



30-045 29046

OIL CONS. DIV DIST. 3

DEC 18 2015

API 30-045 29046
Casing

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:	GCU 536	Meter ID:	3004529046 (CSG)
Sampled by:	Sawyer M.	Date Sampled	07-14-15
Analyzed by:	Logan Richter	Date Received:	07-14-15
Sample Pressure:	7 psig	Date Analyzed:	07-16-15
Sample Temperature	N/R	Analysis Time:	Standard

Component Results (14.696)

Name	Qty (Norm) [Mol %]	Wt Percent (%)	GPM
Helium	0.025	0.005	0.003
Oxygen	0.005	0.009	0.000
Nitrogen	0.311	0.475	0.034
Carbon Dioxide	1.371	3.290	0.234
Methane	90.665	79.299	15.371
Ethane	4.506	7.386	1.205
Propane	1.664	4.002	0.459
i-Butane	0.331	1.048	0.108
n-Butane	0.442	1.401	0.139
i-Pentane	0.167	0.658	0.061
n-Pentane	0.135	0.532	0.049
C6+	0.378	1.896	0.165
	100.000	100.000	17.829

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99740	C2+	2.186
Density (G) (Dry Gas)	0.63346	C3+	0.981
Component MW Total	18.34	C5+	0.275
Heating Value (Dry Ideal) Total BTU	1094.02	Heating Value (Sat Ideal) Total BTU	1074.92
Heating Value (Dry Real) Total BTU	1096.87	Heating Value (Sat Real) Total BTU	1077.63



NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
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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 5/29/15 Operator BP America Production Company API # 3004529046

Property Name GCU 536-PC Location: Unit A Section 13 Township 29 Range 13
(Well Name and Number)

Pressure (Shut-in or Producing) Tubing 10 Intermediate N/A Casing 10 Bradenhead 47

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Time	Bradenhead			Intermediate			Bradenhead Intermediate	
	BH Blowdown	Casing Monitor	Intermediate Monitor	Intermediate Blowdown	Casing Monitor		Flowed	Flowed
5 minutes	<u>W</u>	<u>10</u>				Steady Flow		
10 minutes	<u>W</u>	<u>10</u>				Surges		
15 minutes	<u>W</u>	<u>10</u>				Down to Nothing		
20 minutes	<u>W</u>	<u>10</u>				No Flow		
25 minutes	<u>W</u>	<u>10</u>				Gas		
30 minutes	<u>W</u>	<u>10</u>				Gas and Water		
5 minute SI	<u>11</u>	<u>10</u>				Water		

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

Clear ☐ Fresh ☐ Salty ☐ Sulfur ☐ Black ☐

5 Minute Shut-in Bradenhead 11 Intermediate N/A

REMARKS:

BH blew to a whisper in 20 sec. BH blew through 1"
valve

By [Signature] Witness _____

(Position)