

WELL NAME AND NUMBER South Empire DU No. 13

LOCATION 1432/W 660/S 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, Inc.

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>1/4 208</u>	<u>2 5000</u>	<u>1 10,700</u>	<u> </u>
<u>1/2 708</u>	<u>2 3/4 5490</u>	<u>1 11,060</u>	<u> </u>
<u>1 1/4 1120</u>	<u>3 5730</u>	<u> </u>	<u> </u>
<u>1 1/4 1496</u>	<u>2 3/4 6100</u>	<u> </u>	<u> </u>
<u>1 3/4 1800</u>	<u>4 1/2 6680</u>	<u> </u>	<u> </u>
<u>2 2115</u>	<u>5 1/2 7020</u>	<u> </u>	<u> </u>
<u>1 1/2 2657</u>	<u>5 3/4 7550</u>	<u> </u>	<u> </u>
<u>1 1/2 2900</u>	<u>5 8136</u>	<u> </u>	<u> </u>
<u>1 3325</u>	<u>2 3/4 8693</u>	<u> </u>	<u> </u>
<u>2 3870</u>	<u>2 1/4 9165</u>	<u> </u>	<u> </u>
<u>2 4170</u>	<u>2 1/2 9550</u>	<u> </u>	<u> </u>
<u>2 4518</u>	<u>2 10,087</u>	<u> </u>	<u> </u>

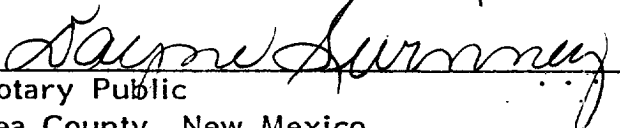
Drilling Contractor MORANCO

By 
Jerry Gilbert, Drilling Engineer

Subscribed and sworn to before me this 14th day of April 19 77

My Commission expires:

April 1, 1978


Notary Public
Lea County, New Mexico