

GEOLOGICAL & DST REPORT
EXXON FEDERAL COM.
WELL #1
EDDY COUNTY, NEW MEXICO

Ten foot drilling time was recorded from 2000' to 9850' where 2 foot drilling time was then kept to the total depth of 11,960'. A two foot drilling time log plotted on a 5-inch scale was prepared from 9850' to total depth to use as an overlay with the acoustic porosity log.

Circulation was lost at 727' with no returns, and therefore, no samples down to the intermediate casing point at 5600'. Ten foot samples were caught from 5600' to 11,490' where 5 foot samples were then caught to total depth. All samples were brought to Midland Sample Cut for distribution after being evaluated at the well site. A sample log incorporating the sample description and drilling time plus other pertinent data was prepared as a permanent record.

DELAWARE

No samples available due to lost circulation down to the Bone Spring limestone casing point at 5600'.

BONE SPRING SECTION

The Bone Spring section immediately under the intermediate pipe at 5600' consisted of typical brown, dark brown to dark gray-brown, fine crystalline, shaly limestone (micrite) with occasional dark gray shale breaks.

The 1st Bone Spring sandstone top was picked at 6200' by samples and drilling time; however, the main sand body was picked at 6240' by electric logs.

The 2nd Bone Spring sandstone was picked at 6660' by samples and drilling time and at 6670' by electric log.

The 3rd Bone Spring sandstone came in at 8200' by electric log but had been picked as high as 8040' by samples and drilling time.