

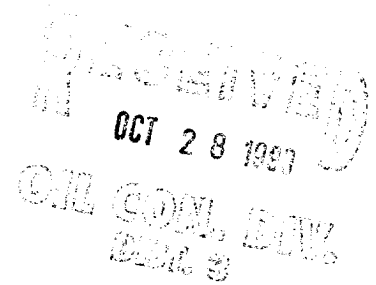
L & B Speed Drill, Inc.

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

September 8, 1999

RICHARDSON OPERATING COMPANY
1700 LINCOLN ST., SUITE 1700
DENVER, CO 80203

Re: Directional Survey
Well WF Federal 34-2
1055' FSL & 1470' FWL
N- Sec. 34, T30N, R14W
San Juan County, NM



Below is the directional survey for your well WF Federal 34.

134'	1/2°
640'	3/4°
1140'	3/4°
1285'	3/4°

ACKNOWLEDGEMENT

STATE OF NEW MEXICO]

COUNTY OF SAN JUAN]

SIGNED & ACKNOWLEDGE BY:

James L. Ludwick
James L. Ludwick, Driller

The foregoing instrument was acknowledge before me this 8th day of Sept. 1999.

Kate Ritchie
NOTARY PUBLIC

My commission expires: 10/23/99