

UNION OIL COMPANY OF CALIFORNIA
DAILY DRILLING REPORT

DAYS 55 WELL NAME Walterscheid No. 1 DATE 5-6-74

DRLG. ASSEMBLY: After 10 hrs FL @ 6300 (900' rise). Made 3 swab runs and recovered 2 BW. w/ 5-6' flare ahead of swab. Ran NOWSCO 3/4" OD coiled tbg to 11830'. Blew well dry. Recovered load water, Acetic Acid Water. Used 55000 SCF N₂. Shut down with NOWSCO tbg in hole. Had 3' flare 1 hr after shut-down. Left well open on 16/64" choke overnight. Have 3' flare this AM., TP 0 psi. HR 65 at 65 BW. (Prep to blow dry w/ N₂).

Blew hole dry w/ 40000 SCF N₂. Recovered 2 bbls spent 10% Acetic acid. Had 2 1/2-3' flare after 1 hr. Waited 5 hrs and blew dry again. No water. POH w/ NOWSCO tbg. SDOH. Waiting on CO₂ truck broke down in Canyon, Texas. (Prep to acidize w/ 6000 aals)

ST @ 6³⁰/AM. 2 hrs SITP 300 psi. Acidized Middle & Lower Morrow perms 11433'-11808' w/ 6000 gal Western 7 1/2% "MS" acid w/ 1500 SCF CO₂ per bbl in 4-1500 gal stages using 2 1/2-3" RSW balls in 3-8 ball stages as follows: Pumped acid to spot @ 3 BPM @ 300-6500 psi. With acid on lower perms, broke from 6500-6200 psi. Increased rate to 4.5 BPM @ 6600 psi. Press increased to 7100 psi w/ 90 bbls pumped (66 bbls to bottom perms) Broke to 6500 psi. Increased to 6.5 BPM @ 7300 psi. Had gradual form break to 7000 psi. Increased to 7.5 BPM @ 7000 psi. With 2nd ball on perms, press increased to 7500 psi and rate decreased to 6.0 BPM. With 3rd ball on perms, press increased to 7550 psi and broke to 6400 psi @ 6 BPM. Flushed w/ 66 bbls 2% KCl FW w/ 1500 SCF CO₂ @ 6 BPM @ 6400 psi. (1500) 3400 psi (5) 3100 psi (10) 3000 psi (15) 2900 psi. (25) 2600 psi. road due 200 BW. Open to pit @ 10³⁰/AM on 1/2" 3/4" choke, FTP 2600-1200 psi in 30 mins, 1 hr FTP 250 psi w/ acid water to surface. At 12³⁰/PM, well dead. At 2⁰⁰/PM ran swab to 2000' w/ fluid pockets. Pulled out with good load but would not flow. Rigged up NOWSCO and ran 3/4" OD coiled tbg to 7000' and

blew hole dry w/ no gas. Ran in to 11830' and blew dry. Recovered spent acid water. Had gas flare 45 mins after shutting down NOWSCO. Estimate make 8' flare from 2 1/2" line, est 100 mcf/gpd. Pulled NOWSCO tbg up to 10800'. Left open to pit overnight on 16/64" choke. 0 psi FTP, est < 50 mcf/gpd. (Prep to jet dry w/ NOWSCO)