



October 11, 1999

### DEVIATION REPORT

Well Name: ROSA UNIT #137A  
Location: I SEC 31 T31N R5W  
County, State: RIO ARriba COUNTY, NEW MEXICO  
Formation: BLANCO PICTURED CLIFFS/BLANCO MESAVERDE

DEVIATION	DEPTH
1/2°	293'
3/4°	788'
1°	1281'
1°	1781'
1°	2298'
1°	2800'
1 1/4°	3292'
1°	3795'
1/2°	4290'
1 1/2°	4830'
1 3/4°	5308'
2 1/2°	5799'
2 1/2°	6210'

RECEIVED  
OCT 13 1999  
OCT 13 1999  
DEPT

Tracy Ross  
Tracy Ross  
Production Analyst

State of Oklahoma )  
County of Tulsa ) SS:

The foregoing instrument was acknowledged before me this 11th day of October, 1999, by Tracy Ross.

Susan A. Tyler  
Susan A. Tyler

My Commission Expires: July 17, 2001