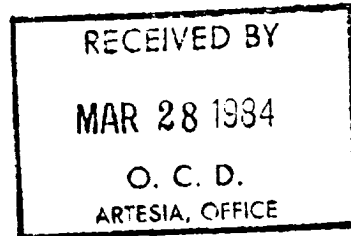


EXXON COMPANY, U.S.A.
POST OFFICE BOX 10488 • MIDLAND, TEXAS 79702

MIDCONTINENT PRODUCTION DIVISION
SOUTHERN DRILLING ORGANIZATION

E W. THOMAS, Manager

W F BURCHARD, Operations Superintendent
K S ROSE, Operations Superintendent
M C WELBORN, Operations Superintendent
J D HOWELL, Engineering Manager



Dec. 28, 1983

LISTED BELOW ARE THE DEVIATION TESTS TAKEN ON PIONEER FEDERAL NO. 1 : ✓

<u>DEPTH</u>	<u>DEGREES OF DEVIATION</u>	<u>DEPTH</u>	<u>DEGREES OF DEVIATION</u>
280	3/4	2951	2
502	1/4	3015	1 3/4
889	2 1/4	3077	2
951	3	3140	2 1/4
984	2 3/4	3203	2 1/4
1015	2 1/4	3256	2 1/4
1077	2 1/2	3328	1 3/4
1108	2	3390	1 3/4
1172	2	3453	1 1/2
1234	2 1/4	3563	1 1/2
1296	2 1/2	3626	1 1/4
1359	1 3/4	3689	1
1420	2	3774	1 1/2
1514	2	3878	1 1/4
1547	1 3/4	4005	1 1/4
1609	2	4066	1
1671	1 1/4	4160	1
1733	1	4382	1
1825	3/4	4665	1/2
1952	3/4	4946	1
2107	3/4	5226	1 1/4
2328	3/4	5539	1
2514	1	5821	1
2577	1 1/4	6139	3/4
2640	1 3/4	6376	1 1/4
2701	2	6700	1 1/4
2765	1 3/4	7011	1 3/4
2826	2	7200	1 1/2
2888	2 1/4		

BY P. K. Mendenhall

SWORN TO and subscribed before me this 29th day of December, 1983

Linda S. Jones
Notary Public
Midland, Texas

My commission expires: 9 November 1985