COPY TO O. C. C.

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☑ gas well ☐ other

2. NAME OF OPERATOR
CONTINENTAL OIL CO

3. ADDRESS OF OPERATOR
P.O. BOX 460 Hobbs N.M 88240

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 660' FSL + 660' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
LC 029405 b

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
MCA UNIT

8. FARM OR LEASE NAME
MCA

9. WELL NO.
98

10. FIELD OR WILDCAT NAME
MALJ. (G-SA)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC 20 T17S R32E

12. COUNTY OR PARISH
LEA

13. STATE
NM

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
3950' GL

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

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	☐		☐
FRACTURE TREAT	☐		☐
SHOOT OR ACIDIZE	☐		☐
REPAIR WELL	☐		☐
PULL OR ALTER CASING	☐		☐
MULTIPLE COMPLETE	☐		☐
CHANGE ZONES	☐		☐
ABANDON*	☐		☐
(other) Repair surf. wtr flo X			

RECEIVED
MAY 1979
U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and and zones pertinent to this work.)*

RECOMMENDED PROCEDURE

1) Rig up construction crew. Dig pit. Open casing-casing valve to pit to relieve pressure from outside surface pipe. Dig out around surface pipe (approx. 9' dia. and 6' deep hole). Fill hole with mixture of ready mix cement and pea gravel to close off waterflow around surface pipe. Wait on cement 24 hours.

2) Move in and rig up. Load or kill well if necessary with treated fresh water.

3) Pull out of hole with rods, pump and tubing.

4) Rig up logging service and run base temperature and gamma ray logs from 2500'-surface. Record natural formation temperatures and radiation. Temperature log may determine source of flow. Report results to office.

5) Go in hole with retrievable bridge plug, packer and 2 7/8" tubing. Set RBP @ ±2500' and packer @ ±25'. Pressure test casing to 500 psi from surface to 2500' to check casing for leaks. If leak is found, open casing-casing annulus to determine if circulation can be established to surface. Report results to office for squeeze procedure.

6) Sound log (attached) shows major noise at bottom of surface pipe @ 760' with beginning noise @ 1260'. Set packer @ 1000'. Spot 10-15' sand on top of RBP (2500') and fill hole with fresh water.

7) Go in hole with thru tubing gun and perforate casing @ 1200' with 4 shots. Pull out of hole with gun.

8) Pump fresh water down tubing and circulate up casing-casing annulus for 1 hour.

9) Reverse circulate fresh water down braden head annulus and up tubing for 1 hour.

10) Go down tubing with gamma ray tool to trace cement depth outside 7" casing.

11) Rig up cementing services. Open tubing head valve and flow to pit to relieve pressure. Pump down casing-casing annulus @ 3 BPM with ±300 sacks (73 bbls.) class H cement with 2% calcium chloride ($CaCl_2$) mixed with 12% thix-o-tropic (D-53). Tag first ±50 sacks (12 bbls.) with radioactive 20-40 mesh sand (0.7 millicuries / 1000 gal.) cement depth with gamma ray tool in tubing. When cement lowers to depth of ±1150', close off tubing head valve and pressure up behind cement to 100 psi for 10 minutes. Pull out of hole with RA tool. Wait on cement for 24 hours.

12) Pump down tubing @ 3 BPM with ±60 barrels of concentrated zone trol followed with ±50 sacks (12 bbls.) class H cement with 2% $CaCl_2$ mixed with 12% thix-o-tropic. Pressure up to 100 psi, hole for 10 minutes. Flush tubing and casing to 50' above perforations with fresh water. Rig down cementing services.

13) Pull out of hole with tubing and packer. Wait on cement for 24 hours.

14) Go in hole with bit, drill collars and tubing and drill out cement.

15) Pressure test squeeze to 500 psi. Re-squeeze if necessary.

16) Go in hole and retrieve bridge plug @ ±2500'.

17) Go in hole with 2 7/8" tubing. (Stay above top of 6th zone @ 3650').

18) Go in hole with pump and rods. Return to production.

Set @ _____ Ft.

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

SIGNED Wm A. Rutherford TITLE Admin. Supv. DATE 4-4-79

(This space for Federal or State office use)

APPROVED
MAY 16 1979
ACTING DISTRICT ENGINEER

APPROVED BY _____ TITLE _____

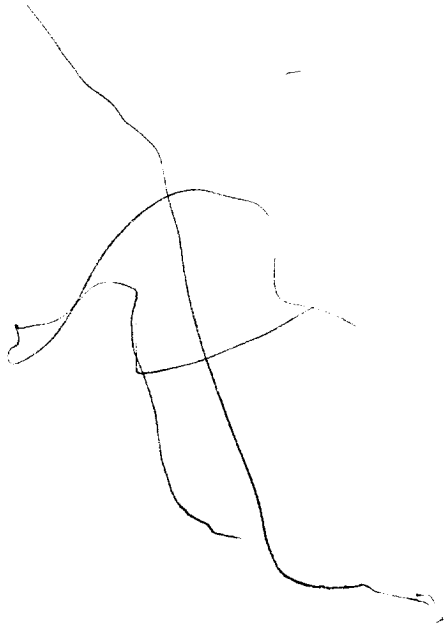
CONDITIONS OF APPROVAL, IF ANY:

USGS 5

MCA 4

FILE

*See Instructions on Reverse Side



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MAR 23 1979

OIL CONSERVATION DIVISION
HOBBS, N. M.