

STATE L"C" NO. 1 - DRILL STEM TESTS

- DST #1 from 9640' to 9687', Wolfcamp, Opened tool with weak blow of air. Packer failed.
- DST #1, 2nd run, from 9640' to 9687', Wolfcamp, opened tool with very weak blow air and died in 4 minutes. Recovered: 9561' dry pipe and 59' drilling fluid, no shows of oil, gas or water. HI & HO - 4176#, IFP - 54#, FFP - 54#, 10, 20, & 30 min. build up - 54#.
- DST #2 from 10,290' to 10,335', Pennsylvanian, 4 hour test. Used 1300' water blanket. Opened tool with fair blow of air then decreased to a very weak blow in 4 hours. Recovered: 1953' dry pipe, 1300' water blanket, 279' drilling fluid and 6713' salty sulphur water above TC valve and 90' salt water below TC valve, no shows of oil or gas. HI-4415#, HO-4380#, IFP-700#, FFP-3850#, 10, 20, & 30 min. build up-3960#.
- DST #3 from 10,730' to 10,780', Pennsylvanian, had packer failure.
- DST #3, 2nd run, from 10,715' to 10,780', Pennsylvanian, 15 min. test. Used 1800' water blanket. Opened tool with a very weak blow of air and died in 5 mins. Recovered: 1800' water blanket and 280' of drilling fluid with no shows of water, oil & gas. HI & HO-4681#, IFP & FFP-766#, no build up due to packer failure.
- DST #4 from 10,765' to 10,865', Lower Pennsylvanian, had packer failure.
- DST #4, 2nd run, from 10,755' to 10,865', Lower Pennsylvanian, 2 hour & 9 minute test. Used 1800' water blanket. Opened tool with weak blow of air for 15 minutes and died. Closed and re-opened with no blow. Recovered: 1800' water blanket, 465' drilling mud above TC valve and 171' drilling mud below TC valve, no shows of oil, water or gas. HI & HO-4930#, IFP-1275#, FFP-1275#, 10 min. BUP-1310#, 20 min. BUP-1434# and 30 min. 1500#.
- DST #5 from 11,718' to 11,760', Devonian, 1 hour test. Used 2711' nitrogen blanket. Opened tool with few air bubbles and died. Recovered nitrogen blanket and 30' of very slightly gas cut drilling mud, no shows of oil or water. HI & HO-5500#, IFP & FFP-880#, 10 min BUP-1300#, 20 min. BUP-1630# and 30 min. BUP-2240# and increasing.
- DST #6 from 11,760' to 11,789', Devonian zone, 2 hour test. Used 2711' nitrogen blanket. Opened tool with weak blow air and died after 19 minutes. Recovered: 2711' nitrogen blanket, 304' water and 30' drilling mud estimated 5% heavy black oil cut. HI & HO-5520#, IFP-880#, FFP-1040#, 10 min. BUP-3020#, 20 min. BUP-3420#, and 30 min. BUP-3700#.
- DST #7 from 11,789' to 11,840', Devonian, 1 hour and 21 min. test. Used 2813' nitrogen blanket. Opened tool with very weak blow of air for 21 mins. and died. Recovered: 2813' nitrogen blanket, 151' water and 98' drilling mud, no shows of oil or gas. HI & HO-5580#, IFP-900#, FFP-975#, 10 min. BUP-3620#, 20 min. BUP-3900# and 30 min. BUP-4100#.
- DST #8 from 11,840' to 11,876', Devonian zone, 4 hour test. Used 2813' nitrogen blanket. Opened tool with weak blow air for 10 mins. then increased to strong blow for 2 hours & decreased to weak blow at end of test. Recovered: 256' of mud cut salt water and 5146' of salt water. No shows of oil. HI & HO-5600#, IFP-940#, FFP-2080#, 10 min, BUP-2080#, 20 min. BUP-2120#, and 30 min. BUP-2300#.
- DST #9 from 12,540' to 12,704', Fusselman zone, 3 hour test. Opened tool with faint blow increasing to sudden strong blow then weakened & died. Had another blow increasing to strong blow at end of test. Recovered: 10,677' of salt water, no shows of oil or gas. HI-5000#, HO-4800#, IFP-2620#, FFP-4320#, 10 min. BUP-4360#, 20 min. BUP-4520#, and 30 min. BUP-4740#.
- DST #10 from 9910' to 9990', Pennsylvanian, opened tool with good blow air continuing for 2 hrs and gradually decreasing to weak blow at end of test. Recovered above TC valve: 282' of drilling mud and 6470' salty sulphur water. Below TC valve: 150' salty sulphur water. HI-4220#, HO-4150#, IFP-45#, FFP-2930#, 10 min. BUP-3180#, 20 min. BUP-3205#, 30 min. BUP-3225#.

TOTCOS					
623'	1/2 deg.	7060'	1-3/4 deg.	11755'	3 degs.
1910'	2-	8005'	2	12168'	3-1/2
2840'	3/4	9060'	2-3/4		
3335'	1/2	10070'	3/4		
4260'	1-3/4	10864'	3/4		
5054'	1-1/2	10040'	1/2		
6310'	1-3/4	11465'	2		

