

PROPOSED CEMENT PROGRAM

Royal A Well No. 2

13 3/8" 48 lb/ft H-40 Surface Casing Set at 350' - 17 1/2" Hole:

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

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

8 5/8" 24 lb/ft K-55 Intermediate Casing Set at 1350' - 11" Hole:

Lead: 200 sx Class "C" + ~~20% Diacel "D"~~ + ~~3% Salt~~. Desired TOC =
Surface. *6% only* *No*

Slurry Weight:	12.0 ppg ₃
Slurry Yield:	2.69 ft ³ /sx
Water Requirement:	15.5 gals/sx

Tail: 150 sx Class "C" Neat.

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

5 1/2" 15.5 & 17 lb/ft K-55 Production Casing Set at 9700' - 7 7/8" Hole:

Lead: 400 sx Class "C" + 20% Diacel "D". Desired TOC = 5000'.

Slurry Weight:	12.0 ppg ₃
Slurry Yield:	2.69 ft ³ /sx
Water Requirement:	15.5 gals/sx

Tail: 250 sx Class "H" + 1.25% Diacel FL. Desired TOC = 8700'.

Slurry Weight:	15.6 ppg ₃
Slurry Yield:	1.18 ft ³ /sx
Water Requirement:	5.2 gals/sx