



30-045-21674

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

Analysis No: SA170006
Cust No: 70300-10115

Well/Lease Information

Customer Name: SAN JUAN RESOURCES
Well Name: APPERSON #1; BHD
County/State:
Location:
Field:
Formation:
Cust. Stn. No.:

Source: BRADENHEAD
Pressure: 70 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 05/08/2017
Sampled By: JUSTIN STONE
Foreman/Engr.:

OIL CONS. DIV DIST. 3
MAY 24 2017

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.397	0.0440	0.00	0.0038
CO2	0.016	0.0030	0.00	0.0002
Methane	86.446	14.6970	873.11	0.4788
Ethane	7.216	1.9350	127.70	0.0749
Propane	3.034	0.8380	76.34	0.0462
Iso-Butane	0.613	0.2010	19.93	0.0123
N-Butane	0.875	0.2770	28.54	0.0176
I-Pentane	0.396	0.1450	15.84	0.0099
N-Pentane	0.257	0.0930	10.30	0.0064
Hexane Plus	0.750	0.3350	39.53	0.0248
Total	100.000	18.5680	1191.30	0.6750

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1197.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1177.0
REAL SPECIFIC GRAVITY: 0.6768

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

DRY BTU @ 14.650: 1191.3
DRY BTU @ 14.696: 1195.0
DRY BTU @ 14.730: 1197.8
DRY BTU @ 15.025: 1221.8

CYLINDER #: 4043
CYLINDER PRESSURE: 20 PSIG
DATE RUN: 5/16/17 12:00 AM
ANALYSIS RUN BY: RICHARD WILSON

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SAN JUAN RESOURCES
WELL ANALYSIS COMPARISON

Lease: APPERSON #1; BHD
Stn. No.:
Mtr. No.:

BRADENHEAD

05/18/2017
70300-10115

Smpl Date: 05/08/2017
Test Date: 05/16/2017
Run No: SA170006
Nitrogen: 0.397
CO2: 0.016
Methane: 86.446
Ethane: 7.216
Propane: 3.034
I-Butane: 0.613
N-Butane: 0.875
I-Pentane: 0.396
N-Pentane: 0.257
Hexane+: 0.750
BTU: 1197.8
GPM: 18.5680
SPG: 0.6768



30-045-21674

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

Analysis No: SA170005
Cust No: 70300-10110

Well/Lease Information

Customer Name: SAN JUAN RESOURCES
Well Name: APPERSON #1; CSG
County/State:
Location:
Field:
Formation:
Cust. Stn. No.:

Source: CASING
Pressure: 305 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 05/08/2017
Sampled By: JUSTIN STONE
Foreman/Engr.:

OIL CONS. DIV DIST. 3
MAY 24 2017

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.397	0.0440	0.00	0.0038
CO2	1.559	0.2670	0.00	0.0237
Methane	85.084	14.4640	859.35	0.4713
Ethane	8.474	2.2720	149.96	0.0880
Propane	2.637	0.7280	66.35	0.0401
Iso-Butane	0.368	0.1210	11.97	0.0074
N-Butane	0.620	0.1960	20.23	0.0124
I-Pentane	0.212	0.0780	8.48	0.0053
N-Pentane	0.179	0.0650	7.18	0.0045
Hexane Plus	0.470	0.2100	24.77	0.0156
Total	100.000	18.4450	1148.28	0.6721

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.003
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1154.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1134.3
REAL SPECIFIC GRAVITY: 0.6738

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

DRY BTU @ 14.650: 1148.1
DRY BTU @ 14.696: 1151.7
DRY BTU @ 14.730: 1154.4
DRY BTU @ 15.025: 1177.5

CYLINDER #: 4020
CYLINDER PRESSURE: 308 PSIG
DATE RUN: 5/16/17 8:02 AM
ANALYSIS RUN BY: RICHARD WILSON



SAN JUAN RESOURCES
WELL ANALYSIS COMPARISON

Lease: APPERSON #1; CSG
Stn. No.:
Mtr. No.:

CASING

05/18/2017
70300-10110

Smpl Date: 05/08/2017
Test Date: 05/16/2017
Run No: SA170005

Nitrogen: 0.397
CO2: 1.559
Methane: 85.084
Ethane: 8.474
Propane: 2.637
I-Butane: 0.368
N-Butane: 0.620
I-Pentane: 0.212
N-Pentane: 0.179
Hexane+: 0.470

BTU: 1154.4
GPM: 18.4450
SPG: 0.6738