



NEW MEXICO ENERGY, MINERALS
AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
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AZTEC, NM 87410
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<http://www.emnrd.state.nm.us/ocd/>

BRADENHEAD TEST REPORT
(Submit 2 copies to above address)

OIL CONS. DIV DIST. 3

DEC 18 2015

Date of Test 9/28/15 Operator BP America Production Company API # 3004523270

Property Name TAPP 001-DK Location: Unit L Section 21 Township 28 Range 8
(Well Name and Number)

Pressure (Shut-in or Producing) ✓ Tubing 112 Intermediate 0 Casing 190 Bradenhead 45

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Time	Bradenhead			Intermediate		Bradenhead Flowed	Intermediate Flowed
	BH Blowdown	Casing Monitor	Intermediate Monitor	Intermediate Blowdown	Casing Monitor		
5 minutes	<u>W</u>	<u>190</u>	<u>0</u>	<u>0</u>	<u>190</u>	Steady Flow	
10 minutes	<u>W</u>	<u>190</u>	<u>0</u>	<u>0</u>	<u>190</u>	Surges	
15 minutes	<u>W</u>	<u>190</u>	<u>0</u>	<u>0</u>	<u>190</u>	Down to Nothing	
20 minutes	<u>W</u>	<u>190</u>	<u>0</u>			No Flow	☒
25 minutes	<u>W</u>	<u>190</u>	<u>0</u>			Gas	
30 minutes	<u>W</u>	<u>190</u>	<u>0</u>			Gas and Water	☒
5 minute SI	<u>10</u>	<u>190</u>	<u>0</u>	<u>0</u>	<u>190</u>	Water	

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

Clear ☒ Fresh ☐ Salty ☐ Sulfur ☐ Black ☐

5 Minute Shut-in Bradenhead 10 Intermediate 0

REMARKS:

Blew from 1" valve. BH blew gas & water. INT
had no flow.

W = water.

By [Signature] Witness _____

(Position)



OIL CONS. DIV DIST. 3

Gas Analysis Certificate

GPA Standard 2261-13

Acquisition Method Name au_report_150_C6+
Last calibration date 9/28/2015 11:07:06 AM

DEC 18 2015

Client:	BP	Project #:	03143-0880
Site Name:	Tapp 1	Meter ID:	3004523270 (BHD)
Sampled by:	Daniel F.	Date Sampled	09-28-15
Analyzed by:	Logan Richter	Date Received:	10-15-15
Sample Pressure:	40 psig	Date Analyzed:	10-16-15
Sample Temperature	N/R	Analysis Time:	Standard

Component Results (14.696)

Name	Qty (Norm) [Mol %]	Wt Percent (%)	GPM
Helium	0.000	0.000	0.000
Oxygen	0.012	0.019	0.001
Nitrogen	0.394	0.537	0.043
Carbon Dioxide	1.493	3.199	0.255
Methane	82.893	64.738	14.064
Ethane	8.350	12.222	2.235
Propane	3.171	6.807	0.874
i-Butane	0.792	2.241	0.259
n-Butane	1.003	2.838	0.316
i-Pentane	0.660	2.318	0.242
n-Pentane	0.448	1.575	0.163
C6+	0.784	3.506	0.342
	100.000	100.000	18.795

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99662	C2+	4.431
Density (G) (Dry Gas)	0.70959	C3+	2.197
Component MW Total	20.54	C5+	0.747
Heating Value (Dry Ideal) Total BTU	1207.82	Heating Value (Sat Ideal) Total BTU	1186.74
Heating Value (Dry Real) Total BTU	1211.91	Heating Value (Sat Real) Total BTU	1190.63



UPI - 20-095-05010
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:	Tapp 1	Meter ID:	3004523270 (CSG)
Sampled by:	Daniel F.	Date Sampled	09-28-15
Analyzed by:	Logan Richter	Date Received:	10-15-15
Sample Pressure:	190 psig	Date Analyzed:	10-16-15
Sample Temperature	N/R	Analysis Time:	Standard

Component Results (14.696)

Name	Qty (Norm) [Mol %]	Wt Percent (%)	GPM
Helium	0.000	0.000	0.000
Oxygen	14.976	16.874	1.327
Nitrogen	77.802	76.744	8.542
Carbon Dioxide	0.319	0.494	0.054
Methane	5.362	3.029	0.907
Ethane	0.497	0.526	0.133
Propane	0.492	0.763	0.135
i-Butane	0.120	0.245	0.039
n-Butane	0.051	0.105	0.016
i-Pentane	0.008	0.020	0.003
n-Pentane	0.015	0.038	0.005
C6+	0.359	1.162	0.156
	100.000	100.000	11.318

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99949	C2+	0.488
Density (G) (Dry Gas)	0.98070	C3+	0.355
Component MW Total	28.40	C5+	0.165
Heating Value (Dry Ideal) Total BTU	100.21	Heating Value (Sat Ideal) Total BTU	98.46
Heating Value (Dry Real) Total BTU	100.26	Heating Value (Sat Real) Total BTU	98.51

API- 30-045-23270

Tapp 001 - DK

Sec 21, T28N, R8W

API # 30-045-23270

GR: 5797'

History:

Spud 1/1/1979

Completed DK 6/25/1979

Recompleted upper DK 4/5/1980

Formation Tops:

Pictured Cliffs 2170'

Cliffhouse 3830'

Menefee 3906'

Point Lookout 4436'

Gallup 5606'

Granderos 6460'

Dakota 6558'

Dakota Perforations

6485-6493'

frac w/ 30k# 20/40 snd

6680-6696

6664-6670

6658-6660

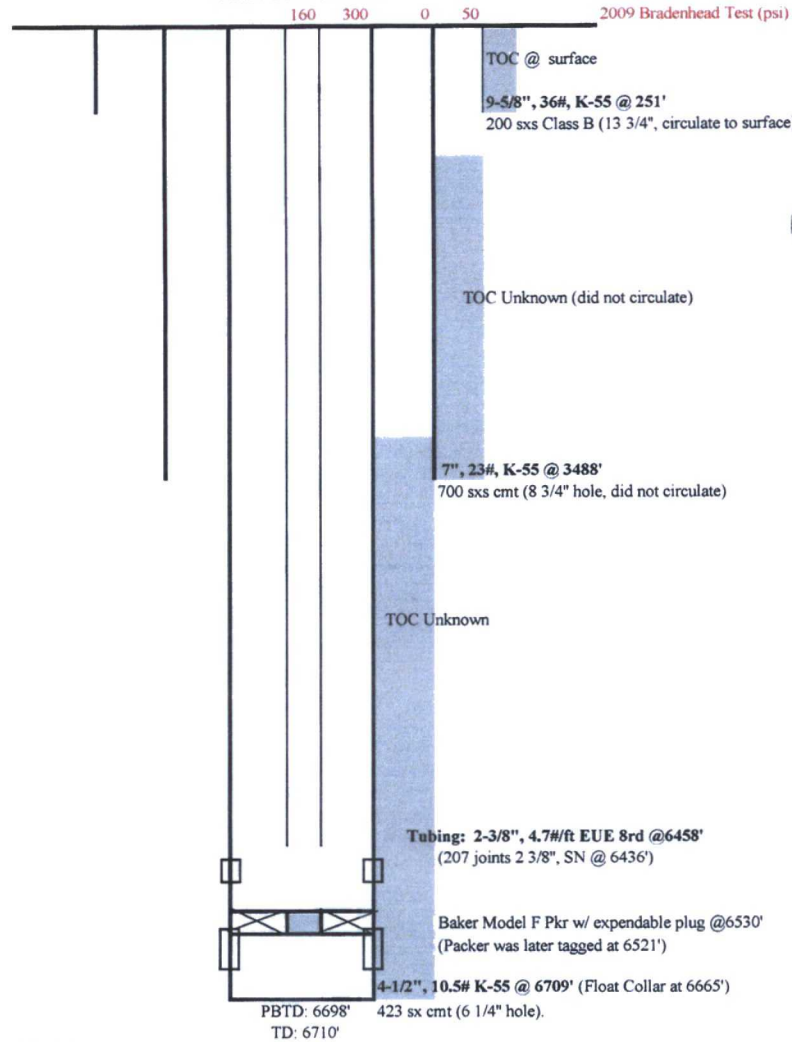
6642-6652

6626-6632

6560-6576

frac w/ 104.8k gal wtr, 80k# 20/40 snd, 20k# 10/20 snd.

frac w/ 500 gasl 7.5% HCl + 1000 gal HCl



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updated: 9/4/09 AA