

Heavy metal 14 Fed #1

LOCATION
LEASE & WELL

Sec 18, 19S, 31E Lea County, New Mexico
(Give Unit, Section, Township and Range)

OPERATOR

Santa Fe Energy 550 W. Texas, Suite 1330 Midland, Texas 79701
Attn: Michael R. Burton

DRILLING CONTRACTOR

NABORS DRILLING USA, INC.

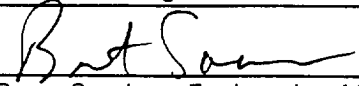
The Undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

DEGREES @ DEPTH	DEGREES @ DEPTH	DEGREES @ DEPTH	DEGREES @ DEPTH
1/4 146	1 1/4 4442	2 1/4 11010	
1/2 352	1 4907	2 11510	
1/4 585	1 1/2 5406	2 11806	
3/4 888	3/4 5901		
1 1137	3/4 6400		
3/4 1418	3/4 6895		
3/4 1792	3/4 7391		
1 2292	3/4 7751		
1/2 2787	3/4 8197		
1/2 3034	1/4 8696		
1 3435	1 1/2 9070		
1 1/4 3530	3/4 9540		
2 3842	1 1/2 10033		
3 1/4 4122	2 1/2 10533		
2 3/4 4225	2 1/2 10599		


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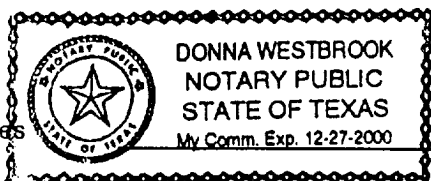
By


Brent Sanders, Engineering Manager

Subscribed and sworn to before me this 23rd day of October, 1997


Notary Public

My Commission Expires



MIDLAND

County

TEXAS