



NEW MEXICO ENERGY, MINERALS
AND NATURAL RESOURCES DEPARTMENT
OIL CONS. DIV. DIST. 3

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JAN 28 2016

BRADENHEAD TEST REPORT

(Submit 2 copies to above address)

Date of Test 12/21/15 Operator BP America Production Company API # 3004526208

Property Name JENNAPAH GC A 001E-DK Location: Unit 0 Section 36 Township 28 Range 9
(Well Name and Number)

Pressure (Shut-in or Producing) Tubing 150 Intermediate 446 Casing 150 Bradenhead 252

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>15</u>	<u>150</u>	<u>446</u>	<u>15</u>	<u>145</u>	Steady Flow	
10 minutes	<u>0</u>	<u>145</u>	<u>446</u>	<u>15</u>	<u>145</u>	Surges	
15 minutes	<u>0</u>	<u>148</u>	<u>445</u>	<u>10</u>	<u>148</u>	Down to Nothing	☒
20 minutes	<u>0</u>	<u>148</u>	<u>446</u>	<u>5</u>	<u>147</u>	No Flow	
25 minutes				<u>3</u>	<u>148</u>	Gas	☒
30 minutes				<u>2</u>	<u>148</u>	Gas and Water	
5 minute SI	<u>35</u>	<u>145</u>	<u>446</u>	<u>95</u>	<u>148</u>	Water	

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

Clear ☐ Fresh ☐ Salty ☐ Sulfur ☐ Black ☐

5 Minute Shut-in Bradenhead 35 Intermediate 95

REMARKS:

Blew from 1" valve BH blew to zero in 12 min. TWT
whispered through test. Took samples on CSG, TWT, and BH

By [Signature] Witness _____
(Position)



API 30-045-26208
Bradenhead
Gas Analysis Certificate

GPA Standard 2261-13

Acquisition Method Name au_report_150_C6+

Last calibration date 11/17/2015 7:56:54 PM

Client:	BP	Project #:	03143-0880
Site Name:	Jennapah A 1E	Meter ID:	3004526208(BHD)
Sampled by:	D. Fuller	Date Sampled	12-21-15
Analyzed by:	Logan Richter	Date Received:	12-22-15
Sample Pressure:	204 psig	Date Analyzed:	12-22-15
Sample Temperature	°F	Analysis Time:	Standard

Component Results (14.696)

Name	Qty (Norm) [Mol %]	Wt Percent (%)	GPM
Helium	0.000	0.000	0.000
Oxygen	0.014	0.023	0.001
Nitrogen	0.292	0.414	0.032
Carbon Dioxide	0.000	0.000	0.000
Methane	83.742	68.094	14.205
Ethane	9.896	15.082	2.648
Propane	3.289	7.352	0.907
i-Butane	0.796	2.345	0.261
n-Butane	1.059	3.121	0.334
i-Pentane	0.428	1.565	0.157
n-Pentane	0.248	0.905	0.090
C6+	0.236	1.100	0.103
	100.000	100.000	18.738

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99684	C2+	4.499
Density (G) (Dry Gas)	0.68130	C3+	1.851
Component MW Total	19.73	C5+	0.349
Heating Value (Dry Ideal) Total BTU	1203.28	Heating Value (Sat Ideal) Total BTU	1182.28
Heating Value (Dry Real) Total BTU	1207.10	Heating Value (Sat Real) Total BTU	1185.91



API 30-045-26208
Casing
Gas Analysis Certificate

GPA Standard 2261-13

Acquisition Method Name au_report_150_C6+
Last calibration date 11/17/2015 7:56:54 PM

Client:	BP	Project #:	03143-0880
Site Name:	Jennapah A 1E	Meter ID:	3004526208(CSG)
Sampled by:	D. Fuller	Date Sampled	12-21-15
Analyzed by:	Logan Richter	Date Received:	12-22-15
Sample Pressure:	145 psig	Date Analyzed:	12-22-15
Sample Temperature	°F	Analysis Time:	Standard

Component Results (14.696)

Name	Qty (Norm) [Mol %]	Wt Percent (%)	GPM
Helium	0.000	0.000	0.000
Oxygen	0.009	0.015	0.001
Nitrogen	0.263	0.375	0.029
Carbon Dioxide	1.536	3.437	0.262
Methane	86.027	70.168	14.592
Ethane	7.147	10.927	1.912
Propane	2.242	5.027	0.618
i-Butane	0.630	1.863	0.206
n-Butane	0.726	2.147	0.229
i-Pentane	0.380	1.395	0.139
n-Pentane	0.203	0.744	0.074
C6+	0.835	3.902	0.365
	100.000	100.000	18.427

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99693	C2+	3.543
Density (G) (Dry Gas)	0.67946	C3+	1.631
Component MW Total	19.67	C5+	0.577
Heating Value (Dry Ideal) Total BTU	1162.15	Heating Value (Sat Ideal) Total BTU	1141.87
Heating Value (Dry Real) Total BTU	1165.73	Heating Value (Sat Real) Total BTU	1145.26



API 30-045-26208
Intermediate
Gas Analysis Certificate

GPA Standard 2261-13

Acquisition Method Name au_report_150_C6+

Last calibration date 11/17/2015 7:56:54 PM

Client:	BP	Project #:	03143-0880
Site Name:	Jennapah A 1E	Meter ID:	3004526208(INT)
Sampled by:	D. Fuller	Date Sampled	12-21-15
Analyzed by:	Logan Richter	Date Received:	12-22-15
Sample Pressure:	204 psig	Date Analyzed:	12-22-15
Sample Temperature	°F	Analysis Time:	Standard

Component Results (14.696)

Name	Qty (Norm) [Mol %]	Wt Percent (%)	GPM
Helium	0.000	0.000	0.000
Oxygen	0.012	0.020	0.001
Nitrogen	0.301	0.444	0.033
Carbon Dioxide	0.000	0.000	0.000
Methane	87.559	73.953	14.849
Ethane	7.332	11.607	1.961
Propane	2.438	5.659	0.672
i-Butane	0.646	1.978	0.212
n-Butane	0.804	2.461	0.254
i-Pentane	0.315	1.196	0.115
n-Pentane	0.181	0.686	0.066
C6+	0.412	1.995	0.180
	100.000	100.000	18.343

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99709	C2+	3.459
Density (G) (Dry Gas)	0.65599	C3+	1.498
Component MW Total	18.99	C5+	0.361
Heating Value (Dry Ideal) Total BTU	1163.68	Heating Value (Sat Ideal) Total BTU	1143.38
Heating Value (Dry Real) Total BTU	1167.08	Heating Value (Sat Real) Total BTU	1146.60