

WELL NAME AND NUMBER South Empire Deep No. 18

LOCATION 1980/N&W Section 30, T17S, R29E, Eddy County, New Mexico  
(New Mexico give U.S.T&R: Texas give S, BLK, SURV. and TWP)

OPERATOR Harvey E. Yates Company

DRILLING CONTRACTOR MORANCO

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees and Depth</u>	<u>Degrees and Depth</u>	<u>Degrees and Depth</u>	<u>Degrees and Depth</u>
<u>1/4 125</u>	<u>1 4007</u>	<u>1 7162</u>	<u>                    </u>
<u>1/2 400</u>	<u>1 3/4 4500</u>	<u>1 1/2 7335</u>	<u>                    </u>
<u>3/4 900</u>	<u>1 3/4 4801</u>	<u>1 7669</u>	<u>                    </u>
<u>1/4 1220</u>	<u>2 5060</u>	<u>1 1/2 7860</u>	<u>                    </u>
<u>1/2 1573</u>	<u>2 5331</u>	<u>1 8075</u>	<u>                    </u>
<u>1 2010</u>	<u>2 1/2 5521</u>	<u>1/2 8491</u>	<u>                    </u>
<u>1 2260</u>	<u>2 1/2 5644</u>	<u>1/2 8998</u>	<u>                    </u>
<u>3/4 2557</u>	<u>2 1/2 5900</u>	<u>1 1/4 9143</u>	<u>                    </u>
<u>3/4 2895</u>	<u>2 6216</u>	<u>1 1/4 9629</u>	<u>                    </u>
<u>1/2 3186</u>	<u>2 6436</u>	<u>1 10,131</u>	<u>                    </u>
<u>1 3360</u>	<u>2 6480</u>	<u>3/4 10,446</u>	<u>                    </u>
<u>1 1/4 3691</u>	<u>2 6751</u>	<u>1 3/4 11,010</u>	<u>                    </u>

Drilling Contractor MORANCO

By Jerry Gilbert

Jerry Gilbert, Drilling Engineer

Subscribed and sworn to before me this 19 day of May 19 78

