

Lone Star Producing Company - H. Golden, et al No. 1 Well
Perforation Record, Acid Record, Cement Squeeze Record and D.S.T. Results:

Lost returns at 6,064'. Drilled dry to 6,068'. Mixed 100 sacks cement to plug off lost circulation zone.

Lost returns at 6,105'. Drilled dry to 6,119'. Mixed 550 sacks cement to plug off lost circulation.

Lost returns at 7,592'. Mixed 650 sacks cement. Unable to plug off lost circulation zone. Drilled to 7,662' without returns. Set 5½" casing at 7,654.22' to plug off lost circulation zone. Cemented 5½" casing with 700 sacks. Top of cement behind 5½" casing by Temperature Survey 3,000'.

Drilled 4-3/4" hole to T.D. 8,022'.

Made D.S.T. #1 from 7846'-8022' (176'). Tool open 70 minutes. Strong blow for 15 minutes, weak blow for 20 minutes, very weak blow for 25 minutes and died. Recovered 900' drilling mud and 5,956' sulphur water. I.F.P. 762#, F.F.P. 762#, 1 hour I.S.I.P. 3059#, 1½ hour F.S.I.P. 3059#, hydrostatic pressure in and out 3541#.

Made D.S.T. #2, straddle packer test, from 7654'-98'. Tool open 55 minutes. Strong blow at surface when first opened. Steady blow throughout test. Recovered 75' drilling mud, 700' sulphur water, no show oil or gas. I.F.P. 292#, F.F.P. 1002#, 1 hour I.S.I.P. 3039#, 1½ hour F.S.I.P. 2911#.

Squeezed open hole 7,654' to T.D. 8,022' with 100 sacks cement.

Perforated 4 holes at 7,100' for block squeeze. Did 8 squeeze jobs using a total of 700 sacks cement.

Perforated 4 holes at 7,600'. Made D.S.T. #3 through perforations at 7,600' with packer set in 5½" O.D. casing at 7,570' with 45' tail pipe below test tool. Tool open 40 minutes. Fair blow when first opened, decreased to weak blow after 10 minutes. Few bubbles when re-opened and died. Recovered 210' drilling mud. I.F.P. 142#, F.F.P. 142#, 1 hour I.S.I.P. 654#, 1 hour F.S.I.P. 400#, hydrostatic pressure in and out of hole 3368#.

Set packer at 7,578' with 15' tail pipe and acidized with 500 gallons mud acid through perforations at 7,600'. Swabbed sulphur water with no shows. Pumped 95 sacks cement in perforations at 7,600', dropped bridge plug, mixed additional 5 sack cement.

Perforated 2 holes per foot at 7,261', 7,263', 7,271' and 7,274'. Acidized with 1,000 gallons CVP. Swabbed salty sulphur water. Pumped 95 sacks cement in perforations 7,261'-74', dropped plug, mixed 5 sacks on top of plug. Left 15' cement on top of plug.

Perforated 4 holes at 5,800' for squeeze. Squeezed with 100 sacks cement.

Perforated 4 holes at 5,650' for squeeze. Could not break down with 3700#.

Perforated 4 holes at 5,437' for squeeze. Could not break down with 3700#. Could not break down perforations at 5,650' and 5,437' with 4000#.

Perforated 8 holes from 5,776'-80'. Acidized with 500 gallons mud acid. Swabbed dry. Retreated with 1,500 gallons 15% regular acid. Swabbed dry. Set D.C. plug at 5,425'.

Perforated 2 holes per foot from 5,404'-10'. Treated with 1,000 gallons CVA. Swabbed black sulphur water. Was unable to lower fluid level below 1,300' with tubing swab. Squeezed perforations 5,404'-10' with 83 sacks cement.

Perforated 2 holes per foot from 4,595'-97'. Acidized with 500 gallons CVA. Swabbed load and acid water with slight show oil with filtration water. Swabbed dry. Retreated perforations 4,595'-97' with 2,000 gallons 15% regular acid. Swabbed dry. Squeezed with 150 sacks.

Perforated 2 holes per foot from 4,472'-74', 4,478'-80', 4,486'-88', 4,490'-92' and 4,494'-96'. Acidized with 1,000 gallons CVA. Swabbed water with show oil. Pumped in 90 sacks cement, dropped bridging bar, left 5' cement on top of plug.

Perforated 2 holes per foot from 4,336'-39', 4,364'-68' and 4,378'-82'. Acidized with 1,000 gallons CVA. Swabbed dry. Squeezed with 100 sacks cement. Top of plug 4,185'.

Laid 25 sack cement plug from 3,051' up to 2,900'.

Laid 25 sack cement plug from 1,294' up to 1,222'.

Laid 25 sack cement plug from 431' up to 381'.

Set 10 sack plug in top of 10-3/4" surface casing. Welded plate on top of 10-3/4" casing and welded dry hole marker on top of plate.

