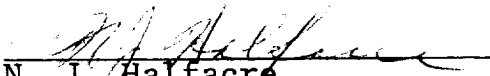


DEVIATION TESTS
FOR
AMOCO PRODUCTION COMPANY

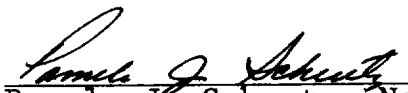
FEDERAL "BV" WELL NO. 1
SECTION 3, T-19-S, R-24-E
EDDY COUNTY, NEW MEXICO

<u>DEPTH (FEET)</u>	<u>DEVIATION (DEGREES)</u>	<u>DEPTH (FEET)</u>	<u>DEVIATION (DEGREES)</u>
400	1/4	5,680	1/2
900	1/4	6,418	1
1,350	1/4	6,910	1 1/4
1,845	3/4	7,405	1 1/4
2,400	3/4	7,989	1/2
2,860	1 1/4	8,450	1
3,235	1	8,815	1
3,735	3/4		
4,270	3/4		
4,740	1/2		
4,970	1/2		

WARTON DRILLING COMPANY


N. J. Halfacre
Vice President/Operations Manager

SUBSCRIBED AND SWORN to before me this 20th day of
February, A. D. 1981.


Pamela J. Schuetz, Notary Public
in and for the State of Texas
My commission expires: 8-16-84