



30-045-30818

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

Analysis No: SA170009
Cust No: 70300-10130

Well/Lease Information

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

Source: BRADENHEAD
Pressure: PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 05/10/2017
Sampled By: JUSTIN STONE
Foreman/Engr.: JOHN HAMPTON JR

OIL CONS. DIV DIST. 3

MAY 24 2017

Remarks: PRESSURED WITH HELIUM TO 30 LBS.

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.372	0.2620	0.00	0.0229
CO2	0.016	0.0030	0.00	0.0002
Methane	86.976	14.7810	878.46	0.4818
Ethane	5.913	1.5850	104.64	0.0614
Propane	3.005	0.8300	75.61	0.0458
Iso-Butane	0.445	0.1460	14.47	0.0089
N-Butane	0.637	0.2010	20.78	0.0128
I-Pentane	0.184	0.0670	7.36	0.0046
N-Pentane	0.140	0.0510	5.61	0.0035
Hexane Plus	0.312	0.1390	16.45	0.0103
Total	100.000	18.0650	1123.38	0.6522

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0027

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1129.0

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1109.4

REAL SPECIFIC GRAVITY: 0.6537

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

DRY BTU @ 14.650: 1122.9

DRY BTU @ 14.696: 1126.4

DRY BTU @ 14.730: 1129.0

DRY BTU @ 15.025: 1151.6

CYLINDER #: 4011

CYLINDER PRESSURE: PSIG

DATE RUN: 5/18/17 8:55 AM

ANALYSIS RUN BY: SHYANN ELLEDGE

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SAN JUAN RESOURCES
WELL ANALYSIS COMPARISON

Lease: KAEMP F #1E; BHD
Stn. No.:
Mtr. No.:

BRADENHEAD

05/19/2017
70300-10130

Smpl Date: 05/10/2017
Test Date: 05/18/2017
Run No: SA170009

Nitrogen: 2.372
CO2: 0.016
Methane: 86.976
Ethane: 5.913
Propane: 3.005
I-Butane: 0.445
N-Butane: 0.637
I-Pentane: 0.184
N-Pentane: 0.140
Hexane+: 0.312

BTU: 1129.0
GPM: 18.0650
SPG: 0.6537



30-045-30818

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

Analysis No: SA170010
Cust No: 70300-10135

Well/Lease Information

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

Source: CASING
Pressure: 176 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 05/10/2017
Sampled By: JUSTIN STONE
Foreman/Engr.: JOHN HAMPTON JR

OIL CONS. DIV DIST. 3

MAY 24 2017

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.281	0.0310	0.00	0.0027
CO2	0.317	0.0540	0.00	0.0048
Methane	79.604	13.5430	804.00	0.4409
Ethane	9.571	2.5690	169.38	0.0994
Propane	5.526	1.5280	139.04	0.0841
Iso-Butane	1.427	0.4690	46.40	0.0286
N-Butane	1.552	0.4910	50.63	0.0311
I-Pentane	0.676	0.2480	27.05	0.0168
N-Pentane	0.470	0.1710	18.84	0.0117
Hexane Plus	0.576	0.2580	30.36	0.0191
Total	100.000	19.3620	1285.70	0.7394

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0038

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1293.6

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1271.1

REAL SPECIFIC GRAVITY: 0.7419

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

DRY BTU @ 14.650: 1286.6

DRY BTU @ 14.696: 1290.6

DRY BTU @ 14.730: 1293.6

DRY BTU @ 15.025: 1319.5

CYLINDER #: 5002

CYLINDER PRESSURE: 156 PSIG

DATE RUN: 5/18/17 8:58 AM

ANALYSIS RUN BY: SHYANN ELLEDGE



SAN JUAN RESOURCES
WELL ANALYSIS COMPARISON

Lease: KAEMP F #1E; CSG
Stn. No.:
Mtr. No.:

CASING

05/19/2017
70300-10135

Smpl Date: 05/10/2017
Test Date: 05/18/2017
Run No: SA170010
Nitrogen: 0.281
CO2: 0.317
Methane: 79.604
Ethane: 9.571
Propane: 5.526
I-Butane: 1.427
N-Butane: 1.552
I-Pentane: 0.676
N-Pentane: 0.470
Hexane+: 0.576
BTU: 1293.6
GPM: 19.3620
SPG: 0.7419