



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE  
1000 RIO BRAZOS ROAD  
AZTEC NM 87410  
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[http://emnr.state.nm.us/ocd/District III/3district.htm](http://emnr.state.nm.us/ocd/District%20III/3district.htm)

RCVD JUL 30 '13  
OIL CONS. DIV.  
DIST. 3

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 7-30-13 Operator BP America API #30-0 45-24171  
Property Name GCU Well No. 1886 Location: Unit B Section 30 Township 29 Range 12  
Well Status (Shut-In or Producing) Producing Initial PSI: Tubing 0 Intermediate N/A Casing 352 Bradenhead 150

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

| Testing | PRESSURE |            |            | INTERM |     |
|---------|----------|------------|------------|--------|-----|
|         | BH       | Bradenhead | Csg        | Int    | Csg |
| TIME    |          |            |            |        |     |
| 5 min   | <u>0</u> |            | <u>352</u> |        |     |
| 10 min  | <u>0</u> |            | <u>352</u> |        |     |
| 15 min  | <u>0</u> |            | <u>352</u> |        |     |
| 20 min  | <u>0</u> |            | <u>352</u> |        |     |
| 25 min  | <u>0</u> |            | <u>352</u> |        |     |
| 30 min  |          |            |            |        |     |

| FLOW CHARACTERISTICS        |              |
|-----------------------------|--------------|
| BRADENHEAD                  | INTERMEDIATE |
| Steady Flow <u>/ vapors</u> |              |
| Surges                      |              |
| Down to Nothing             |              |
| Nothing                     |              |
| Gas <u>/</u>                |              |
| Gas & Water                 |              |
| Water                       |              |

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

CLEAR \_\_\_\_\_ FRESH \_\_\_\_\_ SALTY \_\_\_\_\_ SULFUR \_\_\_\_\_ BLACK \_\_\_\_\_

5 MINUTE SHUT-IN PRESSURE

BRADENHEAD B1

INTERMEDIATE N/A

REMARKS:

Hard blow with surge at 9 seconds to light blow  
at 20 seconds. vapors at 4 min vapors 10-15-20

By Ray Jarama  
Teck  
(Position)

Witness Mona Kuehling

E-mail address \_\_\_\_\_



Ground Elevation 5304'  
KB Measurement

**GCU 188E**  
Dakota  
API # 30-045-24171  
Sec. 30, T29N, R12W  
San Juan County, NM

**Well History**

4/1980: Spud date

**Formation Tops**

|               |      |
|---------------|------|
| Pictured Clif | 1190 |
| Mesaverde     | 2880 |
| Manoc         | 3935 |
| Gallup        | 4854 |
| Dakota        | 5800 |

Nipple Data (2.375OD, 1.88ID, at 5844)

Nipple Data (2.375OD, 1.78ID, at 5849')

2 3/8", 4.7#, J55 EUE @ 5852 (2007)

Fill at 5875' (hard)

PBTD=5931'  
Total Depth=5980'

TOC: Circulated good cement

**Surface Casing Data**

12 1/4" hole  
8 5/8", 24#, J55 @ 293'  
Cmt w/ 320 sx

TOC: Good cement circulated  
to surface

**Deviation**

| Depth | Degree |
|-------|--------|
| 310   | 0.25   |
| 874   | 0.5    |
| 1403  | 0.5    |
| 1992  | 0.5    |
| 2117  | 0.75   |
| 2645  | 1      |
| 3206  | 1      |
| 3671  | 1      |
| 4146  | 2      |
| 4691  | 2      |
| 5248  | 2      |
| 5800  | 2.5    |
| 5980  | 2.5    |

**Tubing Details**

|                               | <b>Length</b> |
|-------------------------------|---------------|
| TUBING HANGER 7.027"          | 1             |
| TUBING JOINTS 2.375" J55 4.7# | 31.3          |
| TUBING PUPJOINT 2.375"        | 10            |
| TUBING PUPJOINT 2.375"        | 4             |
| TUBING JOINTS 2.375" J55 4.7# | 5783.7        |
| PROFILE NIPPE 2.375"          | 1             |
| TUBING PUPJOINT 2.375"        | 4             |
| PROFILE NIPPE 2.375"          | 0.86          |
| TUBING JOINTS 2.375" J55 4.7# | 2             |

DV tool at 4083'

**Perforation Data**

5722-5818  
5890-5910  
Frac'd w/ 76,000 gals frac fluid, 248,000# 20/40 snad

**Production Casing Data**

7 7/8" hole  
4 1/2" 10.5# @ 5980'  
Cmt w/ 1470 sx  
Stage 1: 535 sx Class B  
Stage 2: 940 sx Class B