



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

Analysis No: DU150698
Cust No: 23000-22595

30-045-24186

Well/Lease Information

Customer Name: DUGAN PRODUCTION CORP.
Well Name: PINION 1E; BHD
County/State:
Location:
Field:
Formation: DAKOTA
Cust. Stn. No.:

Source: BRADENHEAD
Pressure: 15 PSIG
Sample Temp: DEG. F
Well Flowing:
Date Sampled: 10/29/2015
Sampled By:
Foreman/Engr.:

OIL CONS. DIV DIST. 3

NOV 19 2015

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.483	0.1640	0.00	0.0143
CO2	0.374	0.0640	0.00	0.0057
Methane	83.318	14.1660	841.51	0.4615
Ethane	8.465	2.2710	149.81	0.0879
Propane	3.516	0.9720	88.47	0.0535
Iso-Butane	0.635	0.2080	20.65	0.0127
N-Butane	0.944	0.2980	30.80	0.0189
I-Pentane	0.357	0.1310	14.28	0.0089
N-Pentane	0.258	0.0940	10.34	0.0064
Hexane Plus	0.650	0.2910	34.26	0.0215
Total	100.000	18.6590	1190.12	0.6915

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0032
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1196.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1175.9
REAL SPECIFIC GRAVITY: 0.6934

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

DRY BTU @ 14.650: 1190.2
DRY BTU @ 14.696: 1193.9
DRY BTU @ 14.730: 1196.7
DRY BTU @ 15.025: 1220.7

CYLINDER #: 6008
CYLINDER PRESSURE: 17 PSIG
DATE RUN: 11/5/15 8:03 AM
ANALYSIS RUN BY: JENNIFER DEAN



DUGAN PRODUCTION CORP.
WELL ANALYSIS COMPARISON

Lease: PINION 1E; BHD
Stn. No.:
Mtr. No.:

BRADENHEAD
DAKOTA

11/10/2015
23000-22595

Smpl Date: 10/29/2015
Test Date: 11/05/2015
Run No: DU150698

Nitrogen: 1.483
CO2: 0.374
Methane: 83.318
Ethane: 8.465
Propane: 3.516
I-Butane: 0.635
N-Butane: 0.944
I-Pentane: 0.357
N-Pentane: 0.258
Hexane+: 0.650

BTU: 1196.7
GPM: 18.6590
SPG: 0.6934