

D. S. T. #12: Misrun.

D. S. T. #13: 10,135' to 10,241'. 2500' water blanket. 5/8" bottom hole choke. Tool open 30 minutes. Gas flowed to surface in 5 minutes. Unloaded water blanket. Flowed 13,000 MCF per day of sweet gas with approximately 3 barrels of distillate per hour. Gas measured with 2-1/2" orifice in 3" orifice well tester with 60 PSIG pressure. Separator pressure was 80 psig. Recovered 90' distillate and 270' of heavily gas and distillate cut mud. FBHP 2820 to 3765 psig. 20 minutes SIBHP 4015 psig.

D. S. T. #14: 11,068 to 11,087'. 2500' water blanket. Tool open 1 hour. Weak blow of air; dead in 4 minutes. Recovered 2500' water blanket and 15' drilling mud. No show of oil, gas or water. BHPF zero; 20 minute BHPSI zero.

D. S. T. #15: 11,085' to 11,120'. Devonian tool open 35 minutes. Slight blow of air; dead in 2 minutes. Recovered 2500' water blanket, 15' drilling mud, no oil, gas or water. BHPF 1130. 15 minutes BHPSI 1360.

D. S. T. #16: 11,120' to 11,150'. Devonian fractured, fine to med. Dolomite 2000' of Water Blanket. Tool open 1 hour and 38 minutes. Weak blow of air to surface immediately. Dead in 38 minutes. Recovered 145' of drilling mud and 50' of salt water. FBHP 900 psi. 15 minutes SIBHP 3760 psi.

D. S. T. #17: 11,150' to 11,193'. Devonian 2000' of water blanket. Tool open 36 minutes. 7 or 8 bubbles of air to surface and died. Recovered 50' of drilling mud. FBHP 830 psi. 25 minutes SIBHP 4400 psi.

D. S. T. #18: 11,193' to 11,240'. Devonian 2100' of water blanket. Tool open 2 1/2 hours. Moderate blow of air to surface immediately. Continued for 1 1/2 hours and weakened. Recovered 2100' water blanket and 3800' of salt water. FBHP 580 to 2660 psi. 15 minutes SIBHP 4300 psi.

D. S. T. #19: 11,570' to 11,620'. Montoya. 2200' of water blanket. Tool open 1 hour and 25 minutes. A few weak bubbles of air to surface, dead in 10 minutes. Recovered water blanket, and 90' of drilling mud. No show of oil, gas or water. FBHP 985 psi. 30 minutes SIBHP 3460 psi.

D. S. T. #20: 11,621' to 11,718'. 2200' water blanket. Tool open 3 1/4 hours. Weak blow air throughout test. Recovered water blanket. 250' of salt water and 180' of water cut mud. No show of oil or gas. FBHP 1100 to 1200 psi. 20 min. SIBHP 4800 psi.

D. S. T. #21: 12,060' to 12,090'. 2500' water blanket. Tool open 1 1/2 hours, very weak blow at once dead in 1 min. Recovered 2500' water blanket and 60' of drilling mud. No show of gas, oil or water. BHPF 1180 psi. 20 minutes SIBHP 1595 psi.

D. S. T. #22: 12,090' to 12,120'. 2500' water blanket. Tool open 1 hour, very weak blow of air to surface at once. Dead in 5 minutes. Recovered water blanket and 10' of drilling mud, no shows of oil, gas or water. BHPF 1105 psi. 20 minutes SIBHP 1760 psi.

D. S. T. #23: 12,120' to 12,183'. Tool open 1 hour. Weak blow of air, dead in 4 min. Recovered 30' drilling mud, no show of oil, gas or water. FBHP 1150 psi. 30 minutes SIBHP 2630 psi.

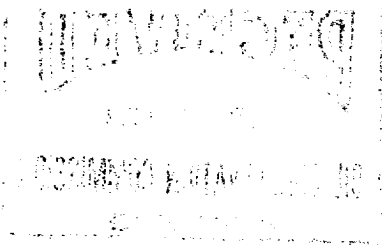


Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The *Agrobacterium* strains were grown in the YEA medium for 24 h at 28 °C. The cell concentration of the strains was adjusted to 10⁸ cells/ml. The cell suspension was mixed with the plant tissue and incubated for 24 h at 28 °C. The plant tissue was then cultured on the selective medium. The transformation efficiency was determined as the number of transformants per 100 mg of plant tissue. The data were the mean of three independent experiments.