

YATES PETROLEUM CORPORATION  
Murphy NW Federal No. 1  
File No. 3202-12042  
Procedural Page

The cores were preserved at the wellsite in a CO<sub>2</sub> atmosphere and transported to Midland by Core Laboratories, Inc. personnel.

A Core Gamma Log was recorded for downhole E-log correlation.

Core analysis was made from intervals requested on full diameter samples:

Fluid removal and fluid saturations were determined using controlled temperature vacuum retort techniques.

Gas expansion porosity and grain density were determined using Boyle's Law.

Air permeability was measured in two horizontal directions while the core was held in a Hassler rubber sleeve.

The core was boxed after the analysis and remains at our Midland Lab as we await further disposition instructions.