



ENERGY SERVICES
Exploration & Production

September 30, 1998

DEVIATION REPORT

Well Name: ROSA UNIT #12A
Location: J SEC 15 T31N R6W
County, State: RIO ARRIBA COUNTY, NEW MEXICO
Formation: BLANCO MESAVERDE

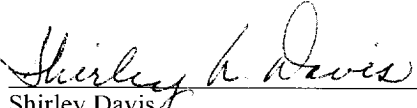
DEVIATION	DEPTH
3/4°	120'
1°	250'
1-14°	587'
1-1/4°	1177'
1-1/4°	1575'
1°	2070'
1°	2572'
1/2°	3076'
1-1/2°	4727'
1-1/4°	5230'
1°	5715'
1°	6090'
1-1/4°	5230'
1°	5715'

Susan Griguhn
Clerk, Production & Drilling

State of Oklahoma)
County of Tulsa) ss:

RECEIVED
OCT 5 1998
OIL CON. DIV.
DIST. 3

The foregoing instrument was acknowledged before me this 30th day of September, 1998, by Susan Griguhn.


Shirley Davis

My Commission Expires: 10/10/2001