



Well Name: JONES A LS 14; BHD
 API #: 3004523768
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: SB2021104
 Cust No: 69350-10515

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: JONES A LS 14; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004523768

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 58 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 82 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 06/03/2021
 Sample Time: 11.20 AM
 Sampled By: CELIA L.
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.5331	1.5242	0.1690	0.00	0.0148
CO2	0.0042	0.0042	0.0010	0.00	0.0001
Methane	85.9219	85.4207	14.6060	867.81	0.4759
Ethane	6.2171	6.1808	1.6670	110.02	0.0645
Propane	3.7590	3.7371	1.0380	94.58	0.0572
Iso-Butane	0.8361	0.8312	0.2740	27.19	0.0168
N-Butane	0.9670	0.9614	0.3060	31.55	0.0194
I-Pentane	0.3015	0.2997	0.1110	12.06	0.0075
N-Pentane	0.1860	0.1849	0.0680	7.46	0.0046
Hexane Plus	0.2741	0.2725	0.1230	14.45	0.0091
Total	100.0000	99.4167	18.3630	1165.12	0.6700

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.003
 BTU/CU.FT IDEAL: 1167.8
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1171.3
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1150.9
 DRY BTU @ 15.025: 1194.8
 REAL SPECIFIC GRAVITY: 0.6717

CYLINDER #: 037
 CYLINDER PRESSURE: 55 PSIG
 ANALYSIS DATE: 06/16/2021
 ANALYSIS TIME: 07:49:59 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: 06/17/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: JONES A LS 14; BHD
Stn. No.: 3004523768
Mtr. No.:

BRADENHEAD

06/17/2021
69350-10515

Smpl Date: 06/03/2021
Test Date: 06/16/2021
Run No: SB2021104

Nitrogen: 1.5331
CO2: 0.0042
Methane: 85.9219
Ethane: 6.2171
Propane: 3.7590
I-Butane: 0.8361
N-Butane: 0.9670
I-Pentane: 0.3015
N-Pentane: 0.1860
Hexane+: 0.2741

BTU: 1171.3
GPM: 18.3630
SPG: 0.6717



Well Name: JONES A LS 14; CSG

API #: 3004523768

Source: CASING

Sample Type: GAS

Analysis No: SB2021105

Cust No: 69350-10520

Well/Lease Information

Customer Name: SIMCOE SOUTH BHD
 Well Name: JONES A LS 14; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3004523768

Source: CASING
 Well Flowing: Y
 Pressure: 10 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 82 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 06/03/2021
 Sample Time: 11.16 AM
 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	0.2928	0.1559	0.0320	0.00	0.0028
CO2	0.5922	0.3153	0.1010	0.00	0.0090
Methane	87.9244	46.8134	14.9470	888.04	0.4870
Ethane	5.5388	2.9490	1.4850	98.02	0.0575
Propane	3.1989	1.7032	0.8840	80.49	0.0487
Iso-Butane	0.6410	0.3413	0.2100	20.84	0.0129
N-Butane	0.7971	0.4244	0.2520	26.00	0.0160
I-Pentane	0.2742	0.1460	0.1010	10.97	0.0068
N-Pentane	0.1386	0.0738	0.0500	5.56	0.0035
Hexane Plus	0.6020	0.3205	0.2690	31.73	0.0199
Total	100.0000	53.2428	18.3310	1161.65	0.6641

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.003
 BTU/CU.FT IDEAL: 1164.3
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1167.8
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1147.5
 DRY BTU @ 15.025: 1191.2
 REAL SPECIFIC GRAVITY: 0.6658

CYLINDER #: 039
 CYLINDER PRESSURE: PSIG
 ANALYSIS DATE: 06/16/2021
 ANALYSIS TIME: 08:02:26 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: 06/17/2021

GC Method: C6+ Gas



SIMCOE SOUTH BHD
WELL ANALYSIS COMPARISON

Lease: JONES A LS 14; CSG
Stn. No.: 3004523768
Mtr. No.:

CASING

06/17/2021
69350-10520

Smpl Date: 06/03/2021
Test Date: 06/16/2021
Run No: SB2021105

Nitrogen: 0.2928
CO2: 0.5922
Methane: 87.9244
Ethane: 5.5388
Propane: 3.1989
I-Butane: 0.6410
N-Butane: 0.7971
I-Pentane: 0.2742
N-Pentane: 0.1386
Hexane+: 0.6020

BTU: 1167.8
GPM: 18.3310
SPG: 0.6658

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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 37228

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 37228
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	bradenhead and production casing has similar gas	8/3/2021