

PROPOSED CASING & CEMENTING PROGRAM

Vac Abo Well No. 14-05

13 3/8" 54.5 lb/ft J-55 Surface Casing Set at 1600' - 17 1/2" Hole:

Circulate to surface with 1200 sacks of Class "C" + 2% CaCl<sub>2</sub>.

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

8 5/8" 24 & 32 lb/ft J-55 Intermediate Casing Set at 5200' - 12 1/4" Hole:

Lead: 1400 sx Class "C" 65/35 Poz + 6% Bentonite + 5% Salt.

Slurry Weight:	13.2 ppg
Slurry Yield:	1.70 ft <sup>3</sup> /sx
Water Requirement:	8.8 gals/sx

Tail: 150 sx Class "C" Neat.

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

5 1/2" 15.5 & 17 lb/ft J-55 Production Casing Set at 9100' - 7 7/8" Hole:

Set stage tool at 8000'.

1<sup>st</sup> Stage: 200 sx Class "H" Neat. Desired TOC = 8000'.

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

2<sup>nd</sup> Stage:

Lead: 300 sx Class "C" + 20% Diacel "D". Desired TOC = 4700'.

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

Tail: 150 sx Class "C" Neat.

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