

MARRS MUD, INC.

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OCTOBER 10, 1980

Carl Bizzell
Depco, Inc.
800 Central
Odessa, Tx. 79761

Dear Mr. Bizzell;

Thank you for the opportunity to be of service to you and Depco, Inc.

The following is our suggested drilling fluid program with casing and estimated mud cost for your well, Apache Springs Unit No. 2 to be drilled in Section 27, T-11S, R-30E, Chaves County, New Mexico.

Surface: 350' of 13 3/8"

We suggest water to which fresh water gel and lime are added to be used to spud and drill surface.

We do not anticipate trouble in this interval.

Intermediate: 2,590' of 8 5/8"

We recommend drilling out below surface with the spud mud used in the surface hole, converting to a native mud as drilling progresses.

We suggest controlling the native mud viscosity at 33 to 35 Sec./1000cc.

For any unanticipated hole trouble, fishing, coring, testing, etc., we suggest taking a water loss control of the drilling fluid system. We recommend the following characteristics:

Weight - 10.0 to 10.4 lbs./gal.
Viscosity - 34 to 37 Sec./1000cc
Water Loss - 15cc or less

Comments:

- 1) The Red Bed section in this area is, and can be, very troublesome, therefore, we suggest maintaining a 33 to 35 Sec./1000cc viscosity native mud.
- 2) We suggest staying in steel pits while drilling intermediate section of hole.