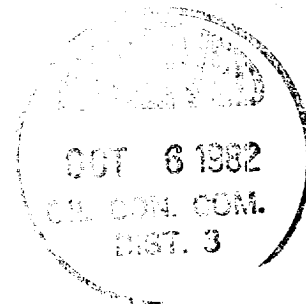


dugan production corp.

August 3, 1982

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



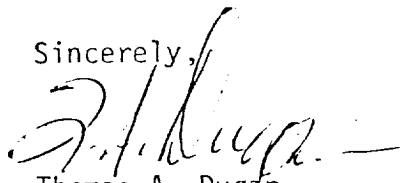
Re: DUGAN PRODUCTION CORP.  
Big Eight #1E  
890' FSL - 1850' FEL  
Sec 8 T24N R9W  
San Juan County, NM

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 680'	1-3/4° at 2520'	1-1/4° at 4947'
3/4 at 1190	1 at 3012	1-1/4 at 5448
1 at 1694	1 at 3535	1-1/2 at 5936
1-3/4 at 2027	1-1/2° at 4180	1-3/4 at 6283

Sincerely,

  
Thomas A. Dugan  
Petroleum Engineer

State of New Mexico)  
County of San Juan ) ss

Subscribed and sworn to before me this 3rd day of August 1982.

*Frances Perrin*



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