

# CORE LABORATORIES

PETROLEUM RECOVERY RESEARCH CENTER

SULIMAR QUEEN UNIT 1-16

985' FNL & 257' FWL, SEC. 24, T-15-S, R-29-E

CHAVES COUNTY, NEW MEXICO

Field : SULIMAR FIELD

Formation : QUEEN

Coring Fluid : SALT MUD

Elevation : 3958' GL

File No.: 57181-16176

Date : 9-14-90

API No. :

Analysts: OLSON

## CORE ANALYSIS RESULTS

| SAMPLE NUMBER | DEPTH<br>ft | PERMEABILITY |           |           |             | POROSITY<br>(HELIUM)<br>% | SATURATION<br>(PORE VOLUME) |            | GRAIN DENSITY<br>gm/cc | DESCRIPTION |
|---------------|-------------|--------------|-----------|-----------|-------------|---------------------------|-----------------------------|------------|------------------------|-------------|
|               |             | 90 DEG<br>md | N/S<br>md | E/W<br>md | NE/SW<br>md |                           | OIL<br>%                    | WATER<br>% |                        |             |

CORE NO. 1 1984-2015 CUT 31' REC 31'

|     |              |  |  |  |  |  |  |  |  |  |
|-----|--------------|--|--|--|--|--|--|--|--|--|
| 1   | 1984.0- 88.0 |  |  |  |  |  |  |  |  |  |
| S   | 1988.0- 92.2 |  |  |  |  |  |  |  |  |  |
| S   | 1992.2- 93.0 |  |  |  |  |  |  |  |  |  |
| S** | 1993.0- 94.0 |  |  |  |  |  |  |  |  |  |
| S   | 1994.0- 95.0 |  |  |  |  |  |  |  |  |  |
| S   | 1995.0- 96.0 |  |  |  |  |  |  |  |  |  |
| S   | 1996.0- 97.0 |  |  |  |  |  |  |  |  |  |
| S   | 1997.0- 98.0 |  |  |  |  |  |  |  |  |  |
| S** | 1998.0- 99.0 |  |  |  |  |  |  |  |  |  |
| S*  | 1999.0- 00.0 |  |  |  |  |  |  |  |  |  |
| **  | 2000.0- 01.0 |  |  |  |  |  |  |  |  |  |
| S** | 2001.0- 02.0 |  |  |  |  |  |  |  |  |  |
| S** | 2002.0- 03.0 |  |  |  |  |  |  |  |  |  |
| S*  | 2003.0- 04.0 |  |  |  |  |  |  |  |  |  |
| *   | 2004.0- 05.0 |  |  |  |  |  |  |  |  |  |
| S   | 2005.0- 06.0 |  |  |  |  |  |  |  |  |  |
| *   | 2006.0- 07.0 |  |  |  |  |  |  |  |  |  |
| S   | 2007.0- 08.0 |  |  |  |  |  |  |  |  |  |
| S   | 2008.0- 09.0 |  |  |  |  |  |  |  |  |  |
| S   | 2009.0- 10.0 |  |  |  |  |  |  |  |  |  |
| *   | 2010.0- 10.2 |  |  |  |  |  |  |  |  |  |
|     | 2010.2- 12.7 |  |  |  |  |  |  |  |  |  |
| 19  | 2012.7- 13.0 |  |  |  |  |  |  |  |  |  |
| 20  | 2013.0- 14.0 |  |  |  |  |  |  |  |  |  |
| 21  | 2014.0- 15.0 |  |  |  |  |  |  |  |  |  |

|                             |  |  |  |  |  |  |  |  |  |  |
|-----------------------------|--|--|--|--|--|--|--|--|--|--|
| NA Sh salty v/dol           |  |  |  |  |  |  |  |  |  |  |
| NA Dol sli/anh              |  |  |  |  |  |  |  |  |  |  |
| NA Dol                      |  |  |  |  |  |  |  |  |  |  |
| Dol sli/shy sh lam          |  |  |  |  |  |  |  |  |  |  |
| Sd shy sh lam               |  |  |  |  |  |  |  |  |  |  |
| Sd sli/lam                  |  |  |  |  |  |  |  |  |  |  |
| Sd                          |  |  |  |  |  |  |  |  |  |  |
| Sd                          |  |  |  |  |  |  |  |  |  |  |
| Sd sh lam                   |  |  |  |  |  |  |  |  |  |  |
| Sd sh lam                   |  |  |  |  |  |  |  |  |  |  |
| Sd                          |  |  |  |  |  |  |  |  |  |  |
| Sd v/shy sh lam             |  |  |  |  |  |  |  |  |  |  |
| Sd shy sh lam F             |  |  |  |  |  |  |  |  |  |  |
| Sd shy sh lam               |  |  |  |  |  |  |  |  |  |  |
| Sd sh lam                   |  |  |  |  |  |  |  |  |  |  |
| Sd sli/shy sh lam           |  |  |  |  |  |  |  |  |  |  |
| Sd                          |  |  |  |  |  |  |  |  |  |  |
| Sd sli/shy sh lam           |  |  |  |  |  |  |  |  |  |  |
| Sd clay                     |  |  |  |  |  |  |  |  |  |  |
| Sd v/clay                   |  |  |  |  |  |  |  |  |  |  |
| Sd dol anhy shy             |  |  |  |  |  |  |  |  |  |  |
| NA Anhy                     |  |  |  |  |  |  |  |  |  |  |
| Sd sli/dol sli/shy sli/clay |  |  |  |  |  |  |  |  |  |  |
| Sd clay sli/shy             |  |  |  |  |  |  |  |  |  |  |
| Sd sli/shy sh lam           |  |  |  |  |  |  |  |  |  |  |

ACCEPTED FOR RE  
PETER W. CHESTER

MAY 7 1991

BUREAU OF LAND MANAGEMENT  
ROS WELL RESERCE AREA

APR 13 1991