

WELL NAME AND NUMBER Rifle Federal No. 1

LOCATION 510/N 2180/E Section 29, T21S, R26E, Eddy County, New Mexico
(New Mexico give U.S.T&R: Texas give S, BLK, SURV. and TWP)

OPERATOR Hanagan Petroleum Corporation

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:

Degrees and Depth	Degrees and Depth	Degrees and Depth	Degrees and Depth
<u>1/4</u> <u>493</u>	<u>1/2</u> <u>6914</u>		
<u>1</u> <u>870</u>	<u>3/4</u> <u>7503</u>		
<u>2 1/4</u> <u>1319</u>	<u>3/4</u> <u>8136</u>		
<u>1</u> <u>1920</u>	<u>1/2</u> <u>8616</u>		
<u>1/2</u> <u>2368</u>	<u>2 1/4</u> <u>9157</u>		
<u>3/4</u> <u>2876</u>	<u>2 1/4</u> <u>9640</u>		
<u>1 1/4</u> <u>3290</u>	<u>2 1/4</u> <u>10,130</u>		
<u>2 1/2</u> <u>4417</u>	<u>2 1/4</u> <u>10,450</u>		
<u>2</u> <u>4922</u>	<u>1 1/4</u> <u>11,010</u>		
<u>1 1/4</u> <u>5426</u>	<u>1 1/2</u> <u>11,300</u>		
<u>1</u> <u>6003</u>			
<u>1/2</u> <u>6414</u>			

Drilling Contractor MORANCO

By Jerry Gilbert
Jerry Gilbert, Drilling Engineer

Subscribed and sworn to before me this 28th day of February 19 77

My Commission expires:

April 1, 1978

Laurea Larmann
Notary Public
Lea County, New Mexico

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