



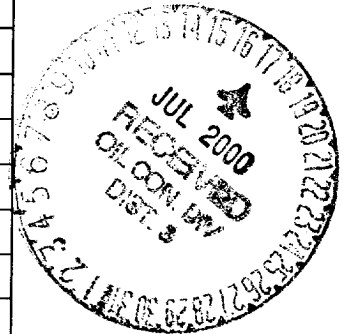
ENERGY SERVICES
Exploration & Production

July 12, 2000

DEVIATION REPORT

Well Name: ROSA UNIT #163A
Location: O SEC 24 T31N R6W
County, State: RIO ARriba COUNTY, NEW MEXICO
Formation: BLANCO MESAVERDE

DEVIATION	DEPTH
1°	75'
1°	276'
¾°	797'
¾°	1291'
¾°	1789'
1°	2274'
¾°	2731'
¾°	3248'
1°	3600'
1 ½°	4154'
1 ½°	4558'
1 ½°	5058'



Tracy Ross

Tracy Ross
Production Analyst

State of Oklahoma)
County of Tulsa) SS:

The foregoing instrument was acknowledged before me this 12th day of July, 2000, by Tracy Ross.

Susan A. Tyler
Susan A. Tyler

My Commission Expires: 7-17-2001