



Well Name: CITY OF FARMINGTON 2;
 API #: 3004526735
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: SB2021078
 Cust No: 69350-10385

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: CITY OF FARMINGTON 2; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004526735

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 80 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 78 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/12/2021
 Sample Time: 4.43 PM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.3297	1.0181	0.1470	0.00	0.0129
CO2	0.0038	0.0029	0.0010	0.00	0.0001
Methane	95.9366	73.4535	16.2940	968.96	0.5314
Ethane	2.3494	1.7988	0.6290	41.58	0.0244
Propane	0.1404	0.1075	0.0390	3.53	0.0021
Iso-Butane	0.0447	0.0342	0.0150	1.45	0.0009
N-Butane	0.0381	0.0292	0.0120	1.24	0.0008
I-Pentane	0.0163	0.0125	0.0060	0.65	0.0004
N-Pentane	0.0129	0.0099	0.0050	0.52	0.0003
Hexane Plus	0.1281	0.0981	0.0570	6.75	0.0042
Total	100.0000	76.5647	17.2050	1024.69	0.5775

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0021
 BTU/CU.FT IDEAL: 1027.1
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1029.2
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1011.3
 DRY BTU @ 15.025: 1049.8
 REAL SPECIFIC GRAVITY: 0.5785

CYLINDER #: 24
 CYLINDER PRESSURE: 78 PSIG
 ANALYSIS DATE: 05/19/2021
 ANALYSIS TIME: 10:12:24 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: 05/20/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease:	CITY OF FARMINGTON 2; BHD	BRADENHEAD	05/20/2021
Stn. No.:	3004526735		69350-10385
Mtr. No.:			

Smpl Date: 05/12/2021
Test Date: 05/19/2021
Run No: SB2021078

Nitrogen: 1.3297
CO2: 0.0038
Methane: 95.9366
Ethane: 2.3494
Propane: 0.1404
I-Butane: 0.0447
N-Butane: 0.0381
I-Pentane: 0.0163
N-Pentane: 0.0129
Hexane+: 0.1281

BTU: 1029.2
GPM: 17.2050
SPG: 0.5785



Well Name: CITY OF FARMINGTON 2;
 API #: 3004526735
 Source: CASING
 Sample Type: GAS
 Analysis No: SB2021079
 Cust No: 69350-10390

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: CITY OF FARMINGTON 2; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004526735

Source: CASING
 Well Flowing: Y
 Pressure: 165 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 78 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/12/2021
 Sample Time: 4.55 PM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.9413	0.9239	0.1040	0.00	0.0091
CO2	0.2977	0.2922	0.0510	0.00	0.0045
Methane	80.9490	79.4552	13.7710	817.58	0.4484
Ethane	8.7546	8.5930	2.3490	154.93	0.0909
Propane	4.9906	4.8985	1.3800	125.57	0.0760
Iso-Butane	0.5681	0.5576	0.1870	18.47	0.0114
N-Butane	1.5463	1.5178	0.4890	50.44	0.0310
I-Pentane	0.4474	0.4391	0.1640	17.90	0.0111
N-Pentane	0.4681	0.4595	0.1700	18.76	0.0117
Hexane Plus	1.0369	1.0178	0.4640	54.66	0.0343
Total	100.0000	98.1546	19.1290	1258.32	0.7284

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0037
 BTU/CU.FT IDEAL: 1261.2
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1265.9
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1243.9
 DRY BTU @ 15.025: 1291.3
 REAL SPECIFIC GRAVITY: 0.7308

CYLINDER #: 101
 CYLINDER PRESSURE: 153 PSIG
 ANALYSIS DATE: 05/19/2021
 ANALYSIS TIME: 10:33:33 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: 05/20/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease:	CITY OF FARMINGTON 2; CSG	CASING	05/20/2021
Stn. No.:	3004526735		69350-10390
Mtr. No.:			

Smpl Date: 05/12/2021
Test Date: 05/19/2021
Run No: SB2021079

Nitrogen: 0.9413
CO2: 0.2977
Methane: 80.9490
Ethane: 8.7546
Propane: 4.9906
I-Butane: 0.5681
N-Butane: 1.5463
I-Pentane: 0.4474
N-Pentane: 0.4681
Hexane+: 1.0369

BTU: 1265.9
GPM: 19.1290
SPG: 0.7308



Well Name: CITY OF FARMINGTON 2;
 API #: 3004526735
 Source: TUBING
 Sample Type: GAS
 Analysis No: SB2021080
 Cust No: 69350-10395

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: CITY OF FARMINGTON 2; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004526735

Source: TUBING
 Well Flowing: Y
 Pressure: 147 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 78 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/12/2021
 Sample Time: 4.50 PM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.8865	0.8759	0.0980	0.00	0.0086
CO2	0.9730	0.9614	0.1670	0.00	0.0148
Methane	78.5298	77.5923	13.3580	793.15	0.4350
Ethane	11.0759	10.9437	2.9720	196.01	0.1150
Propane	5.4661	5.4009	1.5110	137.53	0.0832
Iso-Butane	0.6562	0.6484	0.2150	21.34	0.0132
N-Butane	1.3175	1.3018	0.4170	42.98	0.0264
I-Pentane	0.3120	0.3083	0.1140	12.48	0.0078
N-Pentane	0.2663	0.2631	0.0970	10.68	0.0066
Hexane Plus	0.5167	0.5105	0.2310	27.24	0.0171
Total	100.0000	98.8063	19.1800	1241.41	0.7277

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0036
 BTU/CU.FT IDEAL: 1244.3
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1248.8
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1227.1
 DRY BTU @ 15.025: 1273.8
 REAL SPECIFIC GRAVITY: 0.73

CYLINDER #: 1091
 CYLINDER PRESSURE: 140 PSIG
 ANALYSIS DATE: 05/19/2021
 ANALYSIS TIME: 10:47:22 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: 05/20/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease:	CITY OF FARMINGTON 2; TBG	TUBING	05/20/2021
Stn. No.:	3004526735		69350-10395
Mtr. No.:			

Smpl Date: 05/12/2021
Test Date: 05/19/2021
Run No: SB2021080

Nitrogen: 0.8865
CO2: 0.9730
Methane: 78.5298
Ethane: 11.0759
Propane: 5.4661
I-Butane: 0.6562
N-Butane: 1.3175
I-Pentane: 0.3120
N-Pentane: 0.2663
Hexane+: 0.5167

BTU: 1248.8
GPM: 19.1800
SPG: 0.7300

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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 30402

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 30402
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

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