Report on Drill Stem Tests

STATE BTA Well #1

12-24-48 DST. #1 From 4363' to 4428'. Packer set at 4363'. W/5/8" Bottom & 1" Top Choke. Perforations 4364' to 4365' & 4412' to 4122'. Tool opened at 10:29 A.M. very weak blow of air for 5 minutes & died. open 1 hr. & 5 mins. Closed at 11:34 A.M. for 1/4 Hr. BUP. Recovered 20' Drlg. mud Howco. Hydro. in 1950# out 1950#, Flow pressure 0#, 1/4 hr. BUP. 0# Amerada Hydro. in 2100# out 2100#, Flow pressure 0#, 1/4 Hr. BUP. 0#

12-24-48 DST. #2 From 4427' to 4496' Packer set at 4427'. W/5/8" Bottom & 1" top choke. Perforations 4428' to 4429' & 4478' to 4490'. Tool opened at 1:55 P.M. with weak blow of air for 20 mins. and died, closed tool at 3:15 P.M. for 1/4 hr. BUP. Recovered 705' salt water, 130' drlg. mud. Howco. Hydro. in 2000# out 2000#, Min. Flow pressure 300# Final flow pressure 200#, 1/4 Hr. BUP. 1200#. Amerada Hydro. in 1900# out 1850#, Min. Flow pressure 80#, Final flow pressure 300#, 1/4 hr. BUP. 1200#

1-24-49 DST. #3 From 7037' to 7092' Packer set at 7037' W/5/8" Bottom & 1" Top choke. Perforations 7066' to 7089'. Tool opened at 3:20 P.M. with very faint blow of air which gradually decreased and quit blowing at 3:48 P.M. Tool setopen 1 hr. after blow stopped. Closed tool at 4:48 P.M. for 1/4 hr. BUP. Packer pulled loose at 5:05 P.M. Recovered 280' drlg. mud, No oil, water or gas. Howco Hyrdo in 4070# out 4070#, Flow pressure 0# to 200# 1/4 Hr. BUP. 0#. Amerada Hydro. in 3915# out 3935#.Flow pressure 0# to 185#, 1/4 Hr. BUP. 0#

3-1-49 DST. #4 From 8992' to 9172' Packers set at 8984' & 8992'. Perforations. 9156' to 9168' W/5/8" Bottom & 1" Top Choke. Tool opened at 7:00 A.M. had few bubbles air & closed tool in 15 mins. & reopened tool & Tested packers. First time tool was not open, opened tool at 7:20 A.M. Gas up in in 5 mins., mud in 8 mins. Oil in 25 mins. Turned to tanks at 7:45 A.M. not making much oil, Gas estimated at 2,000 cu. ft. per day. Tool closed at 11:45 A.M. Made 256.59 bbls. fluid. Gas Volume 2,610,000 cu. ft. gas GFM. 1695Gty. 46.3 corrected. Recovered 44.16 bbls. fluid 30% salt water, broke down tool and recovered 15 stands oil, 5 stsnds salt water, Howco Hydro. in 5325# out 5300#, Flow pressure 3280#, no build up. Amerada Hydro. in 5440# out 5330#, Min. Flow 2860#, Max. flow 3240# 1/4 Hr. BUP 3350#

3-3-49 DST. #5 9056' to 9172' Packers set at 9048' & 9056' W/5/8" Bottom & 1" Top Chokel. Perforations 9136' to 9169' tool opened at 7:45 A.M. Good blow ofa air immediately, that decreased to faint blow and continued through out 4 hr. test. Closed tool at 11:45 A.M. Pulled packer loose at 12 noon. Recovered 1950' dry pipe, 270' drlg. mud. cut with salt water, 6952' of salt water, With no show of oil . Howco hydro. in 5375# out 5250# Flow pressure 2700# to 3300# No Build up. Amerada Hydro. in 5380# out 5320#, Flow pressure 2110# to 3230# No build up.

3-11-49 DST #6 From 9585' to 9646' Packers at 9581' & 9585'. W/5/8" Bottom & 1" Top Choke. Perforations 9586' to 9587' & 9611' to 9622' Tool opened at 2:32 A.M. had good blow air for 10 minutes that gradually decreased to 3 bubbles per min. and at end of 4 hr. test. Closed tool at 6:32 A.M. for 1/4 hr. Build up. Recovered 120' drlg. mud no lil or water. Howco Hydro. in 5875# out 5300#, Flow pressure 0# to 80# no build up pressure. Amerada Hydro. in 5360#, out 5360#, flow pressure 30# to 95# no build up.

4-14-49 DST. #7. From 10740' to 10769' Packers set at 10732' & 10740' W/5/8" bottom & 1" Top Choke. with 2222' water blanket. Tool opened at 5:30 A.M. had about at dozen bubbles of air, reopened tool at 5:45 A.M. had about 2 dozen bubbles, very faint blow of air for 3 mins. Reopened Tool at 7:30 A.M. no blow, Closed tool at 7:35 A.M. for 1/4 hr. BUP. recovered 2222' Water Blanket with rainbow of oil, 20' drlg. mud, gas cut & very slightly oil cut, no formation water. Howco. Hydro. in 5700# out 5700# Flwo pressure 1000# no Build up. Amerada Hydro. in 5800# out 5835# Flow pressure 1145# no BUP.