

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
BLM

Sundry Notices and Reports on Wells

93 JUN 15 AM 7:33

1. Type of Well
Gas

RECEIVED
JUN 18 1993

070 FARMINGTON, NM

5. Lease Number
SF 079193

6. If Indian, All. or
Tribe Name

2. Name of Operator
MERIDIAN OIL

OIL CON. DIV
DIST. 3

7. Unit Agreement
San Juan 28-6 Unit

3. Address & Phone Number of Operator
P. O. Box 4289, Farmington, NM 87499 (505) 326-9700

8. Well Name & Number
S J 28-6 Unit #61
9. API Well No.

4. Location of Well, Footage, Section, T, T, M
830' FSL, 800' FWL, Section 21, T-28-N, R-06-W

10. Field and Pool
Blanco Mesaverde
11. County and State
Rio Arriba, NM

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

Type of Submission

Type of Action

<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input checked="" type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other	

13. Describe Proposed or Completed Operations

It is intended to repair a casing failure as indicated at the bradenhead valve behind the 7-5/8" casing in the subject well in the following manner.

MOL&RU. The 5-1/2" long string of casing will be pulled from the well in order to test the 7 5/8" casing for leaks and squeeze cement to surface behind the 7 5/8" casing. The 5 1/2" casing will be ran back in the well after the 7 5/8" casing has been repaired. The well will then be returned to production.

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

Signed [Signature] (KS) Title Regulatory Affairs Date JUN 18 1993

DISTRICT MANAGER

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

NMOCD

**SAN JUAN 28-6 UNIT #61
SW/4 SECTION 21, T-28-N, R-06-W
RIO ARriba COUNTY, NEW MEXICO**

WELLBORE SHEMATIC

425 PSI ON PRODUCTION
CASING AND INTERMEDIATE
CASING VALVES.

90 PSI ON THE
BRADENHEAD VALVE.
WON'T BLOW DOWN.

CMT W/ 150 SX
TO SURFACE

10-3/4" 32.75#
J&L 8RD CSG
SET @ 213'

TOC @ 1823' (CALC
75% EFF)

7-5/8" 24.40# CASING
SET @ 3144'.

TOC @ 3736' (CALC
75% EFF)

2-3/8" TBG SET @ 5453
S.N. 1JT OFF BOTTOM

4TH STAGE: FRAC W/
47,880 GALS WATER 4896'
4966'
3RD STAGE: FRAC W/
47,880 GALS WATER 5034'
5258'
2ND STAGE: FRAC W/
47,880 GALS WATER 5320'
5382'
1ST STAGE: FRAC W/
47,880 GALS WATER 5396'
5470'
5-1/2" 14.00# CF&I 8RD
CSG SET @ 5498'

CURRENT

PROPOSED

ELEVATION: 6331' GL

TOP OF OJO ALAMO @ 2303'

TOP OF KIRTLAND @ 2465'

TOP OF FRUITLAND @ 2900'

TOP OF PICTURED CLIFFS
@ 3134'

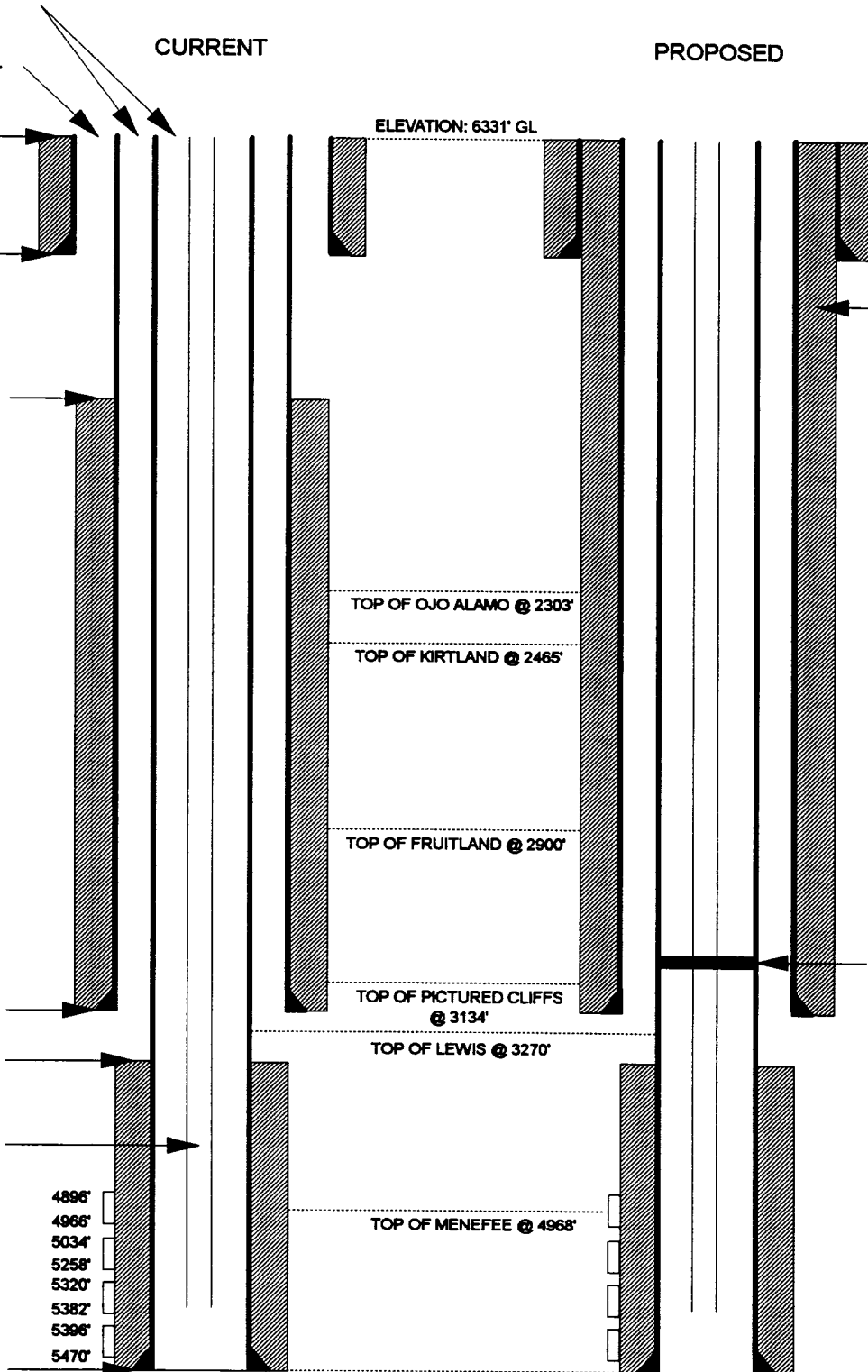
TOP OF LEWIS @ 3270'

TOP OF MENELEE @ 4968'

PBTD @ 5493'
TD @ 5500'

CIRCULATE CEMENT
TO SURFACE AND OUT
BRADENHEAD VALVE
BEHIND 7-5/8" CASING

BOWEN 5-1/2" X 6-13/16"
LEAD SEAL CASING
PATCH ABOVE 7-5/8"
CASING SHOE.



**San Juan 28-6 Unit #61
SW/4 Section 21, T-28-N, R-06-W
Mesaverde Casing Repair**

Note: Notify BLM (599-8907) and NMOCD (334-6178) 24 hours before rig activity.

1. Test location rig anchors and repair if necessary. Hold safety meeting. MIRU. Place fire and safety equipment in strategic locations. NU blooie line and relief line. Comply with all MOI, BLM, and NMOCD rules and regulations. Obtain and record all wellhead pressures. Install 1 X 400 bbl tank and fill with water.
2. Rig up wireline and set choke in seating nipple in Mesaverde 2-3/8", 4.7# J-55 8rd tubing. Blow down tubing.
3. TOOH with 5453' of 2-3/8", 4.7# 8rd tubing. Replace any bad joints.
4. TIH with 5-1/2", 14.00# casing scraper and 2-3/8" tubing down to 4800'. TOOH.
5. TIH with 5-1/2" retrievable bridge plug and packer in tandem on 2-3/8" tubing. Set retrievable bridge plug in 5-1/2", 14.00# casing above Mesaverde perforations @ 4750'. Dump 2 sx of sand on top of retrievable bridge plug.
6. Load well with approximately 116 bbls of water (5-1/2", 14.00# capacity = 0.0244 bbls/ft). Pull up packer to 4700' and pressure test 5-1/2" casing-tubing annulus to 800 psi. If casing does not pressure test, pull up packer and tubing and locate holes. Record depth of holes and TOOH with packer and tubing.
7. Pick up one joint of 2-7/8" drill pipe, 5-1/2" casing spear with stop sub, and bumper sub. Engage 5-1/2" casing. Pick up on tubing spool/BOP's and retrieve 5-1/2" casing slips. Nipple up tubing spool/BOP's.
8. RU Wireline Specialties Inc. Run freepoint tool down to top of cement and find casing freepoint. Record all data from freepoint test and submit to Production Engineering. TOOH with freepoint tool.
9. RIH with chemical cutter and cut 5-1/2" casing at freepoint above top of cement. **DO NOT CHEMICAL CUT CASING UNDER 7-5/8" CASING SHOE.** TOOH with chemical cutter.
10. TOOH with 5-1/2", 14.00# J-55 8rd casing.
11. TIH with retrievable bridge plug and tubing. Set retrievable bridge plug in 7-5/8", 26.40# J-55 8rd casing 50' above 5-1/2" casing stub. Load well with water. Dump 2 sx of sand on top of retrievable bridge plug. TOOH.
12. Run CBL from bridge plug in 7-5/8" casing to surface under 800 psi. RD wireline. If casing will not pressure test, TIH with packer and tubing. Record depth of holes, injection rate at each hole and/or pressure bleed-off rate at each hole. Submit all pressure test information to Production Engineering. **Squeeze procedure will be provided only when CBL and pressure test data have been evaluated.**
13. TIH 6-3/4" bit and 2-3/8" tubing. Drill out cement down to 7-5/8" bridge plug. Pressure test 7-5/8" casing to 800 psi. Continue with procedure only when casing has been repaired and approved by the NMOCD.

**San Juan 28-6 Unit #61
Mesaverde Casing Repair**

14. TIH with retrieving head and 2-3/8" tubing and clean out to retrievable bridge plug. TOOH with retrievable bridge plug inside 7-5/8" casing.
15. TIH with Baker 6" OD concave casing mill inside of 6-3/8" rotary shoe and 2-7/8", 6.50# workstring (rented). Smooth top of chemical cut 5-1/2" casing (recommended to mill 6" off top of existing casing stub). TOOH with tubing and mill.
16. TIH with 5-1/2" casing and Bowen 5-1/2" X 6-13/16" OD Lead Seal Casing Patch. Engage 5-1/2" casing patch on existing casing stub in well. Pressure test 5-1/2" casing to 1000 psi. When pressure test holds, ND tubing spool/BOP's, set casing in slips, and cut off top of casing. NU tubing spool/BOP's.
17. TIH with retrieving head and 2-3/8" tubing and unload water from well with gas. TOOH with retrievable bridge plug inside 5-1/2" casing.
18. TIH with 2-3/8" tubing, expendable check valve, and seating nipple one joint off bottom. CO to PBTD (5493') with air. Land tubing at approximately 5450'.
19. ND BOP's. NU WH. Pump off expendable check valve, obtain pitot gauge, and return Mesaverde formation to production. RD MOL.

Approve: _____
J. A. Howieson

Vendors:

Milling, Cement Retainer: Baker Service Tools (325-0216)
Casing Patch: Bowen Tools Inc. (326-4303)
Wireline Services and Chemical Cutting: Wireline Specialties Inc. (327-7141)
Remedial Cement: Western (327-6222)