

Well Name and Number: Maljamar "15" Federal #1

Location: Sec. 15, T17S, R32E, Lea County, New Mexico

Operator: Santa Fe Energy Resources

Drilling Contractor: McVay Drilling Company

Unit A

1310/N & 1310/E

30-025-34549

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	
1/2	207	1/4	6367	1/4	12629
1 1/4	414	1/4	6842	1/4	13602
1	668	1/4	7318		
1/4	1157	1/2	7762		
1/2	1604	3/4	8240		
1/2	2082	3/4	8653		
1/2	2558	1/2	9139		
1/2	3057	1/2	9634		
3/4	3356	3/4	9920		
1	3972	3/4	10411		
3/4	4460	1 1/4	10844		
3/4	4941	1 1/4	11287		
1/2	5410	3/4	11838		
1/4	5887	3/4	12338		

Drilling Contractor: McVay Drilling Company

By: [Signature]

Subscribed and sworn to before me this 2nd day of February, 1999.

[Signature]
Notary Public

My Commission Expires: 8-16-01

Lea County, New Mexico