STATE S "A" WELL NO. 1
DRILL STEM TESTS

8-20-50 - DST #1 from 9919' to 9958', 9 hour & 34 Min. test, 4-1/2" Full Hole Drill Pipe, Perforations from 9919' to 9920' & 9948' to 9955' on 5/8" bottom & 1" top chokes. Opened tool at 4:06 A.M. with light blow of air which continued to 8:06 A.M.. Closed tool at 8:06 A.M. for 1/4 hour build-up. Pulled packers loose, broke top joint of drill pipe & found pressure on drill pipe. Checked Halliburton Head and found it partly plugged with mud. Let pressure bleed down & reopened tool at 9:40 A.M. Closed tool at 1:40 P.M. for 1/4 hour build-up. Fist 3 hours gas volume wqas 76,000 cu ft per day and the last hour gas volume was 43,000 cu ft per day. Recovered 1230' of dry pipe, 220' of drilling mud, 950' of water blanket and 2590' of oil, gravity 37.6 corrected, and 4968' of salt water, estimated 5% oil cut. Chart for 1st. 4 hours - Hydro. pressure in 4875#, out 4825#, initial flow pressure 595#, final 3870#, 1/4 hour build-up 3350#. Chart for 2nd. 4 hours - Hydro. pressure in 4875#, out 4825#, initial flow pressure 2190#, final 2980#, 1/4 hour build-up 3140#.

8-22-50 - DST #2 from 9948' to 9961', 4 hour test, 4-1/2" full hole drill pipe, perforations from 9948' to 9958' on 5/8" bottom & 1" top chokes. Opened tool at 9:42 A.M. with fair blow of air, gas to surface in 1 hour & 20 min. which continued for remainder of test with slight decrease. Closed tool at 1:42 P.M. for 1/4 hour build-up. Recovered 176' of slightly oil & gas cut mud. Hydro. pressure in 4825#, out 4825#, initial flow pressure 50#, final 50#, 1/4 hour build-up 1190#.

8-23-50 - DST #3 from 9961' to 9985', 4 hour & 40 Min. test, 4-1/2" full hole drill pipe, perforations from 9961' to 9982' on 5/8" bottom & 1" top chokes. Opened tool at 3:20 P.M. with good blow of air, gas to surface in 4 minutes, oil & mud to surface in 26 minutes. Turned to tank at 3:55 P.M. and well flowed as follows:

3:55 to 4:55 P.M.	33.12	bbls. oil	4% Mud	0	Water
5:55	44.16	" "	1% BS	5%	"
6:55	33.12	" "	1% "	7%	"
7:55	27.60	" "	1% "	5%	"
	138.00	" "	Avg. 1.75%	4.25%	

Corrected gravity 41.4.
In 4 hours the well flowed 129.72 bbls. oil, 2.41 bbls. mud & BS and 5.87 bbls. of water. Closed tool at 8:00 P.M. for 1/4 hour build-up. Gas the first 3 hrs. 1,072,000 cu ft per day, last hour 1,000,000 cu ft per day. Recovered 4860' of oil, 1080' salt water. Hydro. pressure in 4940#, out 4870#, initial flow pressure 1160#, final 1720#, 1/4 hour build-up 3060#.

8-24-50 - DST #4 from 9985' to 10000', 4 hour test, 4-1/2" full hole drill pipe, perforations from 9985' to 9994' on 5/8" bottom & 1" top chokes. Opened tool at 7:02 P.M. with good blow air, gas to surface in 4 minutes, 125,000 cu ft per day. Closed tool at 11:02 P.M. for 1/4 hour build-up. Recovered 9486' of oil, gravity 40.5 corrected, oil cut 2-1/2% water, 270' of salt water, 180' of oil & gas cut mud. Hydro. pressure in 4870#, out 4820#, initial flow pressure 325#, final 1135#, 1/4 hour build-up 1675#.

8-25-50 - DST #5 from 10000' to 10015', 4 hour test, 4-1/2" full hole drill pipe, perforations from 10000' to 10012' on 5/8" bottom & 1" top chokes. Opened tool at 12:32 A.M. with good blow air, gas to surface in 8 min., first 2 hours averaged 99,200 cu ft per day, second 2 hours averaged 44,700 cu ft per day. Closed tool at 4:32 A.M. for 1/4 hour build-up. Well started unloading when broke Kelly & 1st joint of tubing - Gravity of oil 34.7 corrected, 2.5% BS & Mud. Recovered 9265' of oil, gravity 39.4 corrected, 630' of oil & gas & water cut mud, 90' salt water. Hydro. pressure in 4760#, out 4760#, initial flow pressure 265#, final 965#, 1/4 hour build-up 1910#.

8-27-50 - DST #6 from 10015' to 10040', 2-1/2 hour test, 4-1/2" full hole drill pipe, perforations from 10015' to 10037' on 5/8" bottom & 1" top chokes. Opened tool at 11:30 A.M. with light blow for 3 min. & died. Closed & re-opened tool at 11:50 A.M. with light blow for 1 min. & died. Closed tool at 12:50 P.M. for 1/4 hour build-up. Re-opened tool at 1:10 P.M. and closed at 2:00 P.M. Recovered 5' of drlg. mud, no shows of oil, gas or water. Hydro. pressure in 4830', out 4830'. initial flow pressure 0#, final 0#, 1/4 hour build-up 45#.