

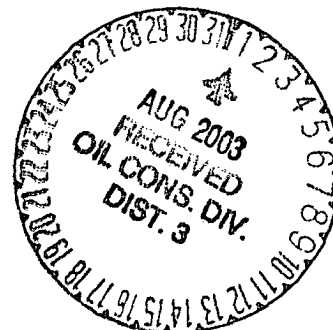
J. & B Speed Drill, Inc

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

DATE: 5/2/2003

TO: Richardson Operating Company
4601 DTC Blvd. Suite 470
Denver, CO 80237

Re: Directional Survey:
Well Ropco 16 #4 30-045-30992
1637' FSL & 719' FWL
Sec. 16-T29N-R14W
San Juan County, NM



Below is the directional survey for your well Ropco 16 #4.

120' 1/2°

760' 1/2°

ACKNOWLEDGEMENT

STATE OF NEW MEXICO 1

COUNTY OF SAN JUAN 1

SIGNED & ACKNOWLEDGED BY:

James L. Ludwick

JAMES L. LUDWICK, PRESIDENT

The foregoing instrument was acknowledged before me this 2nd day of May 2002.

[Signature]
NOTARY PUBLIC

My commission expires: 10/22/2003