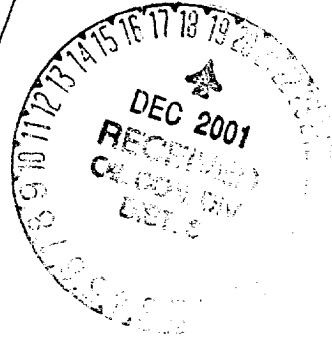


P.O. BOX 70 • FARMINGTON, NEW MEXICO 87499-0070 • (505) 325-1079

DATE: 6/25/2001

TO: RICHARDSON OPERATING COMPANY
1700 LINCOLN, SUITE 1700
DENVER, CO 80203



Re: Directional Survey
Well Ropco 8 #2
1438' FNL & 1210' FWL
Sec. 8-T29N-R14W
San Juan County, NM

Below is the directional survey for your well Ropco 8 #2.

132' 3/4°

760' 1/2°

ACKNOWLEDGEMENT

STATE OF NEW MEXICO]

COUNTY OF SAN JUAN]

SIGNED & ACKNOWLEDGED BY:

James L. Ludwick
JAMES L. LUDWICK, PRESIDENT

The foregoing instrument was acknowledged before me this 25th day of June 2001

Esther H. Hite
NOTARY PUBLIC

My commission expires: 10/23/2003