

DATE: 2/20/2002

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

Re: Directional Survey
Well RPC 17 Well #4
562' FSL & 1392' FEL
Sec. 17-T29N-R13W
San Juan County, NM

Below is the directional survey for your well RPC 17 Well #4.

133' 3/4°

600' 3/4°

1150' 1°

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 20th day of Feb. 2002

Esther Hatch
NOTARY PUBLIC

My commission expires: 10/23/2003