

PROPOSED CASING & CEMENTING PROGRAM

Malaga C Well No. 3

13 3/8" 48 lb/ft H-40 Surface Casing Set at 625' - 17 1/2" Hole:

Circulate to surface with 600 sacks of Class "C" + 2% CaCl_2 .

Slurry Weight:	14.8 ppg
Slurry Yield:	1.32 ft ³ /sx
Water Requirement:	6.3 gals/sx

9 5/8" 36 lb/ft J-55 Intermediate Casing Set at 2700' - 12 1/4" Hole:

Lead: 400 sx Class "C" + 20% Diacel "D" + 3% Salt. TOC = Surface.

Slurry Weight:	12.0 ppg
Slurry Yield:	2.79 ft ³ /sx
Water Requirement:	16.1 gals/sx

Tail: 150 sx Class "C" Neat.

Slurry Weight:	14.8 ppg
Slurry Yield:	1.32 ft ³ /sx
Water Requirement:	6.2 gals/sx

7" 23 & 26 lb/ft J-55 & L-80 Production Casing Set at 10500' - 8 1/2" Hole:

350 sx Class "H" + Retarder/Fluid Loss Additives as required.
TOC = 8000'.

Slurry Weight:	15.6 ppg
Slurry Yield:	1.18 ft ³ /sx
Water Requirement:	5.6 gals/sx

4 1/2" 13.5 lb/ft L-80 Production Liner Set at 12200' - 6 1/8" Hole:

300 sx Class "H" + Retarder/Fluid Loss Additives as required.
TOC = 9700' (Top of liner).

Slurry Weight:	15.6 ppg
Slurry Yield:	1.18 ft ³ /sx
Water Requirement:	5.6 gals/sx