

RECORD OF DRILL STEM TESTS
SHELL-CARTER NO. 1
SEC. 32, T-17-S, R-39-E

DST #1: 3429-3522. Tool open 30 min. Weak air blow to surface immediately - died after 4 1/2 min. Recovered 80' (1 barrel) drilling mud. No shows. Flowing pressure 0 p.s.i. No build-up test taken. Hydrostatic mud pressure 1800 p.s.i. Positive Test.

DST #2: 5399-5430. Tool open 30 min. Weak air blow immediately. Died in 5 min. Recovered 35' (0.26 bbls.) mud. No shows. FBHP 0 p.s.i. 15 min. shut in BHP 0 p.s.i. Hydrostatic mud head 2625 p.s.i. Positive Test.

DST #3-A: 5430-5460. Drill pipe leaked. Failed to open disc valve. No test.

DST #3: 5430-5460. Tool open 30 min. Weak air blow immediately. Died after 6 min. Recovered 75' (0.5 bbls.) drilling fluid w/slight odor gas, no cut. FBHP 0 p.s.i. 15 min. shut in BHP 0 p.s.i. Positive Test.

DST #4: 5459-5524. Tool open 90 min. Weak air blow throughout. Recovered 270' (2 bbls.) gas cut, slightly oil cut muddy sulfur water & 300' (2.2 bbls.) brackish sulfur water titrating 2000 ppm total chlorides. FBHP 0 to 350 p.s.i. 15 min. shut in BHP 1525 p.s.i. Positive Test.

DST #5: 6841-6949. Tool open 55 min. Very strong air blow at beginning of test. Died after 45 min. Recovered 1080' (7.85 bbls.) water cut drilling fluid, 450' (3.27 bbls.) mud cut water & 4440' (32.28 bbls.) slightly brackish sulfur water titrating 3500 ppm chlorides. FBHP 2800 p.s.i. 15 min. shut in BHP 2800 p.s.i. Hydrostatic mud head 3350 p.s.i. Positive Test.

DST #6: 7400-7530. Tool open 70 min. Strong air blow immediately, diminishing throughout test. Died after 62 min. Recovered 375' (2.73 bbls.) water cut drilling fluid & 6100' (44.35 bbls.) very slightly salty sulfur water titrating 1000 ppm total chlorides. FBHP 1650 to 2775 p.s.i. 15 min. shut in BHP 2775 p.s.i. Hydrostatic mud head 3350 p.s.i. Positive Test.

DST #7-A: 7597-7740. Drill pipe leaked. No test.

DST #7: 7597-7740. Tool open 45 min. Weak blow of air to surface dying in 35 min. Recovered 370' (2.6 bbls.) very slightly gas cut mud. Mud filtrate titrated 1000 ppm chlorides. FP 0 to 50 p.s.i. 15 min. build-up pressure 125 p.s.i. Hydrostatic mud pressure 3625 p.s.i. Positive Test.

DST #8-A: 10,363-10,439. Packer failed. No test.

DST #8: 10,359-10,439. Weak air blow immediately dying after 4 min. Packers failed again after 23 min. Recovered 1620' (12 bbls.) drilling fluid with no shows in fluid or drill stem.

DST #9: 11,868-11,910. Ran 1830' water blanket. Tool open 15 min. Good air blow to surface immediately, died after 14 min. Recovered 1830' water blanket & 20' (0.15 bbls.) drilling fluid. No shows oil or gas. FBHP 750 p.s.i. 15 min. shut in BHP 750 p.s.i. Flowing pressure & shut in pressure due to water blanket. Hydrostatic mud head 5250 p.s.i. Positive Test.