

DRILL STEM TEST NO. 1 - 4695-4820':

1" EHC, 5/8" THC. Tool open 2 hours with fair blow of air throughout test. Pulled 4½"OD drill pipe and recovered 2976' of slightly sulphur water, tested 18,000 ppm chlorides, no show of oil or gas. H.P. in 2040#, out 2030#, IFP 115#, FFP 120#, 20-minute buildup 1555#.

DRILL STEM TEST NO. 2 - 9861-9945':

1" THC, 5/8" EHC. Tool open 4 hours and 15 minutes, good blow of gas to surface in 1 hour continued blowing at rate of 29.2 MCF throughout test, no fluid to surface. Pulled 4½"OD drill pipe found 912' of fluid of which top 350' was clean oil, next 212' was gas pocket with gas only, and bottom 350' was heavy gas-cut and oil-cut drilling mud, estimated 12% oil, no water. IFP 155#, FFP 280#, H.P. in 5105#, out 5065#, 20-minute buildup 3190#. Corrected gravity 46.9°. B.H. Temperature 154°.

DRILL STEM TEST NO. 3 - 9954-10,050':

1" THC, 5/8" EHC. Tool open 2 hours and 25 minutes with very weak blow of air for 15 minutes and died. Closed and reopened tool with few bubbles air and died. Pulled 4½"OD drill pipe recovered 50' drilling mud, no shows of oil, gas or water. H.P. in 4970#, out 5010#, IFP 105#, FFP 115#, 20-minute buildup 125#. Temperature 150°.

DRILL STEM TEST NO. 4 - 10,045-10,223':

Attempted drill stem test #4. Had good blow of air for three minutes and packer failed.

DRILL STEM TEST NO. 5 - 10,008-10,223':

1" THC, 5/8" EHC. Tool open 50 minutes with weak blow of air for 50 minutes then packer started leaking. (Unable to take buildup). Pulled 4½"OD drill pipe recovered 510' of drilling mud cut with salt water, no show of oil or gas. Recovery tested 81,650 ppm chlorides, mud in pits tested 46,150 ppm chlorides. IFP 155#, FFP 220#. H.P. in 5160#, out 5055#.

DRILL STEM TEST NO. 6 - 10,299-10,384':

1" THC, 1" EHC. Tool open 3 hours, good blow of gas to surface in 1 hour and 52 minutes, gradually declined to a very faint blow at end of test. Pulled 4½"OD drill pipe and recovered 5972' of salt water. No show of oil. H.P. in 5240#, out 5200#, IFP 290#, FFP 2670#, 20-minute buildup 3655#.

DRILL STEM TEST NO. 7 - 11,073-11,199':

1" THC, 5/8" EHC. 1000' water blanket. Tool open 2 hours and 16 minutes with weak blow of air for 15 minutes and died. After 2 hours, closed and reopened tool with no blow. Pulled 4½"OD drill pipe and recovered 1000' water blanket and 16' of drilling mud. No shows. H.P. in 5680#, out 5690#, IFP 590#, FFP 640#, 15-minute buildup 690#.

DRILL STEM TEST NO. 8 - 11,408-11,644':

1" THC, 5/8" EHC. 1200' water blanket. Tool open 1 hour with weak blow of air for 23 minutes and died. Pulled 4½"OD drill pipe and recovered 1200' water blanket and 20' of drilling mud. No shows of oil, gas or water. H.P. in and out 5680#, IFP 880#, FFP 880#, 15-minute buildup 955#.

DRILL STEM TEST NO. 9 - 13,260½-13,272':

1" THC, 5/8" EHC. 3290' water blanket. Tool open 2 hours and 20 minutes with good blow of air for 2 hours then weakened and declined to a very weak blow of air at end of test. Pulled 4½"OD drill pipe and recovered 3290' of water blanket, 30' of drilling mud and 8278' of salt water with slight sulphur odor. No show of oil or gas. H.P. in 6625#, out 5755#, IFP 1655#, FFP 5200#. 20-minute buildup 5310#.