

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY SOUTHERN CALIFORNIA PETROLEUM CORP., BOX 1071, MIDLAND, TEXAS
(Address)

LEASE LIBERTY WELL NO. 2 UNIT E 3 3 T 25 S R 37 E
DATE WORK PERFORMED 6/15-7/27/55 POOL LANGLIE MATTIX

This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off
☐ Beginning Drilling Operations ☒ Remedial Work
☐ Plugging ☐ Other _____

Detailed account of work done, nature and quantity of materials used and results obtained.

6/15-22 C/O bentonitic mud 3425-3467' TD.
6/23-7/1 Ran tbg. & set pkr. at 3095' to test csg. Pressured up to 1400 psi and broke down to 1000 psi at 6 BPM. Set bridge plug at 3095' and found leak in stage collar at 1213'; Pressure-tested 7" csg. 1217-3095' w/ 2100 psi for 15 min. - no loss in pressure. Set retrievable cmtr at 1092' - leak taking water at 4 BPM at 400 psi - and pumped in 100 sac reg. cmt. w/ 4% calcium chloride and 50 sac reg. cmt. - all mixed w/ salt water; staged five times in 1 hr. at 400 psi; shut in w/ 400 psi and left 50' cmt. in csg. Released pressure after 18 hrs. and pulled tbg. and retrievable cmtr. WOC 50 hrs. and ran 6 1/2" bit on tbg. w/ 6 drill collars to 460' and pressure-tested to 1500 psi for 30 min. - no pressure loss. D/O firm - hard cmt. 1170-1210' and tested to 600 psi for 30 min. - no pressure loss. Ran bit to bridge plug at 3095' and displaced water w/ oil; D/O bridge plug and C/O to 3467' TD w/ partial circulation; ran 7" csg. scraper to 1322'.
(over)

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY
Original Well Data: Depths from DF, 7' above ground.
DF Elev. 3170 TD 3467 PBD --- Prod. Int. 3350-3467 Compl Date 5-17-35
Tbng. Dia 2" Tbng Depth 3427' Oil String Dia 7"-2 1/2" Oil String Depth 3171'
~~Perforation Interval (s) shot w/ 150 gts. May 1943 3377-3461'~~
Open Hole Interval 3171-3467' Producing Formation (s) Green

RESULTS OF WORKOVER:	BEFORE	AFTER
Date of Test	<u>6-15-55</u>	<u>7-25-55</u>
Oil Production, bols. per day	<u>Dead</u>	<u>47.5</u>
Gas Production, Mcf per day	<u>---</u>	<u>50</u>
Water Production, bbls. per day	<u>---</u>	<u>1.5</u>
Gas-Oil Ratio, cu. ft. per bbl.	<u>---</u>	<u>1043</u>
Gas Well Potential, Mcf per day	<u>---</u>	<u>---</u>
Witnessed by <u>E. W. Irwin</u>	<u>Southern California Petroleum Corp.</u>	<u>(Company)</u>

OIL CONSERVATION COMMISSION
Name [Signature] Title --- Date ---
I hereby certify that the information given above is true and complete to the best of my knowledge.
Name [Signature] Position Division Engineer
So. Calif. Petroleum Corp.
7-23-55

7/2-1 Run 4" x 2" packer on 4 1/2" OD csg. and set pkr. at 1400' - fluid level 1400'. Treated down 4 1/2" csg. w/ 2 Allison pumps w/ 20,000 gal. refined oil and 40,000 lbs. 10/20 sand at 26.0 RPM avg. Injection rate. Max. press. 1800 psi, min. press. 1550 psi, initial slip 1000 psi, 2 hr. slip 550 psi, 7 hr. slip 210 psi and on vacuum in less than 16 hrs. Pulled 4" csg. and packer; ran sand pump - fluid level 1800' -- and found 20' sand and it took 4 1/2" on bit. C/O I. took in 2 days; better not loading Good w/c ht fluid level; fluid level down to 2000' second day.

Run 2" csg. to 3431' w/ bull plugged gas anchor and 3' perf. nip, ran pump and rods and put on pump.

7/6-27 Pumped back load oil and produced new oil as shown (14-42" SPN and 2" x 1-1/16" x 12' pump).