Gates "11" Fedc.al No. 1 - D.S.T. Summary Page 2

D.S.T. NO. 4, 9840'-9950'

Tool open initially for 20 mins. w/weak blow, shut in 1 hour, reopened $2\frac{1}{2}$ hrs. w/weak blow, shut in 5 hrs. Recovered 3650' of fluid (44.7 bbls.). Top sample - drilling mud, middle sample - formation water, 24,000 PPMC1, bottom sample - formation water, 25,000 PPMC1. IHP - 4737, 20 min. PFP - 213 to 489, 1 hr. ISIP - 4017, IFP 532, FFP 1607 ($2\frac{1}{2}$ hrs.), FSIP 4017 (5 hrs.), FHP 4610.

D.S.T. NO. 5, 9935'-10,011'

Tool open initially 15 mins. w/weak blow, shut in 1 hour, reopened w/good blow. In 5 mins. had 2.3# on $\frac{1}{4}$ " choke, in 30 mins. had $\frac{1}{2}$ # on $\frac{1}{4}$ " choke, at end of 1 hour had $\frac{1}{2}$ # on $\frac{1}{4}$ " choke. SI 2 hrs., had GTS in 6 mins. after shutting in. Rec. 225' of heavy gas cut drilling mud. IHP 4725, PFP 45 to 68, ISIP 917, IFP 68, FFP 114, FSIP 2044, FHP 4460.

D.S.T. NO. 6, 9377'-9451' (straddle packer test)

Tool open initially for 20 mins., opened w/good blow, GTS in 8 mins., 2 psig on $\frac{1}{2}$ " choke decreased to $\frac{1}{4}$ psig on $\frac{1}{2}$ " choke. SI $1\frac{1}{2}$ hrs. Reopened for 1 hour with strong blow of gas.

Minutes	Choke	Pressure	Volume
5	1211	4	TSTM
10	12"	3	TSTM
15	1 ₂ 11	0.5	TSTM
20	12"	VWB	TSTM
40	1 ₂ ''	VWB	TSTM
60	1/2"	VWB	TSTM

Shut in 2 hours. Recovered 225' of heavy gas cut drilling mud. IHP - 4327, PFP 91 to 160, ISIP 1144, IFP 91, FFP 183, FSIP 1144, FHP 4415.