

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION

Form C-103

Sundry Notices and Reports on Wells

1. Type of Well GAS	API NO. (assigned by OCD)
2. Name of Operator Meridian Oil Inc.	5. Type of Lease FEE
3. Address of Operator PO Box 4289, Farmington, NM 87499	6. State Oil & Gas Lease #
4. Well Location 654'S, 1980'E Sec. 24, T-31-N, R-11-W NMPM County San Juan	7. Lease Name/Unit Name Ruple
	8. Well No. 1X
	9. Pool Name or Wildcat Blanco Mesaverde
10. Elevations 5770' GR	

11. Intent to/Subsequent Report of : Casing Repair

12. Describe proposed or completed operations:

It is intended to perform a casing repair per the attached procedure and wellbore diagram.

RECEIVED
MAY 18 1990
OIL CON. DIV
DIST. 3

SIGNATURE Charles A. Jones (JLS) Regulatory Affairs 5/18/90
May 18, 1990 Date

=====
(This space for State use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITION OF APPROVAL, IF ANY: _____

**Ruple #1X
Recommended Workover Procedure**

1. Move in blow tank for wellbore fluids. Install and test anchors as necessary.
2. MOL and RU workover rig equipped with power swivel, pump and steel pit. Hold safety meeting and comply with all, NMOCD and MOI regulations.
3. RU return line to blow tank, record casing, tubing and bradenhead pressures. Blow well down and kill as required with 1% KCL water. NU BOP.
4. TOOH with 154 joints of 2 3/8" 4.7# J-55 tubing. Visually inspect and replace bad joints.
5. TIH with 6 1/4" bit and 7" casing scraper on 2 3/8" tubing, clean out to 4650'
6. TIH with 7" Retrievable Bridge Plug on 2 3/8" tubing. Set RBP at 4600'. Spot sand on top of RBP. TOOH.
7. Load hole with water. Pressure test casing and RBP to 1,500 PSI for 15 minutes.
8. RU wireline and run GR-CBL-CCL from 4,600' to surface. Locate TOC.
9. Perforate 2 squeeze holes at 2477' (50' below top of Pictured Cliffs). (If TOC is above 2477', perforate 2 squeeze holes 25' above TOC) Insure that hole is full prior to firing.
10. Open bradenhead valve and establish circulation with water down 7" casing.
11. Run 7" fullbore packer on 2 3/8" tubing, set at 200' above squeeze holes.
12. Establish circulation down 2 3/8" tubing with water. Mix and pump 863 cf (1.93 cf/sack=447 sacks) of class B 65/35 POZ 6% gel 6 1/4 lbs gilsonite and 2% CaCl tailed with 59 cf (1.18 cf/sack=50 sacks) class B cement with 2% CaCl. Circulate to surface. (Total 922 cf cement 100% excess).

Volume between 9" hole and 7" casing = $0.1745 \text{ cf/ft} \times 2,221 \text{ ft} = 388 \text{ cf}$
Volume between 10 3/4" csg and 7" csg = $0.2836 \text{ cf/ft} \times 256 \text{ ft} = 73 \text{ cf}$

Once cement has been circulated to surface, wash pump lines, close bradenhead valve and displace tubing with water (9 bbls), release packer, reverse circulate 2 tubing volumes of water (18 bbls or 0.00387 bbl/ft), pull 2 stands, reset packer and reapply squeeze pressure of 1,500 PSI. WOC 18 hours.

13. Release packer and TOOH. TIH with 6 1/4" bit and casing scraper , drill out cement below squeeze. Pressure test casing to 1,500 PSI. (If cement did not circulate to surface, run GR-CBL-CCL and re-squeeze. If TOC is determined to be inside the 10 3/4" surface casing, contact the NMOCD, this may be sufficient.)
14. TIH and clean out with nitrogen to RBP. Latch RBP and TOOH.
15. TIH and clean out to total depth with nitrogen (TD @ 4950').
15. TIH with expendable check and 2 3/8" tubing, land tubing. ND BOP and NU wellhead (Inspect and replace any unsatisfactory wellhead equipment). Return well to production.

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Energy, Minerals and Natural Resources Department
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Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator
Meridian Oil Inc.

3. Address of Operator
PO Box 4289, Farmington, NM 87499

4. Well Location
654'S, 1980'E
Sec.24,T-31-N,R-11-W NMPM County San Juan

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FEE

6. State Oil & Gas Lease #

7. Lease Name/Unit Name
Ruple

8. Well No.
1X

9. Pool Name or Wildcat
Blanco Mesaverde

10. Elevations
5770' GR

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MAY 21 1990
OIL CON. DIV.
DIST. 3

SIGNATURE *Charles A. Jones* (JLS) Regulatory Affairs 5/18/90
May 18, 1990 Date

(This space for State use)

APPROVED BY Original Signed by FRANK I. CHAVEZ
CONDITION OF APPROVAL, IF ANY:

TITLE MANAGER, DISTRICT 3 DATE MAY 29 1990

RECEIVED
JAN 10 1964
COMM. DIV.
FBI

MAY 5 1964

FBI - NEW YORK

RECEIVED J. EDGAR HOOVER

Ruple #1X
Recommended Workover Procedure

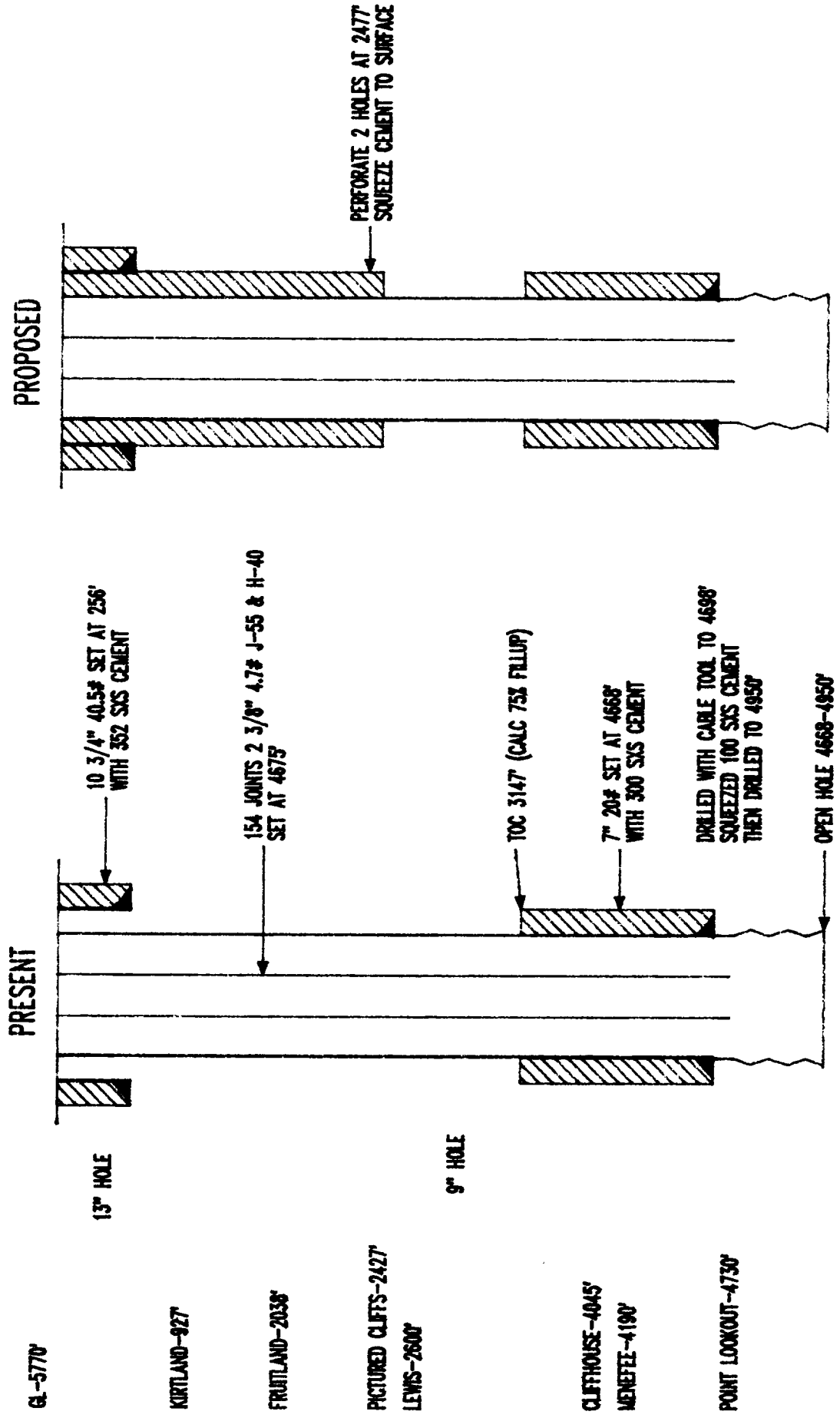
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Return well to production.

RUPLE #1X SE/4 SECTION 24, T31N-R11W



SHOT WITH 600 QUARTS NITRO 4730-4950'

TD-4950'