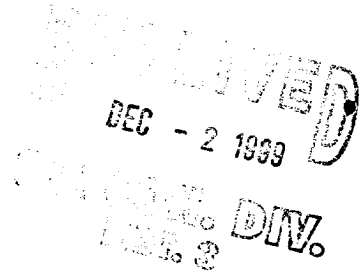




November 29, 1999

DEVIATION REPORT

Well Name: ROSA UNIT #180A
Location: C SEC 09 T31N R6W
County, State: SAN JUAN COUNTY, NEW MEXICO
Formation: BLANCO MESAVERDE



DEVIATION	DEPTH
1¾°	303'
¾°	807'
¾°	1303'
½°	1798'
¾°	2298'
1°	2767'
1¼°	3281'
1°	3695'
1¼°	3281'
1°	3695'
1½°	6160'

Tracy Ross
Tracy Ross
Production Analyst

State of Oklahoma)
County of Tulsa) ss:

The foregoing instrument was acknowledged before me this 29th day of November, 1999, by Tracy Ross.

Susan A. Tyler
Susan A. Tyler

My Commission Expires: 7/17/2001

(Continue on reverse side)