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OPERATOR ARCO Oil and Gas Company

DRILLING CONTRACTOR MORANCO Drilling, 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:

<u>Degrees and Depth</u>		<u>Degrees and Depth</u>		<u>Degrees and Depth</u>		<u>Degrees and Depth</u>	
1/2	225	1/2	4742	3/4	7800		
1/2	418	1/4	5020	3/4	9191		
1/4	755	1/4	5405	3/4	9495		
3/4	1096	1/4	5807	1/2	9765		
1/2	1433	1/4	6203	3/4	10113		
1/4	2360	1/2	6603	3/4	10424		
3/4	2770	1 1/4	7003	1/2	10670		
1/2	3171	1	7196	1/2	11158		
3/4	3540	1 1/2	7529	1/2	11649		
1 1/4	3909	1 1/4	7805	1	12245		
1/2	4158	1	8176				
1/4	4466	1	8515				

Drilling Contractor MORANCO Drilling, Inc.

By Wiley Gilmore
Wiley Gilmore - Marketing Manager

Subscribed and sworn to before me this 15th day of May 19 85

My Commission expires:

January 30, 1989

Susie Branyon
Notary Public Susie Branyon
Lea County, New Mexico