Ten-foot drilling time was recorded from the base of the surface pipe to 10,900' where two-foot drilling time was then recorded to the total driller's depth of 11,675'. Ten-foot samples were caught over the same interval and delivered to the Midland Sample Cut for processing. McNeese Logging Service monitored the mud system for oil and gas shows from 1500' to 5400' and from 9500' to total depth. Daily log sheets and a dried cut of the formation samples were prepared for each participant.

A sample log was also prepared with the ten-foot drilling time plotted from 1600' to 10,900' where five-foot time was then plotted to total depth. Lithology was described and plotted from 9800' to total depth; and the daily drilling progress, bits, mud properties, deviations, electric log tops, and drill stem tests were also posted on the log for a permanent record.

GUADALUPE SERIES (DELAWARE)

McNeese Logging Service commenced operations at 1500' and recorded the first zone of interest in a drilling break that occurred from 2640' to 2668'. Samples contained fine grained sandstone with the following gas readings: C_1 140, C_2 115, C_3 80, and C_4 22 units. This zone and others below it should be adjusted upward twenty feet in depth to correlate with the electric log. Porosity calculated 17% to 18% and water saturations 73% to 79%. It is considered a potential pay zone.

Another drilling break occurred opposite a very fine grained sand from 2900' to 2926'. Maximum gas readings were C_1 90, C_2 70, C_3 20, and C_4 8 units. This zone may also be a potential pay although the water saturation is in the 80% range.

Another drilling break with a fair increase in gas was also noted from 2976' to 3000'. This zone calculated 85% water saturation. The last significant zone occurred from 3550' to 3560' where gas readings were C_1 100, C_2 80, C_3 20, and C_4 7 units. Porosity calculated 16% and the water saturation 88% by electric logs.

Intermediate pipe was set at 5404' and cemented back to near surface for later completion attempts of the above zones.