

FORMATION 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 testing.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

Ran Schlumberger Induction Electrical & Sonic logs from surface to 5688' TD. Perforated from 5562 to 5600'. Fractured Lower Gallup w/59,000# sand. Set bridge plug. Perforated upper Gallup - would not break down - pressured up to 4000#. Went into hole - found sand on top of perforations. Circulating to clean out - will then fracture. Fraced by Halliburton w/3 HT 400s, 3000 HP. Used 38,876 gallons water & 59,000# 20-40 sand. BD 3000 psi backed to 1500 psi. Maximum treating pressure 3000 psi, minimum 2700 psi, average 2900 psi. Flushed w/4200 gallons. Overall injection rate 40.1 barrels per minute. Dropped 25 rubber balls in one stage. Immediate standing pressure 1150 psi. Set Guberson Magnesium drilling plug at 5530'. Perforated by Welox w/2 dyna jets per foot from 5444 to 5474' and 5386 to 5408'. Spotted 250 gallons of 7-1/2% MCA. Fraced by Halliburton w/3 HT 400s, 3000 HP. Used 39,522 gallons water, 40,000# 20-40 sand, 20,000# 10-20 sand. BD 1300 psi back to 900 psi. Maximum treating pressure 3300 psi, minimum treating pressure 2400 psi, average treating pressure 2600 psi. Flushed w/4200 gallons. Over-all avg. injection rate 43.3 barrels per minute. Dropped 50 rubber balls in two stages. Immediate standing pressure 1200 psi.