



2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: RO190007
Cust No: 69010-10145

30-039-23041

Well/Lease Information

Customer Name: RIM OPERATING
Well Name: SCHMITZ 2; CSG
County/State: RIO ARRIBA NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.:

Source: CASING
Well Flowing: Y
Pressure: 147 PSIG
Flow Temp: DEG. F
Ambient Temp: 76 DEG. F
Flow Rate: MCF/D
Sample Method:
Sample Date: 07/30/2019
Sample Time: 9.35 AM
Sampled By: CELIA L.
Sampled by (CO): ABC

Heat Trace: N
Remarks:

NMOC
OCT 17 2019
DISTRICT III

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.6671	0.6641	0.0740	0.00	0.0065
CO2	0.7745	0.7710	0.1330	0.00	0.0118
Methane	76.6993	76.3557	13.0500	774.66	0.4248
Ethane	11.9489	11.8953	3.2070	211.46	0.1241
Propane	5.6537	5.6284	1.5630	142.25	0.0861
Iso-Butane	0.8218	0.8181	0.2700	26.72	0.0165
N-Butane	1.7801	1.7721	0.5630	58.07	0.0357
I-Pentane	0.5503	0.5478	0.2020	22.02	0.0137
N-Pentane	0.4590	0.4569	0.1670	18.40	0.0114
Hexane Plus	0.6453	0.6424	0.2890	34.01	0.0214
Total	100.0000	99.5518	19.5180	1287.60	0.7519

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0039
BTU/CU.FT IDEAL: 1290.6
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1295.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1273.1
DRY BTU @ 15.025: 1321.5
REAL SPECIFIC GRAVITY: 0.7545

CYLINDER #: 018
CYLINDER PRESSURE: 96 PSIG
ANALYSIS DATE: 07/31/2019
ANALYSIS TIME: 01:50:19 PM
ANALYSIS RUN BY: Celia Lobato

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: 07/31/2019

GC Method: C6+ Gas



RIM OPERATING
WELL ANALYSIS COMPARISON

Lease: SCHMITZ 2; CSG
Stn. No.:
Mtr. No.:

CASING

07/31/2019
69010-10145

Smpl Date: 07/30/2019
Test Date: 07/31/2019
Run No: RO190007
Nitrogen: 0.6671
CO2: 0.7745
Methane: 76.6993
Ethane: 11.9489
Propane: 5.6537
I-Butane: 0.8218
N-Butane: 1.7801
I-Pentane: 0.5503
N-Pentane: 0.4590
Hexane+: 0.6453
BTU: 1295.6
GPM: 19.5180
SPG: 0.7545



2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: RO190006
Cust No: 69010-10140

Well/Lease Information

Customer Name: RIM OPERATING
Well Name: SCHMITZ 2; BHD
County/State: RIO ARRIBA NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.:

Source: BRADENHEAD
Well Flowing: Y
Pressure: 7 PSIG
Flow Temp: DEG. F
Ambient Temp: 76 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 07/30/2019
Sample Time: 9.25 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	0.6167	0.2524	0.0680	0.00	0.0060
CO2	0.0271	0.0111	0.0050	0.00	0.0004
Methane	79.3252	32.4682	13.4960	801.18	0.4394
Ethane	10.1604	4.1587	2.7270	179.81	0.1055
Propane	5.4680	2.2381	1.5120	137.58	0.0833
Iso-Butane	1.0237	0.4190	0.3360	33.29	0.0205
N-Butane	1.6550	0.6774	0.5240	53.99	0.0332
I-Pentane	0.6057	0.2479	0.2220	24.23	0.0151
N-Pentane	0.4625	0.1893	0.1680	18.54	0.0115
Hexane Plus	0.6557	0.2684	0.2930	34.56	0.0217
Total	100.0000	40.9305	19.3510	1283.19	0.7366

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0038
BTU/CU.FT IDEAL: 1286.2
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1291.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1268.6
DRY BTU @ 15.025: 1317.0
REAL SPECIFIC GRAVITY: 0.7391

CYLINDER #: 230
CYLINDER PRESSURE: PSIG
ANALYSIS DATE: 07/31/2019
ANALYSIS TIME: 01:58:17 PM
ANALYSIS RUN BY: Celia Lobato

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: 07/31/2019

GC Method: C6+ Gas



RIM OPERATING
WELL ANALYSIS COMPARISON

Lease: SCHMITZ 2; BHD
Stn. No.:
Mtr. No.:

BRADENHEAD

07/31/2019
69010-10140

Smpl Date: 07/30/2019
Test Date: 07/31/2019
Run No: RO190006
Nitrogen: 0.6167
CO2: 0.0271
Methane: 79.3252
Ethane: 10.1604
Propane: 5.4680
I-Butane: 1.0237
N-Butane: 1.6550
I-Pentane: 0.6057
N-Pentane: 0.4625
Hexane+: 0.6557
BTU: 1291.1
GPM: 19.3510
SPG: 0.7391