



Well Name: WD Heath B 1A ; BHD
 API #: API #300452268200
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: SB2021004
 Cust No: 69350-10015

Well/Lease Information

Customer Name:	SIMCOE SOUTH BHD	Source:	BRADENHEAD
Well Name:	WD Heath B 1A ; BHD	Well Flowing:	N
County/State:	SAN JUAN NM	Pressure:	110 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:	NMSF076337	Ambient Temp:	52 DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	API #300452268200 89888	Sample Method:	Purge & Fill
		Sample Date:	03/30/2021
		Sample Time:	10.40 AM
		Sampled By:	ERIC S.
		Sampled by (CO):	ABC
Heat Trace:	N		
Remarks:	PRESSURED WITH HELIUM TO 30LBS		

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4014	0.1359	0.0440	0.00	0.0039
CO2	0.1873	0.0634	0.0320	0.00	0.0028
Methane	86.2947	29.2175	14.6700	871.58	0.4780
Ethane	7.5315	2.5500	2.0200	133.28	0.0782
Propane	3.3511	1.1346	0.9260	84.32	0.0510
Iso-Butane	0.4956	0.1678	0.1630	16.12	0.0099
N-Butane	0.8051	0.2726	0.2550	26.26	0.0162
I-Pentane	0.2342	0.0793	0.0860	9.37	0.0058
N-Pentane	0.1878	0.0636	0.0680	7.53	0.0047
Hexane Plus	0.5113	0.1731	0.2290	26.95	0.0169
Total	100.0000	33.8578	18.4930	1175.41	0.6675

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.003	CYLINDER #:	1080
BTU/CU.FT IDEAL:	1178.1	CYLINDER PRESSURE:	PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1181.7	ANALYSIS DATE:	04/05/2021
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1161.1	ANALYSIS TIME:	11:39:00 AM
DRY BTU @ 15.025:	1205.4	ANALYSIS RUN BY:	RICHARD WILSON
REAL SPECIFIC GRAVITY:	0.6692		

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: 04/06/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: WD Heath B 1A ; BHD
Stn. No.: API
Mtr. No.: 89888

BRADENHEAD

04/06/2021
69350-10015

Smpl Date: 03/30/2021
Test Date: 04/05/2021
Run No: SB2021004

Nitrogen: 0.4014
CO2: 0.1873
Methane: 86.2947
Ethane: 7.5315
Propane: 3.3511
I-Butane: 0.4956
N-Butane: 0.8051
I-Pentane: 0.2342
N-Pentane: 0.1878
Hexane+: 0.5113

BTU: 1181.7
GPM: 18.4930
SPG: 0.6692



Well Name: WD Heath B 1A ; CSG

API #: API #300452268200

Source: CASING

Sample Type: GAS

Analysis No: SB2021005

Cust No: 69350-10020

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: WD Heath B 1A ; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: NMSF076337
 Formation:
 Cust. Stn. No.: API #300452268200
 89888

Source: CASING
 Well Flowing: N
 Pressure: 103 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 52 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 03/30/2021
 Sample Time: 10.35 AM
 Sampled By: ERIC S.
 Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2456	0.2408	0.0270	0.00	0.0024
CO2	0.1357	0.1330	0.0230	0.00	0.0021
Methane	77.1580	75.6430	13.1360	779.30	0.4274
Ethane	9.2935	9.1110	2.4960	164.47	0.0965
Propane	6.1494	6.0287	1.7010	154.73	0.0936
Iso-Butane	1.2130	1.1892	0.3990	39.45	0.0243
N-Butane	2.4793	2.4306	0.7850	80.88	0.0498
I-Pentane	0.9615	0.9426	0.3530	38.47	0.0240
N-Pentane	0.8312	0.8149	0.3030	33.32	0.0207
Hexane Plus	1.5328	1.5027	0.6860	80.79	0.0507
Total	100.0000	98.0365	19.9090	1371.40	0.7914

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0045
 BTU/CU.FT IDEAL: 1374.6
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1380.8
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1356.8
 DRY BTU @ 15.025: 1408.5
 REAL SPECIFIC GRAVITY: 0.7947

CYLINDER #: 26
 CYLINDER PRESSURE: 115 PSIG
 ANALYSIS DATE: 04/05/2021
 ANALYSIS TIME: 11:22:00 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: 04/06/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: WD Heath B 1A ; CSG
Stn. No.: API
Mtr. No.: 89888

CASING

04/06/2021
69350-10020

Smpl Date: 03/30/2021
Test Date: 04/05/2021
Run No: SB2021005

Nitrogen: 0.2456
CO2: 0.1357
Methane: 77.1580
Ethane: 9.2935
Propane: 6.1494
I-Butane: 1.2130
N-Butane: 2.4793
I-Pentane: 0.9615
N-Pentane: 0.8312
Hexane+: 1.5328

BTU: 1380.8
GPM: 19.9090
SPG: 0.7947



Well Name: WD Heath B 1A ; TBG

API #: API #300452268200

Source: TUBING

Sample Type: GAS

Analysis No: SB2021006

Cust No: 69350-10025

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: WD Heath B 1A ; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: NMSF076337
 Formation:
 Cust. Stn. No.: API #300452268200
 89888

Source: TUBING
 Well Flowing: N
 Pressure: 107 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 52 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 03/30/2021
 Sample Time: 10.45 AM
 Sampled By: ERIC S.
 Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4699	0.4646	0.0520	0.00	0.0045
CO2	1.1504	1.1374	0.1970	0.00	0.0175
Methane	77.8290	76.9526	13.2440	786.07	0.4311
Ethane	9.2582	9.1540	2.4850	163.84	0.0961
Propane	6.3720	6.3003	1.7620	160.33	0.0970
Iso-Butane	0.6922	0.6844	0.2270	22.51	0.0139
N-Butane	2.0175	1.9948	0.6380	65.82	0.0405
I-Pentane	0.6929	0.6851	0.2540	27.72	0.0173
N-Pentane	0.5997	0.5929	0.2180	24.04	0.0149
Hexane Plus	0.9182	0.9079	0.4110	48.40	0.0304
Total	100.0000	98.8740	19.4880	1298.73	0.7632

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.004
 BTU/CU.FT IDEAL: 1301.7
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1307.0
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1284.3
 DRY BTU @ 15.025: 1333.2
 REAL SPECIFIC GRAVITY: 0.766

CYLINDER #: 28
 CYLINDER PRESSURE: 107 PSIG
 ANALYSIS DATE: 04/05/2021
 ANALYSIS TIME: 11:48:00 AM
 ANALYSIS RUN BY: SHYANN GALLEGOS

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: 04/06/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: WD Heath B 1A ; TBG
Stn. No.: API
Mtr. No.: 89888

TUBING

04/06/2021
69350-10025

Smpl Date: 03/30/2021
Test Date: 04/05/2021
Run No: SB2021006

Nitrogen: 0.4699
CO2: 1.1504
Methane: 77.8290
Ethane: 9.2582
Propane: 6.3720
I-Butane: 0.6922
N-Butane: 2.0175
I-Pentane: 0.6929
N-Pentane: 0.5997
Hexane+: 0.9182

BTU: 1307.0
GPM: 19.4880
SPG: 0.7660

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
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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

COMMENTS

Action 24029

COMMENTS

Operator:				OGRID:		Action Number:		Action Type:	
	SIMCOE LLC	1199 Main Ave., Suite 101	Durango, CO81301		329736		24029		GAS ANALYSIS

Created By	Comment	Comment Date
mkuehling	accepted for record	04/23/2021

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Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Action 24029

CONDITIONS OF APPROVAL

Operator:				OGRID:	Action Number:	Action Type:
SIMCOE LLC	1199 Main Ave., Suite 101	Durango, CO81301		329736	24029	GAS ANALYSIS
OCD Reviewer				Condition		
mkuehling				None		