

# RECORD OF DRILL STEM TESTS

- D. S. T. #1 - 5070' - 5135', 3 hour test. Tool open with weak blow air for 2 hours and died. Recovered: 100' drilling mud w/ very slight trace dead oil
- D. S. T. #2 - 12010' to 12046', 4 hour test. Tool open with fair blow air, increased to good blow in 1 hour and cont'd throughout test. Gas to surface in 3½ hrs. Spray of Distillate to surface at end of test. Reversed out 3000' water blanket and 4149' of free oil, 45.2 gty. Reversed out total 69 bbls. oil and 33 bbls water blanket by thief. Recovered: 30' of 50% oil & gas cut drilling mud.
- D. S. T. #3 - 12046' to 12070', 8 hour and 28 min. test. Opened tool with fair blow air, Gas to surface in 3 hours, water blanket in 4 hours & 28 mins. Turned to tanks and well flowed 60.45 bbls oil and 42.37 bbls water blanket in 4 hrs. D.P. press. 40/150#, Gas Vol. 168,830 CFPD, Gty 47/8 corrected. Reversed out 99 bbls oil, no water. Recovered above T.C. Valve: 280' of 20% oil & gas cut drilling mud. Recovered below T.C. valve: 105' oil and 10' salt water.
- D. S. T. #4 - 12070' to 12095', 6 hour test. Opened tool with fair blow air. Fair blow gas to surface in 3 hrs and 35 mins. Closed tool and reversed out: 15.18 bbls oil and 33.12 bbls water blanket. Recovered: 90' water blanket then well unloaded 225' oil and 225' water blanket, then recovered 1900' of est. 87% gas cut water blanket. Remainder of recovery in est. 6175' of drill pipe lost thru circ. ports while pulling out of hole. Recovered below T.C. valve: 60' oil and 10' salt water.
- D.S.T. # 5 - 12095' to 12120', 5 hour and 15 min. test) Opened tool with weak blow air increasing to fair blow and remaining throughout test. Gas to surface in 4 hours and 30 mins, T.S.T.M., Closed tool and recovered: 1400' free oil and 3000' heavy gas cut water blanket with trace oil. Recovered below T.C. valve 180' free oil and 30' black brackish water.

## DEVIATION SURVEYS

300'	3/4 deg.	9280'	3/4 deg
2131'	1 "	9420'	1 2 "
3045'	1 "	9590'	3/4 "
3810'	3/4 "	9860'	straight
4200'	3/4 "	9925'	3/4 deg
4675'	1-1/4 "	10068'	straight
4867'	3/4 "	10200'	1/2 deg
5050'	1/2 "	10380'	3/4 deg
5380'	1 "	10520'	1-1/4 "
5585'	1/2 "	10650'	1/2 "
5800'	1/4 "	10780'	3/4 "
5923'	3/4 "	10899'	3/4 "
6070'	1 "	11018'	1/2 "
6250'	3/4 "	11140'	1/2 "
6435'	1 "	11300'	2-1/4 "
6610'	1 "	11355'	1-3/4 "
6770'	1 "	11475'	2-1/2 "
6925'	3/4 "	11610'	2-1/4 "
7090'	3/4 "	11770'	2-1/4 "
7230'	1/2 "	11966'	2-1/4 "
7480'	1 "		
7650'	3/4 "		
7850'	1/4 "		
8070'	1/2 "		
8235'	3/4 "		
8340'	1 "		
8480'	1 "		
8600'	3/4 "		
8710'	3/4 "		
8875'	1/2 "		
8990'	1/2 "		
9110'	1/2 " 92		