

Engineering DS  
Dist. Engineer DS  
Drilling Eng DS  
Dist Drlg Supt DS

**UNION OIL COMPANY OF CALIFORNIA**  
**SOUTHWESTERN REGION**  
**CONDITION OF HOLE & PROCEDURE**

**DATE:** 6-17-91

**FIELD:** Red Hills

**AREA:** New Mexico

**LSE/UNIT:** Red Hills Unit

**WELL NO.** 3

**REASON FOR WORK:** To run tie back liner for safety reasons.

**CONDITION OF HOLE:**

**TOTAL DEPTH:** 17,597' **ETD or PBSD:** 16,240' **Drillers' DATUM IS** 33' **ABOVE:** G.L.

**CASING RECORD:** 20" 94# K-55 & 825' (circ)  
13-3/8" 61 & 68# L-80 & K-55 @ 4877' (circ)  
9-5/8" 47 & 53.5# LSS-95 & C-95 @ 13,000'  
TOC @ 7700' by TS  
7-3/4" liner 46.1# P-110 @ 12,685-16,986'  
4-1/2" liner 11.6# LS-95 @ 16,387-17,597'

**PERFORATIONS:** Cmt. ret. @ 16,240' 14,528-545' (open) (12 JSPI)  
17,453-55' (sqz'd) 17,481-83' (sqz'd)  
17,458-60' (sqz'd) 17,492-505' (sqz'd)  
17,463-68' (sqz'd) 17,510-12' (sqz'd)

**TUBING DETAIL:** 3 subs 2-7/8" 8.7# L-80 AB IJ-3S  
471 jts 2-7/8" 8.7# L-80 AB-IJ-3S w/ J Latch Seal  
Assembly Otis 7-3/4" x 3-1/4" BWB pkr @ 14,451'  
(WLD) w/ Otis "R" profile nipples @ 14,468' & 14,480'.  
Otis PRR plug in "R" nipple @ 14,468'.

**ROD & PUMP DETAIL:** N/A

**REGULATORY AGENCY REQUIREMENTS:** N/A

**PROCEDURE:**

1. MIRU DDP. ND TREE. NU & TEST BOP.
2. RELEASE SEAL ASSEMBLY F/ PKR AND CIRCULATE WELL W/ 15.2 PPG INVERT MUD. POH W/ 2-7/8" PRODUCTION TBG.
3. RIH W/ OTIS MODEL "J-SLOT" SEALING PLUG ON 2-7/8" TBG AND SET IN PKR @ 14,451'. CIRCULATE WELL CLEAN W/ 10 PPG BRINE WATER. SPOT 5 SX SAND (21' FILLUP) TO END OF TUBING. POH.