



Well Name: MARSROW GC #1; BHD
 API #: 3004508335
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: SB20240111
 Cust No: 69350-11065

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: MARSROW GC #1; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004508335

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 168 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 78 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 10/10/2024
 Sample Time: 11.45 AM
 Sampled By: HEATHER
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3608	0.3585	0.0400	0.00	0.0035
CO2	0.0015	0.0015	0.0000	0.00	0.0000
Methane	95.0239	94.4213	16.1420	959.74	0.5263
Ethane	3.4421	3.4203	0.9220	60.91	0.0357
Propane	0.7265	0.7219	0.2010	18.28	0.0111
Iso-Butane	0.0977	0.0971	0.0320	3.18	0.0020
N-Butane	0.1193	0.1185	0.0380	3.89	0.0024
I-Pentane	0.0455	0.0452	0.0170	1.82	0.0011
N-Pentane	0.0224	0.0223	0.0080	0.90	0.0006
Hexane Plus	0.1603	0.1593	0.0720	8.45	0.0053
Total	100.0000	99.3659	17.4720	1057.17	0.5880

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0023
 BTU/CU.FT IDEAL: 1059.6
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1062.1
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1043.6
 DRY BTU @ 15.025: 1083.4
 REAL SPECIFIC GRAVITY: 0.5891

CYLINDER #: 1492
 CYLINDER PRESSURE: 154 PSIG
 ANALYSIS DATE: 10/17/2024
 ANALYSIS TIME: 10:48:57 AM
 ANALYSIS RUN BY: SARAH BALLARD

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: 10/21/2024

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: MARSROW GC #1; BHD
Stn. No.: 3004508335
Mtr. No.:

BRADENHEAD

10/21/2024
69350-11065

Smpl Date: 10/10/2024
Test Date: 10/17/2024
Run No: SB20240111

Nitrogen: 0.3608
CO2: 0.0015
Methane: 95.0239
Ethane: 3.4421
Propane: 0.7265
I-Butane: 0.0977
N-Butane: 0.1193
I-Pentane: 0.0455
N-Pentane: 0.0224
Hexane+: 0.1603

BTU: 1062.1
GPM: 17.4720
SPG: 0.5891



Well Name: MARSROW GC 1; CSG

API #: 3004508335

Source: CASING

Sample Type: GAS

Analysis No: SB20240112

Cust No: 69350-11070

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: MARSROW GC 1; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004508335

Source: CASING
 Well Flowing: Y
 Pressure: 92 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 78 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 10/10/2024
 Sample Time: 11.50 AM
 Sampled By: S.C
 Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.6050	0.6062	0.0670	0.00	0.0059
CO2	1.5215	1.5245	0.2610	0.00	0.0231
Methane	78.5327	78.6850	13.3610	793.18	0.4350
Ethane	10.5221	10.5425	2.8240	186.21	0.1092
Propane	4.7286	4.7378	1.3070	118.98	0.0720
Iso-Butane	0.6811	0.6824	0.2240	22.15	0.0137
N-Butane	1.4222	1.4250	0.4500	46.40	0.0285
I-Pentane	0.4585	0.4594	0.1680	18.34	0.0114
N-Pentane	0.3332	0.3338	0.1210	13.36	0.0083
Hexane Plus	1.1951	1.1974	0.5350	62.99	0.0396
Total	100.0000	100.1940	19.3180	1261.61	0.7467

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0038
 BTU/CU.FT IDEAL: 1264.5
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1269.3
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1247.2
 DRY BTU @ 15.025: 1294.7
 REAL SPECIFIC GRAVITY: 0.7492

CYLINDER #: 7711
 CYLINDER PRESSURE: 82 PSIG
 ANALYSIS DATE: 10/17/2024
 ANALYSIS TIME: 10:57:05 AM
 ANALYSIS RUN BY: SARAH BALLARD

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: 10/21/2024

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: MARSROW GC 1; CSG
Stn. No.: 3004508335
Mtr. No.:

CASING

10/21/2024
69350-11070

Smpl Date: 10/10/2024
Test Date: 10/17/2024
Run No: SB20240112

Nitrogen: 0.6050
CO2: 1.5215
Methane: 78.5327
Ethane: 10.5221
Propane: 4.7286
I-Butane: 0.6811
N-Butane: 1.4222
I-Pentane: 0.4585
N-Pentane: 0.3332
Hexane+: 1.1951

BTU: 1269.3
GPM: 19.3180
SPG: 0.7492

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 395516

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 395516
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	177 psi on bradenhead - does not appear to be same gas	10/25/2024