

American Drilling Contractors, LLC

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

Date: October 29, 2004

30-045-31833

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

Re: Directional Survey

Below is the directional survey for your well Federal 31-32 #3

591' @ 1/2°
1174' @ 1/2°
1617' @ 1/4°
2765' @ 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 29th day of October, 2004


Notary Public

My Commission expires: October, 1 2008

