

Mr. Jim Knauf
August 24, 1972
Page No. 2

10,000' - 10,800' Increase fluid weight with soda ash from 10 - 10.5#/gal. If pressures are encountered greater than 10.5#/gal. fluid will contain, increase mud weight with barite and lower fluid loss with impermex. Use prehydrated aquagel for viscosity and barite suspension.

10,800' - 12,000' Lower fluid loss of existing fluid with impermex and drispac to 5 cc or less, and increase viscosity to 33 - 36 while maintaining required mud weight of approximately 10.5#/gal.

Recommended Blow-Out Preventer Program:

It is recommended that a Cameron double stack 10" 5000 psi BOP, and 5000 psi Hydril be installed after the intermediate casing has been set. A remote Payne accumulator unit of 80 gallon capacity will be utilized. Accompanying installation of BOP and Hydril also a flow manifold and 2-3/8" kill line will be laid to the end of the catwalk. Prior to drilling out 9-5/8" casing shoe, the BOP, casing, kill line and manifold will be pressure tested to 3500 psi.

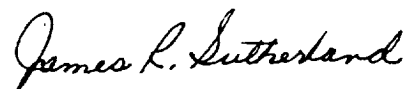
Operational tests of BOP's will be made before all DST's, blind rams will be tested each trip and pipe rams each tour.

If pressure control is critical with afore outlined mud program, pit level alarm system, de-gasser, and SWACO choke control equipment will be installed.

If any additional information can be furnished or if any clarification is needed on the recommended programs outlined, please contact this office.

Very truly yours,

J.M. HUBER CORPORATION



James R. Sutherland
District Production Supt.

JRS:mt