



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
(505) 334-6178 FAX: (505) 334-6170
<http://emnr.state.nm.us/ocd/District/III/3distric.htm>

RCVD AUG 2 '13
OIL CONS. DIV.
DIST. 3

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 8-2-13 Operator BP America API #30-0 45-07910

Property Name GCU Well No. 173 Location: Unit A Section 29 Township 29 Range 12

Well Status (Shut-In or Producing) Producing Initial PSI: Tubing 0 Intermediate 11A Casing 9 Bradenhead 1

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

PRESSURE

Testing	Bradenhead			INTERM	
	BH	Int	Csg	Int	Csg
TIME					
5 min	0		9		
10 min	0		9		
15 min	0		9		
20 min	0		9		
25 min	0		9		
30 min	0		8.5		

FLOW CHARACTERISTICS

BRADENHEAD INTERMEDIATE

Steady Flow

Surges

Down to Nothing ☒

Nothing

Gas

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 0

INTERMEDIATE 11A

REMARKS:

Stuffing box leak - down to nothing in 1 second.
Gas sample taken 7:29.

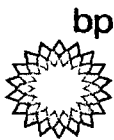
By

(Position)

Witness

E-mail address

Monica Kunkling
analyst
OK Gas sample for starting
pressure
tested in 6 mths

**Gallegos Canyon Unit 173**

Fruitland Coal
API # 30-045-07910
T-29N, R-12-W, Sec. 29
San Juan County, New Mexico

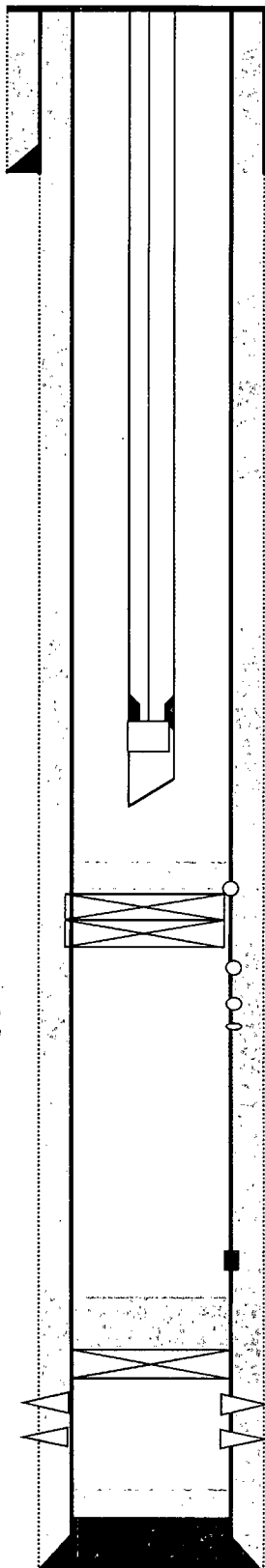
Well History

9/12/1964: Spud date. Completed DK formation
10/18/1964: Completion date
6/12/1976: Repaired casing.
1/2000: Recompleted to Fruitland Coal
11/24/2008: Pressure tested casing
Replaced bottom 10 jts of tubing.
Per NMOCD, left BH open & monitor pressure.
Did not squeeze.

Nipple Data (2.375"OD, 1.78"ID at 1241')
End of Tubing 1260.06'

Formation Tops

Ground Eleveation 5317'
KB Measurement 5330'



PBTD: 1311'
TD: 5950'

TOC: Circulated to surface

Surface Casing Data

12 1/4" Hole
8 5/8", 24.0# @ 369'
Cmt w/ 200 sxs

TOC:

Rod Details

POLISHED ROD 1.125"
ROD 0.75" D (49)
ROD PUMP, 2"X1.25X14'

Length

11
1225
14

Tubing Details

TUBING JOINTS 2.38", J55, 4.7 (39 jts)
F NIPPLE 2.375"
MULE SHOE, J55, 4.7

Length

1228
0.93
18.13

Fruitland Perforation Data

1190' - 120 1214' - 1222', 4 SPF
1230' - 1235', 4 SPF
Frac w/ 500 gals 15% HCl, 70Q
N2 Foam (N2 used 477 scf, total
vol. pumped 493 bbls), 95,000#
20/40 sand

TOC @ 1311' (01/2000)
Casing leak @ 1330' (01/2000)
Sqz'd-off w/ 100 sxs class B neat cmt

CIBP @ 1350' (01/2000)
CIBP @ 1400' (01/2000)

Casing leak @ 2923'
Sqz'd-off w/ 100 sxs class B neat cmt
Casing leak @ 3130'
Sqz'd-off w/ 75 sxs class B cmt +
75 sxs class B neat cmt
Sqz'd casing 2972' - 3165'
w/ 50 sxs class B neat cmt
Casing leak @ 2926'
Sqz'd-off w/ 100 sxs class B neat cmt
(06/1976)

Stage tool @ 4076'
Cmt plug 5516' - 5718' (01/2000)
CIBP @ 5718' (01/2000)

Dakota Perforation Data

5768' - 5776', 2 SPF
5780' - 5786', 2 SPF
5844' - 5866', 2 SPF
Frac w/ 30,072 gals water 20,000# sand
Frac w/ 44,972 gals water 40,000# sand

Production Casing Data

7 7/8" Hole
4 1/2", 10.5# @ 5948'
Cmt w/ 1000 sxs