

Walsh

ENGINEERING & PRODUCTION CORP.

PETROLEUM ENGINEERING
RESERVOIR STUDIES
EVALUATIONS
GEOLOGICAL STUDIES
LEASE MANAGEMENT
CONTRACT PUMPING
DRILLING SUPERVISION
WORKOVER SUPERVISION

EWELL N. WALSH, P.E.
President

July 20, 1978

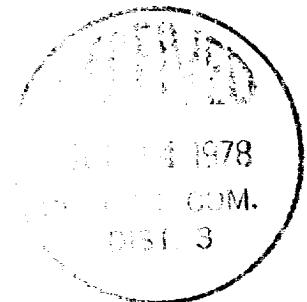
Mr. A.R. Kendrick, District Supervisor
N.M. Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico 87410

RE: Odessa Natural Corporation
Jicarilla Joint Venture "PC" 104
Unit F, Sec. 4-T23N-R3W
Rio Arriba County, New Mexico

Dear Mr. Kendrick:

The following deviation surveys were obtained on the above-referred-to well:

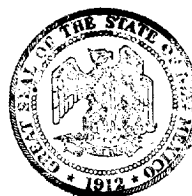
<u>Depth</u>	<u>Deviation-Degree</u>
143	1/4
1127	1/2
2062	1/2
2435	3/4
3216	1
3394	1 1/4



Very truly yours,

Ewell. N. Walsh,
President

STATE OF NEW MEXICO) ss
COUNTY OF SAN JUAN)
Sworn to before me this
20th day of July, 1978



OFFICIAL SEAL

Signature Becky L. Kaime

BECKY L. KAIME

NOTARY PUBLIC - NEW MEXICO

Notary Bond Filed with Secretary of State

My Commission Expires: March 16, 1982