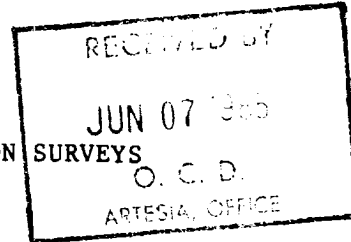




Petroleum Exploration • Drilling • Production

VERIFICATION OF DEVIATION SURVEYS



WELL NAME AND NUMBER J L KEEL "B" NO. 31

LOCATION SEC 6 - T17S - R31E

OPERATOR ARCO OIL AND GAS

DRILLING CONTRACTOR RHYMES DRILLING COMPANY, INC.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and has conducted deviation tests and obtained the following results:

DEGREES OF DEVIATION /
AT A DEPTH OF:

2 @ 450'

1 @ 942

1½ @ 1515

1 @ 2031

3/4 @ 2579

1 $\frac{1}{4}$ @ 3069

1 1/4 @ 3550

DEGREES OF DEVIATION/
AT A DEPTH OF:

DRILLING CONTRACTOR: RHYMES DRILLING CO., INC.

BY: L. L. LIVEOAK, VICE PRESIDENT

SIGNATURE:

NOTARY PUBLIC

My Commission Expires: 2/28/87

Rhymes Drilling Company, Inc.
P.O. Box 729 • Roswell, New Mexico 88201