

**Table No. II-Log Interpretation –
Tony No. 1-12
Kingfisher County, OK**

Note: fraction representation is defined as net/gross. $R_w = .04$ in log calculations.

Perry Sd.	5,798'– 5,890' (92'/?). Only the top 32 feet was logged by the Density/Neutron. Within the 32 feet the Sd. has 26 feet above 8 % porosity, with a peak porosity in the 12.5 % range. The Drilling Mud Log carried 20 units gas show above background throughout the top 62 feet.
L/Layton Sd.	6,354-6,386' (12'/22'). A small gas show increase (20 units above background) appears to have come from the shale just above the sand. Three feet in the middle of the sand showing gas effect has a corrected 21 % porosity, $R_t = 2.5$ ohm-meters, resulting in calculated water saturation, $S_w = 53\%$ water.
Big Lime	7,030'-7,078' (16/48>05%). Interpretation of the open hole logs indicated 29 feet of interval showing gas effect. The Micro-Log indicates 21 feet of fair to good permeability. The Mud-Log indicates 120 gas unit increase over background (BG) in the top 4' then lost circulation to 7065' rendering no gas readings.
Oswego Ls.	7,080'-7,134' (34'/54' >05%). Log interpretation indicates 40 feet having gas effect, and approximately 20 feet having good to fair permeability. The Mud-Log indicates 20 unit gas increase over BG in top 8 feet.
Prue Sd.	7,162'-7,166' (5'/5"). Has 5 feet of 10 % porosity, $R_t = 50$ ohm-meters, with a calculated water saturation, $S_w = 26\%$. Has 5 feet indicates good permeability. The interval had a 38 units of gas above BG.
Red Fork Sd.	7,348'-7,352' (5'/5'). Has 5 feet of 8% porosity with gas effect, good permeability. The gas trap was bypassed through this interval. Using a porosity of 8 %, $R_t = 70$ ohm-meters, a water saturation, $S_w = 28\%$.

The following is based on mud log information and cased hole Neutron log. Halliburton was unable to log open hole below 7,472 feet.

Chester/Manning 7,538'-7,586' (47'). This interval appears to be predominately tite sand with visible porosity. The interval had 40 gas units above BG in top 15 feet. From 7,547'-7,573' (26') had a maximum gas show of 290 units. This interval looks to be interbedded sands and

shales, with 36 feet being sand having neutron average porosity of 18 %-20, with a peak porosity of 28 %.

Miss Ls. 7,594' to 8,074' (480'), has gas shows throughout. The Mud-Log indicated 220 units of gas throughout with up to a maximum gas show of 400 units. The Neutron Porosity varies from 2% to 18%.

Hunton 8,141'-8,250' (109'). Had maximum gas show of 350 gas units was in the top 12 feet of section. The upper most portion of the Hunton is believed to be dolomitic limestone. The samples had poor to fair intercrystalline porosity with yellow fluor, and weak oil cut. Unable to get open hole logs, and the cased hole logs only covered the upper part of the Hunton.