

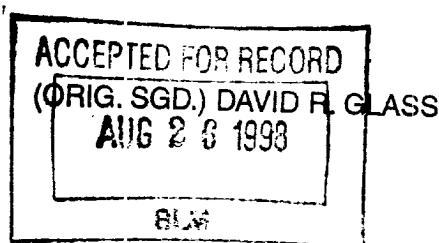
Oil & Gas Division  
11 S. 1st Street  
Artesia, NM 87003-2834

July 16, 1998

WELL NAME AND NUMBER: BARCLAY FED #12  
LOCATION: SEC.12 T23S R31E  
OPERATOR: ARCO  
DRILLING CONTRACTOR: PATTERSON DRILLING CO.

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:

DEGREE AND DEPTH		DEGREE AND DEPTH		DEGREE AND DEPTH	
0.75	245	0.50	3510	1.75	4475
1.25	662	1.00	3772	1.00	4982
0.75	1310	1.00	3857	1.00	5470
0.50	1793	1.75	3980	1.25	5985
0.50	2280	2.50	4200	0.75	6485
0.75	2699	2.50	4240	1.00	6985
0.50	3040	2.00	4317	0.50	7475
0.50	3291	2.00	4380	1.00	7954
				0.75	8450



Drilling Contractor:  
Patterson Drilling Company

By: Billy Jensen  
Billy Jensen

Subscribed and sworn to before me on this 16th day of July 1998.

My Commission Expires: June 30, 2001

Mary G. Henson  
Mary G. Henson