

Record of Drill Stem Tests

W.W. Hamilton Well #1

- 4-20-49 DST. #17 From 12442' to 12587' With Packers set at 12547' & 12552' W/5/8" Bottom & 1" Top choke. Perforations 12553' to 12581', with 2587' Water blanket. Tool opened at 5:15 A.M. Tool closed at 9:15 A.M. Gas to surface at 9:15 A.M. Total recovery 12,217' Recovered 2587' water blanket, 1201' Mud cut 25% oil, 8429' oil. Gravity 47 corrected 2/10% B.S. Howco Hydro. in 6100# out 6000# Min. Flow pressure 1450#, Max. flow pressure 4300#, 1/4 hr. B.U.P. 4925#, Amerada Hydro. press. in 6160#, out 6060# Min. Flow pressure 1380# Max. flow pressure 4260# 1/4 Hr. B.U.P. 4930#.
- 4-22-49 DST. #18 From 12586' to 12631' With 2 packers set at 12579' & 12586' W/5/8" Bottom & 1" Top Choke. Perforations 12587' to 12627'. Tool open at 4:48 A.M. with small blow air. Tool closed at 8:48 A.M. for 1/4 hr. B.U.P. Recovered 8188' dry pipe, 60' Free oil, gas 8 stands above this oil. 2484' Water Blanket, Brownish stain but is not oil, 364' mud and fresh water 2% oil cut, 460' mud gas cut, 552' Mud and fresh water 523' mud slightly oil and gas cut on bottom, no water but mud would color coin. Howco. Hydro. in 5875# out 5750#, Initial flow pressure 1100# Final flow pressure 1725#, 1/4 hr. B.U.P. 4925#. Amerada Hydro. pressure in 6180# out 5935# Initial flow pressure 995#, Final flow pressure 1985#, 1/4 hr. B.U.P. 4895#
- 4-24-49 DST #19 From 12628' to 12656' with 2 packers set at 12621' & 12628' with 5/8" Bottom & 1" Top Choke. Perforations 12,629' to 12652' with 2606' water blanket. Tool opened at 3:02 P.M. Small blow of air till 5:10 P.M. Tool closed at 6:10 P.M. Packer pulled loose at 6:25 P.M. Recovered 950' dr. pipe, 2606' water blanket, 9100' Sulphur water. with slight salty taste. The top 180' of sulphur water was 25% mud cut. Howco. Hydro. in 6200# out 5800#, Initial flow 1100#, Final flow 4960#, 1/4 hr. B. .P. 4960# Amerada Hydro. in 6055# out 6020#, Initial flow 805# Final flow 5205#, 1/4 hr. B.U.P. 5205#. Water Analysis Specific gravity 1.022, 21,000 P.P.M. chlorides
- 4-29-49 DST. 20 From 12494' to 12591' Packer set at 12494' W/5/8" Bottom & 1" Top Choke. Perforations 12498' to 12518'. Tool opened at 8:30 A.M. packer held for 5 mins. Reopened tool at 9:00 A.M. Packer failed to hold. Pulled tool loose, reversed out & got 5 bbls. Oil before pulling packer loose. Howco Hydro. in & out 5400#, Flow pressure 1200#
- 4-29-49 DST #21 From 12450' to 12591' Packers set at 12445' & 12450' With 5/8" Bottom & 1" Top Choke. Perforations 12454' to 12474' Opened tool at 9:30 P.M. Opened tool 4 times, packer failed to hold. Good blow of air. Rigged up to swab, tool open. Pulled swab 1 time, Tool held to 2:30 A.M. & pin sheared in circulating Sub. Swabbed 5.52 bbls. down to 2500'. Let tubing bleed down & production was 26.91 bbls. to tanks total of 32.43 bbls. 75% oil. Pulled DST. #21 at 7:00 A.M. Recovered 90' fresh water below circulating Sub. Pin in circulating sub sheared and lost fluid above Sub. Howco Clock stopped, only one pressure ~~recorded~~ recorded. Hydro. in 5400# Chart showed tool open 3 times.