

UNION OIL COMPANY OF CALIFORNIA

HEADQUARTERS OFFICE 900

A. J. CRAWFORD "B" 1-19

1959 APR 6 PM 12.24

Detail of Work Performed During March, 1959

Swab tested perfs. 5250-64' natural with no oil or gas recovery. Acidized perfs. 5250-64' with 500 gallons mud acid. Swab tested with no oil or gas shows.

Set bridge plug @ 4000' with 2 sz. calseal cap to 3995'. Perf. 3920-38' with 6 bullets per foot. Swab tested perfs. natural with no oil or gas recovery.

Squeezed perfs. 3920-38' w/200 sz. 4% gel cmt. W.O.C. 24 hrs. Drilled out cmt. to 3963' and re-perf. 3920-38' with 6 bullets per foot. Swab tested perfs. 3920-38' natural with slight gas show. Acidized perfs. 3920-38' with 500 gallons mud acid. Swab tested and recovered fluid at rate of 1-1/2 bbls. per hour, cut 99% salt water. Treated with 1000 gallons diesel oil, including 250 gallons treated with free flo. Swab tested and recovered fluid at rate of 1-1/2 bbls. per hour, cut 99% salt water.

Set bridge plug at 2276' with 7 sz. calseal cap to 2264'. Perf. 2149-51', 2153-55' and 2163-76' with 6 bullets per foot. Swab tested perfs. natural with no shows. Squeezed perfs. with 150 sz. 4% gel cmt. W.O.C. 36 hrs. Drilled out cmt. to 2228' and perf. 2163-76' with 6 bullets per foot. Swab tested natural with no fluid entry. Acidized with 500 gallons mud acid. Swab tested and recovered fluid at rate of 1 bbl per hour, cut 85% salt water. Treated perfs. with 2000 gallons of treated diesel oil. Swab tested with no recovery of new oil. Sand-fraced perfs. with 3000 gallons of frac oil. Swab tested and recovered fluid at rate of 1-1/2 bbls. per hour, cut 25% salt water. Shut down to install pumping equipment.