



**NEW MEXICO ENERGY, MINERALS  
AND NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE  
1000 RIO BRAZOS ROAD  
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OIL CONS. DIV DIST. 3

JAN 28 2016

**BRADENHEAD TEST REPORT**

(Submit 2 copies to above address)

Date of Test 9/30/15 Operator BP America Production Company API # 3004508057

Property Name GCU COM 094-DK Location: Unit F Section 23 Township 29 Range 13  
(Well Name and Number)

Pressure (Shut-in or Producing) Tubing 103 Intermediate - Casing 116 Bradenhead 56

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Time	Bradenhead			Intermediate		Steady Flow	Surges	Down to Nothing	No Flow	Gas	Gas and Water	Water
	BH Blowdown	Casing Monitor	Intermediate Monitor	Intermediate Blowdown	Casing Monitor							
5 minutes	0	116						<input checked="" type="checkbox"/>				
10 minutes	0	116										
15 minutes	0	116										
20 minutes												
25 minutes												
30 minutes												
5 minute SI	0	116										

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

Clear  Fresh  Salty  Sulfur  Black

5 Minute Shut-in Bradenhead 0 Intermediate -

REMARKS:

Blew from 1" valve. BH had a blown to nothing in 30 sec.  
Not Enough BH Pressure to Purge 10 times & Sample

By

Witness \_\_\_\_\_

(Position)



API 30-045-08057  
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 94	Meter ID:	3004508057(CSG)
Sampled by:	D. Fuller	Date Sampled:	12-16-15
Analyzed by:	Logan Richter	Date Received:	12-17-15
Sample Pressure:	50 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	0.192	0.272	0.017
Nitrogen	0.997	1.238	0.110
Carbon Dioxide	1.653	3.224	0.283
Methane	74.724	53.123	12.687
Ethane	10.402	13.861	2.786
Propane	6.592	12.881	1.819
i-Butane	1.227	3.159	0.402
n-Butane	2.498	6.435	0.789
i-Pentane	0.772	2.468	0.283
n-Pentane	0.570	1.822	0.207
C6+	0.372	1.517	0.163
	100.000	100.000	19.545

**Calculations at Pressure Base 14.696**

Compressibility (Z) (Dry Gas)	0.99593	C2+	6.448
Density (G) (Dry Gas)	0.77930	C3+	3.662
Component MW Total	22.57	C5+	0.652
Heating Value (Dry Ideal) Total BTU	1298.88	Heating Value (Sat Ideal) Total BTU	1276.22
Heating Value (Dry Real) Total BTU	1304.19	Heating Value (Sat Real) Total BTU	1281.25



API 30-045-08057

OIL CONS. DIV DIST. 3

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**GCU COM 94 (aka Allen Gas Unit B #1)**

Reservoir / Permanent	Equipment / Temporary
Surface Casing TOC: 0' (50 sx ret)	R1).
Production Casing TOC: 0' (60 sx ret)	
Perf 11-30-2001 241-332 @ 4spf	
<b>Surface Casing Data</b> Hole Size: 12.25" 8.625", 22.7#, UNK @ 507'	T1). PROD TBG - 2 3/8", 4.7#
Cmt. w/ 270 sx Incor + 2% CaCL2 Tailed w/ 30 sx. Incor Neat	
DV TOOL @ 1432' Cmt w/ 500 sx Incor + 4% Gel + 1.5 pps Tuf Plug. 60 sx returns to surface.	<b>Formation 507</b> Kirtland 507' Fruitland 803' Pictured Cliffs 1226' Cliff Houste 2640' Mancos 3896' Gallup 4810' Dakota 5663'
<b>Perforation Data</b> 5755-5761 @ 0spf Frac 06/08/1962 w/ 49,000 gal fluid, 30K # of 20/40 and 10K # of 10/20 Sand	End of Tubing 5763'
<b>Production Casing Data</b> Hole Size: 7.875" 4.5", 10.5#, 0 @ 5940'	PBTD - 5,900' TD 5,940'
Cmt w/ 250 sx Incor + 4% Gel + 1.5 pps Tuf Plug, tailed w/ 100 sx. Incor Neat.	

**Current Wellbore**

WELL	GCU COM 94		
COUNTY	SAN JUAN		
STATE	NEW MEXICO	Lat:	36.71416335N
FIELD		Long:	-108.1781197W
API No.	3004508057		
RKB ELEVATION	5,290.0		
GL ELEVATION	5,278.0		
RKB-GL	12.0		
Location	SEC. 23	T 29 N	R 13 W
Location	0		

**DIRECTIONAL DATA**

MAX ANGLE	THRU	N/A
KOP	TYPE	Vertical

**PRODUCTION DETAIL**

	TUBING	CASING
SIZE (OD)	2 3/8	4 1/2
WEIGHT	4.70	10.50
GRADE		0
I.D.		4.052
DRIFT		3.927
COLLAPSE		
BURST		
YIELD		
THREAD		
DEPTH	5,763	5,940.00
CAPACITY		0.0159
# JOINTS		

**PRODUCTION TUBING ASSEMBLY DETAIL**

#	O. D.	I. D.	LENGTH	DESCRIPTION
	IN	IN	FT	
T1	2.375	0.000	5,763.00	PROD TBG - 2 3/8", 4.7#

**ROD ASSEMBLY DETAIL**

#	O. D.	I. D.	LENGTH	DESCRIPTION
	IN	IN	FT	
R1				

**CASING DETAIL**

#	BIT	SIZE	WGHT	GRADE	DEPTH
A	12 1/4	8 5/8	22.7	UNK	507
B	7 7/8	4 1/2	10.5	0.000	5,940

**RESERVOIR DATA**

BOTTOM HOLE PRESSURE	
HIGHEST ANTICIPATED PRESSURE	
MAXIMUM ALLOWABLE SURFACE PRESS	
BOTTOM HOLE TEMPERATURE	

Prepared by: J. Brown Date: 29-May-2013

LEASE NAME CHANGED FROM CANYON UNIT WELL NO. 94 TO ALLEN GAS UNIT "B" WELL NO. 1 ON AUGUST 20, 1962

Spud Date: 5/18/1962

Last Intervention: 11/30/2001 Not substantiated