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DEVIATION SURVEY

Santa Fe Railroad Well No. 15
Completed October 12, 1967

Location: 990' from the West line and 1650' from the North
line, Unit E, Section 7, Township 17 North, Range
8 West, McKinley County, New Mexico

<u>Depth</u>	<u>Deviation Degrees</u>
70'	1/4°
1,158	3/4°
TD 1,629	3/4°

Certification of personal knowledge deviation data:

I hereby certify that I have personal knowledge of the data and facts placed
on this instrument, and that such information given above is true and complete.

TESORO PETROLEUM CORPORATION

By Harold Vagtborg, Jr.
Harold Vagtborg, Jr.

STATE OF TEXAS |
 |
COUNTY OF BEXAR |

Before me, the undersigned authority, personally appeared Harold
Vagtborg, Jr., known to me to be the person whose name is subscribed hereto,
and having been by me duly sworn upon his oath does say, that the facts and
circumstances set out herein are true and correct.

Harold Vagtborg, Jr.
Harold Vagtborg, Jr.

Sworn and subscribed to before me, this the 20th day of November, 1967.

Helen R. Thomas
Notary Public in and for
Bexar County, Texas

My commission expires:

11/20/68
HELEN R. THOMAS
Notary Public, Bexar County, Texas