



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

Analysis No: GW140013
Cust No: 33050-10135

30-045-34546

Well/Lease Information

Customer Name: GREAT WESTERN DRILLING
Well Name: ATLANTIC C 101 E BHD
County/State: SAN JUAN
Location:
Field:
Formation: BASIN DAKOTA
Cust. Stn. No.: 88644

Source: BRADENHEAD
Pressure: 130 PSIG
Sample Temp: 68 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	0.168	0.0190	0.00	0.0016
CO2	0.005	0.0010	0.00	0.0001
Methane	80.281	13.6560	810.84	0.4447
Ethane	10.597	2.8440	187.54	0.1100
Propane	5.203	1.4380	130.91	0.0792
Iso-Butane	1.173	0.3850	38.14	0.0235
N-Butane	1.273	0.4030	41.53	0.0255
I-Pentane	0.582	0.2140	23.29	0.0145
N-Pentane	0.431	0.1570	17.28	0.0107
Hexane Plus	0.287	0.1280	15.13	0.0095
Total	100.000	19.2450	1264.65	0.7194

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0036
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1272.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1250.1
REAL SPECIFIC GRAVITY: 0.7217

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

DRY BTU @ 14.650: 1265.3
DRY BTU @ 14.696: 1269.3
DRY BTU @ 14.730: 1272.2
DRY BTU @ 15.025: 1297.7

CYLINDER #: 6056
CYLINDER PRESSURE: 127 PSIG
DATE RUN: 9/5/14 7:55 AM
ANALYSIS RUN BY: PATRICIA KING



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

Analysis No: GW140014
Cust No: 33050-10140

Well/Lease Information

Customer Name: GREAT WESTERN DRILLING
Well Name: ATLANTIC C 101 E WELL HEAD
County/State: SAN JUAN
Location:
Field:
Formation: BASIN DAKOTA
Cust. Stn. No.: 88644

Source: WELL HEAD
Pressure: 70 PSIG
Sample Temp: 68 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	0.110	0.0120	0.00	0.0011
CO2	1.792	0.3060	0.00	0.0272
Methane	94.471	16.0480	954.16	0.5233
Ethane	2.750	0.7370	48.67	0.0286
Propane	0.448	0.1240	11.27	0.0068
Iso-Butane	0.112	0.0370	3.64	0.0022
N-Butane	0.084	0.0270	2.74	0.0017
I-Pentane	0.053	0.0190	2.12	0.0013
N-Pentane	0.023	0.0080	0.92	0.0006
Hexane Plus	0.157	0.0700	8.28	0.0052
Total	100.000	17.3880	1031.80	0.5980

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0023
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1036.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1018.6
REAL SPECIFIC GRAVITY: 0.5991

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

DRY BTU @ 14.650: 1031.0
DRY BTU @ 14.696: 1034.2
DRY BTU @ 14.730: 1036.6
DRY BTU @ 15.025: 1057.4

CYLINDER #: 5021
CYLINDER PRESSURE: 59 PSIG
DATE RUN: 9/5/14 7:57 AM
ANALYSIS RUN BY: JENNIFER DEAN