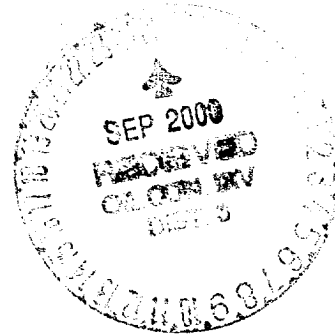


L & B Speed Drill, Inc.

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

DATE: 9/13/2000

TO: RICHARDSON OPERATION COMPANY
1700 LINCOLN ST. SUITE 1700
DENVER CO. 80203



RE: Directional Survey
Well WF Federal 5 # 1
Sec. 5-29n-14w
San Juan Country, N.M.

Below is the directional survey for your well WF Federal 5 # 1

133' 3/4°

600' 1/2°

900' 3/4°

ACKNOWLEDGEMENT

STATE OF NEW MEXICO]
COUNTY OF SAN JUAN]

SIGNED & ACKNOWLEDGE.:

James L. Ludwick
JAMES L. LUDWICK, DRILLER

The foregoing instrument was acknowledge before me this 13th day of SEP 2000

John H. Withers
NOTARY PUBLIC

My commission expires; 10, 22, 2003