

EXHIBIT F
SUMMARY

Sanders Oil & Gas Company
Mesa Diablo Federal Well No. 1
660' FSL and 660' FEL
Section 35 T.9S R.25E
Chaves County, New Mexico

Cement volumes based on bit size less pipe size plus 100% excess.
Should cement not circulate or be close enough to fill up with
ready mix cement, it will be required to 1-inch cement to surface.

Additional equipment and material charges will apply.

Should lost circulation be a major problem, an additional 500
sacks of the cement system should be planned for. The 500 sacks
will be used to top out if needed.

Estimated cost for the additional 500 sacks system -- 5955.00

SURFACE PIPE: 8-5/8" Casing in 12-1/4" Hole Drilled to 900'
Cement to Circulate.

CASING HARDWARE:

- 1 -- 8-5/8" Cement or Swirl Guide Shoe
- 1 -- 8-5/8" Insert Flapper Float
- 4 -- 8-5/8" Centralizers
- 1 -- 8-5/8" Top Rubber Wiper Plug
- 1 -- Thread Locking Kit

CEMENT SYSTEMS:

FILLER CEMENT: 550 Sacks Class "C" Cement

- 4% D20 Gel
- 10 lbs D24 Gilsonite
- .25 lbs D29 Cellophane Flakes
- 2% Sl Calcium Chloride

TAIL-in-CEMENT: 200 Sacks Class "C" Cement

- 2% Sl Calcium Chloride

COST ESTIMATE: \$14,550.00

CEMENT PROPERTIES:

	I	II
Weight:	13.3 PPG	14.8 PPG
Yield:	1.84' 3/sx	1.54' 3/sx
Mix Water:	9.12 GPS	7.23 GPS