

FORM CR-MID  
8-73(REV 4-74)

UNION OIL COMPANY OF CALIFORNIA  
CENTRAL REGION  
DISTRICT  
CONDITION OF HOLE & PROCEDURE

Dist. Prod. Supt. EC  
Dist. Engineer 443  
Dist. Drlg. Supt. 444  
Dist. Opers. Mgr. 445

DATE: 2-13-78

FIELD Crossroads, West (Atoka) AREA Lovington  
LEASE/UNIT State Lea "M" WELL NO. 1  
REASON FOR WORK: To Plug and Abandon

CONDITION OF HOLE:

TOTAL DEPTH: 12,040' ETD or  
RETD: 12,033' DATUM IS 1 ' ABOVE GL

CASING RECORD: 11-3/4", 42#, CSG set @ 333' cmt'd w/450 sxs (circ)  
8-5/8", 24 & 32# CSG set @ 4,100' cmt'd w/1,680 sxs (circ)  
5-1/2", 20 & 17#, 8 RD & Buttress CSG set @ 12,040' cmt'd w/250 sxs

PERFORATIONS:

Atoka: 11,132 - 11,185' (16 holes) OPEN

Devonian: 12.008 - 028' BELOW CIBP

TUBING DETAIL:

362 JTS (11,217') 2-7/8", EUE, 8RD TBG set @ 11,200' w/3 JTS 2-7/8"  
TBG @ 11,107', PKR @ 11,099', H Hold Down @ 11,097' and SN @ 11,096'.

ROD & PUMP DETAIL:

NONE

PROCEDURE:

1. MI RU CSG PU, PO W/tbg & PKR - run bailer & dump 35' cmt'd on BP @ 11,299'.
2. Set CIBP on wireline @ 11,000' -
3. Dump a minimum of 35' cmt plug w/dump bailer, plug No. 1.
4. RIH w/work string and circ hole w/9.5 ppg brine w/2,500# salt gel/100 bbls brine
5. POOH w/ work string.
6. Freepoint 5-1/2" csg and cut off (Approximately 7,000')
7. Lay down 5-1/2" csg.
8. RIH w/work string to 100' below 5-1/2" stub and spot 40 sxs class "C" cmt, Plug No. 2 in and out of 5-1/2" stub.
9. Pull tbg to 5,506' (Top of Giorieta) and spot 50 sxs of class "C" cmt, Plug No. from 5,506' to 5,306'. Note: Top of ABO @ 7,675' must be covered w/cmt if csg is removed below this marker.
10. Pull tbg to 4,200' and spot 55 sxs class "C" cmt, Plug No. 4, across 8-5/8" shoe from 4,200 - 4,000'.

PROCEDURE - Continued  
STATE LEA "M" WELL NO. 1  
Crossroads, West (Atoka)  
Lea County, New Mexico

11. Pull tbg to 2,260' (Top of Salt) and spot 50 sxs of class "C" cmt, Plug No. 5, from 2,260 - 2,060.
12. Pull tbg to 30' and spot 10 sxs class "C" cmt, Plug No. 6, to surface.
13. Cut off Csg below ground level and weld 1/2" steel plate on 11-3/4" surface csg
14. Rig down csg Pullers.
15. Install Dry Hole Marker, Minimum of 4' above ground level. Clean and Level location.
16. Obtain Final Inspection.

STATE LEA M  
CROSSROADS, WEST (ATOKA) FIELD

LOCATION: 600 FLEW 330 FNL  
S -1.6, T-10-S, R-36-E,  
LEA COUNTY, NEW MEXICO

BEFORE

AFTER

