Sovereign Oil Company Sovereign 32-6 #1 1730' FNL 900' FWL Sec. 9, T32N, R6W

Based on the data from the Eastman Whipstock report:

1. The Measured Depth at the True Vertical Depth of 2752 feet is interpolated to be 2775 feet as follows:

$$2752.00 - 2713.67 = 38.33$$
 $2774.82 - 2713.67 = 61.15$ 
 $38.33$ 
 $61.15 = .6268$ 

2. The bottomhole location at 2752' TVD is calculated as follows:

$$2775 - 2736 = 36$$
 $2798 - 2736 = 62$ 
 $36$ 
 $62$ 
 $629$ 

3. The Measured Depth at the True Vertical Depth of 3020 feet is interpolated to be 3046 feet as follows:

$$3020.00 - 2897.18 = 122.84$$
  $122.82$   $123.51$   $= .9944$ 

4. The bottomhole location at 3020' TVD is calculated as follows:

$$3046 - 2922 = 124$$
 $3047 - 2922 = 125$ 
 $124 = .992$ 

