



W. B. MARTIN & ASSOCIATES, INC.

2110 N. Sullivan, Farmington, New Mexico 87401

Phone: (505) 326-1631, 326-1731

HOLE DEVIATION SURVEY

Operator: W. B. Martin & Associates

Well Name: #13 Martin-Florance

Well Location: 880' FNL and 680' FEL
Unit A Section 8 Township 23N Range 4W
Rio Arriba County, New Mexico

Gentlemen:

J. A. Drake Well Servicing Co. ran the following deviation surveys during the drilling of the subject well and obtained the following results.

<u>FROM</u>	<u>TO</u>	<u>DEVIATION</u>
0'	272'	3/4°
272'	402'	1 1/2°
402'	550'	1°
550'	766'	1°
766'	1076'	1°
1076'	1575'	1°
1575'	1802'	1°
1802'	2795'	1°
2795'	3472'	1°
3472'	4760'	1°
4760'	5529'	1 1/4°
5529'	5983'	1 1/2°
5983'	6445'	1°
6445'	6851'	1°
6851'	7200'	1 1/4°

RECEIVED
SEP 2 7 1983
OIL CON. DIV.
DIST. 2

Deviation Survey's were not taken @ 500' interval's between 1802-2795 and 3472-4760 due to rough drilling conditions and hazards of getting stuck.

Andrew A. Bates
Andrew A. Bates P.E.
Operator Representative

Subscribed & Sworn to me this 18th day of August, 1983.

May 16, 1985
My Commission Expires

Shawn D. Bradshaw
Notary Public

San Juan County, New Mexico