

**Richardson Operating Company  
3100 La Plata Highway  
Farmington, NM 87401**

October 4, 2002

Re: Directional Survey  
Ropco 10 #1  
1272' FNL & 673' FWL  
Sec. 10, T29N-R14W  
San Juan County, NM

Below is the directional survey for your well Ropco 10 #1.

120' 1/2°

600' 1/2°

1000' 3/4°

**ACKNOWLEDGMENT**

**STATE OF NEW MEXICO** }

**COUNTY OF SAN JUAN** }

**SIGNED AND ACKNOWLEDGED BY:**

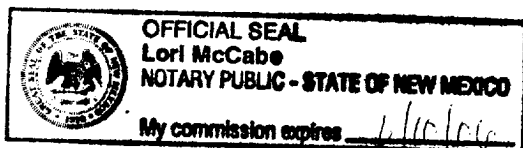
  
**Drew Carnes, Operations Manager**

The foregoing instrument was acknowledged before me this 4<sup>th</sup> day of October, 2002.

  
**Notary Public**

My Commission expires:

6/10/06



OFFICE OF THE ATTORNEY GENERAL  
STATE OF NEW MEXICO  
JAN 10 1964  
RECEIVED