



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FOG OF OIL OR GAS WELL

A blank sheet of graph paper with a grid pattern. The grid consists of small squares formed by thin lines. There are larger margins at the top and bottom of the page, and a vertical margin on the left side. The paper appears slightly aged or off-white.

CELL WITH 1 NEW + 1 OLD

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.

4. A. Little Well No. 1 was spudded on March 3, 1959 and 8-5/8" casing was set at 212' with 160 sacks of cement with 25 cement shovels. After waiting on cement, casing and water shut-off were tested at 600 pounds pressure for thirty minutes, which held with no drop in pressure. Reduced hole to 7-7/8" at 212' and resumed drilling operations.

5-1/2" casing was set at 1882', with 80 sacks of cement with 1-1/2 pounds Tur Ping per sack followed by 50 sacks neat cement. Released rotary rig on March 13, 1959. Moved in completion unit and tested casing and water shut-off with 3000 pounds pressure for fifteen minutes, which held with no drop in pressure.

Portersted Lower Casing with two shots per foot 1777-1804. Sand-oil fracked with 27,500 gallons oil and 60,000 pounds sand. Tapered treatment 10,000 gallons at one pound per gallon, next 30,000 gallons at two pounds per gallon, last 7500 gallons at four pounds per gallon. Formation broke at 1500 pounds, maximum treatment pressure 2150 pounds, minimum treatment pressure 1550 pounds, average injection rate 3.5 barrels per minute. Cemented upper casing with two shots per foot 1668-1720. Set bridge plug at 1740'. Sand-oil fracked upper casing with 30,400 gallons oil and 30,000 pounds sand. Formation broke at 1700 pounds, maximum treatment pressure 1900 pounds, minimum treatment pressure 1550 pounds, average injection rate 62 barrels per minute. Piled bridge plug. Cemented out to ring back depth 2" casing, landed at 1811'.

Completed as pumping oil well. Horseshoe-Casing field March 26, 1959. Potential test March 26, 1959 pumped 180 barrels within 14 hours. Gravity 40.75 API. Gas oil ratio not yet available.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	CARRY	FORMATION
				FORMATION
				FORMATION ON RECORD
				EMPLOYEES
				DATES
				TOOLS USED
				SHOOTING RECORD
				PLACES AND ADAPTATIONS
				REMARKS AND COMMENTS