



Well Name: ROBERTS 2; BHD
 API #: 3004531066
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: SB2021090
 Cust No: 69350-10445

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: ROBERTS 2; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004531066

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 1 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 67 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/11/2021
 Sample Time: 1.51 PM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N

Remarks: PRESSURED WITH HELIUM TO 30LBS.

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	53.8407	1.7530	5.9330	0.00	0.5207
CO2	0.7494	0.0244	0.1280	0.00	0.0114
Methane	35.6277	1.1600	6.0500	359.84	0.1973
Ethane	3.8914	0.1267	1.0420	68.87	0.0404
Propane	2.0056	0.0653	0.5530	50.46	0.0305
Iso-Butane	0.2887	0.0094	0.0950	9.39	0.0058
N-Butane	0.6818	0.0222	0.2150	22.24	0.0137
I-Pentane	0.2273	0.0074	0.0830	9.09	0.0057
N-Pentane	0.2365	0.0077	0.0860	9.48	0.0059
Hexane Plus	2.4509	0.0798	1.0950	129.19	0.0811
Total	100.0000	3.2559	15.2800	658.56	0.9126

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0019
 BTU/CU.FT IDEAL: 660.1
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 661.3
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 649.8
 DRY BTU @ 15.025: 674.5
 REAL SPECIFIC GRAVITY: 0.9138

CYLINDER #: 77
 CYLINDER PRESSURE: PSIG
 ANALYSIS DATE: 05/19/2021
 ANALYSIS TIME: 12:32:46 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: ROBERTS 2; BHD
Stn. No.: 3004531066
Mtr. No.:

BRADENHEAD

05/20/2021
69350-10445

Smpl Date: 05/11/2021
Test Date: 05/19/2021
Run No: SB2021090

Nitrogen: 53.8407
CO2: 0.7494
Methane: 35.6277
Ethane: 3.8914
Propane: 2.0056
I-Butane: 0.2887
N-Butane: 0.6818
I-Pentane: 0.2273
N-Pentane: 0.2365
Hexane+: 2.4509

BTU: 661.3
GPM: 15.2800
SPG: 0.9138



Well Name: ROBERTS 2; CSG
 API #: 3004531066
 Source: CASING
 Sample Type: GAS
 Analysis No: SB2021091
 Cust No: 69350-10450

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: ROBERTS 2; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004531066

Source: CASING
 Well Flowing: Y
 Pressure: 10 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 67 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/11/2021
 Sample Time: 1.48 PM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N

Remarks: PRESSURED WITH HELIUM TO 30LBS.

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3554	0.1866	0.0390	0.00	0.0034
CO2	2.6459	1.3891	0.4520	0.00	0.0402
Methane	95.8046	50.2969	16.2720	967.63	0.5307
Ethane	0.8354	0.4386	0.2240	14.78	0.0087
Propane	0.1379	0.0724	0.0380	3.47	0.0021
Iso-Butane	0.0269	0.0141	0.0090	0.87	0.0005
N-Butane	0.0383	0.0201	0.0120	1.25	0.0008
I-Pentane	0.0139	0.0073	0.0050	0.56	0.0003
N-Pentane	0.0097	0.0051	0.0040	0.39	0.0002
Hexane Plus	0.1320	0.0693	0.0590	6.96	0.0044
Total	100.0000	52.4995	17.1140	995.91	0.5913

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0021
 BTU/CU.FT IDEAL: 998.2
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1000.3
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 982.9
 DRY BTU @ 15.025: 1020.3
 REAL SPECIFIC GRAVITY: 0.5923

CYLINDER #: 05
 CYLINDER PRESSURE: PSIG
 ANALYSIS DATE: 05/19/2021
 ANALYSIS TIME: 01:17:00 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: 05/20/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: ROBERTS 2; CSG
Stn. No.: 3004531066
Mtr. No.:

CASING

05/20/2021
69350-10450

Smpl Date: 05/11/2021
Test Date: 05/19/2021
Run No: SB2021091

Nitrogen: 0.3554
CO2: 2.6459
Methane: 95.8046
Ethane: 0.8354
Propane: 0.1379
I-Butane: 0.0269
N-Butane: 0.0383
I-Pentane: 0.0139
N-Pentane: 0.0097
Hexane+: 0.1320

BTU: 1000.3
GPM: 17.1140
SPG: 0.5923

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1000 Rio Brazos Rd., Aztec, NM 87410
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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 30427

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 30427
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

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