

Bureau of Land Management
Application for Permit to Drill Worksheet
Holster 33 Federal Com, Well No. 1
Lea County, New Mexico

Page Four

5. CEMENT PROGRAM

SURFACE CASING: 13-3/8" @ 1000'

LEAD: 970 CU FT / 490 SXS
TAIL: 400 CU FT / 300 SXS
TOTAL: 1370 CU FT / 790 SXS

LEAD: 35/65 POZ CLASS "C" + 2% CaCl + 6% BENTONITE GEL + .25%
#/SX CELLOFLAKES MIXED WITH 10.75 GPS FRESH WATER @
12.5 PPG AND YIELD 1.97 CU FT/SX.

TAIL: CLASS "C" + 2% CaCl MIXED WITH 6.36 GPS FRESH WATER @
14.8 PPG AND YIELD 1.34 CU FT/SX.

CALCULATED TOP OF CEMENT: SURFACE
CALCULATED CEMENT FILL: 1000'

INTERMEDIATE CASING: 9-5/8" @ 5,000'

LEAD: 2500 CU FT / 1340 SXS
TAIL: 600 CU FT / 450 SXS
TOTAL: 3100 CU FT / 1790 SXS

LEAD: 35/65 POZ CLASS "C" + 1% CaCl + 6% BENTONITE GEL + 4 #/SX
GILSONITE MIXED WITH 9.65 GPS FRESH WATER @ 12.7 PPG
AND YIELD 1.87 CU FT/SX.

TAIL: CLASS "C" + 1% CaCl MIXED WITH 6.34 GPS FRESH WATER @
14.8 PPG AND YIELD 1.34 CU FT/SX

CALCULATED TOP OF CEMENT: SURFACE
CALCULATED CEMENT FILL: 5000'