

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

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

Dist. Prod. Supt. _____
Dist. Engineer _____
Dist. Drilg. Supt. _____
Dist. Opers. Mgr. _____

DATE: 7-5-79

FIELD Rock Lake (Morrow) AREA Odessa
LEASE/UNIT NORTHERN NATURAL STATE WELL NO. 1
REASON FOR WORK: To plug & abandon

CONDITION OF HOLE:

TOTAL DEPTH: 15,390' ETD or
PBTD: 14,480' DATUM IS 24' ABOVE GL

CASING RECORD: 20" csg @ 504' w/1000 sxs - Cmt to surface - DV tool @ 2977'
13-3/8" csg @ 4520' - Cmt'd w/3500 sxs - DV tool @ 7514'
9-5/8" csg @ 11,331' - Cmt'd w/2000 sxs - TOC @ 4520'

PERFORATIONS: Morrow: 13,557-13,565' - Plugged off w/Otis type "WB" pkr w/type TN
plug in "T" nipple @ 12,584'
Wolfcamp: 11,480-11,522'

TUBING DETAIL: 355 jts (11,367') 2-7/8" AB-DSSHT tbg

ROD & PUMP DETAIL: None

PROCEDURE:

1. MI csg pulling unit. Load tbg w/fresh wtr.
2. Release retrievematic pkr & POOH w/tbg & pkr.
3. Run cmt ret on tbg & set @ 11,400'±.
4. Squeeze Wolfcamp perforation w/100 sxs cmt. 40 sxs below ret. PU & spot 60 sxs on top of ret & across 9-5/8" csg shoe.
5. Pull out 250' & displace hole w/9.5# mud laden fluid.
6. PO to 11,000' & spot Plug No. 2 - 50 sxs 11,000-10,800'.
7. Spot Plug No. 3 - 50 sxs over DV tool @ 7614'. POOH w/tbg.
8. Cut & pull 9-5/8" csg @ TOC approx 4500'.

RECEIVED
OCT 21 1964
O.C.D. HOBBS, OFFICE