

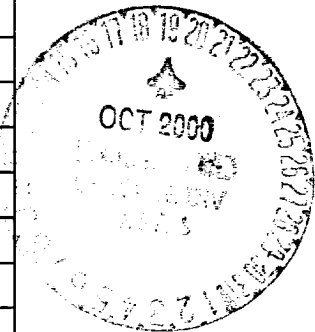


October 16, 2000

DEVIATION REPORT

Well Name: ROSA UNIT #188A
Location: C SEC 34 T31N R5W
County, State: RIO ARRIBA COUNTY, NEW MEXICO
Formation: BLANCO MESAVERDE

DEVIATION	DEPTH
1°	296'
1°	777'
½°	1289'
¾°	1792'
¾°	2292'
1°	2780'
¾°	3072'
1°	3570'
1 ¼°	4065'
1°	4154'
1°	5361'
1 ½°	6554'



Tracy Ross
Tracy Ross
Production Analyst

State of Oklahoma)
) ss:
County of Tulsa)

The foregoing instrument was acknowledged before me this 16th day of October, 2000, by Tracy Ross.

My Commission Expires: July 17, 2001

Susan A. Tyler
Susan A. Tyler