



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

30-045-24909

Analysis No: EN140341
Cust No: 73500-14555

Well/Lease Information

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

Source: BRADENHEAD
Pressure: 51 PSIA
Sample Temp: 78 DEG. F
Well Flowing: N
Date Sampled: 08/21/2014
Sampled By:
Foreman/Engr.: R. FAIRBANKS

RCVD AUG 28 '14

OIL CONS. DIV.

DIST. 3

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.418	0.0460	0.00	0.0040
CO2	0.028	0.0050	0.00	0.0004
Methane	89.615	15.2300	905.11	0.4964
Ethane	6.021	1.6140	106.55	0.0625
Propane	2.313	0.6390	58.20	0.0352
Iso-Butane	0.428	0.1400	13.92	0.0086
N-Butane	0.551	0.1740	17.98	0.0111
I-Pentane	0.196	0.0720	7.84	0.0049
N-Pentane	0.131	0.0480	5.25	0.0033
Hexane Plus	0.299	0.1340	15.76	0.0099
Total	100.000	18.1020	1130.61	0.6363

* @ 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): 1136.3

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1116.5

REAL SPECIFIC GRAVITY: 0.6377

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

DRY BTU @ 14.650: 1130.1

DRY BTU @ 14.696: 1133.7

DRY BTU @ 14.730: 1136.3

DRY BTU @ 15.025: 1159.1

CYLINDER #: AZT036

CYLINDER PRESSURE: 49 PSIG

DATE RUN: 8/22/14 1:18 PM

ANALYSIS RUN BY: LOGAN CHENEY



ENERGEN RESOURCES CORP.
WELL ANALYSIS COMPARISON

Lease: RICHARDSON 1E BHD
Stn. No.:
Mtr. No.: 3132373A

BRADENHEAD
DAKOTA

08/27/2014
73500-14555

Smpl Date: 08/21/2014
Test Date: 08/22/2014
Run No: EN140341

Nitrogen: 0.418
CO2: 0.028
Methane: 89.615
Ethane: 6.021
Propane: 2.313
I-Butane: 0.428
N-Butane: 0.551
I-Pentane: 0.196
N-Pentane: 0.131
Hexane+: 0.299

BTU: 1136.3
GPM: 18.1020
SPG: 0.6377