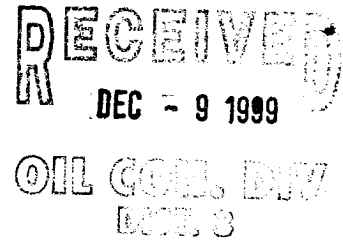




December 6, 1999

DEVIATION REPORT

Well Name: ROSA UNIT #167A
Location: A SEC 08 T31N R6W
County, State: SAN JUAN COUNTY, NEW MEXICO
Formation: BLANCO MESAVERDE



DEVIATION	DEPTH
1/4°	300'
1/2°	788'
1/2°	1279'
1°	1767'
1°	2836'
1 1/4°	3325'
1 1/4°	3585'
1 1/4°	5980'

Tracy Ross
Tracy Ross
Production Analyst

State of Oklahoma)
County of Tulsa) ss:

The foregoing instrument was acknowledged before me this 6th day of December, 1999, by Tracy Ross.

My Commission Expires: 7/17/99

Susan A. Tyler
Susan A. Tyler