



November 23, 1999

DEVIATION REPORT

Well Name: ROSA UNIT #20C  
 Location: J SEC 14 T31N R6W  
 County, State: RIO ARRIBA COUNTY, NEW MEXICO  
 Formation: BLANCO MESAVERDE

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 OIL & GAS DIV.  
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DEVIATION	DEPTH
¼°	250'
1°	636'
1°	1138'
1°	1602'
1°	2133'
¾°	2692'
½°	3129'
½°	3379'
½°	3901'
½°	4365'
½°	4822'
½°	5285'
½°	5720'
½°	6009'

Tracy Ross  
 Tracy Ross  
 Production Analyst

State of Oklahoma )  
 )  
 County of Tulsa )      ss:

The foregoing instrument was acknowledged before me this 23rd day of November, 1999, by Tracy Ross.

Susan A. Tyler  
 Susan A. Tyler

My Commission Expires: 7/17/2001