

L & B Speed Drill, Inc.

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

January 18, 2000

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

Re: Directional Survey

Well WF Federal 34 #3
1060' FNL & 975' FEL
Sec. 34, T30N, R14W
San Juan County, NM



Below is the directional survey your well WF Federal 34 #3.

134' 3/4°
650' 1/2°
1150' 1/2°
1360' 3/4°

ACKNOWLEDGEMENT

STATE OF NEW MEXICO]
]
COUNTY OF SAN JUAN]

Signed & Acknowledge by;

James L. Ludwick
James L. Ludwick, Driller

The foregoing instrument was acknowledge before me this 18th day of Jan. 2000.

Esther H. Stuber
NOTARY PUBLIC

My commission expires: 10/23/2003

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 19935. Lease Designation and Serial No.
NM-0206995Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals6. If Indian, Allottee or Tribe Name
N/A**SUBMIT IN TRIPLICATE**7. If Unit or CA, Agreement Designation
N/A

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.

WF Fed. 34 #3

2. Name of Operator

Richardson Operating Co. (303) 830-8000

9. API Well No.

30-045-29881

3. Address and Telephone No.

1700 Lincoln, Suite 1700, Denver, Co. 8020310. Field and Pool, or Exploratory Area
Md. PC & B. Fruit.

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface: NENE 34-30n-14w11. County or Parish, State
San Juan, NM**BHL: Same**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment☐ Recompletion☐ Plugging Back☐ Casing Repair☐ Altering Casing☒ Other**Pipelines**☐ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut-Off☐ Conversion to Injection☐ Dispose Water

(Note: Report on well completion on Well Completion or Re-completion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Cancel pipeline (which would've tied into El Paso) described in APD dated 3-19-99.

Will instead tie into Richardson's newly constructed system. Plan to lay two parallel 3" OD SDR-11 poly pipelines in one ≈36" deep trench. The trench will parallel roads east and then south for 4,819.27' (all on lease) to tie into an existing pipeline system.

Gas line will operate at ≈50 psi. Water line will operate ≈60 psi. Test pressure will be ≈128 psi. Test media will be the well's gas and water. Water will be discharged into the receiving pipeline. Burst pressure is ≈630 psi at 60° Celsius. Wall thickness is 0.318". Joints will be joined with butt heat fusion. The pipeline route will be posted with intervisible markers and on either side of a road crossing.

On sited with Danny Randall. Archaeology done by LaPlata. cc: BLM, Colby, OCD (via BLM)

14. I hereby certify that the foregoing is true and correct

Consultant (505) 466-8120**12-12-99**

Signed

Title

Date

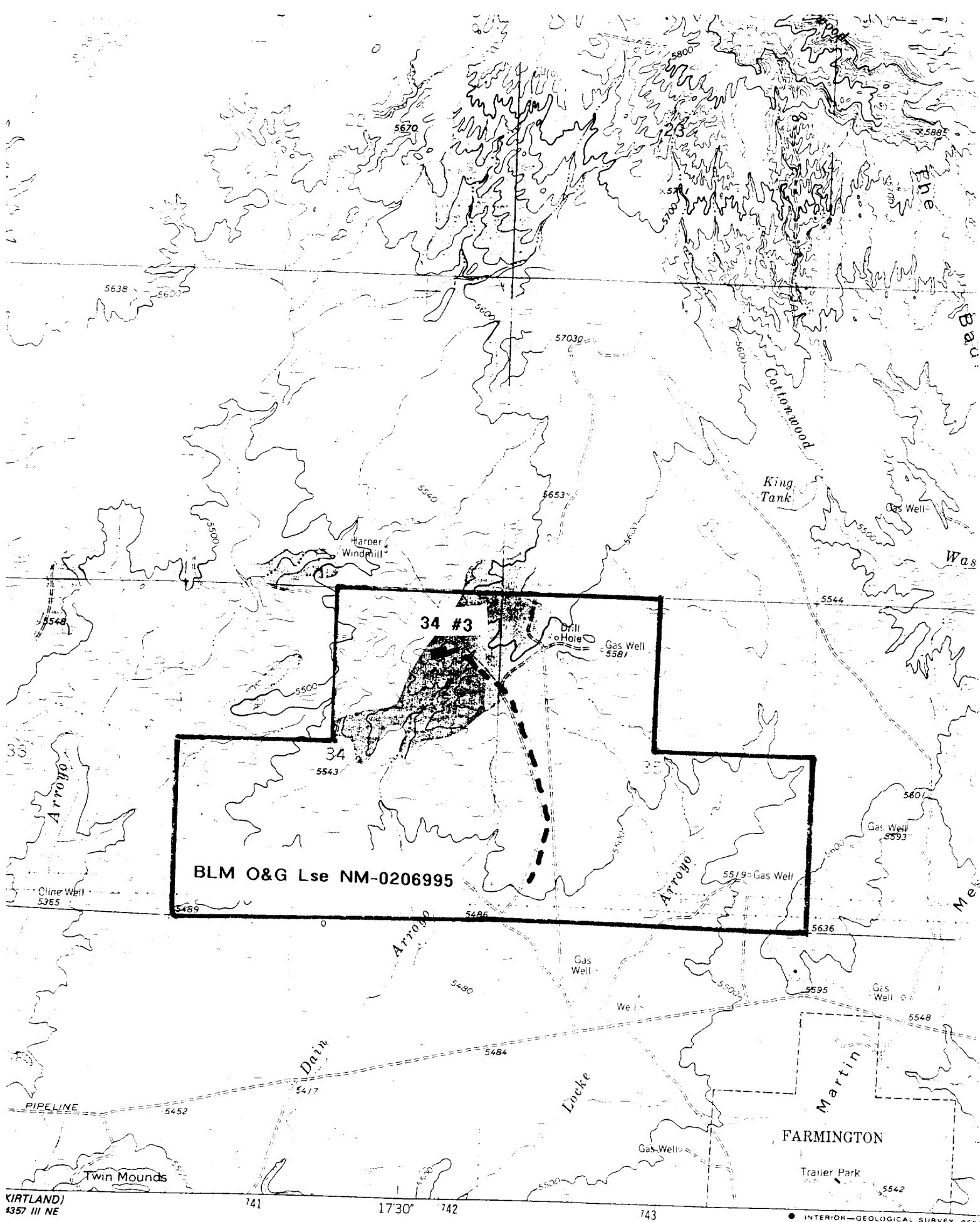
(This space for Federal or State office use)

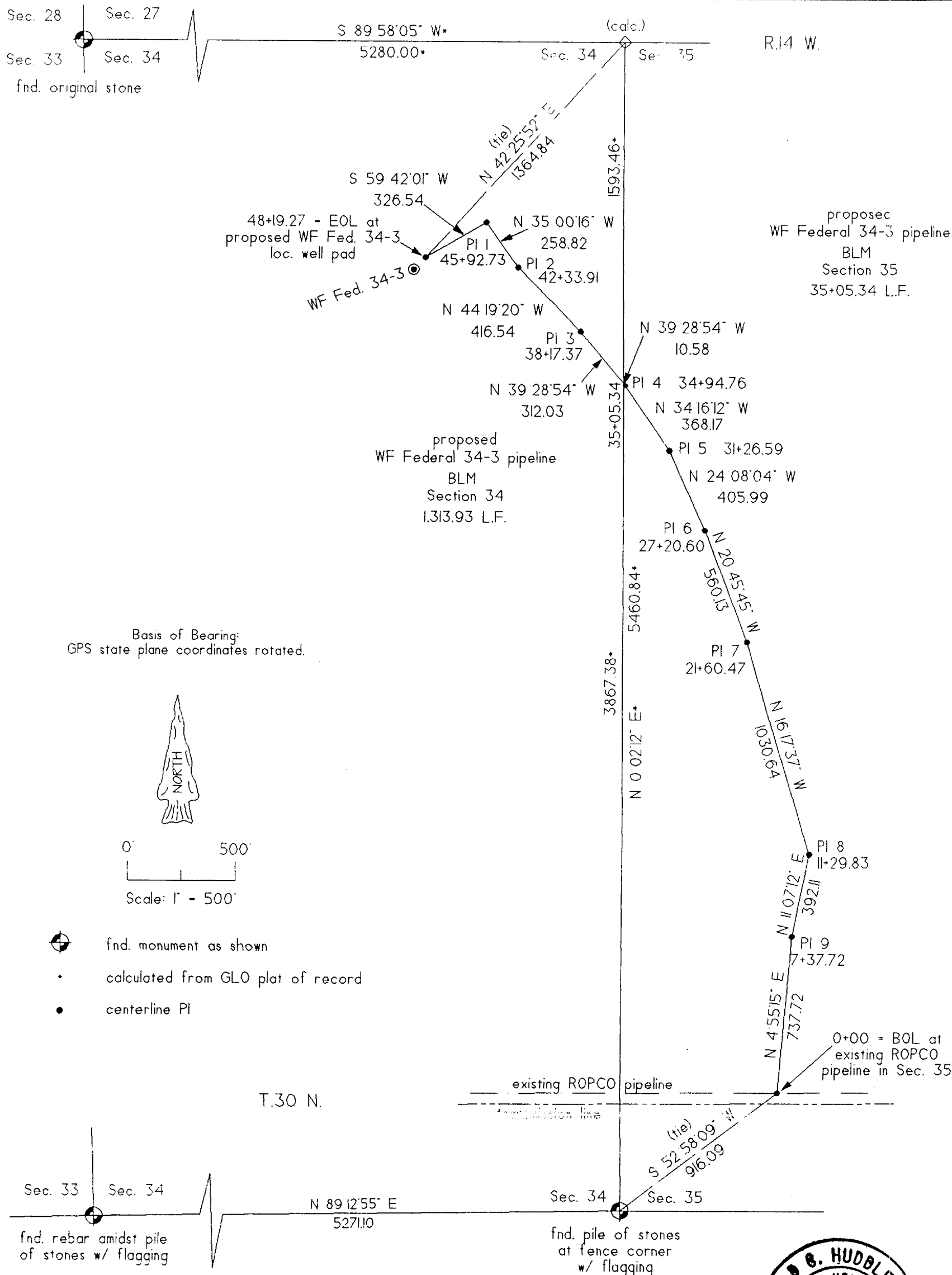
Approved by

Title

Date

Conditions of approval, if any:





RICHARDSON OPERATING COMPANY

Proposed WF Federal 34-3 pipeline
 Sections 34 and 35.
 T.30 N., R.14 W., NMPM.
 San Juan County, New Mexico

November 1999

HUDDLESTON LAND SURVEYING
 P.O. BOX KK - CORTEZ, COLORADO 81321 - (970) 565-3330