

ARTESIA FISHING TOOL COMPANY

P.O. BOX 470 • PHONE (505) 746-6651

ARTESIA, NEW MEXICO 88211-0470

December 31, 1993

JAN 14 1994

Yates Petroleum Corporation
105 South Fourth Street
Artesia, NM 88210

RE: South Alkalai LK Federal #5
660' FNL & 990' FWL
Sec. 1, T6S, R25E
Chaves County, New Mexico

Gentlemen:

The following is a Deviation Survey for the above captioned well.

| DEPTH | DEVIATION |
|-------|-----------|
| 513' | 1/2° |
| 689' | 1 1/4° |
| 902' | 1° |
| 1413' | 3/4° |
| 1868' | 3/4° |
| 2449' | 1° |
| 2981' | 1° |
| 3454' | 3/4° |
| 3943' | 3/4° |
| 4300' | 1° |

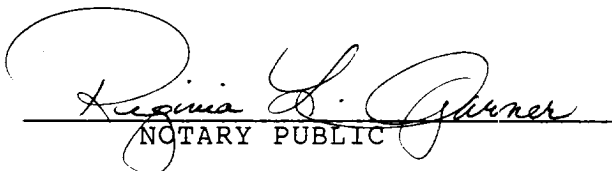
Very truly yours,



C. E. LaRue
President

STATE OF NEW MEXICO §
COUNTY OF EDDY §

The foregoing was acknowledged before
me this 31st day of December, 1993.


NOTARY PUBLIC