



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

Analysis No: GW140012
Cust No: 33050-10130

30-045-25340

Well/Lease Information

Customer Name: GREAT WESTERN DRILLING
Well Name: ATLANTIC A 101 WELL HEAD
County/State: SAN JUAN
Location:
Field:
Formation: BASIN DAKOTA
Cust. Stn. No.: 94574

Source: WELL HEAD
Pressure: 88 PSIG
Sample Temp: 64 DEG. F
Well Flowing: Y
Date Sampled: 09/04/2014
Sampled By: CULLAN KELLER
Foreman/Engr.:

OIL CONS. DIV DIST. 3

OCT 21 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.380	0.0420	0.00	0.0037
CO2	2.976	0.5090	0.00	0.0452
Methane	94.156	15.9930	950.98	0.5215
Ethane	2.242	0.6010	39.68	0.0233
Propane	0.131	0.0360	3.30	0.0020
Iso-Butane	0.042	0.0140	1.37	0.0008
N-Butane	0.014	0.0040	0.46	0.0003
I-Pentane	0.010	0.0040	0.40	0.0002
N-Pentane	0.003	0.0010	0.12	0.0001
Hexane Plus	0.046	0.0210	2.42	0.0015
Total	100.000	17.2250	998.72	0.5987

* @ 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): 1003.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 985.7
REAL SPECIFIC GRAVITY: 0.5997

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

DRY BTU @ 14.650: 997.8
DRY BTU @ 14.696: 1000.9
DRY BTU @ 14.730: 1003.2
DRY BTU @ 15.025: 1023.3

CYLINDER #: 7031
CYLINDER PRESSURE: 85 PSIG
DATE RUN: 9/5/14 7:53 AM
ANALYSIS RUN BY: PATRICIA KING



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

Analysis No: GW140011
Cust No: 33050-10125

Well/Lease Information

Customer Name: GREAT WESTERN DRILLING
Well Name: ATLANTIC A 101 BHD
County/State: SAN JUAN
Location:
Field:
Formation: BASIN DAKOTA
Cust. Stn. No.: 94574

Source: BRADENHEAD
Pressure: 108 PSIG
Sample Temp: 64 DEG. F
Well Flowing: Y
Date Sampled: 09/04/2014
Sampled By: CULLAN KELLER
Foreman/Engr.:

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.415	0.0460	0.00	0.0040
CO2	0.011	0.0020	0.00	0.0002
Methane	90.284	15.3430	911.87	0.5001
Ethane	5.725	1.5350	101.32	0.0594
Propane	2.131	0.5890	53.62	0.0324
Iso-Butane	0.359	0.1180	11.67	0.0072
N-Butane	0.508	0.1610	16.57	0.0102
I-Pentane	0.180	0.0660	7.20	0.0045
N-Pentane	0.124	0.0450	4.97	0.0031
Hexane Plus	0.263	0.1180	13.86	0.0087
Total	100.000	18.0230	1121.09	0.6298

* @ 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): 1126.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1107.0
REAL SPECIFIC GRAVITY: 0.6312

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

DRY BTU @ 14.650: 1120.5
DRY BTU @ 14.696: 1124.0
DRY BTU @ 14.730: 1126.6
DRY BTU @ 15.025: 1149.2

CYLINDER #: 4124
CYLINDER PRESSURE: 110 PSIG
DATE RUN: 9/5/14 7:51 AM
ANALYSIS RUN BY: PATRICIA KING