

Well Name and Number: West Shugart 30 Federal #9

Location: Sec. 30, T18S, R31E, Eddy County, New Mexico

Operator: Penwell Energy

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	316	1 ¼	5091	½	9795
¼	545	1 ¼	5590	¾	10084
1	1025	1	6054	¾	10350
¾	1281	1 ½	6550		
1 ¾	1777	1 ½	6673		
1 ¾	2024	¾	6947		
2 ¼	2303	¼	7211		
3	2503	2	7726		
3	2625	2	7880		
2 ¾	2718	1 ¼	8033		
2	2840	2 ¼	8126		
1 ¾	3355	1 ½	8282		
1 ¾	3602	1 ½	8528		
1 ½	4092	¾	9022		
1 ½	4895	¾	9271		

RECORDED
SEP - 4 1997
McVay Drilling Company

Drilling Contractor: McVay Drilling Company

By: Jan Wyman

Subscribed and sworn to before me this 22nd day of August, 1997.

James R. Ullrich
Notary Public

My Commission Expires: 10-30-97

Lea County, New Mexico