

SEP 10 1975

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

1975

- Aug. 7 Rigged up D.A. & S. pulling unit. Picked up bit, drill collar and tubing and went into hole. Drilled out shoe joint from 6188' to 6219'.
- Aug. 8 Pulled tubing, drill collar and bit out of hole. Ran Gamma Ray/Neutron log from 6219' to 5100'. Perforated from 6208' to 6212' with two casing jets per foot. Ran tubing with Baker Model "R" packer and set packer at 6170'. Swabbed well dry with a slight show of gas on the last run.
- Aug. 9 Made a run with the swab and found 500' of fluid in hole. Recovered no fluid to surface. Pumped in 500 gal. of Dowell B.D.A. acid and hit pressure. Went to 3000 psi on tubing and obtained communication to casing. Reset packer and still got communication. Reversed out acid and started testing tubing.
- Aug. 10 Hydro-Test tubing into well at 4500 psi. Set packer at 6155'. Perforations 6208'-6212'. Spotted 500 gal. of Dowell B.D.A. acid down tubing. Closed packer bypass and started pumping acid at 4000 psi. Did not get break in pressure. Continued pumping acid at 4000 psi for two hours and five minutes. ISIP 4000 psi, 5 min. SIP 600 psi, Zero SIP in 8 min. Swabbed well dry with no show of oil or gas.
- Aug. 11 Ran swab and found 800' of acid water in hole. Perforated 6212'-6218' with 12 GO Dyna jets. Acidized with 500 of Dowell B.D.A. acid down tubing. Broke formation at 2650 psi, treated at 2000 psi at 1 BPM. Final pumping pressure 1800 psi, ISIP 1200 psi, on a vacuum in 1 min. Swabbed back acid and load water. Swabbed 36 barrels of sulphur water with a show of oil in 6 hours. Shut in.
- Aug. 12 Opened well and had 40 psi tubing pressure. Found fluid level at 2800' from surface. Fluid entry overnite, 13 bbls. Recovered approximately 2 bbl. of oil on top of first run with swab. Swabbed for 4 hours at rate of 8 bbls. per hr. with approximately 8-10% oil cut. After 4 hours of swabbing, shut well in for 1 hour and had 5 barrel fill up. Swabbed for three hours at 3 barrels per hr. Shut in for 30 min. and had 1 barrel of fill up. Last hour swabbed 2 bbls. of sulphur water with 10% oil cut. Fluid level in tubing 200' above seating nipple. Shut in.
- Aug. 13 Opened well and had 60 psi on tubing. Found fluid level 3000' from surface. Fluid entry 13 bbls. overnite. Had approximately 2 bbl. of oil on top of water. Swabbed well dry in 4 runs with swab. Shut in for 4 hrs. and had 8 bbls. of fluid entry of which 1 bbl. was oil. Acidized with 2000 gal. of Dowell DAD acid at 3 BPM. Max. Press. 2600 psi, avg. press. 2500 psi. Final pumping press. 2100 psi. Shut in on a vacuum. Used 50# of Dowell J-227 diverting agent after 500 gal. of acid. Shut in.