

Report on Drill Stem Tests

W.W. Hamilton Well #1

- 3-29-49 DST. #10. From 12446' to 12463'. Packers set at 12438' & 12446', W/5/8" Bottom & 1" Top Choke. Perforations 12446' to 12458'. Tool opened at 6:37 P.M. Small blow of air for approximately 25 mins. & packer gave way lost approximately 300' mud. closed tool & reopened at 7:20 P.M. lost approx. 100' mud in one minute. Packer failed 2nd. time, Closed tool & started out of hole @ 7:30 P.M. Recovered 2000' water blanket, 1350' drlg. mud, slightly oil & gas cut. 1440' regular drlg. mud. No oil, water or sulphur water. Howco. Hydro. in 6100# out 6000#, Initial flow pressure 900# Final flow pressure 900#. No BUP. Amerada Hydro. in 6080# out 6080# Initial Flow pressure 1000#, Final flow pressure 1000# No build up.
- 3-30-49 DST. #11 From 12455' to 12473'. Packers set at 12447' & 12455' W/5/8" Bottom & 1" Top Choke. W/2000' water blanket, Perforations 12456' to 12466'. Tool opened at 2:00 A.M. with light blow of air increased to good blow. Gas to surface in 3 1/2 hrs. Gas volume estimated at 2,000 cu. ft. per day. closed tool at 6:00 A.M. recovered 3414' Free oil, 1982' water blanket, oil & gas cut, water blanket on bottom of oil, Gravity 45.2 corrected. Howco. Hydro. in 6000# out 5900#, Min Flow pressure 1000# Max. Flow pressure 2050#, 1/4 hr. BUP. Failed. Amerada Hydro. in 6060# out 6060#, Min. Flow 1020#, Max. Flow 2190#, 1/4 hr. BUP. Failed.
- 4-1-49 DST. #12 From 12473' to 12488' Packers set at 12465' & 12473' W/5/8" bottom & 1" Top Choke. Perforations 12475# to 12485' Tool opened at 4:45 P.M. light blow air and died in 15 minutes. reopened tool @ 5:00 P.M. with strong blow air for 3 hrs., gas to surface in 3 hrs.. Estimated gas volume 2,000 cu. ft. per day. Closed tool @ 9:15 P.M. for 1/4 hr. BUP. recovered 2000' water blanket on bottom ~~oil~~ & gas cut. 7123' Oil Qty. 46.4 corrected & 35' mud cut w/oil & gas. Howco Hydro. in 6200# out 5850#. Min. Flow pressure 950#. Max. Flow Pressure 3175#, 1/4 Hr. BUP. 4200# Amerada Hydro. in 6075#, out 5945#. Min. Flow pressure 985# Max. Flow pressure 3175# 1/4 Hr. BUP. 4410#
- 4-2-49 DST. #13 From 12493' to 12508' Packers set at 12485' & 12493' W/5/8" bottom & 1" Top Choke. Perforations 12495' to 12505' Tool opened at 5:30 A.M. With good blow air immediately, Packer held for 1 hr. & broke loose. lost 300' of mud. Recovered 2500' fluid 75% oil, water & gas cut. 2152' mud. cut with oil & gas, 2000' water blanket. Howco Hydro. in 5975# out 5925# Min. Flow pressure 1000# Max. Flow pressure 1600# Amerada Hydro. in 5980# out 5905#. Min. Flow pressure 785#, Max. Flow pressure 2290# No BUP.
- 4-4-49 DST. #14 From 12488' to 12518' With 3-6 1/2" Packers set at 12472', 12480' & 12488'. W/5/8" Bottom & 1" Top Choke. Perforations 12489 to 12511' W/2500' water Blanket. Tool opened at 1:30 P.M. Good blow or air immediately gas to surface in 2 hrs. & 35 minutes. Fluid in 2 hrs. & 43 minutes. Turned to tanks at 4:15 P.M. Made 87.65 bbls. fluid in 4 1/2 hrs.. Qty. 46.9 Gas volume 87,300 cu ft. per day. GOR 214, GFR 209. Closed tool at 9:15 P.M. for 1/4 hr. B.B. recovered Est. 75 bbls. oil & 90' black drlg. mud, will turn coin slightly. Howco Hydro. in 6325# out 6000#, Min. Flow 1400#, Max. Flow 3800#, 1/4 hr. BUP. 4600#, Amerada Hydro. in 6245# out 6190#, Min. Flow 1430# Max. Flow 3765#, 1/4 Hr. BUP. Clock ran off chart,
- 4-16-49 DST. #15 From 12492' to 12528' Packer set at 12492' W/5/8" Bottom & 1" Top Choke. Perforations 12497' to 12522' Tool opened at 10:30 P.M. Good blow of air for 4 hrs. Closed tool @ 2:30 A.M. Gas to top in 4 hrs. & 25 Mins. While getting BUP. Recovered 8558' of fluid which is 2528' water blanket 1943' mud, cut 10% w/oil & heavily cut with gas. 4087' Oil. Qty. 43.8 Corrected. 8% water 4% mud. Howco. Hydro. in 6000# out 5950#, Min. Flow 1250# max. Flow 2860#, 1/4 hr. BUP. 4925#, Amerada Hydro. in 6160# out 6160#, Min. Flow 1185#, max. Flow 2010#, 1/4 hr. BUP. 5400#.
- 4-18-49 DST. #16. From 12528' to 12552' W/2 Packers set at 12518' & 12528' W/5/8" Bottom & 1" Top Choke. Perforations 12529' to 12546' Tool opened at 7:00 P.M. w/good blow of air through out test. Gas to surface in 4 hrs. & 5 mins. Tool closed at 11:00 P.M. Recovered 2313' dry pipe, W/gas odor, 2552' Water blanket, 5181' Oil, 2506' mud cut 8% oil & heavily gas cut. Qty. 46.4, Howco. Hydro. in 5875#, out 5850#, Min. flow 1050#, Max. Flow 3400#, 1/4 hr. BUP. 4700#. Amerada Hydro. in 6160# out 6160#. Min. flow 1280#, Max. Flow 3590#. 1/4 hr. BUP. 4925#