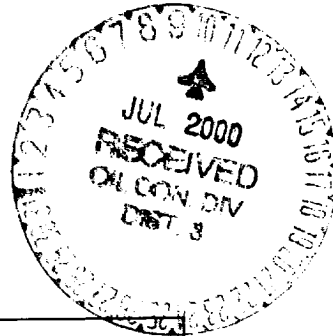




July 5, 2000

DEVIATION REPORT

Well Name: ROSA UNIT #159A  
Location: M SEC 19 T31N R5W  
County, State: RIO ARriba COUNTY, NEW MEXICO  
Formation: BLANCO MESAVERDE



DEVIATION	DEPTH
1°	96'
1 ¼°	284'
1°	789'
¾°	1282'
1°	1785'
1°	2275'
1°	2789'
½°	3287'
1°	5158'
1°	5625'

Tracy Ross  
Tracy Ross  
Production Analyst

State of Oklahoma                    )  
  )       ss:  
County of Tulsa                    )

The foregoing instrument was acknowledged before me this 5th day of July, 2000, by Tracy Ross.

Susan A. Tyler  
Susan A. Tyler

My Commission Expires: 7-17-2001