



NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
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OIL CONS. DIV DIST. 3

JAN 28 2016

BRADENHEAD TEST REPORT

(Submit 2 copies to above address)

Date of Test 5-14-15 Operator BP America Production Company API # 3004507857

Property Name GCU COM B 143-CH/DK Location: Unit F Section 25 Township 29 Range 12
(Well Name and Number)

Pressure (Shut-in or Producing) Tubing 142 Intermediate N/A Casing 144 Bradenhead 46

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>Ø</u>	<u>144</u>				Steady Flow	
10 minutes	<u>Ø</u>	<u>144</u>				Surges	
15 minutes	<u>Ø</u>	<u>144</u>				Down to Nothing	
20 minutes						No Flow	
25 minutes						Gas	
30 minutes						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 _____ Intermediate N/A

REMARKS:

Blew through 1" valve. BH blew to whisper in 1sec Then
Stopped whispering at 2min. to ØNF

By

Witness _____

(Position)



API 30-045-07857

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:	GCU B143	Meter ID:	3004507857 (BHD)
Sampled by:	Sawyer M.	Date Sampled	07-14-15
Analyzed by:	Logan Richter	Date Received:	07-14-15
Sample Pressure:	75 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	0.017	0.004	0.002
Oxygen	0.021	0.035	0.002
Nitrogen	0.398	0.572	0.044
Carbon Dioxide	0.000	0.000	0.000
Methane	86.626	71.218	14.694
Ethane	7.204	11.101	1.928
Propane	2.947	6.660	0.812
i-Butane	0.596	1.775	0.195
n-Butane	0.664	1.976	0.209
i-Pentane	0.396	1.466	0.145
n-Pentane	0.127	0.468	0.046
C6+	1.003	4.725	0.438
	100.000	100.000	18.515

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99689	C2+	3.774
Density (G) (Dry Gas)	0.67418	C3+	1.846
Component MW Total	19.51	C5+	0.629
Heating Value (Dry Ideal) Total BTU	1189.99	Heating Value (Sat Ideal) Total BTU	1169.23
Heating Value (Dry Real) Total BTU	1193.71	Heating Value (Sat Real) Total BTU	1172.75

10/20/2015

API 30-045-07857

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:	GCU Com B 143	Meter ID:	3004507857(CSG)
Sampled by:	D. Fuller	Date Sampled	12-16-15
Analyzed by:	Logan Richter	Date Received:	12-17-15
Sample Pressure:	148 psig	Date Analyzed:	12-17-15
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	0.164	0.275	0.015
Nitrogen	1.242	1.825	0.137
Carbon Dioxide	0.314	0.725	0.054
Methane	87.191	73.380	14.785
Ethane	5.632	8.885	1.507
Propane	3.328	7.698	0.917
i-Butane	0.582	1.774	0.190
n-Butane	0.883	2.693	0.279
i-Pentane	0.269	1.017	0.098
n-Pentane	0.175	0.663	0.063
C6+	0.221	1.065	0.096
	100.000	100.000	18.141

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99718	C2+	3.151
Density (G) (Dry Gas)	0.65825	C3+	1.644
Component MW Total	19.06	C5+	0.258
Heating Value (Dry Ideal) Total BTU	1140.87	Heating Value (Sat Ideal) Total BTU	1120.96
Heating Value (Dry Real) Total BTU	1144.10	Heating Value (Sat Real) Total BTU	1124.03



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JAN 28 2016

Ground Elevation 5497'
5509' KB

GCU COM B 143-CH/DK
CHACRA/DAKOTA
API #: 3004507857
Sec 35 - T29N - R12W
San Juan County, NM

Well History

11/5/63: Spud date
12/4/63: Completion date

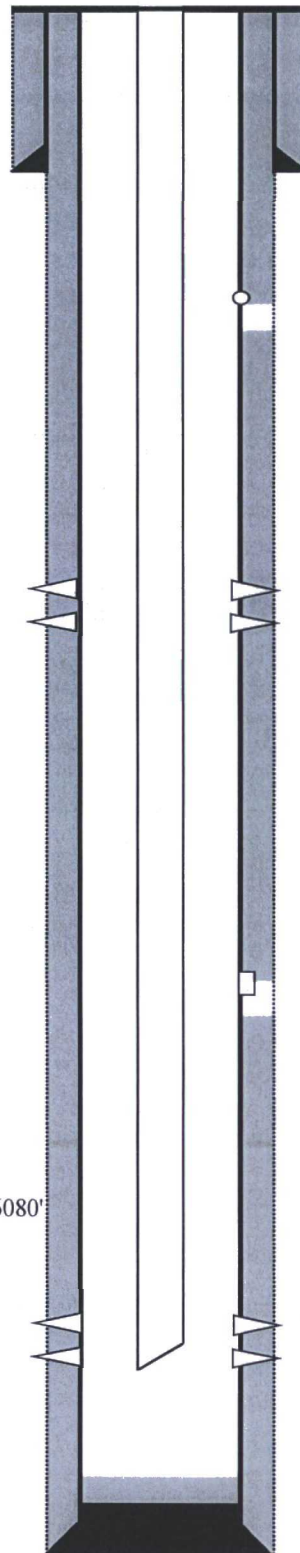
2003: Added Chacra perforations.

Formation Tops

Pictured Clif	1545
Lewis Shale	1615
Mesaverde	3062
Mancos	4265
Gallup	5154
Base Gallup	
Greenhorn	5908
Graneros Sh	5970
Graneros Da	6,009
Main Dakota	6,083

Profile nipple, 1.78" ID at 6080'

Tubing Depth
6082.73



TOC: surf

Surface Casing Data

121/4 hole
8 5/8", 24# Csg at 359'
230 sxs

Squeeze perf at 1100'
w/ 177 cu ft of Class B cmt (3/85)
TOC: 1140'

Chacra Data

2530-2630

Tubing Details

2 3/8" tubing

DV Tool at 4296'

TOC @ 4460'

Dakota Data

6010-6132

Production Casing Data

4 1/2", 10.5# at 6206'
1570 sx

PBTB 6167
TD: 6206

Length