

DAVID FASKEN

GATES "11" FEDERAL NO. 1

D.S.T. SUMMARY

D.S.T. NO. 1, 9731'-9780'

Tool open 45 mins., opened w/very weak blow,  $\frac{1}{4}$ " choke, decreased at end of test. SI  $1\frac{1}{2}$  hrs., reopened tool for 2 hrs. w/very weak blow. SI 4 hrs. Rec. 270' of drilling fluid. Chlorides varied from 16,400 to 14,760, pit chlorides - 18,000. IHP 4356, in and out. Tool plugged - no other pressures recorded.

D.S.T. NO. 2, 9739'-9780'

Tool opened w/very weak blow, dead in 15 mins., shut in 1 hr., reopened, no blow, bypassed tool, no blow. Recovered 10' of drilling fluid. Tool completely plugged w/very fine cuttings. IHP 4550, FHP 4550. No other pressures recorded due to plugged tool.

D.S.T. NO. 3, 9735'-9805'

Tool open 10 mins. w/very weak blow increasing to very good blow on  $\frac{1}{4}$ " choke, GTS in 12 mins., surface pressure 80#, rate 137 MCF/day. Tool closed 60 mins., reopened tool on  $\frac{3}{8}$ " choke for 90 mins.

<u>Time</u>	<u>Surface Pressure</u>	<u>Rate (MCF/day)</u>
15 mins.	8	27
25	20	68
30	15	51
45	10	34
60	10	34
75	8	27
90	8	27

Tool closed 180 mins. Rec. 4070' drilling fluid (50.2 bbls.) Top sample - mud, middle sample - 11,000 PPM Chloride Ion, bottom sample - 17,500 PPM Chloride Ion. IHP 4571, PFP 773 (10 mins.), ISIP 3795 (60 mins.), IFP - 815, FFP 1765 (90 mins.), FSIP 3795 (180 mins.), FHP 4529.