

A. T. Hutcherson #1  
Cores & DST's

Core #1 - 12-22-60 - 9683-9695' - cut 12' - recovered 9' - 2 $\frac{1}{2}$ ' dense hard shale, 4 $\frac{1}{2}$ ' hard blue green shale, 2' - rotten blue green shale .

Core #2 - cut 9' - recovered 12' - 3' gray green and red shale, bottom 3' of core #1 - 1 $\frac{1}{2}$ ' tite gray lime - 2' porous lime w/good show. 5 $\frac{1}{2}$ ' tite gray lime.

DST #1 - 12-24 - 9690-9704' - pkrs failed pulled out of hole, layed down tools went in hole w/rerun bit, condition hole.

DST #1 - attempt #2 - 9672-9704' - 5/8" x 1/4" chokes, no water cushion, tool open 3 hours - good blow immediately and steady throughout test. Gas to surface in 50 min - recovered 480' hvy gas cut drilling mud w/faint trace oil - no free oil or water. BHP open 74-215# -

Core #3 - 12-26-60 - 9704-9706 $\frac{1}{2}$ ' - cut 2 $\frac{1}{2}$ ' - recovered 2' hard tite brown lime w/styalites - no porosity - no show.

Core #4 - 12-26-60 - 9706 $\frac{1}{2}$ -9711 $\frac{1}{2}$ ' - cut 5' - recovered 5 $\frac{1}{2}$ '. 2 $\frac{1}{2}$ ' hard tite lime, no show of oil or gas - 1' lime - vuggy porosity - 1' lime - pp porosity, scattered vugs. Slight fracture w/show of oil - 1' lime, vuggy pro. good show oil.

DST #2 - 12-28-60 - 9706 $\frac{1}{2}$ -9711 $\frac{1}{2}$ ' - 5/8" x 1/4" chokes - tool open 2 hours, fair flow immed. rec. 30' oil and gas cut drilling mud, 90' muddy salt water, 1200' salt water - chlorides 59,858 ppm. BHP, open 139#/609# - 30 min.

DST #3 - 12-30-60 - 9750-9758' - 5/8" x 1/4" chokes no wtr cushion, tool open 1 $\frac{1}{2}$  hours, good blow immed. Rec. 90' mud and muddy salt water. 5640' salt water, chl. 57364 ppm. BHP open 1771-2668.

DST #4 - 1-2-61 - 9833-9870' - 5/8" x 1/4" chokes no water cushion, open 2 min. before taking initial shut in press, weak blow immed. Rec. no gas - 285' fluffy mud either gas or air cut mud, no show of oil. BHP open 100#-167#.

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