



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/3district.htm](http://emnr.state.nm.us/ocd/District%20III/3district.htm)

RCVD JUL 17 '13

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

OIL CONS. DIV.
DIST. 3

Date of Test 7-17-13 Operator BP America API #30-0 45-07805
Property Name GCU ComG Well No. 179 Location: Unit K Section 26 Township 29 Range 12
Well Status (Shut-In or Producing) Initial PSI: Tubing 148 Intermediate VA Casing 220 Bradenhead 200

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing TIME	PRESSURE				
	Bradenhead		INTERM		
	BH	Int	Csg	Int	Csg
5 min	1		220		
10 min	1		220		
15 min	1		220		
20 min	1		218		
25 min	1		215		
30 min	1		215		

	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

34

INTERMEDIATE

VA

REMARKS:

Very hard blow - blue gas - scream at 38 seconds
No blue at 52 seconds. Surge 1.5 minutes to medium
2.15 min - med light at 3 min. 5 min - surged at 11 min
for rest of 30 min

By Kay Pedraza

(Position)

Witness Monica Kuchling

Gas Sample Taken

E-mail address _____



Ground Elevation
5458 RDB

GCU COM G 179

Dakota
API # 30-045-07805
Sec. 26, T29N, R12W
San Juan County, New Mexico

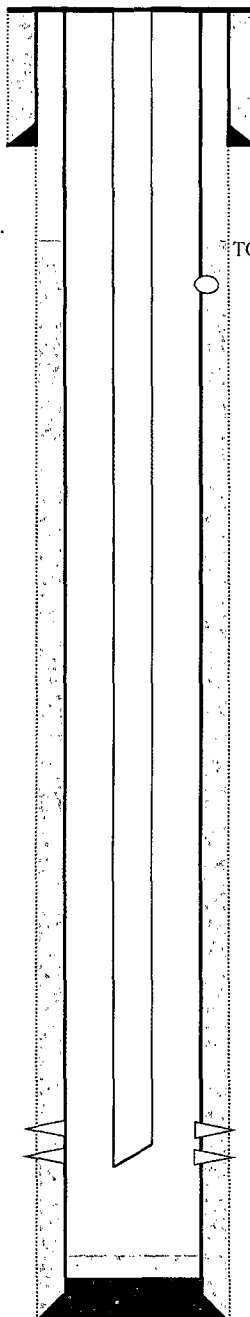
Well History

Spud date 10/10/1964
1/27/1993: Bradenhead repair. Set bridge plug at 5900'.
Ran CBL from 4500' to surface. Cmt top at 900'. Perf
at 800'. Cmt w/ 120 sx Class B nesat.
Squeeze to 1000 psi. Pressure tested casing to
600 psi. Ran CBL 1000' to surface. Cmt top at 750'.
Cleaned out to 6073'.

Formation Tops

Surf. Sand/shale	surface
Pictured Clif	1440'
Lewis Shale	1500'
Mesa Verde	2985'
Mancos	4165'
Gallup	5082'
Base Gallup	5438'
Greenhorn	5846'
Graneros Shale	5910'
Graneros Dakota	5950'
Main Dakota	6026'

Tubing Depth
6060'



PBTD: 6073'
TD: 6110'

TOC: surf

Surface Casing Data

12-1/4" Hole
8-5/8", 24#, @ 370'
Cmt w/ 300 sks, Class B, neat
cmt w/ 2% CaCl2
Good cmt circulated to surface

TOC: 750'

Tubing Details

1 1/4" JCW-55, 2.33 lbs., IJ tubing

Length

2663

DV Tool @ 4261'

Perforation Data

Graneros; 5951-5963' @ 4 Sspf
Frac'd w/ 30,000 gals water containing
0.8% KCl, 2 lbs FR-8 per 1000 gals
& 25,000 lbs sand
Main Dakota: 6049'-6053' @ 3spf
Main Dakota: 6054'-6060' @ 2spf
Frac'd w/ 37,000 gal water containing
0.8% Kcl, 2 lbs FR-8 per 1000 gals
& 35,000 lbs sand

Production Casing Data

7-7/8" Hole
4-1/2", 10.5# @ 6110'
Cmt 1st Stage: Cement w/ 400 sxs cmt containing 6% gel
and 2 lbs Tuf Plug per sack.
Cmt 2nd Stage: Cement w/ 1000 sxs cmt containing 6% gel
and 2 lbs Tuf Plug per sack.

Deviation Report

Depth	Deviation
370'	1/4 deg
1255'	1/2 deg
1755'	1/2 deg
2255'	1 deg
3135'	1 deg
3635'	1 deg
3973'	1 deg
4330'	1 deg
4825'	1 deg
5445'	1 deg
5730'	1 deg
5967'	1 deg