

PETROLEUM ENGINEERING
RESERVOIR STUDIES
EVALUATIONS
GEOLOGICAL STUDIES

EWELL N. WALSH, P.E.
President

WALSH
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87401

LEASE MANAGEMENT
CONTRACT PUMPING
DRILLING SUPERVISION
WORKOVER SUPERVISION

TELEPHONE 325-8203

September 28, 1977

Mr. Al Kendrick
New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico 87410

Ref: Cotton Petroleum Corporation
Apache No. 103
Unit D Sec. 3-T24N-R4W
Rio Arriba County, New Mexico

Dear Mr. Kendrick:;

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

Depth	Deviation-Degree	Depth	Deviation-Degree
308'	3/4	3744'	2 3/4
830'	1	4827'	2
1395'	1	5334'	2
1903'	1 1/4	5883'	1 3/4
2000'	1 1/4	6384'	1 1/4
2500'	1 1/2	6715'	1 1/2
3550'	2	6822'	1
		7233'	1 3/4

Very truly yours,



Ewell N. Walsh, P.E.
President

STATE OF NEW MEXICO)
COUNTY OF SNA JUAN) ss

Sworn to before me this
28th day of September, 1977.


Notary Public

My commission expires:
September 23, 1981.

