



Chevron U.S.A. Inc.  
Eunice Monument South Unit #887  
Lea County, New Mexico

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#### PROCEDURES

The cores from your Eunice Monument South Unit #887 well in Lea County, New Mexico were picked up at the well site by Rotary Engineers Laboratory and transported to the laboratory in a CO<sub>2</sub> atmosphere.

A surface gamma log was taken of the entire core for downhole correlation.

Full Diameter samples were analyzed by CO<sub>2</sub>-Toluene Extraction.

Porosities were measured by Boyle's Law with Helium.

Horizontal and Vertical Permeabilities were measured with nitrogen by Hassler Permeameter. The core was oriented from 3864' to 4282'. North/South and East/West permeabilities were measured from samples at this interval. Also, additional Horizontal Permeabilities were measured at N30°W/S30°E and N60°E/S60°W. These additional permeabilities were selected by Chevron Geologist.

The waters were determined from a clipped-end piece that was crushed and extracted by Dean Stark method. The oils were determined from the clipped-end piece that was crushed and retorted.

Ultra-violet photographs were taken of the core as core came into the Lab. The core was slabbed and white-light photographs taken of the slabbed core.

Special core-analysis samples (SCALS) were selected by company representative. The field geologist also selected small chips at well site which were preserved in dry ice by Rotary and shipped to Chevron, Houston, Texas by U.P.S.

The data was provided to Chevron U.S.A. Inc. on a computer disk.

The remnant core and slabbed core was boxed and transported to Core Laboratories' warehouse at 2001 Commerce, Midland, Texas.