

Mancobar

CHILLING FLUID SERVICES

OILFIELD PRODUCTS DIVISION
Dresser Industries, Inc.SOUTHERN UNION PRODUCTION COMPANY
NEW MEXICO

July 31, 1973

Mr. Howard Moore
Southern Union Production Company
8350 North Central Expressway
Dallas, Texas 75206

Typical

Dear Mr. Moore:

The following is a suggested drilling fluid program for re-entering and drilling from 8,000' to 11,000' your Shelby #1 in Section 13-22S-24E, Eddy County, New Mexico.

8 5/8" casing set at 3,500'

Suggest drilling cement plugs and cleaning out to 8,000' with fresh water utilizing old mud in hole to maintain the following drilling fluid characteristics:

Weight:	8.8 to 9.3 lbs/gal.
Viscosity:	34 to 38 sec/1000 cc
Water Loss:	20.0 cc or less
Initial Gel:	0
10 Min. Gel:	0 to 5
pH:	9.0 to 10.0

NOTE: This well was P&A 1-30-68. There is a good possibility the drilling fluid left in hole is dehydrated. Suggest circulating out and condition the drilling fluid each 2,000' to prevent breaking down weak zones and losing circulation due to hydrostatic pressures.

At 8,000' suggest conditioning the drilling fluid system to the following characteristics:

Weight:	9.0 to 9.3 lbs/gal.
Viscosity:	38 to 40 sec/1000 cc
Water Loss:	10.0 cc or less
Initial Gel:	0
10 Min. Gel:	0 to 5
pH:	9.0 to 9.5

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This type drilling fluid should be sufficient to drill to 11,000', with exception of weight and viscosity which may need altering as hole conditions dictate.