

DRILL STEM TEST

- D. S. T. #1 - 9505' to 9577' - Penn Zone - 4 Hr Test $4\frac{1}{2}$ " DP w/5/8" Bottom & 1" Top Choke
Opened tool with weak blow air, Gas surface 43 min, Remained weak blow
throughout test, TSTM. No Fluid to Surface, Recovered 863' Oil, 10% Gas & 20%
Drilling Mud, 70% Free Oil, Below TC Valve 110' Free Oil, No Show Water
Gravity 42.0
BT Chart: HI 4370, HO-4370, IF 134, FF 400, BU 10 Min 700, 20 Min 1198#
30 Min 1730# Still Increasing
- D. S. T. #2 - 9745' to 9834' - Penn Zone #1-2 4 Hr Test $4\frac{1}{2}$ " DP 5/8" Bottom & 1" Top Choke
Opened Tool w/strong blow air, gas in 6 Min, Salt Water 1 Hr, Gas Vol from
168,990 cfpd to 30,932 cfpd, Flowed .21 Bbls Oil, 3.83 Bbls Salt Water,
Reversed out 4 Bbls Oil, 38 Bbls Salt Water Recovered Below TC Valve 115'
Gas in DP, 3 Gal Oil, No Water BT CHART: HI 4695#, HO 4695#, IF 900#, FF
2574#, BU, 10 Min 20 Min & 30 Min 2598#
- D. S. T. #3 - 9845' to 9873' - Penn Zone 3 - 5 Hr Test $4\frac{1}{2}$ " DP, 5/8" Bot om & 1" Top Choke
Opened tool with strong blow air, gas in 3 min, mud & Oil in 35 Min
Flowed 40 Bbls Oil, 26 Bbls Water in 4 Hrs Gas Vol from 286,820 to 653,520
CFPD, Reversed out 55 Bbls Oil 25 Bbls Salt Water, Recovered below TC Valve
60' Oil & 10' Salt Water, BT CHART: HI 4695#, HO 4695#, IF 625#, FF 2034#
BU 10 Min 2492#, 20 Min 3683#, 30 Min 2872#, Still Increasing
- DS S. T. #4 - 9890' to 9922' Penn Zone #4 - 4 Hr Test 5/8" Bottom & 1" Top Choke
Opened tool w/strong blow air, gas in 23 min, Vol from 11,000cfpd to 6,848
cfpd, No Fluid to Surface, Recovered above TC Valve, 270' Oil & Gas Cut
DM Est 10% Oil, 10% Mud, 80% Gas, 180' Free Oil, 270' Oil & Gas Cut Salt
Water, Est 70% Salt Water 20% Oil, 10% Gas, Below TC Valve 60' Free Oil
& 30' Salt Water, Gravity 41.5 Corrected, BT CHART: HI & HO 4695#, IF 55#,
FF 160#, BU, 10 Min 1140#, 20 Min 1925#, 30 Min 2035#, Still increasing

SLOPE TEST

268'	1	Deg.
810'	1/4	
1355'	1/4	
2075'	3/4	
2500'	3/4	
3240'	1/4	
3780'	1	
4010'	1	
4625'	1/4	
5090'	1	
5540'	1-1/2	
6020'	1	
6545'	1-1/4	
7125'	1	
7635'	1	
8245'	1-1/4	
8790'	2-1/4	
9190'	2-1/4	
9510'	2-1/4	
9645'	2-1/2	

