

RECORD OF DRILL-STEM AND SPECIAL TESTS

D. S. T. #1 6409 to 6529, Glorietta, tool open 2 hours weak blow of air to surface at once. Increased to moderate blow for remainder of test. Rec. 90' of drilling mud, and 840' of brackish water. FBHP 60 to 390 psi 30 minutes SIBHP 2130 psi.

D. S. T. #1 6409 to 6529. Water titrated 118000 ppm total chloride. Titration of circulating mud filtrate 83000 ppm total chloride.

D. S. T. #2 8700 - 9000 tool open 5:00 A. M. Weak blow air immediately test continued.

D. S. T. #2 8700 - 9000. Tool open 4 hours very weak blow air to surface continued throughout test. Recovered 718' drilling mud no show of oil, gas or water. BHPP 60 - 302 Thirty minutes BHPSI 2195.

D. S. T. #3 9699 to 9800. Tool open 2 hours weak to moderate blow of air at once cent. throughout test. Rec. 4650' salt water FBHP 400 - 1980. 30 min. SIBHP 3215.

D. S. T. #3 lower section of Abo. 9699 to 9800. Titrated 88,000 PPM chloride. The resistivity measured by Schlumberger was 0.55 at 85 degrees F.

D. S. T. #4 10569 to 10660. Tool open 5 A.M. Weak blow, continuing for 30 min. Test not completed.

D. S. T. #5 11000 to 11095 misrun; D. S. T. #6 11000 to 11095 tool open 2 hours. Weak blow of air for 2 hours Rec. 570' of very slightly gas cut drlg. mud. FBHP 85 to 265 psi. 20 min. SIBHP 720 psi.

D. S. T. #7 11489 to 11570. 8-28. Mud weight dropped from 9.8 - 8.6 gas cut. Necessary to condition mud 24 hours to run DST. Increased mud weight to 10.2.

D. S. T. #7 11489 to 11570. Open 3 hours moderate blow air decreasing to weak in three hours. Rec. 90' drlg. mud. BHPP zero 30 min. BHPSI zero.

D. S. T. #8. Mud 10.3 - 103 - 6 - 2/32. D.S.T. #8 11700 to 11825. Pennsylvanian Bend Sand.

D. S. T. #8 11675 to 11825. Penn Bend sand. Tool open 3 hours. Moderate strong blow gas to surface in 23 min. Continued throughout test. Rec. 450' of oil and heavily gas cut mud, 360' gas cut mud, no indications of water. BHPP 140 to 250 psi, 20 min SIBHP 1775 psi.

D. S. T. #9 to 11912. Tool open 1 hour and 42 min. Weak blow of air at once and died in 12 min. Rec. 40' of drlg. mud no show of gas, oil or water. Final FBHP 90 psi, 30 min. SIBHP 135 psi.

D. S. T. #10 12345 - 12455. Tool open 6 A.M. Moderate blow air, test continued. Bit #174 W7R made 37' in 15-3/4 hours 2/40,000#.

D. S. T. #10 12345 to 12455. Open 3 hrs. mod. blow air for 15 min. Weak blow for 1 hr 5 min. Rec. 330' mud no show. FBHP 90 to 115. 30 min SIBHP 130 psi. Consideration being given to running chert bit.

