

dugan production corp.

August 14, 1981

New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

Re: Jerome P. McHugh
Hardie #4E
1800' FNL - 790' FWL
Sec 24 T29N R8W
San Juan County, NM

Gentlemen:

This is to certify that deviation tests were run on the captioned well
and the following is a true report of those tests:

3/4° at 748	1/2° at 2942	1° at 5248
1° at 1266	1° at 3225	2° at 5544
1° at 1834	3/4° at 3728	1-3/4° at 6029
1-1/4° at 1866	1° at 4229	2° at 6529
1-1/4° at 2332	1° at 4748	2° at 7107
		2° at 7640

Sincerely,

Thomas A. Dugan
Thomas A. Dugan
Petroleum Engineer



State of New Mexico)
County of San Juan) ss

Subscribed and sworn to before me this 17th day of August 19 81.

Frances Perrin



OFFICIAL SEAL
FRANCES PERRIN
NOTARY PUBLIC - NEW MEXICO
Notary Bond Filed with Secretary of State
My Commission Expires 5-15-85