

PROPOSED CASING & CEMENTING PROGRAM

South Four Lakes Well No. 10

13 3/8" 48 lb/ft H-40 Surface Casing Set at 400' - 17 1/2" Hole:

Circulate to surface with 700 sacks of Class "C" + 2%  $\text{CaCl}_2$ .

|                    |                          |
|--------------------|--------------------------|
| 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 K-55 Intermediate Casing Set at 4200' - 12 1/4" Hole:

Lead: 1200 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 K-55 & N-80 Prod. Casing Set at 10600' - 7 7/8" Hole:

Set stage tool at 8500'.

1<sup>st</sup> Stage: 400 sx Class "H" Neat. Desired TOC = 8500'.

|                    |                         |
|--------------------|-------------------------|
| 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: 500 sx Class "C" + 20% Diacel "D". Desired TOC = 3700'.

|                    |                          |
|--------------------|--------------------------|
| 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              |

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