

DRILL STEM TEST

D. S. T. #1 9299-9381

Tool open 1 hr. 5/8" Bottom hole choke 1" surface choke. Weak blow of air to surface at once, dead in 10 min. Remained dead. Rec. 125' of drlg. mud. No water, gas or oil FBHP 55 to 85 psi. 15 min SIBHP zero.

D. S. T. #2 9405-9493

Tool open 3 hrs. 5/8" bottom hole choke 1" surface choke. Weak blow of air to surface at once, increased to strong blow of air in 2 min. Gas to surface in 12 min., moderate blow of gas at end of 1 hr. continued moderate until end of test. Rev. at 4750' of very heavily oil and gas cut mud and 1500' of free oil, Rec. 300' of mud and water below circulating sub. 300' of water checked and found to be filtrate water. Titrated 20,000 ppm total chloride. FBHP - 190 to 255 psi. 20 min. SIBHP 2675 psi.

D. S. T. #3 9493-9545

Tool open 2 hrs. 1" surface choke 5/8" bottom hole choke. Very weak blow of air to surface at once. Moderate to strong blow of air in 25 min. Deminished to weak blow in 70 min. Weak blow of gas to surface in 110 min. Rec. 450' of heavily oil and gas cut mud. No water FBHP 100-150 psi 20 min. SIBHP 455 psi.

D. S. T. #4 9559-9620

Tool open 3 hrs. 20 min. 5/8" bottom hole choke and 1" surface choke. Moderate blow of air to surface at once. Strong blow of air in 1 min. Strong blow of gas to surface in 3 min. Oil to surface in 15 min. Flowed 49.5 bbls. of oil 1st hr. and 51 bbls. oil 2nd hr. at 485 psi surface pressure Rev. out Rec. 90' of black muddy water and 210' of Drlg. mud below circulating sub. FBHP 1700 to 2300 psi. 20 min. SIBHP 3225 psi.

D. S. T. #5 9609 to 9670

Tool open 2 hrs. 20 min. 5/8" bottom hole choke and 1" surface choke. Strong blow of air to surface at once, gas to surface in 3 min., fluid to surface in 12 min. Cleaned to pits for 20 min. Flowed 43 Bbl oil 1st hr. and 47 Bbl oil 2nd hr. G.O.R. 897. 380 to 330 psi surface pressures. Rev. out 100' of water cut mud and recovered 300' of slightly mud cut water. Titrated 45,000 p.p.m. Total chloride. FBHP 1650-1875 psi, 15 min. SIBHP 3300 psi.

D. S. T. #6 9713 to 9820

Tool open 2 hrs. 5/8" BC and 1" SC. Moderate blow of air to surface at once, increasing to strong blow in 4 min. gradually decreasing to moderate blow at end of test. Rec'd. 1850' of gas in Drill Pipe. Rev. out 5470' of slightly oil and gas cut brackish water. Rec. 180' of brackish water below circulating sub. FBHP 425-2345 psi. 15 min. SIBHP - 3108 psi. Water Titrated 28,000 P.P.M. Total chloride w/slight sulphur reaction mud filtrate. Titrated 22,000 P.P.M.