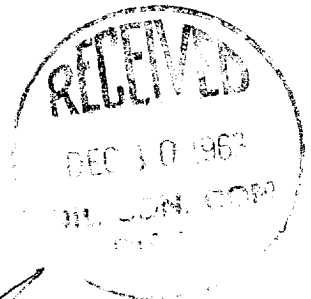


STATE OF NEW MEXICO)
) SS
COUNTY OF SAN JUAN)

I, Frank Gray, being first duly sworn upon my oath, depose and say:

I am Superintendent of Drilling and production operations in the Farmington, New Mexico area for Caulkins Oil Company and in that capacity supervised the running of straight hole tests in their Brooch "C" well number D-248 located in Section 13, Township 26 North, Range 6 West, Rio Arriba County, New Mexico and that following is a correct record of tests made during the drilling of the well:

Depth	Deviation from Vertical (degrees)
252	1/2
747	1
1250	1-1/4
1750	1/4
2250	1
2781	3/4
3250	3/4
3650	1/2
4070	1
4555	1/2
4995	3/4
5364	1
5860	1-1/4
6350	1
6850	3/4
7350	1



Frank Gray

Subscribed and sworn to before me, a Notary Public in and for San Juan County, New Mexico, the 28th day of December, 1963

Walter J. Jones

My Commission Expires 12/31/70