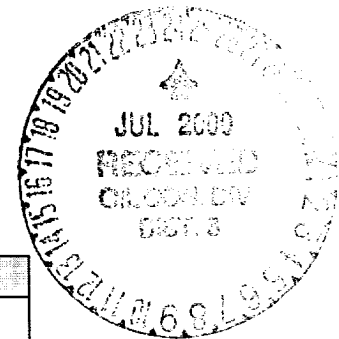




July 18, 2000

DEVIATION REPORT

Well Name: ROSA UNIT #166A
Location: F SEC 30 T31N R5W
County, State: RIO ARriba COUNTY, NEW MEXICO
Formation: BLANCO MESAVERDE



DEVIATION	DEPTH
1°	310'
¾°	790'
1°	1318'
1 ¾°	1808'
1 ¾°	2287'
1 ¾°	2723'
2°	3225'
1°	3662'
1°	4926'
¾°	6097'

Tracy Ross
Tracy Ross
Production Analyst

State of Oklahoma)
) ss:
County of Tulsa)

The foregoing instrument was acknowledged before me this 18th day of July, 2000, by Tracy Ross.

Susan A. Tyler
Susan A. Tyler

My Commission Expires: July 17, 2001