

Well Name and Number: Shortcake Federal #1

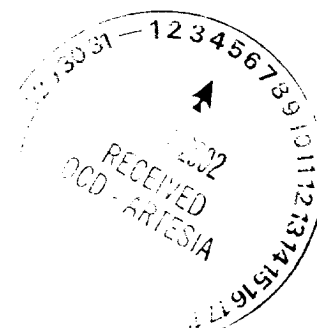
Location: Sec.7, T19S, R31E, Eddy County, NM

Operator: OXY USA Inc

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	
1 ¼	300	½	6648		
3 ¼	477	1	7151		
2 ¼	668	1 ¼	7657		
½	942	1 ¼	8133		
½	1228	1	8628		
½	1735	1	9123		
1 ½	2240	1	9622		
2 ¼	2522	1 ¼	10100		
2 ½	2649	¾	10512		
1 ¾	2902	1	10659		
1 ½	3230	½	10971		
1	3707	¾	11471		
1	4213	¾	11919		
¾	4687				
½	5192				
¾	5698				
¾	6172				



Drilling Contractor: McVay Drilling Company

By: Jan Weyand

Subscribed and sworn to before me this 24th day of May, 2002

Tina Hemers
Notary Public

My Commission Expires: 8-16-05

Lea County, New Mexico