

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well

GAS

2. Name of Operator

MERIDIAN OIL

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

800' FSL, 1800' FWL, Sec. 13, T-28-N, R-10-W, NMPM

5. Lease Number

SF-079634

6. If Indian, All. or

Tribe Name

7. Unit Agreement Name

8. Well Name & Number

McClanahan #20

9. API Well No.

30-045-07418

10. Field and Pool

Basin Dakota

11. County and State

San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

☒ Notice of Intent☐ Abandonment☐ Change of Plans☐ Subsequent Report☐ Recompletion☐ New Construction☐ Final Abandonment☐ Plugging Back☐ Non-Routine Fracturing☐ Casing Repair☐ Water Shut off☐ Altering Casing☐ Conversion to Injection☒ Other - Bradenhead repair

13. Describe Proposed or Completed Operations

It is intended to repair the bradenhead of the subject well according to the attached procedure and wellbore diagram.

14. I hereby certify that the foregoing is true and correct.

Signed Ray Stanfield (VGW2) Title Regulatory Administrator Date 2/9/96

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

Date _____

CONDITION OF APPROVAL, if any:

APPROVED

FEB 15 1996

DISTRICT MANAGER

NMOC

WORKOVER PROCEDURE - BRADENHEAD REPAIR

MCCLANAHAN #20

Basin Dakota

Unit N, Sec. 13, T28N, R10W

San Juan Co., New Mexico

DPNO 46489

Note: Make "One-Call" 48 hours prior to making any disturbance on location.

1. Comply to all NMOCD, BLM, and MOI regulations. Conduct daily safety meetings for all personnel on location.
2. Test location rig anchors and repair if necessary. Prepare blow pit. MOL and RU daylight pulling unit. Install a 400 bbl frac tank and an atmospheric blow tank. NU blooie line to blow pit, and relief line to atmospheric tank. Fill frac tank with 1% KCl water.
3. Blow down tubing (2-3/8", 4.7#, J55, 196 jts., 6165') to atmospheric tank. Control well with 2% KCl water as needed. ND wellhead and NU BOP's. Test and record operation of BOP's. Send wellhead to A-1 Machine or WSI for inspection.
4. RU wireline unit and check tubing for plunger lift equipment and/or other obstructions. TIH with tubing and tag fill. Record depth. PU on tubing and strap out of hole. Visually inspect tubing, and replace joints that are in bad condition. Note any buildup of scale, and notify Operations Engineer.
5. PU 2-7/8" bit, casing scraper (4-1/2", 9.5 and 11.6 ppf), and CO to below perms. POOH and PU 4-1/2" RBP. TIH and set RBP at 6100'. Pressure test casing to 1000 psig. Spot on sack of sand on top of RBP. POOH.
6. RU wireline unit. Run CBL (with 1000 psig pressure) from DV tool @ 1954' to surface. TOC @ 1700' per temperature survey. Contact Operations Engineer for design of squeeze cement.
7. Perforate 4 squeeze holes as close to TOC as possible. TIH with 4-1/2" fullbore packer and set 250' above perforations. Establish rate into perforations with bradenhead valve open. Max pressure 1000 psig.
8. Mix and pump cement. If circulation to surface has been established, pump with turbulent flow behind pipe. Displace cement to packer. Squeeze cement into perforations. Maintain squeeze pressure and WOC 12 hours (overnite).
9. Release packer and POOH. TIH with 3-7/8" bit and drill out cement. Pressure test casing to 1000 psig. Test bradenhead valve for flow. Re-squeeze as necessary to hold pressure, or to stop fluid flow at surface.
10. TIH with retrieving tool and retrieve RBP. POOH and LD RBP.

11. TIH with production tubing (seating nipple one joint off bottom, and an expendable check on bottom). Rabbit tubing in derrick before running in hole. Tag COTD, blow well clean, and land tubing at 6326'.
12. ND BOP's and NU wellhead. Pump check from tubing. Obtain final gauge.
13. Release rig.

Recommend: _____
Operations Engineer

Approve: _____
Drilling Superintendent

Contacts: Operations Engineer Gaye White 326-9875

McClanahan #20

Current -- 2-7-96

DPNO: 46489

Basin Dakota

800' FSL, 1800' FWL

Unit N, Sec. 13, T28N, R10W, San Juan County, NM

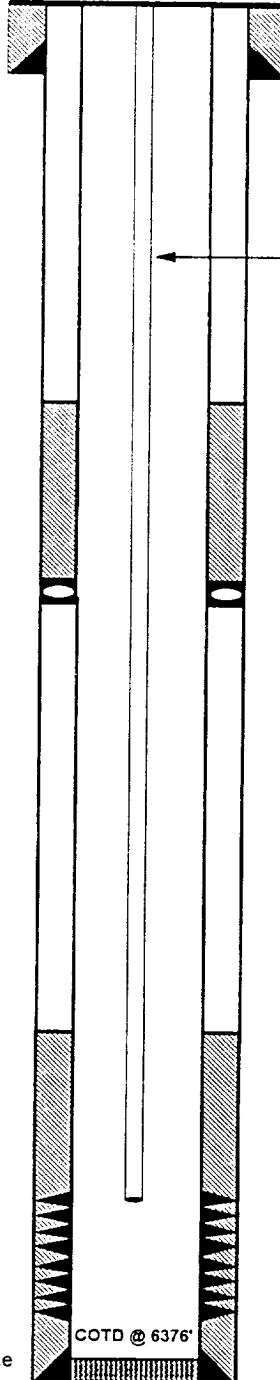
Longitude/Latitude: 107.849442 - 36.657120

Spud: 08-18-60
Completed: 09-03-60
Elevation: 5716' (DF)
5707' (GL)
Logs: TS, GR, IE

Pictured Cliffs @ 1861'

Dakota @ 6228'

12-1/4" Hole



7-7/8" Hole

TD @ 6410'

8-5/8", 24#, J55 csg. set @ 331'
Cmt. w/225 sx w/2% Cacl₂
Circulated to surface

2-3/8" 4.7#, J55 8rd tbg. set @ 6178'
(196 jts., 6165')

TOC @ 1700' (TS)

DV Tool @ 1954'

TOC @ 5300' (TS)

Perfs @ 6230' - 6246', 6296' - 6326' 4 SPF
Frac'd w/54,000# 20/40 sd, 20,000# 10/20 sd
1500 bbis wtr., flush w/300 bbis wtr.

4-1/2", 11.6# (1471'), 9.5# (4925'), J55 csg. set @ 6408'
1st Stage: 200 sx w/4% gel, 100 sx Neat
2nd Stage: 100 sx

Initial Potential:

Initial AOF: 7289 Mcf/d 09-14-60
Initial SITP: 2035 Psig 09-14-60
Last Avail SITP: 487 Psig 07-02-92

Production History: Gas

Well Cum 3.1 Bcf
Production as of 12/95 42 Mcf/d

Oil

53.8 Mbo
12 bo

Ownership:

GWL: 100.000%
NRI: 87.000%
SJB: 75.000%

Pipeline:

Williams Field Service



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Farmington District Office
1235 La Plata Highway
Farmington, New Mexico 87401

IN REPLY REFER TO:

**Attachment to Notice of
Intention to Workover**

**Re: Workover
Well: 20 McClanahan**

CONDITIONS OF APPROVAL

1. If the cement does not circulate to the surface in the annular space, and additional cementing is required, the following intervals should be cemented.

- A. Fruitland (top @ 1610') -- Cement from 1660' to 1560'.
- A. Ojo Alamo (bottom @ 894', top @ 757') -- Cement from 944' to 707'.
- D. Surface casing (set @ 331') -- Cement from 381' to surface.