



1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

REF ID: A66484

Run correlation log. Perforated lower Gallup with 7 sheets per foot 5003-5103.
Sand oil fracked with 18,530 gallons of oil containing 25 pounds adipate mark II
and 5 gallons RH-1 per 1000 gallons and 20,000 pounds sand. Average treating
pressure 2600 psi. Average injection rate 28 barrels per minute. Instantaneous
shut in pressure 1300 psi. The fracture length was 450 ft. RH-1 oil fracked
with 31,000 gallons oil containing 50 pounds adipate mark II with 5 gallons RH-1
per 1000 gallons with 20,000 pounds of sand. No breakdown pressure. Pumped in at
2350 psi. Maximum treating pressure 3400 psi, minimum treating pressure 2750 psi,
average treating pressure 2900 psi. Average injection rate 24 barrels per minute.
Potential test July 24, 1961 pump 66 barrels oil in 24 hours and tubing pressure
160 and casing pressure 480. 16/48" fracture oil water and salt water.

chloride. Circulated 20 sacks of cement. After waiting on cement 12 hours, tested 8-5/8" casing with 750 psi, which held with no indication of pressure drop. Reduced hole to 7-1/8" at 2091' and resumed drilling operations.

Core No. 1 5630-5645'. Recovered 15' as follows: 8' shale with Bentonite streak at 5632', with vertical fractures throughout; 2' shaly sand; 2' sand with fair porosity and permeability; 3' shaly sand. Oil and gas bleeds with vertical fractures at 5638-5645'.

Core No. 2 5645-5691'. Recovered 46' as follows: 3' shaly sand; 29' shales; 4' shaly sand; 1' sand with good oil and gas bleeds; 6' shaly sand. Vertical fractures at 5675-5690'.

Total depth 5802'. Plug back at 5754'. Set log casing at 5794' with 125 sacks cement containing 6 percent gel and 1 1/2 pounds medium turp per sack, followed with 30 sacks (minus cement). Failed to pump plug. Relanded rotary rig June 23, 1961.

Moved in pulling unit. Ran tubing and tagged bottom at 5767'. Tested casing to 3000 psi which held for 5 minutes then dropped to 750 psi after 15 minutes. Pumped in at 4 barrels per minute, at 1000 psi. Pulled tubing and ran full bore packer and tested below packer and pumped into formation at 6 barrels per minute at 2800 psi. Tested above packer to 3000 psi, which held with no indication of pressure drop. Re-cemented below packer with 25 sacks cement. Maximum pressure 3300 psi after displacing 10 sacks below packer revealed out excess cement and pulled tubing and packer. Ran tubing with 3-1/8" bit. Filled on cement 12 hours. Tested casing with 3000 psi, which held with no indication of pressure. Plug cement at 5754'.

HISTORY OF OIL OR GAS WELL

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