

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

DATE: 1/30/2003

30-045-31152

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

Re: Directional Survey:

Well F-RPC 19 #4
 746' FSL & 665' FEL
 Sec. 19-T29n-R13W
 San Juan County, NM

Below is the directional survey for your well F-RPC 19 #4.

120' 1/4°

550' 1/2°

1000' 3/4°

1370' 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 30th day of Jan 2002.

Robert H. Hatcher
 NOTARY PUBLIC

My commission expires:

10/23/2003