



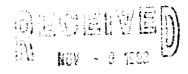
November 5, 1998

DEVIATION REPORT

Well Name: ROSA UNIT #139A Location: M SEC 17 T31N R6W

County, State: SAN JUAN COUNTY, NEW MEXICO

Formation: BLANCO MESAVERDE



OH COM. DIV.

DEVIATION	DEPTH
1-3/4°	540'
2°	1004'
1-1/2°	1505'
1-3/4°	1927'
3/4°	2427'
1 °	2929'
2°	2412'
1-3/4°	3616'
2°	3412'
1-3/4°	3616'
2-1/4°	4074'
4°	4580'
4°	4924'
4-1/4°	5264'

Susan Griguhn		
Clerk, Production & Drilling		
State of Oklahoma)	
)	ss:
County of Tulsa)	

The foregoing instrument was acknowledged before me this 5th day of November 1998, by Susan Griguhn.

Shirley A.Davi's

My Commission Expires: 10/10/2001