



Well Name: ATENCIO #1; BHD
 API #: 30-043-20671
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: SA20220009
 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. Str. No.: 30-043-20671

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 8 PSIG
 Flow Temp: DEG. F
 Ambient Temp: DEG. F
 Flow Rate: 48 MCF/D
 Sample Method: Purge & Fill
 Sample Date: 12/06/2022
 Sample Time: 4.43 PM
 Sampled By: LOREN SCHMITZ
 Sampled by (CO): WALSH

Heat Trace: N
 Remarks: PRESSURED WITH HELIUM TO 30 LBS.

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	6.6580	2.6636	0.7350	0.00	0.0644
CO2	0.0725	0.0290	0.0120	0.00	0.0011
Methane	78.8124	31.5300	13.4000	796.01	0.4365
Ethane	6.5832	2.6337	1.7660	116.50	0.0683
Propane	3.9574	1.5832	1.0930	99.57	0.0603
Iso-Butane	0.9079	0.3632	0.2980	29.52	0.0182
N-Butane	1.1818	0.4728	0.3740	38.55	0.0237
I-Pentane	0.5732	0.2293	0.2100	22.93	0.0143
N-Pentane	0.4097	0.1639	0.1490	16.42	0.0102
Hexane Plus	0.8439	0.3376	0.3770	44.48	0.0279
Total	100.0000	40.0063	18.4140	1164.00	0.7250

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0032
 BTU/CU.FT IDEAL: 1166.7
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1170.4
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1150.0
 DRY BTU @ 15.025: 1193.8
 REAL SPECIFIC GRAVITY: 0.727

CYLINDER #: 6148
 CYLINDER PRESSURE: PSIG
 ANALYSIS DATE: 12/13/2022
 ANALYSIS TIME: 02:25:17 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: 12/13/2022

GC Method: C6+ Gas



SAN JUAN RESOURCES
WELL ANALYSIS COMPARISON

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

BRADENHEAD
 PC

12/13/2022
 70300-10060

Smpl Date:	12/06/2022	04/22/2022	05/24/2019	04/07/2016
Test Date:	12/13/2022	05/03/2022	06/04/2019	04/07/2016
Run No:	SA20220009	SA20220001	SA190004	SA160001
Nitrogen:	6.6580	0.7901	0.7975	0.8110
CO2:	0.0725	0.0549	0.0239	0.0510
Methane:	78.8124	83.5872	83.5751	84.5043
Ethane:	6.5832	7.7136	7.7266	7.4149
Propane:	3.9574	4.4922	4.4960	4.1719
I-Butane:	0.9079	0.9641	0.9555	0.8660
N-Butane:	1.1818	1.1382	1.1265	0.9810
I-Pentane:	0.5732	0.4295	0.4188	0.3450
N-Pentane:	0.4097	0.2849	0.2764	0.2230
Hexane+:	0.8439	0.5453	0.6037	0.6320
BTU:	1170.4	1226.5	1228.3	1212.6
GPM:	18.4140	18.8020	18.8130	18.6930
SPG:	0.7270	0.7000	0.7008	0.6913



Well Name: ATENCIO #1; CSG
 API #: 30-043-20671
 Source: CASING
 Sample Type: GAS
 Analysis No: SA20220010
 Cust No: 70300-10065

Well/Lease Information

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

Source: CASING
 Well Flowing: Y
 Pressure: 32 PSIG
 Flow Temp: DEG. F
 Ambient Temp: DEG. F
 Flow Rate: 48 MCF/D
 Sample Method: Purge & Fill
 Sample Date: 12/06/2022
 Sample Time: 2.15 PM
 Sampled By: LOREN SCHMITZ
 Sampled by (CO): WALSH

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.7576	0.7361	0.0840	0.00	0.0073
CO2	0.0081	0.0079	0.0010	0.00	0.0001
Methane	80.9566	78.6628	13.7770	817.66	0.4484
Ethane	7.4563	7.2450	2.0020	131.95	0.0774
Propane	4.7240	4.5902	1.3060	118.86	0.0719
Iso-Butane	1.2080	1.1738	0.3970	39.28	0.0242
N-Butane	1.5892	1.5442	0.5030	51.84	0.0319
I-Pentane	0.8964	0.8710	0.3290	35.86	0.0223
N-Pentane	0.6956	0.6759	0.2530	27.88	0.0173
Hexane Plus	1.7082	1.6598	0.7650	90.04	0.0565
Total	100.0000	97.1667	19.4170	1313.39	0.7575

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0041
 BTU/CU.FT IDEAL: 1316.4
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1321.9
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1298.9
 DRY BTU @ 15.025: 1348.4
 REAL SPECIFIC GRAVITY: 0.7603

CYLINDER #: 6039
 CYLINDER PRESSURE: 34 PSIG
 ANALYSIS DATE: 12/13/2022
 ANALYSIS TIME: 02:33:25 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

GC Method: C6+ Gas

Last Cal/Verify: 12/13/2022



SAN JUAN RESOURCES
WELL ANALYSIS COMPARISON

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

CASING
 PC

12/13/2022
 70300-10065

Smpl Date:	12/06/2022	04/22/2022	05/24/2019	04/07/2016
Test Date:	12/13/2022	05/03/2022	06/04/2019	04/07/2016
Run No:	SA20220010	SA20220002	SA190005	SA160002
Nitrogen:	0.7576	0.7900	0.8056	0.8160
CO2:	0.0081	0.0780	0.0356	0.0330
Methane:	80.9566	83.5038	83.3926	84.1040
Ethane:	7.4563	7.7116	7.7029	7.5360
Propane:	4.7240	4.4905	4.4864	4.2390
I-Butane:	1.2080	0.9646	0.9546	0.8880
N-Butane:	1.5892	1.1418	1.1272	1.0060
I-Pentane:	0.8964	0.4338	0.4207	0.3620
N-Pentane:	0.6956	0.2908	0.2773	0.2360
Hexane+:	1.7082	0.5951	0.7971	0.7800
BTU:	1321.9	1228.7	1236.3	1223.1
GPM:	19.4170	18.8190	18.8650	18.7680
SPG:	0.7603	0.7018	0.7062	0.6978



Well Name: ATENCIO #1; TBG
 API #: 30-043-20671
 Source: TUBING
 Sample Type: GAS
 Analysis No: SA20220011
 Cust No: 70300-10070

Well/Lease Information

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

Source: TUBING
 Well Flowing: Y
 Pressure: 22 PSIG
 Flow Temp: DEG. F
 Ambient Temp: DEG. F
 Flow Rate: 48 MCF/D
 Sample Method: Purge & Fill
 Sample Date: 12/06/2022
 Sample Time: 2.00 PM
 Sampled By: LOREN SCHMITZ
 Sampled by (CO): WALSH

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.7769	0.7484	0.0860	0.00	0.0075
CO2	0.0516	0.0497	0.0090	0.00	0.0008
Methane	83.6010	80.5292	14.2160	844.37	0.4631
Ethane	7.7268	7.4429	2.0730	136.74	0.0802
Propane	4.4738	4.3094	1.2360	112.57	0.0681
Iso-Butane	0.9466	0.9118	0.3110	30.78	0.0190
N-Butane	1.1187	1.0776	0.3540	36.50	0.0225
I-Pentane	0.4145	0.3993	0.1520	16.58	0.0103
N-Pentane	0.2748	0.2647	0.1000	11.02	0.0068
Hexane Plus	0.6153	0.5927	0.2750	32.43	0.0204
Total	100.0000	96.3257	18.8120	1220.99	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: 1223.8
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1227.9
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1206.5
 DRY BTU @ 15.025: 1252.5
 REAL SPECIFIC GRAVITY: 0.7007

CYLINDER #: 038
 CYLINDER PRESSURE: 21 PSIG
 ANALYSIS DATE: 12/13/2022
 ANALYSIS TIME: 02:37:28 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: 12/13/2022

GC Method: C6+ Gas



SAN JUAN RESOURCES
WELL ANALYSIS COMPARISON

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

TUBING
 PC

12/13/2022
 70300-10070

Smpl Date:	12/06/2022	04/22/2022	05/24/2019	04/07/2016
Test Date:	12/13/2022	05/03/2022	06/04/2019	04/07/2016
Run No:	SA20220011	SA20220003	SA190006	SA160003
Nitrogen:	0.7769	0.7876	0.8569	0.7930
CO2:	0.0516	0.0861	0.0296	0.0500
Methane:	83.6010	83.5336	83.5784	84.0458
Ethane:	7.7268	7.7236	7.7086	7.5201
Propane:	4.4738	4.4980	4.4642	4.3030
I-Butane:	0.9466	0.9631	0.9445	0.9280
N-Butane:	1.1187	1.1366	1.1173	1.0790
I-Pentane:	0.4145	0.4263	0.4120	0.4040
N-Pentane:	0.2748	0.2822	0.2732	0.2680
Hexane+:	0.6153	0.5629	0.6153	0.6090
BTU:	1227.9	1226.9	1226.8	1221.4
GPM:	18.8120	18.8080	18.8020	18.7580
SPG:	0.7007	0.7007	0.7005	0.6967

District I
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
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 166802

CONDITIONS

Operator: SAN JUAN RESOURCES, INC. 1499 Blake St, #10C Denver, CO 80202	OGRID: 20208
	Action Number: 166802
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	for record only	1/5/2023