

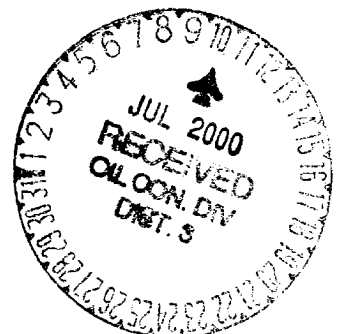


July 5, 2000

DEVIATION REPORT

Well Name: ROSA UNIT #13A
Location: F SEC 31 T31N R5W
County, State: RIO ARriba COUNTY, NEW MEXICO
Formation: BLANCO MESAVERDE

| DEVIATION | DEPTH |
|-----------|-------|
| 1/2° | 278' |
| 3/4° | 530' |
| 3/4° | 781' |
| 1° | 1323' |
| 1° | 1789' |
| 1 1/4° | 2243' |
| 1° | 2620' |
| 1° | 3037' |
| 1 1/4° | 3528' |
| 1° | 3819' |
| 1 1/2° | 5010' |
| 1 1/2° | 6229' |



Tracy Ross

Tracy Ross
Production Analyst

State of Oklahoma)
) ss:
County of Tulsa)

The foregoing instrument was acknowledged before me this 5th day of July, 2000, by Tracy Ross.

Susan A. Tyler
Susan A. Tyler

My Commission Expires: 7-17-2001