



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

30-043-20671

Analysis No: SA190004
Cust No: 70300-10060

Well/Lease Information

Customer Name: SAN JUAN RESOURCES
Well Name: ATENCIO #1; BHD
County/State: SANDOVAL NM
Location:
Lease/PA/CA:
Formation: PC
Cust. Stn. No.:

Source: BRADENHEAD
Well Flowing: Y
Pressure: 61 PSIG
Flow Temp: DEG. F
Ambient Temp: DEG. F
Flow Rate: 38 MCF/D
Sample Method: Purge & Fill
Sample Date: 05/24/2019
Sample Time: 1.30 PM
Sampled By: LOREN SCHMITZ
Sampled by (CO): WALSH

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Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.7975	0.7918	0.0880	0.00	0.0077
CO2	0.0239	0.0237	0.0040	0.00	0.0004
Methane	83.5751	82.9815	14.2120	844.11	0.4629
Ethane	7.7266	7.6717	2.0730	136.74	0.0802
Propane	4.4960	4.4641	1.2420	113.12	0.0685
Iso-Butane	0.9555	0.9487	0.3140	31.07	0.0192
N-Butane	1.1265	1.1185	0.3560	36.75	0.0226
I-Pentane	0.4188	0.4158	0.1540	16.76	0.0104
N-Pentane	0.2764	0.2744	0.1000	11.08	0.0069
Hexane Plus	0.6037	0.5994	0.2700	31.82	0.0200
Total	100.0000	99.2896	18.8130	1221.45	0.6987

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
BTU/CU.FT IDEAL: 1224.3
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1228.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1206.9
DRY BTU @ 15.025: 1252.9
REAL SPECIFIC GRAVITY: 0.7008

CYLINDER #: 6041
CYLINDER PRESSURE: 60 PSIG
ANALYSIS DATE: 06/04/2019
ANALYSIS TIME: 04:03:45 PM
ANALYSIS RUN BY: PATRICIA KING

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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: 06/07/2019

GC Method: C6+ Gas



SAN JUAN RESOURCES
WELL ANALYSIS COMPARISON

Lease: ATENCIO #1; BHD
Stn. No.: 30-043-20671
Mtr. No.:

BRADENHEAD
PC

06/07/2019
70300-10060

Smpl Date:	05/24/2019	04/07/2016
Test Date:	06/04/2019	04/07/2016
Run No:	SA190004	SA160001
Nitrogen:	0.7975	0.8110
CO2:	0.0239	0.0510
Methane:	83.5751	84.5043
Ethane:	7.7266	7.4149
Propane:	4.4960	4.1719
I-Butane:	0.9555	0.8660
N-Butane:	1.1265	0.9810
I-Pentane:	0.4188	0.3450
N-Pentane:	0.2764	0.2230
Hexane+:	0.6037	0.6320
BTU:	1228.3	1212.6
GPM:	18.8130	18.6930
SPG:	0.7008	0.6913

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2030 Afton Place
Farmington, NM 87401
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Analysis No: SA190006
Cust No: 70300-10070

Well/Lease Information

Customer Name: SAN JUAN RESOURCES
Well Name: ATENCIO #1; TBG
County/State: SANDOVAL NM
Location: 30-043-20671
Lease/PA/CA:
Formation: PC
Cust. Stn. No.:

Source: TUBING
Well Flowing: Y
Pressure: 25 PSIG
Flow Temp: DEG. F
Ambient Temp: DEG. F
Flow Rate: 38 MCF/D
Sample Method: Purge & Fill
Sample Date: 05/24/2019
Sample Time: 1.30 PM
Sampled By: LOREN SCHMITZ
Sampled by (CO): WASH

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.8569	0.8475	0.0950	0.00	0.0083
CO2	0.0296	0.0293	0.0050	0.00	0.0004
Methane	83.5784	82.6588	14.2120	844.14	0.4629
Ethane	7.7086	7.6238	2.0680	136.42	0.0800
Propane	4.4642	4.4151	1.2340	112.32	0.0680
Iso-Butane	0.9445	0.9341	0.3100	30.71	0.0190
N-Butane	1.1173	1.1050	0.3530	36.45	0.0224
I-Pentane	0.4120	0.4075	0.1510	16.48	0.0103
N-Pentane	0.2732	0.2702	0.0990	10.95	0.0068
Hexane Plus	0.6153	0.6085	0.2750	32.43	0.0204
Total	100.0000	98.8998	18.8020	1219.92	0.6985

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
BTU/CU.FT IDEAL: 1222.7
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1226.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1205.5
DRY BTU @ 15.025: 1251.4
REAL SPECIFIC GRAVITY: 0.7005

CYLINDER #: 6181
CYLINDER PRESSURE: 24 PSIG
ANALYSIS DATE: 06/04/2019
ANALYSIS TIME: 04:16:42 PM
ANALYSIS RUN BY: PATRICIA KING

GPM, BTU, and SPG calculations as shown above are based on current GPA constants.

GPA Standard: GPA-2261

GC: Danalyzer Model 500

GC Method: C6+ Gas

Last Cal/Verify: 06/07/2019

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SAN JUAN RESOURCES
WELL ANALYSIS COMPARISON

Lease: ATENCIO #1; TBG
Stn. No.: 30-043-20671
Mtr. No.:

TUBING
PC

06/07/2019
70300-10070

Smpl Date:	05/24/2019	04/07/2016
Test Date:	06/04/2019	04/07/2016
Run No:	SA190006	SA160003
Nitrogen:	0.8569	0.7930
CO2:	0.0296	0.0500
Methane:	83.5784	84.0458
Ethane:	7.7086	7.5201
Propane:	4.4642	4.3030
I-Butane:	0.9445	0.9280
N-Butane:	1.1173	1.0790
I-Pentane:	0.4120	0.4040
N-Pentane:	0.2732	0.2680
Hexane+:	0.6153	0.6090
BTU:	1226.8	1221.4
GPM:	18.8020	18.7580
SPG:	0.7005	0.6967

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2030 Afton Place
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Analysis No: SA190005
Cust No: 70300-10065

Well/Lease Information

Customer Name: SAN JUAN RESOURCES
Well Name: ATENCIO #1; CSG
County/State: SANDOVAL NM
Location: 30-043-20671
Lease/PA/CA:
Formation: PC
Cust. Stn. No.:

Source: CASING
Well Flowing: Y
Pressure: 61 PSIG
Flow Temp: DEG. F
Ambient Temp: DEG. F
Flow Rate: 38 MCF/D
Sample Method: Purge & Fill
Sample Date: 05/24/2019
Sample Time: 1.30 PM
Sampled By: LOREN SCHMITZ
Sampled by (CO): WALSH

Heat Trace:
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.8056	0.7946	0.0890	0.00	0.0078
CO2	0.0356	0.0351	0.0060	0.00	0.0005
Methane	83.3926	82.2559	14.1820	842.27	0.4619
Ethane	7.7029	7.5979	2.0670	136.32	0.0800
Propane	4.4864	4.4252	1.2400	112.88	0.0683
Iso-Butane	0.9546	0.9416	0.3130	31.04	0.0192
N-Butane	1.1272	1.1118	0.3560	36.77	0.0226
I-Pentane	0.4207	0.4150	0.1540	16.83	0.0105
N-Pentane	0.2773	0.2735	0.1010	11.12	0.0069
Hexane Plus	0.7971	0.7862	0.3570	42.02	0.0264
Total	100.0000	98.6368	18.8650	1229.24	0.7041

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0034
BTU/CU.FT IDEAL: 1232.1
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1236.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1214.8
DRY BTU @ 15.025: 1261.1
REAL SPECIFIC GRAVITY: 0.7062

CYLINDER #: 6027
CYLINDER PRESSURE: 61 PSIG
ANALYSIS DATE: 06/04/2019
ANALYSIS TIME: 04:33:53 PM
ANALYSIS RUN BY: PATRICIA KING

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: 06/07/2019

GC Method: C6+ Gas

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JUN 19 2019

DISTRICT III



SAN JUAN RESOURCES
WELL ANALYSIS COMPARISON

Lease: ATENCIO #1; CSG
Stn. No.: 30-043-20671
Mtr. No.:

CASING
PC

06/07/2019
70300-10065

Smpl Date:	05/24/2019	04/07/2016
Test Date:	06/04/2019	04/07/2016
Run No:	SA190005	SA160002
Nitrogen:	0.8056	0.8160
CO2:	0.0356	0.0330
Methane:	83.3926	84.1040
Ethane:	7.7029	7.5360
Propane:	4.4864	4.2390
I-Butane:	0.9546	0.8880
N-Butane:	1.1272	1.0060
I-Pentane:	0.4207	0.3620
N-Pentane:	0.2773	0.2360
Hexane+:	0.7971	0.7800
BTU:	1236.3	1223.1
GPM:	18.8650	18.7680
SPG:	0.7062	0.6978

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