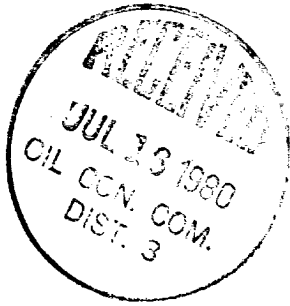


Federal #17-1
790' FSL 1900' FEL
Sec. 17, T 24N, R 3W
Rio Arriba Co., NM

DEVIATION RECORD:

<u>No.</u>	<u>Depth</u>	<u>Degree</u>
1.	346'	1/4
2.	1009'	1/4
3.	1549'	1/4
4.	2061'	1/2
5.	2471'	1/2
6.	2972'	1/2
7.	3440'	1/2
8.	3967'	1/2
9.	4470'	1/2
10.	4970'	1/2
11.	5150'	3/4
12.	5592'	3/4
13.	6122'	3/4
14.	6625'	3/4
15.	7150'	1
16.	7659'	1 1/4



To the best of my knowledge the above Deviation Record is true and accurate.

Jerry L. Hoffman
Jerry L. Hoffman
Petroleum Engineer

State of) Colorado
County of) Denver

The foregoing information was acknowledged before me this 11th day of
July, 1980 by Jerry L. Hoffman, Petroleum Engineer
Reading & Bates Petroleum Co.