		, R38E, Lea County, New Mexico e U.S.T.&R Texas give S, BLK, SURV. and TWP)							
OPERATOR American Trading and Production 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:

Degrees and Depth		Degrees and Depth		Degrees and Depth		Degrees and Depth
1	194	1/2	5320	1	10097	
1	385	1/4	5721	3/4	10530	
3/4	872	3/4	6156	3/4	10930	
1/2	1370	1 1/4	6554	1	11260	
3/4	1897	1 1/4	6984	1	11638	
1/2	2393	1	7426	2 1/4	12057	
1/4	2630	1 1/4	7877	2 1/4	12230	
1/2	3131	1	8217	2 1/2	12330	
1/4	3622	1	8619	3 1/2	12800	
1/4	4038	1 3/4	9019			4
1	4540	1 1/2	9449			
1/4	4933	1 1/4	9705			

Subscribed and sworn to before me this 7th day of August 19 86

My Commission expires:

Notary Public Susie Branyon
Lea County, New Mexico

Drilling Contractor

MORANCO Drilling, Inc.