



December 1, 1998

DEVIATION REPORT

Well Name: ROSA UNIT #151A
Location: L SEC 33 T32N R6W
County, State: SAN JUAN COUNTY, NEW MEXICO
Formation: BLANCO MESAVERDE

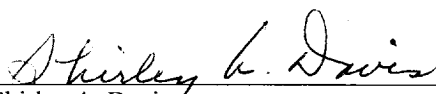
RECEIVED
DEC - 4 1998
OIL CONL DIV
SALT

| DEVIATION | DEPTH |
|-----------|-------|
| 1° | 275' |
| 1/4° | 751' |
| 3/4° | 1217' |
| 3/4° | 1748' |
| 1° | 2238' |
| 1/2° | 2729' |
| 2° | 3235' |
| 1/2° | 3605' |
| 1-1/4° | 4100' |
| 3-3/4° | 4559' |
| 3-1/2° | 4724' |
| 3° | 4941' |
| 2-3/4° | 5994' |

Susan Griguhn
Clerk, Production & Drilling

State of Oklahoma)
) ss:
County of Tulsa)

The foregoing instrument was acknowledged before me this 1st day of December, 1998, by Susan Griguhn.


Shirley A. Davis

My Commission Expires: 10/10/2001