

Bureau of Land Management
Application for Permit to Drill Worksheet
Saddle 34 Federal Com, Well No. 1
Lea County, New Mexico

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CEMENT PROGRAM (CONTINUED)

PRODUCTION CASING: 5-1/2" @ 13,000'

LEAD: 910 CU FT / 580 SXS
TAIL: 460 CU FT / 345 SXS
TOTAL: 1370 CU FT / 925 SXS

LEAD: 15/61/11 POZ CLASS "C" CSE + 8 #/SK GILSONITE + .5% FL25 +
.5% FL52 MIXED WITH 7.14 GPS FRESH WATER @ 13.2 PPG AND
YIELD 1.57 CU FT/SX

TAIL: CLASS "C" + .7% FL25 MIXED WITH 6.29 GPS FRESH WATER @
14.8 PPG AND YIELD 1.33 CU FT/SX

CALCULATED TOP OF CEMENT: 7,000'
CALCULATED CEMENT FILL: 6,000'

Additional additives will be used to either/or retard cement, accelerate the cement, control loss circulation and control fluid loss. All cementing will be done in accordance with API cementing practices.

Anticipated cement tops will be reported as to depth, not the expected number of sacks of cement to be used. Torch Operating Company will notify the District Office, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.