

WELL NAME AND NUMBER

Federal No. 1

LOCATION 660' North, 660' West, Section 3, T-18-S, R-31-E, Eddy County, N. Mex.
(New Mexico give U,S,T & R; Texas give S,Blk.,Sur.& Twp.when required)

OPERATOR Pennzoil Company

DRILLING CONTRACTOR Sharp Drilling Company

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MAR 11 1968
U.S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

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 @ Depth	Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
1 1/2 275'	1 3/4 5190'	1 1/4 9785'	1 12,274'
1 1/4 740'	1 3/4 5605'	1 1/2 9859'	1 3/4 12,575'
1 1/2 1140'	2 1/4 6055'	1 1/2 9992'	1 1/2 12,834'
2 1930'	2 1/2 6350'	1 10,097'	1 1/2 12,985'
1 1/2 2282'	3 3/4 6783'	1 1/2 10,491'	
1 1/2 2646'	3 1/2 7100'	1 10,720'	
1 1/2 3148'	3 1/4 7220'	1 1/2 11,008'	
1 1/4 3382'	2 7740'	1 1/4 11,135'	
2 3570'	1 1/2 8170'	2 11,438'	
1/4 3850'	1 1/2 8640'	2 11,709'	
2 4140'	1 1/4 8900'	2 1/4 11,783'	
1 1/4 4450'	1 1/4 9096'	2 11,857'	
1 1/2 4730'	1 1/4 9580'	2 12,174'	
1 5240'	1 3/4 9726'	1 1/4 12,270'	

Drilling Contractor Sharp Drilling Company

By R. E. Throckmorton
R. E. Throckmorton

Subscribed and sworn to before me this 29th day of February 19 68

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MAR 12 1968

My Commission Expires:

June 1, 1969M. U. C.
ALBUQUERQUE, OFFICE

Notary Public

Midland County, Texas