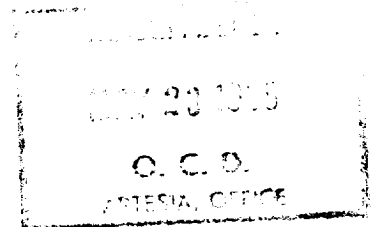


LESLIE K. EVERTSON - ROSWELL
KENNETH D. REYNOLDS - ARTESIA

DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS

P. O. Box 1498 ROSWELL, NEW MEXICO 88201
TELEPHONES: ARTESIA 505/746-6757
ROSWELL 505/623-5070

February 20, 1985



Penta Exploration Co.
310 W. Texas, Suite 210
Midland, Texas 79701

Ref: Gulf Federal #1

Gentlemen:

The following is a Deviation Survey on the above well located in Eddy County, New Mexico.

400' -	1°	3580' -	1°
897' -	3/4°	3746' -	1°
1358' -	3/4°	4246' -	1°
1668' -	2°	4746' -	1 1/2°
2154' -	1 1/2°	5205' -	1 1/2°
2639' -	1 1/4°	5696' -	1 1/4°
3083' -	1°	5800' -	1 1/4°
3158' -	1°	6257' -	1°
		6450' -	3/4° T.D.

Sincerely,

WEK DRILLING CO., INC.

Arnold Newkirk
Arnold Newkirk

STATE OF NEW MEXICO)

COUNTY OF CHAVES)

The foregoing was acknowledged before me this 20TH day
of FEBRUARY 1985 by Arnold Newkirk.

MY COMMISSION EXPIRES:

Richard M. ...
Notary Public

5-4-87