

30045-24129

UPI 30-045-24129
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 9/28/2015 11:07:06 AM

Client:	BP	Project #:	03143-0880
Site Name:	Dudley Cornell A 1E	Meter ID:	3004524129 (BHD)
Sampled by:	Daniel F.	Date Sampled	10-15-15
Analyzed by:	Logan Richter	Date Received:	10-15-15
Sample Pressure:	14 psig	Date Analyzed:	10-19-15
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	0.042	0.073	0.004
Nitrogen	1.800	2.722	0.198
Carbon Dioxide	0.000	0.000	0.000
Methane	88.066	76.257	14.931
Ethane	6.043	9.808	1.616
Propane	2.599	6.186	0.716
i-Butane	0.477	1.497	0.156
n-Butane	0.582	1.824	0.183
i-Pentane	0.179	0.699	0.066
n-Pentane	0.105	0.407	0.038
C6+	0.106	0.526	0.046
	100.000	100.000	17.955

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99737	C2+	2.822
Density (G) (Dry Gas)	0.63973	C3+	1.205
Component MW Total	18.53	C5+	0.150
Heating Value (Dry Ideal) Total BTU	1113.11	Heating Value (Sat Ideal) Total BTU	1093.69
Heating Value (Dry Real) Total BTU	1116.05	Heating Value (Sat Real) Total BTU	1096.48

21.10.2015 14:30:32

RJR 2

11/01/2015

1 of 1

3

API 50-045-24121
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:	Dudley Cornell A 1E	Meter ID:	3004524129 (CSG)
Sampled by:	Daniel F.	Date Sampled	10-15-15
Analyzed by:	Logan Richter	Date Received:	10-15-15
Sample Pressure:	243 psig	Date Analyzed:	10-19-15
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	0.009	0.014	0.001
Nitrogen	0.497	0.648	0.055
Carbon Dioxide	1.721	3.528	0.294
Methane	77.331	57.798	13.125
Ethane	11.696	16.385	3.131
Propane	5.023	10.319	1.385
i-Butane	0.805	2.178	0.264
n-Butane	1.557	4.216	0.491
i-Pentane	0.505	1.697	0.185
n-Pentane	0.491	1.650	0.178
C6+	0.366	1.567	0.160
	100.000	100.000	19.269

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99631	C2+	5.795
Density (G) (Dry Gas)	0.74126	C3+	2.663
Component MW Total	21.46	C5+	0.523
Heating Value (Dry Ideal) Total BTU	1250.01	Heating Value (Sat Ideal) Total BTU	1228.20
Heating Value (Dry Real) Total BTU	1254.64	Heating Value (Sat Real) Total BTU	1232.59

RSR

11/01/2015



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 5/11/15 Operator BP America Production Company API # 3004524129

Property Name DUDLEY CORNELL A 001E-DK Location: Unit G Section 1 Township 29 Range 12
(Well Name and Number)

Pressure (Shut-in or Producing) Tubing 328 Intermediate NA Casing 14 Bradenhead 328

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>328</u>				Steady Flow	
10 minutes	<u>W</u>	<u>328</u>				Surges	
15 minutes	<u>W</u>	<u>329</u>				Down to Nothing	
20 minutes	<u>W</u>	<u>326</u>				No Flow	
25 minutes	<u>W</u>	<u>287</u>				Gas	
30 minutes	<u>W</u>	<u>265</u>				Gas and Water	
5 minute SI						Water	

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

Clear ☐ Fresh ☐ Salty ☐ Sulfur ☐ Black ☐

5 Minute Shut-in Bradenhead TSTM Intermediate NA

REMARKS:

in 1 min down to a whisper. Blow down from 1" line
Casing pressure dropped due to plunger arrival

By Witness _____
(Position)