.0645
Propane	2.6272	2.5879	0.7260	66.10	0.0400
Iso-Butane	0.4970	0.4896	0.1630	16.16	0.0100
N-Butane	0.6667	0.6567	0.2110	21.75	0.0134
I-Pentane	0.2368	0.2333	0.0870	9.47	0.0059
N-Pentane	0.1571	0.1547	0.0570	6.30	0.0039
Hexane Plus	0.2689	0.2649	0.1200	14.17	0.0089
Total	100.0000	98.5033	18.1930	1142.64	0.6429

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0028
 BTU/CU.FT IDEAL: 1145.3
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1148.5
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1128.5
 DRY BTU @ 15.025: 1171.5
 REAL SPECIFIC GRAVITY: 0.6444

CYLINDER #: 055
 CYLINDER PRESSURE: 43 PSIG
 ANALYSIS DATE: 05/11/2021
 ANALYSIS TIME: 04:25:28 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: MONCRIEF FED 1E; BHD
Stn. No.: API # 3004526450
Mtr. No.:

BRADENHEAD

05/17/2021
69350-10275

Smpl Date: 05/04/2021
Test Date: 05/11/2021
Run No: SB2021057
Nitrogen: 0.3496
CO2: 0.0029
Methane: 88.9774
Ethane: 6.2164
Propane: 2.6272
I-Butane: 0.4970
N-Butane: 0.6667
I-Pentane: 0.2368
N-Pentane: 0.1571
Hexane+: 0.2689
BTU: 1148.5
GPM: 18.1930
SPG: 0.6444



Well Name: MONCRIEF FED 1E; CSG

API #: API # 3004526450

Source: CASING

Sample Type: GAS

Analysis No: SB2021058

Cust No: 69350-10290

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: MONCRIEF FED 1E; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: NMSF080647
 Formation:
 Cust. Stn. No.: API # 3004526450

Source: CASING
 Well Flowing: Y
 Pressure: 125 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 55 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/04/2021
 Sample Time: 9.51 AM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3686	0.3625	0.0410	0.00	0.0036
CO2	1.4818	1.4572	0.2540	0.00	0.0225
Methane	83.7593	82.3685	14.2420	845.97	0.4639
Ethane	8.1252	7.9903	2.1790	143.79	0.0844
Propane	3.2549	3.2009	0.8990	81.90	0.0496
Iso-Butane	0.6040	0.5940	0.1980	19.64	0.0121
N-Butane	1.0933	1.0751	0.3460	35.67	0.0219
I-Pentane	0.4264	0.4193	0.1560	17.06	0.0106
N-Pentane	0.3533	0.3474	0.1280	14.16	0.0088
Hexane Plus	0.5332	0.5243	0.2380	28.11	0.0176
Total	100.0000	98.3395	18.6810	1186.29	0.6951

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0032
 BTU/CU.FT IDEAL: 1189.0
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1192.9
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1172.1
 DRY BTU @ 15.025: 1216.8
 REAL SPECIFIC GRAVITY: 0.697

CYLINDER #: 101
 CYLINDER PRESSURE: 122 PSIG
 ANALYSIS DATE: 05/11/2021
 ANALYSIS TIME: 04:37:41 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: MONCRIEF FED 1E; CSG
Stn. No.: API # 3004526450
Mtr. No.:

CASING

05/17/2021
69350-10290

Smpl Date: 05/04/2021
Test Date: 05/11/2021
Run No: SB2021058

Nitrogen: 0.3686
CO2: 1.4818
Methane: 83.7593
Ethane: 8.1252
Propane: 3.2549
I-Butane: 0.6040
N-Butane: 1.0933
I-Pentane: 0.4264
N-Pentane: 0.3533
Hexane+: 0.5332

BTU: 1192.9
GPM: 18.6810
SPG: 0.6970



Well Name: MONCRIEF FED 1E; TBG
 API #: API # 3004526450
 Source: TUBING
 Sample Type: GAS
 Analysis No: SB2021059
 Cust No: 69350-10280

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: MONCRIEF FED 1E; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: NMSF080647
 Formation:
 Cust. Stn. No.: API # 3004526450

Source: TUBING
 Well Flowing: Y
 Pressure: 127 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 55 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/04/2021
 Sample Time: 9.47 AM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3188	0.3198	0.0350	0.00	0.0031
CO2	1.7265	1.7318	0.2960	0.00	0.0262
Methane	82.4360	82.6912	14.0180	832.60	0.4566
Ethane	8.9087	8.9363	2.3900	157.66	0.0925
Propane	3.6686	3.6800	1.0140	92.31	0.0559
Iso-Butane	0.5951	0.5969	0.1950	19.35	0.0119
N-Butane	1.0468	1.0500	0.3310	34.15	0.0210
I-Pentane	0.3604	0.3615	0.1320	14.42	0.0090
N-Pentane	0.2868	0.2877	0.1040	11.50	0.0071
Hexane Plus	0.6523	0.6543	0.2920	34.38	0.0216
Total	100.0000	100.3095	18.8070	1196.37	0.7049

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
 BTU/CU.FT IDEAL: 1199.1
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1203.1
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1182.2
 DRY BTU @ 15.025: 1227.2
 REAL SPECIFIC GRAVITY: 0.707

CYLINDER #: 073
 CYLINDER PRESSURE: 127 PSIG
 ANALYSIS DATE: 05/11/2021
 ANALYSIS TIME: 04:14:11 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: MONCRIEF FED 1E; TBG
Stn. No.: API # 3004526450
Mtr. No.:

TUBING

05/17/2021
69350-10280

Smpl Date: 05/04/2021
Test Date: 05/11/2021
Run No: SB2021059

Nitrogen: 0.3188
CO2: 1.7265
Methane: 82.4360
Ethane: 8.9087
Propane: 3.6686
I-Butane: 0.5951
N-Butane: 1.0468
I-Pentane: 0.3604
N-Pentane: 0.2868
Hexane+: 0.6523

BTU: 1203.1
GPM: 18.8070
SPG: 0.7070

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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

CONDITIONS

Action 30364

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 30364
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

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