



DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS

KEN REYNOLDS—PRESIDENT
ARNIE NEWKIRK—VICE-PRESIDENT

P. O. Box 1498 ROSWELL, NEW MEXICO 88202-1498
505/623-5070 505/746-2719
ROSWELL, NM ARTESIA, NM

August 17, 1992

Hanagan Petroleum Corporation
P.O. Box 1737
Roswell, N.M. 88202

REF: Maris Fed. #1

Gentlemen:

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

510' - 1°	2190' - 2 1/2°	2807' - 2°	4345' - 1 1/4°
996' - 2 1/4°	2251' - 2 1/2°	2868' - 1 3/4°	4845' - 1 3/4°
1248' - 1 3/4°	2315' - 2 3/4°	2931' - 1°	5020' - 1 3/4°
1748' - 2 3/4°	2377' - 2 3/4°	3023' - 1°	5338' - 1°
1815' - 3°	2440' - 2 1/2°	3119' - 1°	5690' - 1 1/2°
1940' - 3 1/4°	2502' - 2 1/2°	3211' - 1°	6189' - 1 1/2°
1972' - 2 3/4°	2594' - 2 1/2°	3309' - 1°	6552' - 1 1/2°
2035' - 2 1/2°	2653' - 2 3/4°	3624' - 3/4°	6700' - 3/4° TD
2098' - 2 1/2°	2715' - 2 3/4°	3845' - 3/4°	

Sincerely,

Arnold Newkirk
Vice President

STATE OF NEW MEXICO }
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 17th day of August 1992 by Arnold Newkirk.

MY COMMISSION EXPIRES

October 07, 1992

NOTARY PUBLIC