

December 7, 1972

2. There is a possibility you may encounter a large volume of water that will deem mist drilling impractical.

In the event a large volume of water is encountered, suggest loading hole with fresh water installing jet subs in the drilling string and aerate drilling fluid to casing point.

PRODUCTION: 12,500' of 5 1/2"

Suggest drilling out from under intermediate with air (dusting) with the possibility of mist drilling.

This type drilling fluid should be sufficient to drill to 8,800'.

COMMENT:

1. In the event water intrusion or hole conditions deem dust or mist drilling impractical, suggest loading hole with fresh water, install jet subs in drilling string and aerate drilling fluid to 8,800'.

At 8,800' suggest loading hole with brine water and circulating hole, checking for seepage or loss.

If no loss of drilling fluid occurs, suggest reducing hole size and drill to 10,500' with 10.0 lbs/gal. brine water, using Lime for pH control (10.0 to 11.0 pH).

At 10,500' suggest taking a water loss control of the drilling fluid with My-Lo-Jel. Suggest the following drilling fluid characteristics:

Weight:	10.0 to 10.2 lbs/gal.
Viscosity:	28 to 30 sec/1000 cc
Water Loss:	15.0 cc or less

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This type drilling fluid should be sufficient to drill to 12,500', with exception of weight and viscosity which may need altering as hole conditions dictate.

In the event a seepage or loss of drilling fluid occurs after loading hole with the 10.0 lbs/gal. brine water system at 8,800', suggest running 7 5/8" casing at 8,800', then drill out below 7 5/8" casing with 10.0 lbs/gal. brine water using Lime for pH control (10.0 to 11.0 pH).

At 10,500' suggest taking water loss control of the drilling fluid with My-Lo-Jel.

Suggest the following drilling fluid characteristics:

Weight:	10.0 to 10.2 lbs/gal.
Viscosity:	28 to 30 sec/1000 cc
Water Loss:	15.0 cc or less

This type drilling fluid should be sufficient to drill to 12,500' with exception of weight and viscosity which may need altering as hole conditions dictate.