

GARRETT #1-X

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Artesia, New Mexico

NE/NE 26-5N-34E  
Curry County, N.M.

RECORD OF DRILL STEM AND SPECIAL TESTS

Electric Log and Caliper Log Survey run to total depth of 3236' on October 26, 1946. Our intentions were to run a drill stem test of the section 2825-2900, but were unable to set Packer. Drilling was resumed and total depth of 3693' was reached on November 1, 1946. Samples justified running of drill stem test on this date with the following results:

Packer at 3407'  
Test 3407' to T.D. 3693'  
Tool Joint open 2 hours.  
Hydrostatic Pressure - 1900#  
Flowing Pressure - 150-200#  
Recovered 1,000 feet Slightly Gas Cut Drilling Mud  
and 800 feet Salt Water.

Drilling was resumed to total depth of 3745' where 7" was set and cemented with 600 sacks by Halliburton Oil Well Cementing Co. on November 22, 1946. S.L.M. showed cement being 175' in casing, or plugged back to 3570'. Test showed water shut-off o.k.

Gun Perforated from 2868' - 2895' and found that cement had not come up over formation. On December 17, 1946 we Squeezed with 300 sacks cement from 2868 to 2710 by Halliburton Temperature Survey. We treated this section, 2868-2895, with 350 gallons Acid with no recovery other than acid, acid water, and drilling mud. We re-perforated this section after Squeeze Job with 30 shots from 2878-2888 and treated with 2000 gallons of acid on December 22, 1946. Recovered acid water and a slight show of gas.

We drove down bridge and set 3 foot lead-wool plug at 2860'; tested water shut-off o.k. Gun Perforated 2830-2850 with 50 shots and treated with 1000 gallons acid with no recovery other than acid water.

Bridged to lead-wool plug set at 2810'; water shut-off tested o.k. Gun Perforated 2778-2792 with 28 shots and acidized with 500 gallons acid. Recovered only acid water and a small amount of formation oil.

Cementing and Perforating work done by Halliburton Oil Well Cementing Co.  
Acid Treating done by The Chemical Process Co.

S/ H. W. Snowden

By Wm B. Blackburn  
District Manager