

INFORMATION RECORD--Continued

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked," or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Spudded 12-1/4" hole August 25, 1961, and drilled to 215'. Set 8-5/8" casing at 213', with 175 sacks of cement containing 2 percent Calcium Chloride. Circulated 20' and tested 8-5/8" casing with 500 psi water head with no indication of pressure drop. Reduced hole to 7-7/8" at 215'.

Core No. 1 5736-5751 - Recovered 33' shale.
Core No. 2 5751-5806 - Recovered 56' as follows: 1' sandy shale, 6' sand with low porosity and permeability and bleed at 5753, 1' very shaly sand, 24' sand with occasional sand streaks, 11' black shale, 7' sandy shale, and 7' light sand with vertical fractures.
Core No. 3 5806-5826 - Recovered 22' as follows: 2' sand, 1' shaly sand, 1' sand, 11-1/2' shaly shale and light gray chert, 2-1/2' shale with occasional sand streaks, and 7' black shale.

Set 7-1/2" casing at 5895' with 125 sacks 6 percent gel cement on bottom. DA tool set at 2014'. Matted on cement 4 hours. Tested casing with 3000 psi for 15 minutes, which held with no indication of pressure drop. Cemented second stage with 15) sacks 6 percent gel cement.

Total depth 5900'. Plug back depth 5896'. Moved in completion unit and displaced water with oil and spotted 300 gallons of oil on bottom. Performed lower casing with 4 shots per foot 5808-5822. Pumped in 1000 gallons oil and 10 gallons FR-I for treatment spreader and sand oil treated with 23,000 gallons all containing 50 pounds admixite with III and 5 gallons FR-B per 1000 gallons and 15,000 pounds of sand. Breakdown pressure 1350 psi. Average treating pressure 2600 psi. Average injection rate 33 barrels per minute.

Perforated upper casing with 6 shot - per foot 5751-5756. Pumped 4,000 gallons oil and 10 gallons FR-1 for treatment. Spent mud and sand oil tracked with 20,200 gallons of oil containing 50 pounds Adonite Mark II and 5 gallons FR-1 per 1000 gallons and 25,000 pounds sand. Breakdown pressure 1000 psi, minimum treating pressure 3000 psi and maximum treating 3700 psi. Average injection rate 24 barrels per minute. Landed 2-3/8" tubing at 58191.

Completed as pumping oil well - The Gallup field October 26, 1961. Potential test October 26, 1961, pumped 100 barrels of oil in 24 hours with 16/52" strokes per minute and 1-1/4" pump. Gravity 40.6° API.