

T.D. 13,567'. Plug-back depth 9900'.

Formation lime. Elevation 4302' DF. Derrick floor 11' above ground. Pay Wolfcamp 9754-9866'. Casing point 5 1/2" at 13,565'. Casing was perforated from 9754-9782' with 112 shots; 9814-9836' with 88 shots; 9846-9866' with 80 shots. On initial potential flowed 300 bbls. of 42 deg. gravity oil, no water in 4 hours, thru 3/4" choke on 2 1/2" tubing. TP 500#. CP 0# (packer). Daily potential 1800 bbls. oil with 2,668 MCF gas, GOR 1482. Estimated daily allowable 155 (top) bbls. oil, effective 3-28-55. Well was acidized with 2,000 gals. from 9814-9866', and 50 gals. gel block; with 3,000 gals. from 9754-9866' and 150 gals. gel block. Well was not shot. Pipe line connection: Gulf Pipe Line Company and Continental Pipe Line Co. Drilling completed 9-23-54. Date tested 3-30-55. Date drilling rig released 12 noon 10-15-54.

DST #1, 9612-9870', Wolfcamp, tool open 2 1/2 hours, gas to surface in 12 min., mud in 22 min., oil in 30 min. Flowed 131 bbls. oil in 2 hrs., no water, gas 2218 MCF per day. GOR 1411. Hydrostatic pressure 5250#. Flowing pressure 1950-2550#.

DST #2, 10,360-10,430', Lower Wolfcamp, tool open 1 hour, had weak blow of air thru out test. Recovered 465' mud cut sulphur water and 745' sulphur water, no oil or gas. Flowing pressure 75# to 625#. 15-minute shut-in BHP 3500#. Hydrostatic pressure 5550#.

DST #3, 11,323-11,460', Strawn Line formation, tool open 1 hour, weak blow of air for 38 minutes and died. Recovered 32' drilling mud, no oil, gas or water. Flowing pressure 0#. 15-minute shut-in pressure 0#. Hydrostatic pressure 6830#.

DST #4, 13,300-13,500', Devonian formation, tool open 1 1/2 hours. Fair blow air throughout test. Recovered 3500' water blanket, 100' gas-cut mud, with approximately 2,000' of gas in drill pipe, no oil or water. TP 1880-2240#. 15-minute shut-in BHP 5240#. Hydrostatic pressure 7800#.

DST #5, 13,306-13,566', Devonian formation, 3000' water blanket. Tool failed to open.

DST #6, 13,306-13,566', Devonian formation, tool open 3 hours, fair blow throughout test. Recovered 3150' to water blanket, cut with gas and slight trace oil, 2340' of mud-cut with gas, light trace oil and sulphur water, and 2000' of sulphur water. Flowing pressure 1920# to 3560#. 15-minute shut-in BHP 5200#. Hydrostatic pressure 7680#.

BEFORE PLUGGING BACK TO WOLF CAMP: Perforated 5 1/2" casing from 13,500-13,530' with 120 shots. Swabbed and recovered water load, no oil or gas. Acidized perforations with 200 gallons mud acid and 2,000 gallons 15% low-tension acid. After recovering fluid load, well swabbed 124 bbls. salty sulphur water in 6 hours, no oil or gas. Two attempts to squeeze perforations with 150 sacks cement failed. Plugged back depth 13,485'. Squeezed off perforations with 50 sacks cement. Perforated 5 1/2" casing from 13,434-13,475' with 164 shots. Swabbed 24 hours, recovered 6 bbls. oil, 113 bbls. water. Squeezed off perforations 13,434-13,475' with 50 sacks cement. Dropped on 10-18-54 pending study.