

AMERICAN QUASAR PET CO OF NEW MEXICO

#1 Dune Unit Federal

American Quasar
15,000 Morrow Prospect
Sec. 6, Twp. 24S, Rng. 31E
Eddy County, New Mexico

Recommended Mud & Casing Program

0-500' - Spud mud consisting of AQUAGEL flocculated with lime. Wt 8.5/9.0

Surface casing - 20" @ 500 - 26" Hole

500'-4050' - clear brine water. Use FLOSAL sweeps as required for hole cleaning. Use BEN-EX or flocculant to keep water clear. Wt. 9.8/10.0

1st Intermediate casing 13 3/8" @ 4050' - 17 1/2" Hole

4,050-12,500 - Clear fresh water, continue FLOSAL sweeps as required. At around 9000' pressure may require the addition of brine for dens

2nd Intermediate Casing 9 5/8" @ 12,500 - 12 1/2" Hole

12,500-15,000' - Brine polymer mud, DEXTRID, DRISPAC for filtration and hole cleaning. Adjust weight as required.

Liner - 7 5/8" 12,200-15,000

Estimated cost of mud program will be \$50,000-\$60,000.

This program is designed to give maximum hole stability and formation protection, rate of penetration and geological data recovery, while maintaining density to control expected formation pressure and reology for hole cleaning while maintaining the ECD as low as possible.

RECEIVED
AUG 24 1973
U. S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO