



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
(505) 334-6176 FAX: (505) 334-6170
<http://emrnr.state.nm.us/ocd/District%20Office.htm>

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 9-29-2014 Operator Greathurst, D. L. API # 30-045-25310

Property Name Alamite Well No. A104 Location: Unit P Section 22 Township 31 Range 10

Well Status (Shut-In or Producing) Initial PSI: Tubing 82 Intermediate Casing 115 Bradenhead 129

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing	PRESSURE			INTERM	
	BH	Int	Csg	Int	Csg
TIME					
5 min	0		115		
10 min	0		115		
15 min	0		115		
20 min	0		115		
25 min	0		115		
30 min	0		115		

FLOW CHARACTERISTICS	
BRADENHEAD	INTERMEDIATE
Steady Flow <u>X</u>	OIL CONS. DIV DIST. 3
Surges <u> </u>	OCT 21 2014
Down to Nothing <u> </u>	
Nothing <u> </u>	
Gas <u> </u>	
Gas & Water <u>X</u>	
Water <u> </u>	

If bradenhead flowed water, check all of the descriptions that apply below:

CLEAR FRESH SALTY SULFUR BLACK ✓

5 MINUTE SHUT-IN PRESSURE

BRADENHEAD 59 INTERMEDIATE

REMARKS:

Surges 1 gal per min, Gap 25-26 min then
5 gal per min

By Cullen Keller

Witness

M. K. Kuhlberg

(Position)

mail address



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[http://lemnrd.state.nm.us/ocd/District III/3district.htm](http://lemnrd.state.nm.us/ocd/District%20III/3district.htm)

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 8-28-14 Operator Great Western Drilling API # 30-045-25340
Property Name Atlantic Well No. A-101 Location: Unit P Section 22 Township 31 Range 10
Well Status (Shut-In or Producing) Initial PSI: Tubing 83 Intermediate Casing 95 Bradenhead 138

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing TIME	PRESSURE				
	BH	Bradenhead Int	Csg	Int	Csg
5 min	1	—	95		
10 min	1	—	95		
15 min					
20 min					
25 min					
30 min					

FLOW CHARACTERISTICS	
BRADENHEAD	INTERMEDIATE
Steady Flow <u>X</u>	OIL CONS. DIV DIST. 3
Surges <u> </u>	OCT 21 2014
Down to Nothing <u> </u>	
Nothing <u> </u>	
Gas <u>X</u>	
Gas & Water <u>X</u>	
Water <u> </u>	

If bradenhead flowed water, check all of the descriptions that apply below:

CLEAR FRESH SALTY SULFUR BLACK

5 MINUTE SHUT-IN PRESSURE BRADENHEAD INTERMEDIATE

REMARKS:

Hard blow 5 mins
Water at 11 min - stopped test had no way to contain
water

By Cullan Keller
Switcher
(Position)

Witness Paul Wither

E-mail address Cullan K 2002 @ gmail . com



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

Analysis No: GW140012
Cust No: 33050-10130

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. Str. 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