

Donald L. Wallace
President

SIERRA DRILLING COMPANY

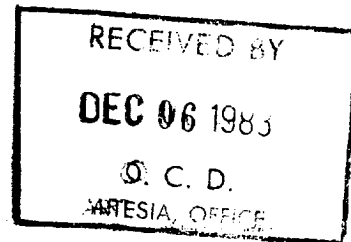
P. O. Box 2681

Midland, Texas 79702

(915) 563-3477

September 9, 1983

RECEIVED SEP 15 1983



Mr. John Hay
Liberty Oil & Gas Corporation
P. O. Drawer N
New Roads, LA. 70760

Re: Doris Federal #1 ✓

Dear Mr. Hay:

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

140' - 3/4°	6670' - 1°
300' - 1/2°	6850' - 1 1/2°
605' - 1 1/4°	7137' - 1/4°
810' - 2°	7482' - 3/4°
980' - 1 3/4°	7826' - 1/2°
1126' - 1 1/2°	8296' - 2 1/2°
1440' - 1 1/4°	8446' - 2 1/2°
1754' - 3/4°	8530' - 2 1/2°
2014' - 3/4°	8620' - 2 1/2°
2450' - 1/2°	8750' - 2 1/4°
2885' - -0-	8885' - 2 1/4°
3035' - 3/4°	9000' - 1°
3428' - 1/2°	9195' - 1°
3818' - 1 1/4°	9402' - 1 1/4°
4215' - 3/4°	9716' - 1 1/4°
4556' - 1°	9945' - 1 1/2°
4975' - 3/4°	10195' - 1°
5306' - 1/2°	10590' - 3/4°
5605' - 1/2°	11155' - 1/2°
5910' - 3/4°	11600' - 3/4°
6302' - 1/2°	

Sincerely,

SIERRA DRILLING COMPANY

Lonny D. Warren
Lonny D. Warren
Controller

STATE OF TEXAS)
)
COUNTY OF ECTOR)

The foregoing was acknowledged before me this 9th day of September, 1983.

Notary Public
My Commission Expires 9-30-85

Christy Kay Miles