



**NEW MEXICO ENERGY, MINERALS  
AND NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE  
1000 RIO BRAZOS ROAD  
AZTEC, NM 87410  
(505 334-6178 FAX: (505) 334-6170  
http://www.emnrd.state.nm.us/ocd/

**OIL CONS. DIV DIST. 3**

**BRADENHEAD TEST REPORT**

(Submit 2 copies to above address)

DEC 18 2015

Date of Test 7/21/15 Operator BP America Production Company API # 3004525567

Property Name WARREN COM 002M-MV Location: Unit 0 Section 14 Township 28 Range 9  
(Well Name and Number)

Pressure (Shut-in or Producing) ~~\_\_\_\_\_~~ Tubing 69 Intermediate - Casing 69 Bradenhead 63

**OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH**

Time	Bradenhead			Intermediate		Flow Description	Bradenhead Flowed	Intermediate Flowed
	BH Blowdown	Casing Monitor	Intermediate Monitor	Intermediate Blowdown	Casing Monitor			
5 minutes	C	67	[Handwritten S-curve]	[Handwritten S-curve]	[Handwritten S-curve]	Steady Flow	[Handwritten S-curve]	[Handwritten S-curve]
10 minutes	C	66				Surges		
15 minutes	C	65				Down to Nothing		
20 minutes	C	64				No Flow		
25 minutes	C	63				Gas		
30 minutes	C	62				Gas and Water		
5 minute SI	57	64				Water		

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

Clear \_\_\_\_\_ Fresh \_\_\_\_\_ Salty \_\_\_\_\_ Sulfur \_\_\_\_\_ Black \_\_\_\_\_

5 Minute Shut-in Bradenhead 57 Intermediate -

**REMARKS:**

Blew from 1" valve. BH blew continuously through test

By [Signature] Witness \_\_\_\_\_

(Position)

4

OPI 30-045-25567  
Bradenhead



OIL CONS. DIV DIST. 3

**Gas Analysis Certificate**

DEC 18 2015

**GPA Standard 2261-13**

Acquisition Method Name au\_report\_150\_C6+  
Last calibration date 7/10/2015 10:21:38 AM

Client:	BP	Project #:	03143-0880
Site Name:	Warren Com 2M	Meter ID:	3004525567 (BHD)
Sampled by:	Daniel F.	Date Sampled:	07-21-15
Analyzed by:	Logan Richter	Date Received:	08-27-15
Sample Pressure:	63 psig	Date Analyzed:	09-01-15
Sample Temperature:	N/R	Analysis Time:	Standard

**Component Results (14.696)**

Name	Qty (Norm) [Mol %]	Wt Percent (%)	GPM
Helium	0.021	0.004	0.002
Oxygen	0.005	0.007	0.000
Nitrogen	0.358	0.442	0.039
Carbon Dioxide	0.867	1.680	0.148
Methane	73.649	52.034	12.507
Ethane	12.673	16.782	3.395
Propane	7.308	14.192	2.017
i-Butane	1.208	3.093	0.396
n-Butane	2.080	5.324	0.657
i-Pentane	0.622	1.975	0.228
n-Pentane	0.491	1.559	0.178
C6+	0.719	2.908	0.314
	100.000	100.000	19.882

**Calculations at Pressure Base 14.696**

Compressibility (Z) (Dry Gas)	0.99572	C2+	7.185
Density (G) (Dry Gas)	0.78432	C3+	3.790
Component MW Total	22.71	C5+	0.720
Heating Value (Dry Ideal) Total BTU	1340.56	Heating Value (Sat Ideal) Total BTU	1317.16
Heating Value (Dry Real) Total BTU	1346.32	Heating Value (Sat Real) Total BTU	1322.63

*BSA*

9/10/2015

API 30-045-25567

Casing

Gas Analysis Certificate



GPA Standard 2261-13

Acquisition Method Name au\_report\_150\_C6+
Last calibration date 9/28/2015 11:07:06 AM

Client: BP Project #: 03143-0880
Site Name: Warren Corn 2M Meter ID: 3004525567 (CSG)
Sampled by: Daniel F. Date Sampled: 10-16-15
Analyzed by: Logan Richter Date Received: 10-16-15
Sample Pressure: 38 psig Date Analyzed: 10-22-15
Sample Temperature N/A Analysis Time: Standard

Component Results (14.696)

Table with 4 columns: Name, Qty (Norm) [Mol %], Wt Percent (%), GPM. Rows include Helium, Oxygen, Nitrogen, Carbon Dioxide, Methane, Ethane, Propane, i-Butane, n-Butane, i-Pentane, n-Pentane, C6+, and a total row.

Calculations at Pressure Base 14.696

Table with 4 columns: Calculation Name, Value, Category, Value. Rows include Compressibility (Z) (Dry Gas), Density (G) (Dry Gas), Component MW Total, Heating Value (Dry Ideal) Total BTU, Heating Value (Dry Real) Total BTU, Heating Value (Sat Ideal) Total BTU, and Heating Value (Sat Real) Total BTU.

Handwritten signature

10/27/2015

CPI 30-045-25567

**WARREN COM 002M-MV**

**Reservoir / Permanent**

**Equipment / Temporary**

**Surface Casing Data**

12-1/4" Hole  
9-5/8", 36#, K-55 ST&C @ 248'  
225 sxs cls B cmt

TOC: Surface (circ. 20 bbls)

**Surface Unit**

Weatherford C114-173-74, long hole, ~5spm

OIL CONS. DIV DIST. 3

DEC 18 2015

TOC: 900' (temp survey 2/14/83)

**Production Casing Data**

8-3/4" Hole  
7", 23#, K-55 ST&C @ 3004'  
63 sxs 50/50 poz, 125 sxs 65/35 poz, tail w/ 150 sxs cls B cmt

TOL: 2858'

TOC @ TOL (RO trace cmt)

**Tubing Details**

2-3/8", 4.7#, J-55 @ 4870'

**Rod Details**

0.75" Grd D rods  
21k# shear sleeve  
RHAC Pump (2.0x1.25x12x14x16) @ 4821'

**Mesaverde Completion**

4120'-4586' gross (2spf, 120 deg, 150 holes)  
frac w/ 200,000# 16/30 Brady snd & 70Q N2 foam  
4705'-4832' gross (2spf, 120 deg, 102 holes)  
frac w/ 130,000# 16/30 Brady snd & 70Q N2 foam

**Nipple Data**

F-nipple @ 4817'  
2-3/8" x 1' tbg sub w/ 1/4" weep hole @ 4818'

**End of Tubing**

4870'  
CIBP @ 4934'

**Dakota Completion (T&A'd 1994)**

6831'-6844' (2spf, 26 holes)  
frac w/ 81,000# 20/40 snd & 30# X-L gel

Cmt plug @ 6700'-6750'  
CIBP @ 6750'

**Production Liner Data**

6-1/4" Hole  
4-1/2", 10.5#, K-55 ST&C @ 2858'-6993'  
300 sxs Hal Lite (65/35/6), tail w/ 150 sxs cls B cmt

PBTD 4,934'  
Original PBTD 6,924'  
TD 6,995'

