

Well Name and Number: Bertha Barber 16 [#] 214015 9 16501w Unit K
Location: ~~Sec 5, T19S, R36E~~, Lea County, New Mexico
Operator: ~~Sec 5, T20S, R37E~~ Marathon Oil Company 30-025-33919

Drilling Contractor: McVay Drilling Company

The undersigned 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
¼ 443	¾ 6475	
½ 718	½ 6820	
¼ 1184	1 6944	
2 2337	½ 7416	
1 ¾ 2401	1 7762	
1 ½ 2735		
1 ¾ 3231		
1 ¾ 5057		
1 ½ 5244		
½ 5467		
1 ¼ 5753		
1 6123		

Drilling Contractor: McVay Drilling Company
By: Joe Hays Jr

Subscribed and sworn to before me this 10th day of June, 1997.

Jim Hays
Notary Public

My Commission Expires: 8-16-97

Lea County, New Mexico

RECEIVED

JUN 20 1997

NORTHWEST OPERATIONS