

DRILLING MUD

1. Surface Hole -

Mud Type fresh water

Properties at Casing Point: Wt _____#/gal Visc _____ sec.

WL _____ sec.

2. Below Surface Casing -

Properties:

<u>Interval</u>	<u>Mud Type</u>	<u>Weight</u>	<u>PV/YP</u>	<u>Water Loss</u>
<u>0-3000</u>	<u>brine-saturated</u>	<u>10-10.2</u>	<u>X</u>	<u>X (Due to Salt)</u>
<u>3000-9500</u>	<u>fresh water</u>	<u>None</u>		
<u>9500-12000</u>	<u>brine water</u>	<u>10.2</u>	<u>None</u>	<u>None</u>
<u>12000-TD</u>	<u>Kcl Brine-Drispac</u>	<u>10.2</u>	<u>6/15</u>	<u>5cc</u>

*12.0 #/gal may be required for Wolfcamp-
Strawn-Atoka. No Potash brine should used
for drilling. From 9500-TD circulation
will be through metal pits and not reserve pit.

3. Remarks -

Centrifuge _____ Degasser _____ Diesel Content _____ %

after breakover Desander _____ Pit-O-Graph _____ X

HOLE DEVIATION:

1. Vertical Hole -

Limits of Deviation:

Interval	Maximum Deviation
0-13,500	5°

Surveys required every _____ 500 ft.

Maximum Change in Deviation: 1 °/100'.