

HUMBLE OIL & REFINING COMPANY

State of New Mexico
Oil Conservation Commission
Hobbs, New Mexico
September 22, 1964

On the basis of drill stem tests and sample analyses, it was decided to complete as a single zone Ellenburger producer. The 4-1/2-inch production string was cemented with 740 cubic feet of cement. Top of cement was indicated at 5800 feet by temperature survey. Mud behind the casing above the cement was nine pound, 52 viscosity with a water loss of 10.5 cc's. Through an oversight an ammended Form C-101 was not filed requesting a change in cementing procedure.

Follow

It is our opinion that the mud left behind the casing will provide sufficient hydrostatic overload to prevent movement of fluids between the zones not covered by cement. It is also a proven fact that any Ellenburger reservoir is easily damaged whenever remedial work is performed in the well bore of an Ellenburger completion. For these reasons it is requested that the subject completion be approved. Please find attached for your information a schematic (drawn from calculations made from data on file in your office) of two wells in the immediate vicinity of the subject well. If these data were correct, the schematic indicates these two wells set precedent in regard to the subject matter. Attached also please find the suite of logs on this well that you requested.

Please advise if additional information is needed concerning this matter.

R. R. Alworth
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ALC:BKB:RLB/mcb