

March 2, 1973

Midwest Oil Corporation
1500 Wilco Building
Midland, Texas

Attention: John Pulte

Gentlemen:

The following is a suggested drilling, mud and pipe program for your re-entry of the Union of California Well in Sec. 23-223-12-E, Eddy County, New Mexico.

SURFACE STRING: (244' of 13-3/8")
Already Set.

INTERMEDIATE STRING: (1901' of 8-5/8")
Already Set.

PRODUCTION STRING: (10,000' of 5-1/2") (Old T.D. 7591')

1. Clean out with existing mud and fresh water to old T.D.
2. There was some seepage in old hole. Paper and Fiber should be added to control this.
3. At 7591', condition mud to drill ahead with fresh water mud, with the following characteristics:

Weight	8.5 to 8.6 lbs/gal
Viscosity	40-50
Water Loss	10 cc or less

4. At 9500', improve the mud characteristics to the following:

Weight	9.0 to 9.1 lbs/gal
Water Loss	5-6 cc or less
Viscosity	45-55 cc
Initial Gel	0 to 1
10 Min Gel	0 to 5
pH	9 to 10.5

COMMENTS FOR PRODUCTION STRING:

1. Viscosity should be raised to 50-60 to test and log.
2. The 9.1 lb. weight should control and reasonable pressures in this general area. Barite may be added for abnormal pressures.