



30-045-32765

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

Analysis No: SA170003
Cust No: 70300-10100

Well/Lease Information

Customer Name: SAN JUAN RESOURCES
Well Name: TECUMSEH #1E; INT
County/State: SAN JUAN NM
Location: 18-30N-11W
Field:
Formation: BASIN DK/BLANCO MV
Cust. Stn. No.:

Source: INTERMEDIATE
Pressure: 160 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 04/28/2017
Sampled By: JIMMIE MCKINNEY
Foreman/Engr.: VERN

OIL CONS. DIV DIST. 3
MAY 18 2017

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.796	0.1980	0.00	0.0174
CO2	0.033	0.0060	0.00	0.0005
Methane	82.149	13.9690	829.70	0.4550
Ethane	7.467	2.0030	132.14	0.0775
Propane	5.678	1.5690	142.87	0.0864
Iso-Butane	0.707	0.2320	22.99	0.0142
N-Butane	1.318	0.4170	43.00	0.0264
I-Pentane	0.318	0.1170	12.72	0.0079
N-Pentane	0.242	0.0880	9.70	0.0060
Hexane Plus	0.292	0.1310	15.39	0.0097
Total	100.000	18.7300	1208.52	0.7011

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1215.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1194.2
REAL SPECIFIC GRAVITY: 0.7032

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

DRY BTU @ 14.650: 1208.7
DRY BTU @ 14.696: 1212.5
DRY BTU @ 14.730: 1215.3
DRY BTU @ 15.025: 1239.6

CYLINDER #: 4079
CYLINDER PRESSURE: 133 PSIG
DATE RUN: 5/8/17 11:15 AM
ANALYSIS RUN BY: CAMERON MANGUN

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30-045-32765

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

Analysis No: SA170004
Cust No: 70300-10105

Well/Lease Information

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

Source: CASING
Pressure: 190 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 05/03/2017
Sampled By: JIMMIE MCKINNEY
Foreman/Engr.: VERN

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.207	0.0230	0.00	0.0020
CO2	0.329	0.0560	0.00	0.0050
Methane	82.493	14.0300	833.18	0.4569
Ethane	8.819	2.3660	156.07	0.0916
Propane	3.984	1.1010	100.24	0.0607
Iso-Butane	0.831	0.2730	27.02	0.0167
N-Butane	1.462	0.4620	47.69	0.0293
I-Pentane	0.662	0.2430	26.49	0.0165
N-Pentane	0.542	0.1970	21.73	0.0135
Hexane Plus	0.671	0.3000	35.37	0.0222
Total	100.000	19.0510	1247.79	0.7144

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0035
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1255.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1233.3
REAL SPECIFIC GRAVITY: 0.7166

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

DRY BTU @ 14.650: 1248.3
DRY BTU @ 14.696: 1252.2
DRY BTU @ 14.730: 1255.1
DRY BTU @ 15.025: 1280.2

CYLINDER #: 5029
CYLINDER PRESSURE: 195 PSIG
DATE RUN: 5/11/17 12:23 PM
ANALYSIS RUN BY: CAMERON MANGUN



SAN JUAN RESOURCES
WELL ANALYSIS COMPARISON

Lease: TECUMSEH #1E; CSG
Stn. No.:
Mtr. No.:

CASING
DK

05/11/2017
70300-10105

Smpl Date: 05/03/2017
Test Date: 05/11/2017
Run No: SA170004
Nitrogen: 0.207
CO2: 0.329
Methane: 82.493
Ethane: 8.819
Propane: 3.984
I-Butane: 0.831
N-Butane: 1.462
I-Pentane: 0.662
N-Pentane: 0.542
Hexane+: 0.671
BTU: 1255.1
GPM: 19.0510
SPG: 0.7166