

- 3) A few sacks of Dick's Mud Seal added to the drilling fluid system, while drilling the Sands and the Red Beds from 800' to casing point, will be beneficial in controlling filter cake build-up and drag in hole.
- 4) Three to four percent oil added to the drilling fluid system at 1,200' will be of some benefit in drilling this well.

Production: 9,800' of 4 1/2"

We suggest drilling out below intermediate casing with fresh water, circulating the reserve and using Caustic Soda for pH control (10.0 to 10.5 pH). This type drilling fluid should be sufficient to drill, core or test down to 6,080 or approximately 150' above Abo.

Note: If more desirable samples are required while drilling this interval, we suggest the addition of Flosal to the drilling fluid system.

Some operators prefer to take a water loss control (prior to coring operations) for core interpretations.

We do recommend sweeping the hole (when using water as a drilling medium) prior to any D.S.T..

At 6,080' (or approximately 150' above the Abo), we recommend mudding up with a low solids salt gel, oil type drilling fluid having the following characteristics:

Weight - 8.9 to 10.0 lbs./gal.  
Viscosity - 38 to 40 Sec./1000cc  
Water Loss - No Control  
Oil Content - 5 to 7%

This type drilling fluid should be sufficient to drill to 9,000', with the exception of viscosity which may need altering as hole conditions dictate.

At 9,000', we recommend taking a water loss control of the drilling fluid. We suggest the following drilling fluid characteristics:

Weight - 9.0 to 10.0 lbs./gal.  
Viscosity - 38 to 40 Sec./1000cc  
Water Loss - 10<sup>cc</sup> or less  
Oil Content - 5 to 7%  
Preservative Content - 1/4 lbs./bbl.

This type drilling fluid should be sufficient to drill, test or log to TD, with exception of weight and viscosity which may need altering as hole conditions dictate.