

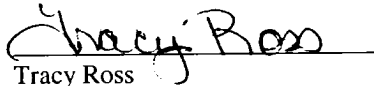


August 9, 2000

DEVIATION REPORT

Well Name: ROSA UNIT #31
Location: C SEC 17 T31N R5W
County, State: RIO ARriba COUNTY, NEW MEXICO
Formation: BLANCO MESAVERDE

DEVIATION	DEPTH
¾°	92'
¾°	202'
1°	1292'
1 ¼°	1789'
1°	2256'
1°	2818'
2°	3493'
1°	4251'
1°	5941'


Tracy Ross
Production Analyst

State of Oklahoma)
) ss:
County of Tulsa)

The foregoing instrument was acknowledged before me this 9th day of August, 2000, by Tracy Ross.


Susan A. Tyler

My Commission Expires: 7-17-00