

PROPOSED CASING & CEMENTING PROGRAM

Vacuum Glorieta East Unit 2-11

8 5/8" 24 lb/ft J-55 Surface Casing Set at 1575' - 12 1/4" Hole:

Lead: 450 Class "C" + 4% Gel + 2% CaCl<sub>2</sub>. Desired TOC = Surface.

Slurry Weight:	13.5 ppg
Slurry Yield:	1.72 ft <sup>3</sup> /sx
Water Requirement:	9.06 gals/sx

Tail: 200 sx Class "C" + 2% CaCl<sub>2</sub>. Desired TOC = 1250'.

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

5 1/2" 15.5 lb/ft J-55 Production Casing Set at 6300' - 7 7/8" Hole:

Set stage tool at 5200'.

1st Stage:

300 sx Class "C" 50/50 Poz. Desired TOC = 5200'.

Slurry Weight:	14.6 ppg
Slurry Yield:	1.15 ft <sup>3</sup> /sx
Water Required:	5.0 gal/sx

2nd Stage:

Lead: 1000 sx Class "C" 65/35 Poz + 6% Gel + 3% Salt. Desired TOC = Surface.

Slurry Weight:	12.8 ppg
Slurry Yield:	1.85 ft <sup>3</sup> /sx
Water Requirement:	9.9 gals/sx

Tail: 300 sx Class "C" 50/50 Poz. Desired TOC = 4000'.

Slurry Weight:	14.6 ppg
Slurry Yield:	1.15 ft <sup>3</sup> /sx
Water Required:	5.0 gal/sx