



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

Analysis No: DU150700
Cust No: 23000-22605

30-045-33172

Well/Lease Information

Customer Name: DUGAN PRODUCTION CORP.
Well Name: HIGH FINANCE #1; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.:

Source: CASING
Pressure: 64 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 11/09/2015
Sampled By: JIMMY DAVIS
Foreman/Engr.: JIMMY DAVIS

OIL CONS. DIV DIST. 3

NOV 19 2015

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.032	0.1140	0.00	0.0100
CO2	0.924	0.1580	0.00	0.0140
Methane	78.880	13.4200	796.69	0.4369
Ethane	9.573	2.5690	169.41	0.0994
Propane	5.265	1.4560	132.47	0.0802
Iso-Butane	0.470	0.1540	15.28	0.0094
N-Butane	1.784	0.5640	58.20	0.0358
I-Pentane	0.410	0.1500	16.40	0.0102
N-Pentane	0.524	0.1910	21.01	0.0131
Hexane Plus	1.138	0.5090	59.98	0.0377
Total	100.000	19.2850	1269.45	0.7466

* @ 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): 1277.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1255.0
REAL SPECIFIC GRAVITY: 0.7492

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

DRY BTU @ 14.650: 1270.3
DRY BTU @ 14.696: 1274.3
DRY BTU @ 14.730: 1277.2
DRY BTU @ 15.025: 1302.8

CYLINDER #: 6148
CYLINDER PRESSURE: 78 PSIG
DATE RUN: 11/11/15 12:00 AM
ANALYSIS RUN BY: PATRICIA KING



DUGAN PRODUCTION CORP.
WELL ANALYSIS COMPARISON

Lease: HIGH FINANCE #1; CSG
Stn. No.:
Mtr. No.:

CASING

11/12/2015
23000-22605

Smpl Date: 11/09/2015
Test Date: 11/11/2015
Run No: DU150700

Nitrogen: 1.032
CO2: 0.924
Methane: 78.880
Ethane: 9.573
Propane: 5.265
I-Butane: 0.470
N-Butane: 1.784
I-Pentane: 0.410
N-Pentane: 0.524
Hexane+: 1.138

BTU: 1277.2
GPM: 19.2850
SPG: 0.7492



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

Analysis No: DU150680
Cust No: 23000-22525

Well/Lease Information

Customer Name: DUGAN PRODUCTION CORP.
Well Name: HIGH FINANCE #1
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Str. No.:

Source: BRADENHEAD
Pressure: .5 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 10/26/2015
Sampled By: JIM DAVIS
Foreman/Engr.:

Remarks: PRESSURED WITH HELIUM
TO 30LBS.

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.001	0.2210	0.00	0.0194
CO2	0.010	0.0020	0.00	0.0002
Methane	94.408	16.0360	953.52	0.5229
Ethane	2.263	0.6060	40.05	0.0235
Propane	0.718	0.1980	18.07	0.0109
Iso-Butane	0.152	0.0500	4.94	0.0031
N-Butane	0.158	0.0500	5.15	0.0032
I-Pentane	0.061	0.0220	2.44	0.0015
N-Pentane	0.036	0.0130	1.44	0.0009
Hexane Plus	0.193	0.0860	10.17	0.0064
Total	100.000	17.2840	1035.79	0.5919

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0022
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1040.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1022.4
REAL SPECIFIC GRAVITY: 0.593

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

DRY BTU @ 14.650: 1034.8
DRY BTU @ 14.696: 1038.1
DRY BTU @ 14.730: 1040.5
DRY BTU @ 15.025: 1061.3

CYLINDER #: 6128
CYLINDER PRESSURE: PSIG
DATE RUN: 10/28/15 12:00 AM
ANALYSIS RUN BY: PATRICIA KING



DUGAN PRODUCTION CORP.
WELL ANALYSIS COMPARISON

Lease: HIGH FINANCE #1
Stn. No.:
Mtr. No.:

BRADENHEAD

10/30/2015
23000-22525

Smpl Date: 10/26/2015
Test Date: 10/28/2015
Run No: DU150680

Nitrogen: 2.001
CO2: 0.010
Methane: 94.408
Ethane: 2.263
Propane: 0.718
I-Butane: 0.152
N-Butane: 0.158
I-Pentane: 0.061
N-Pentane: 0.036
Hexane+: 0.193

BTU: 1040.5
GPM: 17.2840
SPG: 0.5930