

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

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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.

PRODUCTION PIPE: 4-1/2" Casing in 7-7/8" Hole Drilled to 4500'  
Tail-in Cement to cover ABO Formation and Filler  
Cement to Cover 600' above.

CASING HARDWARE:

- 1 -- 4-1/2" Flapper Float Shoe
- 1 -- 4-1/2" Flapper Float Collar
- 6 -- 4-1/2" Centralizers
- 1 -- 4-1/2" Top Rubber Wiper Plug
- 1 -- Thread Locking Kit

CEMENT SYSTEMS: Pump 20 Barrels CW100 Chemical Wash Ahead of Cement.

FILLER CEMENT: 120 Sacks Class "C" Cement  
4% D20 Gel  
10 lbs D24 Gilsonite  
.25 lbs D29 Cellophane Flakes  
2% S1 Calcium Chloride

TAIL-in-CEMENT: 135 Sacks Dowell 10/8 Self-Stress Expanding Cement  
1.0% D60 Fluid Loss Additive  
2.0% S1 Calcium Chloride

Cost Estimate: \$6,500.00

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

Cement volumes based on bit size less pipe size plus 50% excess.  
Actual cement volumes should be based on caliper survey plus 20%  
excess. Displace cement with 2% KCl to have recommended comple-  
tion fluid in hole.