



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 5/14/15 Operator BP America Production Company API # 3004524284

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

Pressure (Shut-in or Producing) Tubing 83 Intermediate N/A Casing 595 Bradenhead 51

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	W	595	[Wavy line]	[X]	[X]	Steady Flow		[Wavy line]
10 minutes	W	595				Surges		
15 minutes	W	595				Down to Nothing		
20 minutes	W	595				No Flow		
25 minutes	W	595				Gas		
30 minutes	W	595				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 N/A

REMARKS:

Blew through 1" valve. BH Puff down to a whisper. BH whisper throughout test.

W = whisper

By _____ Witness _____

(Position)



OIL CONS. DIV DIST. 3

DEC 18 2015

API 3004524284
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 B143E	Meter ID:	3004524284 (CSG)
Sampled by:	Sawyer M.	Date Sampled	07-14-15
Analyzed by:	Logan Richter	Date Received:	07-14-15
Sample Pressure:	46 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	0.022	0.005	0.002
Oxygen	0.288	0.495	0.026
Nitrogen	1.578	2.375	0.174
Carbon Dioxide	0.121	0.285	0.021
Methane	87.898	75.768	14.903
Ethane	6.003	9.698	1.605
Propane	2.614	6.193	0.720
i-Butane	0.400	1.249	0.131
n-Butane	0.597	1.864	0.188
i-Pentane	0.169	0.654	0.062
n-Pentane	0.121	0.468	0.044
C6+	0.192	0.946	0.084
	100.000	100.000	17.958

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99735	C2+	2.834
Density (G) (Dry Gas)	0.64266	C3+	1.228
Component MW Total	18.61	C5+	0.189
Heating Value (Dry Ideal) Total BTU	1113.66	Heating Value (Sat Ideal) Total BTU	1094.22
Heating Value (Dry Real) Total BTU	1116.62	Heating Value (Sat Real) Total BTU	1097.04

Rg/62-

10/20/2015

Project Manager:

Job Number

GRO/DRO by 8015

BTEX by 8021

ГРН by 418.1

Chloride by 300.0

Lab Number

	Correct Cont/Prsrv (s) Y/N
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Containers

QTY - Vol/TYPE/Preservative

10/21/15
marks

3004524284

Insufficient purgance + Bad results
result

	T1	T2	T3
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AVG Temp °C

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

****Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6C on subsequent days.**

Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:



5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

laboratory@envirotech-inc.com

API 30045 ~~20484~~
24284



Well Name: GCU Cam B143E

API
Meter #: 30045-24284

Sampled by: Daniel Fuller

Sample Time & Date: 10/21/15 @ 3:45

Sampling Temp.: _____

Sampling Pressure: 2 psi

Cylinder #: 258

Sample Source: BH

Purchaser: Sabre Beebe

Notes: Not enough volume
to purge 10x



envirotech

505-632-0615 • 800-362-1879
5796 US Highway 64, Farmington, NM 87401

API 3004524284



OIL CONS. DIV DIST. 3

DEC 18 2015

Ground Elevation 5462
KB Measurement

GCU COM B 143E

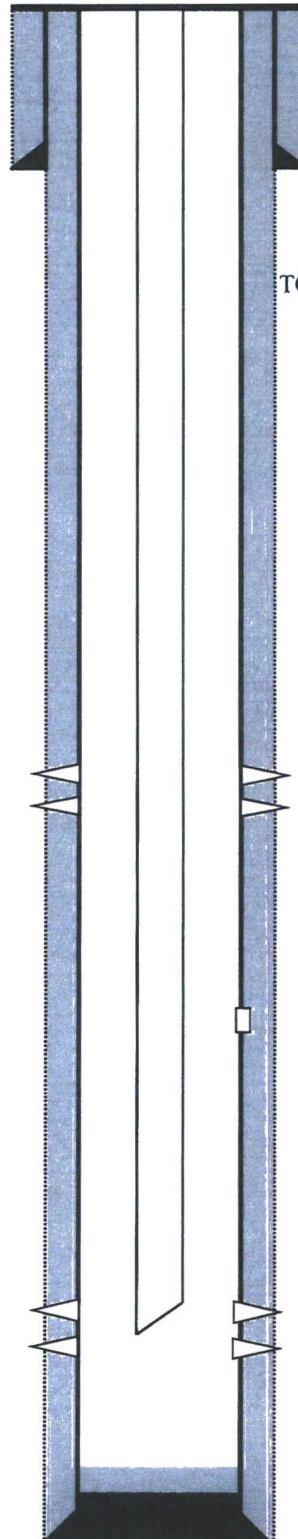
Chacra/Dakota
API #30-045-2428400
Unit M - Sec 25 - T29N - R12W
San Juan County, NM

Well History

5/22/80: Spud date
9/18/80: DK Completion date
12/4/2001: Recompleted to Chacra.
downhole.
3/26/02: Downhole commingled.
11/9/07: Wirelined. Broached tubing.
Fluid level 5600'.

Formation Tops

Kirtland-Frui	305
Pictured Clif	1480
Cliffhouse	3040
Menefee	3150
Point Lookot	3900
Mancos	4190
Gallup	5105
Base Greenh	5910
Dakota	5,945



TOC: Circulated to surface

Surface Casing Data

12 1/4" hole
8 5/8", 24# csg at 310'
Cmt w/ 315 sx Class B

TOC: Circulated to surface

Chacra Perforation Data

2437-2605
Frac'd w/ 500 gal 15% HCl, 585 bbls 70% foam w/ 49,574

Tubing Details

2 3/8" Tubing

Length

Stage Collar at 4330'

Stop at 6057'
Nipple @ 6072'
EOT @ 6075'

Dakota Perforation Data

5946-5956
6016-6074
Foam frac'ed w/ 56,248 gals N2 foam, 132,600# 20/40 san

Production Casing Data

7 7/8" hole
4 1/2", 10.5# csg at 6224'
Stage 1: 580 sx Class B
Stage 2: 1060 sx Class B

Depth
310
860
1362
1580
2088
2585
3053
3401
3902
4402
4906
5406
5906
6014
6218

PBTD 6179'
Total Depth 6224'