



ENERGY SERVICES  
Exploration & Production

November 8, 2000

## DEVIATION REPORT

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

DEVIATION	DEPTH
1/4°	290'
1/2°	781'
1°	1265'
1°	1772'
1 3/4°	2274'
1 3/4°	2772'
1 1/2°	3237'
1°	4789'
1°	6015'

Tracy Ross  
Tracy Ross  
Production Analyst

State of Oklahoma                    )  
  )       ss:  
County of Tulsa                    )

The foregoing instrument was acknowledged before me this 8th day of November, 2000, by Tracy Ross.

Susan A. Tyler  
Susan A. Tyler

My Commission Expires: 7-17-2001