

AMERADA PETROLEUM CORPORATION

S. E. ANDERSON #1

DRILL STEM TEST

- D. S. T. #7 - 11,276' to 11,305', Penn. Zone, 2 hr. test, 4-1/2" D.P., 5/8" bottom and 1" top choke, 2000' water blanket. Opened tool with very weak blow for 1 hr. and 35 mins., increased to good blow for 25 mins., gas to surface in 1 hr. after tool was closed. Gas Vol. - TSTM. No fluid to surface. Recovered 2000' or 28.14 bbls. water blanket, gas cut; 181' or 2.36 bbls. heavy gas cut drlg. mud, 84' or 1.14 bbls. muddy salt water, heavy gas cut. No show of oil or distillate. HI - 5690, HO - 5658, IFP - 1011, FFP - 1032, 1-1/2 hr. BU in 10 min. intervals - 2425, 2801, 2998, 3107, 3192, 3248, 3278, 3296, 3316 and still building.
- D. S. T. #8 - 11,585' to 11,638', Atoka Zone, 4-1/2" D.P., 5/8" bottom and 1" top choke, 2500' water blanket. Opened tool. Packers failed to hold. No test.
- D. S. T. #8 - Run #2 - 11,595' to 11,638', Atoka Zone, 1 hr. and 5 min. test, 4-1/2" D.P., 5/8" bottom and 1" top choke, 2500' water blanket. Opened tool with very weak blow of air that died in 5 mins. No gas or fluid to surface. Rec. 2500' water blanket, 60' or .79 bbls. slight gas cut drlg. mud. No show of oil or water. Test tool partially plugged. HI - 5932, HO - 5932, 50 min. BU - 2482.
- D. S. T. #9 - 12,640' to 12,665', Devonian Zone, 2-1/4 hr. test, 4-1/2" D.P., 5/8" bottom and 1" top choke, 3650' water blanket. Opened tool with weak blow of air, increased to good blow in 4 mins. and continued good thru out test. Reversed out 5550' or 79 bbls. oil, Gvty. 43.7 cor. and 3650' or 51 bbls. water blanket. No show of formation water. HI - 6540, HO - 6520, IFP - 1730, FFP - 3685, 1-1/2 hr. BU in 10 min. intervals - 4880, 4890, & steady. Buildup was complete in 20 mins.
- D. S. T. #10 - 12,665' to 12,690', Devonian Zone, 4-1/2" D.P., 3 hr. Test, 5/8" bottom and 1" top choke, 3600' water blanket. Opened tool with weak blow of air, increasing to good blow in 7 mins. & continued to end of test. Recovered 10 gals. free oil on top of water blanket, 3600' or 51 bbls. est. 10% oil cut water blanket, 658' or 9.35 bbls. est. 5% oil cut drilling mud, 3572' or 51 bbls. est. 1% sl. oil cut, dark brackish, sl. sulphur water and 1320' or 20 bbls. clean sulphur water. Bottom hole temp. 204 deg., HI - 6468, HO - 6360, IFP - 1680, FFP - 4000. 1 hr. BU 4850. Buildup was immediate.