

American Drilling Contractors, LLC

3100 LA PLATA HWY. · FARMINGTON, NEW MEXICO 87401 · (505)564-3100

Date: January 4, 2005

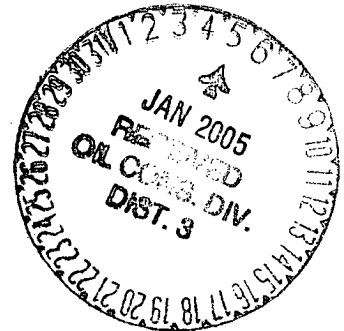
To: Richardson Operating Co.
4601 DTC Blvd. Suite 470
Denver, CO 80237

30-045-31982

Re: Directional Survey

Below is the directional survey for your well **Federal 13-22 # 2**

510' @ 1/4°
858' @ 1°
1495' @ 1°
1959' @ 1°
2679' @ 1°
2961' @ 1 1/2°



Acknowledgment

State of New Mexico]

County of San Juan]

Signed & Acknowledged By:

Billie Ferrell, Manager

The foregoing instrument was acknowledged before me this 4th day of January, 2005

Notary Public

My Commission expires: October 1, 2008

