

## DRILL STEM TEST

- No. 1      9610 to 9725, packer failed.
- No. 2      9620 to 9725 W/2200' water cushion. Tool open 4 hrs. Weak blow held steady for 2 hrs., 45 minutes, then increased to good blow. Gas to surface in 3 hrs., 38 minutes. Recovered 2200' heavy gas cut and slight oil cut water cushion, 476' heavy gas and oil cut drilling mud, 40' free oil and 50' heavy oil gas cut drilling mud below T. C. Valve. Initial flowing pressure 905#, final flowing pressure 1095#, hyd pressure 4820#, 30 minute shut in pressure 1630#.
- No. 3      9726 to 9790 W/2000' water cushion. Tool open 1 hr., 15 minutes, water cushion to surface in 38 minutes, mud to surface in 45 minutes, oil to surface in 53 minutes, flowed to pits 37 minutes, flow estimated at 25 bbls per hour W/1" choke on bottom and 5/8" choke on top of tool. Reversed out after 30 minute shut in, reversed out oil for 3 minutes, oil and salt water for 38 minutes, (60% oil, 40% salt water). Came out of hole, recovered 20' free oil and 40' salt water below T. C. Valve. Initial flowing pressure 1915#, final flowing pressure 2645#, 30 minute shut in pressure 2895#, initial hyd. pressure 4855#, final hyd. pressure 4850#.
- No. 4      9827 to 9868, tool open 1 hour and 30 minutes. Fair blow decreasing to weak blow after 15 minutes, died in 1 hour and 20 minutes. Recovered 1000' clean water cushion, 500' muddy oil and gas cut water cushion with salty taste, 500' heavy oil and gas cut water cushion, salty, 5800 slightly oil gas cut salty water with slight sulphur odor; initial flowing pressure 1060#, final flowing pressure 3495#, 30 minute shut in pressure 3495, hyd. pressure 4845#.

