



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

Analysis No: EN140342
Cust No: 73500-14560

30-045-24909

Well/Lease Information

Customer Name: ENERGEN RESOURCES CORP.
Well Name: RICHARDSON 1E TBG
County/State: SAN JUAN
Location:
Field:
Formation: DAKOTA
Cust. Stn. No.: 3132373A

Source: TUBING
Pressure: 97 PSIA
Sample Temp: 78 DEG. F
Well Flowing: Y
Date Sampled: 08/21/2014
Sampled By:
Foreman/Engr.: R. FAIRBANKS

RCVD AUG 28 '14
OIL CONS. DIV.
DIST. 3

Remarks: PACKER IN CASING

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.689	0.0760	0.00	0.0067
CO2	0.896	0.1530	0.00	0.0136
Methane	85.579	14.5500	864.35	0.4740
Ethane	7.556	2.0260	133.72	0.0784
Propane	2.864	0.7910	72.06	0.0436
Iso-Butane	0.437	0.1430	14.21	0.0088
N-Butane	0.740	0.2340	24.14	0.0149
I-Pentane	0.255	0.0940	10.20	0.0064
N-Pentane	0.211	0.0770	8.46	0.0053
Hexane Plus	0.773	0.3460	40.74	0.0256
Total	100.000	18.4900	1167.88	0.6772

* @ 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): 1174.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1153.8
REAL SPECIFIC GRAVITY: 0.679

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

DRY BTU @ 14.650: 1167.8
DRY BTU @ 14.696: 1171.5
DRY BTU @ 14.730: 1174.2
DRY BTU @ 15.025: 1197.7

CYLINDER #: A102
CYLINDER PRESSURE: 86 PSIG
DATE RUN: 8/22/14 12:00 AM
ANALYSIS RUN BY: LOGAN CHENEY



ENERGEN RESOURCES CORP.
WELL ANALYSIS COMPARISON

Lease: RICHARDSON 1E TBG
Str. No.:
Mtr. No.: 3132373A

TUBING
DAKOTA

08/27/2014
73500-14560

Smpl Date: 08/21/2014
Test Date: 08/22/2014
Run No: EN140342
Nitrogen: 0.689
CO2: 0.896
Methane: 85.579
Ethane: 7.556
Propane: 2.864
I-Butane: 0.437
N-Butane: 0.740
I-Pentane: 0.255
N-Pentane: 0.211
Hexane+: 0.773
BTU: 1174.2
GPM: 18.4900
SPG: 0.6790