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February 24, 2003

Deviation Report  
Bois d' Arc Divide 22 # 1  
750' FSL, 1650' FWL, Unit N,  
T21NR05W, Sandoval County, New Mexico

N-22-21N-5W

I, Thomas E. Mullins, attest to the accuracy of the following deviation survey. Surveys were taken during drilling operations, that agree with these figures.

This survey was run on a Schlumberger cased hole GR-CET log dated June 5, 2002. It contains a reading every 1/2 foot.

The following is a summary of the hole deviations

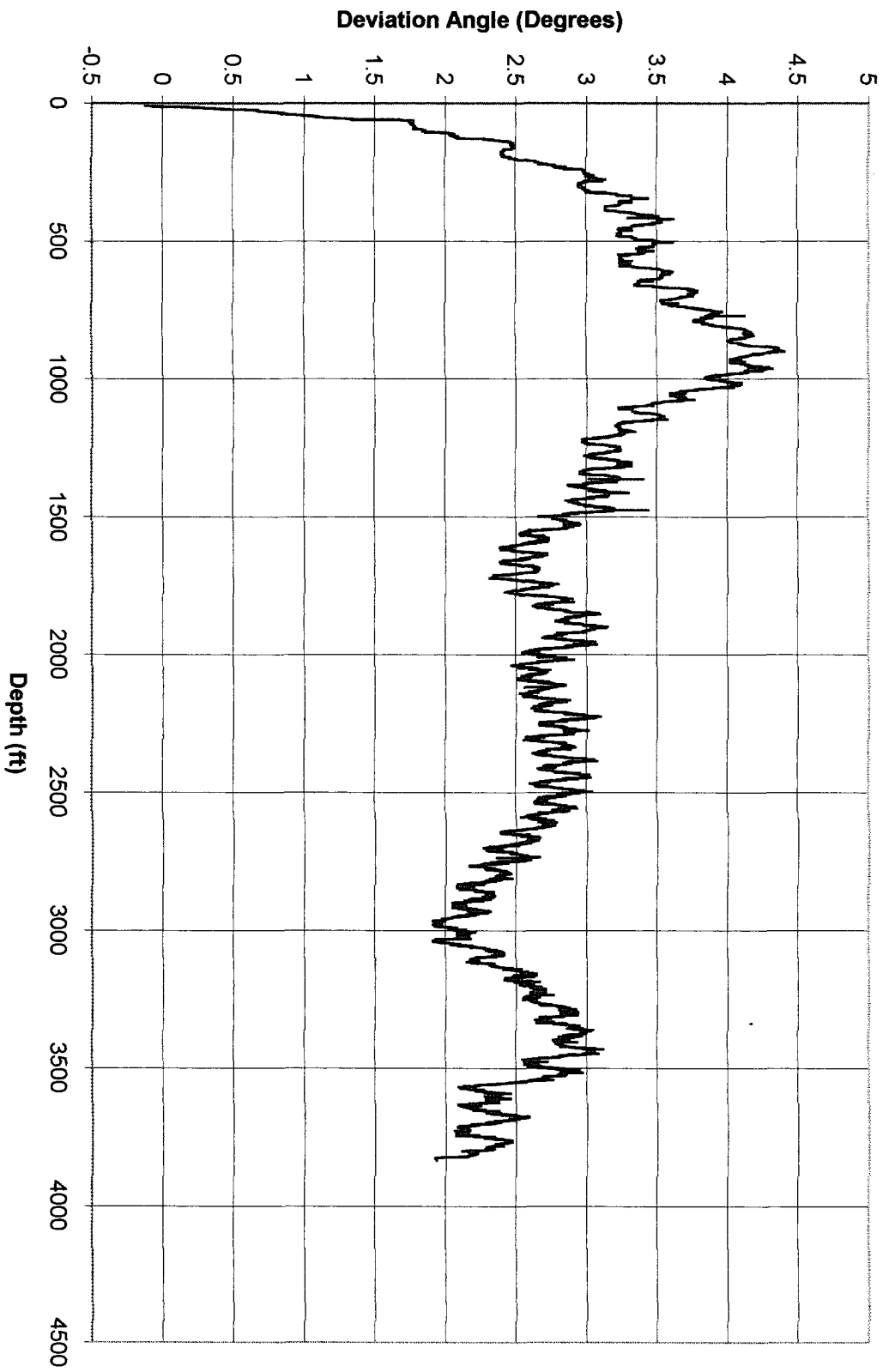
|       |              |
|-------|--------------|
| 250'  | 2.98 degrees |
| 500'  | 3.5 degrees  |
| 750'  | 3.8 degrees  |
| 1000' | 3.8 degrees  |
| 1500' | 2.7 degrees  |
| 2000' | 2.6 degrees  |
| 2500' | 2.9 degrees  |
| 3000' | 2.1 degrees  |
| 3500' | 2.79 degrees |
| 3822' | 2.0 degrees  |



Best regards,

Thomas E. Mullins  
Engineering Manager

Bois d' Arc Divide 22 # 1  
Deviation vs Depth



— DEVI

1/4 2  
2-24-2003