

# L & 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

30-045-31063

Re: Directional Survey:  
Well WF Federal 19 #4  
1454' FSL & 1755' FEL  
Sec. 19-T30N-R14W  
San Juan County, NM

Below is the directional survey for your well WF Federal 19-#4.

120' 1/2°

650' 1/2°

1200' 3/4°



## 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 2nd day of May 2002.

*Robert H. Hatcher*  
NOTARY PUBLIC

My commission expires: 10/22/2003