

# CORE LABORATORIES

UNOCAL  
 NORTH MADURO FEDERAL #1  
 2310' FNL & 660' FEL, SEC. 20, T-19-S, R-33-E  
 LEA COUNTY, NEW MEXICO

Field : GEM (MORROW) FIELD  
 Formation : MORROW  
 Coring Fluid : SODA ASH; POLY AC MYLO JELAPI No. :  
 Elevation : 3642.6' KB

File No.: 57181-15596  
 Date : 5-9-88  
 Analysts: REINHHEIMER

## S I D E W A L L C O R E A N A L Y S I S R E S U L T S

| SAMPLE<br>REC.<br>in | DEPTH<br>ft | PERMEABILITY<br>(MAXIMUM)<br>Kair<br>md | POROSITY<br>(HELIUM)<br>% | SATURATION                |                             | SATURATION                |          | GRAIN<br>DENSITY<br>gm/cc | GAS<br>DETECTOR<br>UNITS | DESCRIPTION                     |
|----------------------|-------------|-----------------------------------------|---------------------------|---------------------------|-----------------------------|---------------------------|----------|---------------------------|--------------------------|---------------------------------|
|                      |             |                                         |                           | (PORE VOLUME)<br>OIL<br>% | (PORE VOLUME)<br>WATER<br>% | (BULK VOLUME)<br>OIL<br>% | GAS<br>% |                           |                          |                                 |
| 1.6                  | 13609.0     | 29.0                                    | 6.7                       | 0.0                       | 48.4                        | 0.0                       | 3.5      | 2.66                      | 0.                       | Sd mg clr sli lim sub-ang flu-0 |
| 2.0                  | 13615.0     | 182.                                    | 11.2                      | 0.0                       | 42.9                        | 0.0                       | 6.4      | 2.64                      | 0.                       | Sd mg clr sli lim sub-ang flu-0 |