



API 30-045-24008
Casing

Gas Analysis Certificate

OIL CONS. DIV DIST. 3

GPA Standard 2261-13

Acquisition Method Name au_report_150_C6+
Last calibration date 7/10/2015 10:21:38 AM

DEC 18 2015

Client:	BP	Project #:	03143-0880
Site Name:	Bruington GC B1E	Meter ID:	3004524008 (CSG)
Sampled by:	Daniel F.	Date Sampled	07-09-15
Analyzed by:	Logan Richter	Date Received:	07-13-15
Sample Pressure:	83 psig	Date Analyzed:	07-15-15
Sample Temperature	N/R	Analysis Time:	Standard

Component Results (14.696)

Name	Qty (Norm) [Mol %]	Wt Percent (%)	GPM
Helium	0.036	0.007	0.004
Oxygen	0.006	0.009	0.001
Nitrogen	0.419	0.578	0.046
Carbon Dioxide	1.586	3.442	0.271
Methane	82.692	65.403	14.029
Ethane	9.046	13.411	2.421
Propane	3.419	7.433	0.943
i-Butane	0.531	1.521	0.174
n-Butane	0.897	2.569	0.283
i-Pentane	0.319	1.135	0.117
n-Pentane	0.266	0.947	0.097
C6+	0.782	3.544	0.342
	100.000	100.000	18.726

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99672	C2+	4.375
Density (G) (Dry Gas)	0.70068	C3+	1.954
Component MW Total	20.28	C5+	0.555
Heating Value (Dry Ideal) Total BTU	1191.40	Heating Value (Sat Ideal) Total BTU	1170.61
Heating Value (Dry Real) Total BTU	1195.32	Heating Value (Sat Real) Total BTU	1174.32

16.07.2015 14:50:26

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API 30-045-24008
Bradenhead
Gas Analysis Certificate

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:	Bruington GC B1E	Meter ID:	3004524008 (BHD)
Sampled by:	Daniel F.	Date Sampled	07-09-15
Analyzed by:	Logan Richter	Date Received:	07-13-15
Sample Pressure:	26 psig	Date Analyzed:	07-15-15
Sample Temperature	N/R	Analysis Time:	Standard

Component Results (14.696)

Name	Qty (Norm) [Mol %]	Wt Percent (%)	GPM
Helium	0.010	0.002	0.001
Oxygen	0.035	0.059	0.003
Nitrogen	0.545	0.803	0.060
Carbon Dioxide	0.043	0.099	0.007
Methane	87.615	73.912	14.858
Ethane	6.581	10.405	1.760
Propane	2.932	6.800	0.808
i-Butane	0.576	1.759	0.188
n-Butane	0.779	2.381	0.246
i-Pentane	0.277	1.051	0.101
n-Pentane	0.198	0.750	0.072
C6+	0.410	1.981	0.179
	100.000	100.000	18.284

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99711	C2+	3.355
Density (G) (Dry Gas)	0.65678	C3+	1.594
Component MW Total	19.02	C5+	0.352
Heating Value (Dry Ideal) Total BTU	1159.31	Heating Value (Sat Ideal) Total BTU	1139.08
Heating Value (Dry Real) Total BTU	1162.68	Heating Value (Sat Real) Total BTU	1142.28

RGR

10/20/2015



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/>

BRADENHEAD TEST REPORT

(Submit 2 copies to above address)

OIL CONS. DIV DIST. 3

DEC 18 2015

Date of Test 5/15/15 Operator BP America Production Company API # 3004524008

Property Name BRUINGTON GC B 001E-DK Location: Unit O Section 15 Township 29 Range 12
(Well Name and Number)

Pressure (Shut-in or Producing) Tubing 95 Intermediate NA Casing 95 Bradenhead 20

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>95</u>				Steady Flow	
10 minutes	<u>W</u>	<u>95</u>				Surges	
15 minutes	<u>W</u>	<u>95</u>				Down to Nothing	
20 minutes	<u>W</u>	<u>95</u>				No Flow	
25 minutes	<u>W</u>	<u>95</u>				Gas	
30 minutes	<u>W</u>	<u>95</u>				Gas and Water	
5 minute SI	<u>2</u>	<u>95</u>				Water	

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

Clear _____ Fresh _____ Salty _____ Sulfur _____ Black _____

5 Minute Shut-in Bradenhead 2 Intermediate NA

REMARKS:

BH blew from 20 psi to a whisper in 20 sec. Blew from
1" valve

W = whisper

By Witness _____
Daniel Fuller
(Position)