

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
 DRILL DEEPEN 200 NOV -3 PM 1:01

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Richardson Operating Co. (303) 830-8000

3. ADDRESS AND TELEPHONE NO.
 1700 Lincoln, Suite 1700, Denver, Co. 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface 1100' FSL & 1800' FEL
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 5 air miles NE of Kirtland, NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)
 1100'

16. NO. OF ACRES IN LEASE
 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 2,582'

19. PROPOSED DEPTH
 1,490'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5,665' ungraded ground

22. APPROX. DATE WORK WILL START*
 July 20, 2000

5. LEASE DESIGNATION AND SERIAL NO.
 NMNM-25857

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 N/A

7. UNIT AGREEMENT NAME
 N/A 23338

8. FARM OR LEASE NAME, WELL NO.
 WF Fed. 21 #3

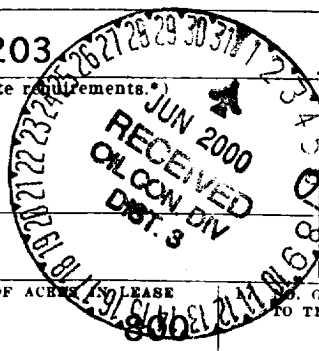
9. AP WELL NO.
 30045-30261

10. FIELD AND POOL, OR WILDCAT
 Twin Mounds PC, Ext. Kirtland sand/PC

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 21-30n-14w NMPM

12. COUNTY OR PARISH
 San Juan

13. STATE
 NM



PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8-3/4"	7" (K-55)	20#	120'	~36 cu ft & to surface
6-1/4"	4-1/2" (K-55)	10.5#	1,490'	~270 cu ft & to surface

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3, and appeal pursuant to 43 CFR 3165.4.

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHE "GENERAL REQUIREMENTS"

The Surface Use Plan portion of the APD is also a BLM road right-of-way application and Plan of Development. The APD will amend Richardson's existing BLM road right-of-way grant NM-99904. Newly applied for portion is 25' wide and 9,890.68' long (1.5 mile existing road + 1,970.68' new or upgraded road) = 5.68 acres in W2E2 Sec. 28 and S2NW4 & W2NE4 Sec. 33, T. 30 N., R. 14 W. The route was on sited with Neel McBride.

cc: BLM (& OCD), Colby

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE Consultant (505) 466-8120 DATE 5-1-00

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY /s/ Jim Lovato TITLE _____ DATE MAY 31 2000

*See Instructions On Reverse Side

[Handwritten initials]

[Handwritten initials]

Hubbs, NM 88241-1980
 District II
 District III
 District IV

State of New Mexico
 Energy, Minerals & Natural Resources Department

Form C-102
 Revised February 21, 1994
 Instructions on back
 Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
 PO Box 2088
 Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 36-045-3026 1	Pool Code 78160 86620	Pool Name Havertill Fruitland sand/ TWIN MOUNDS PC EXT.
Property Code 23338	Property Name WF Federal	Well Number 21-3
OGRID No. 019219	Operator Name RICHARDSON OPERATING COMPANY	Elevation 5665'

10 Surface Location

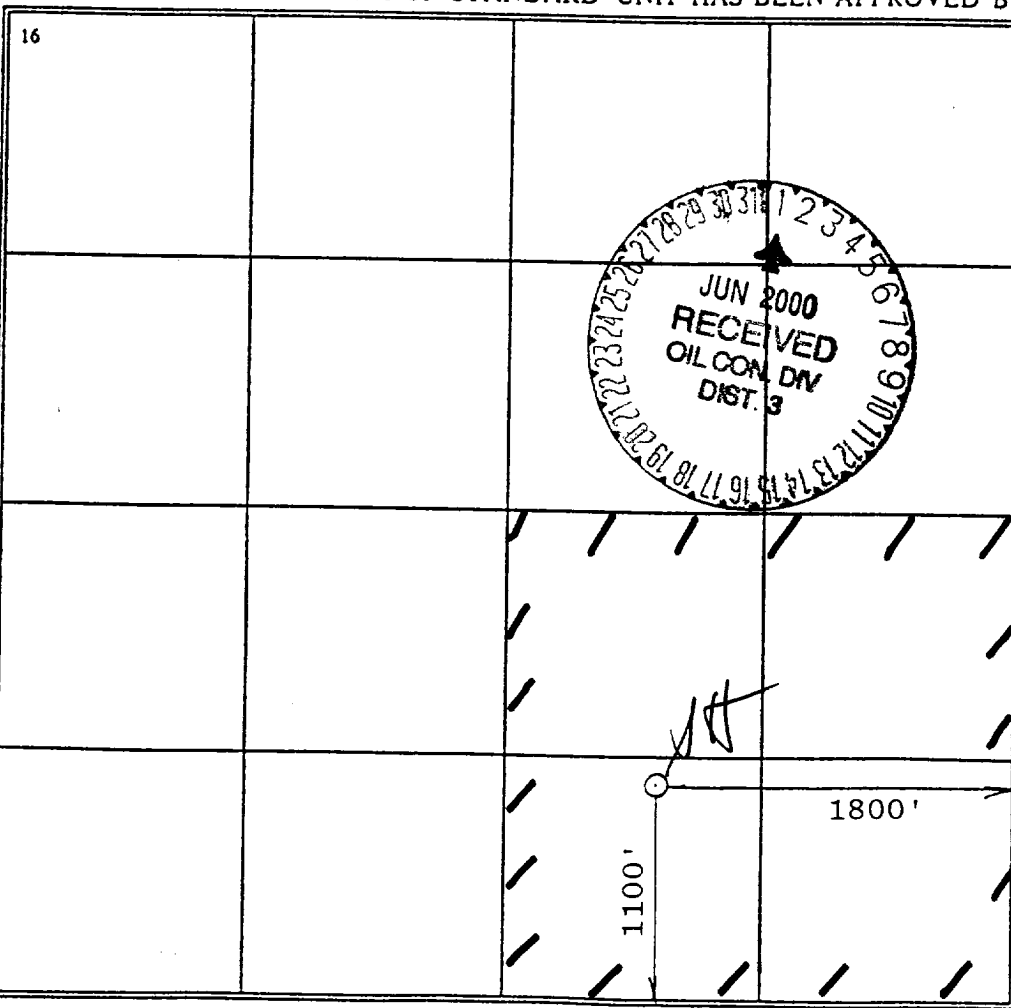
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	21	30 N	14 W		1100	South	1800	East	San Juan

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 160 SEA	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Signature: *Brian Wood*
 Printed Name: BRIAN WOOD
 Title: CONSULTANT
 Date: MAY 1, 2000

18 SURVEYOR CERTIFICATION

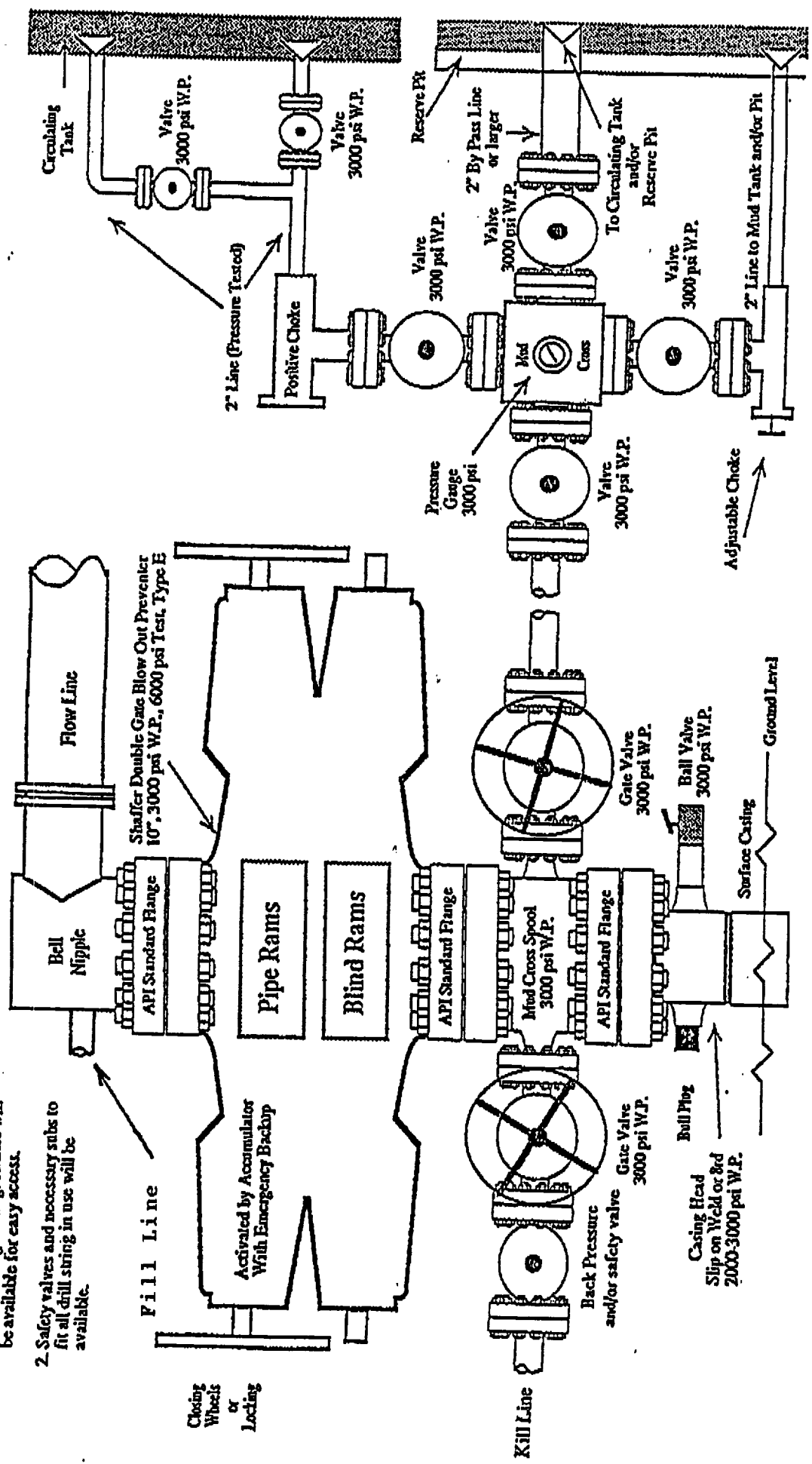
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey: _____
 Signature: *G. H. HUBBS*
 Registered Land Surveyor
 6844

Certificate Number: _____

Pressure Control Equipment

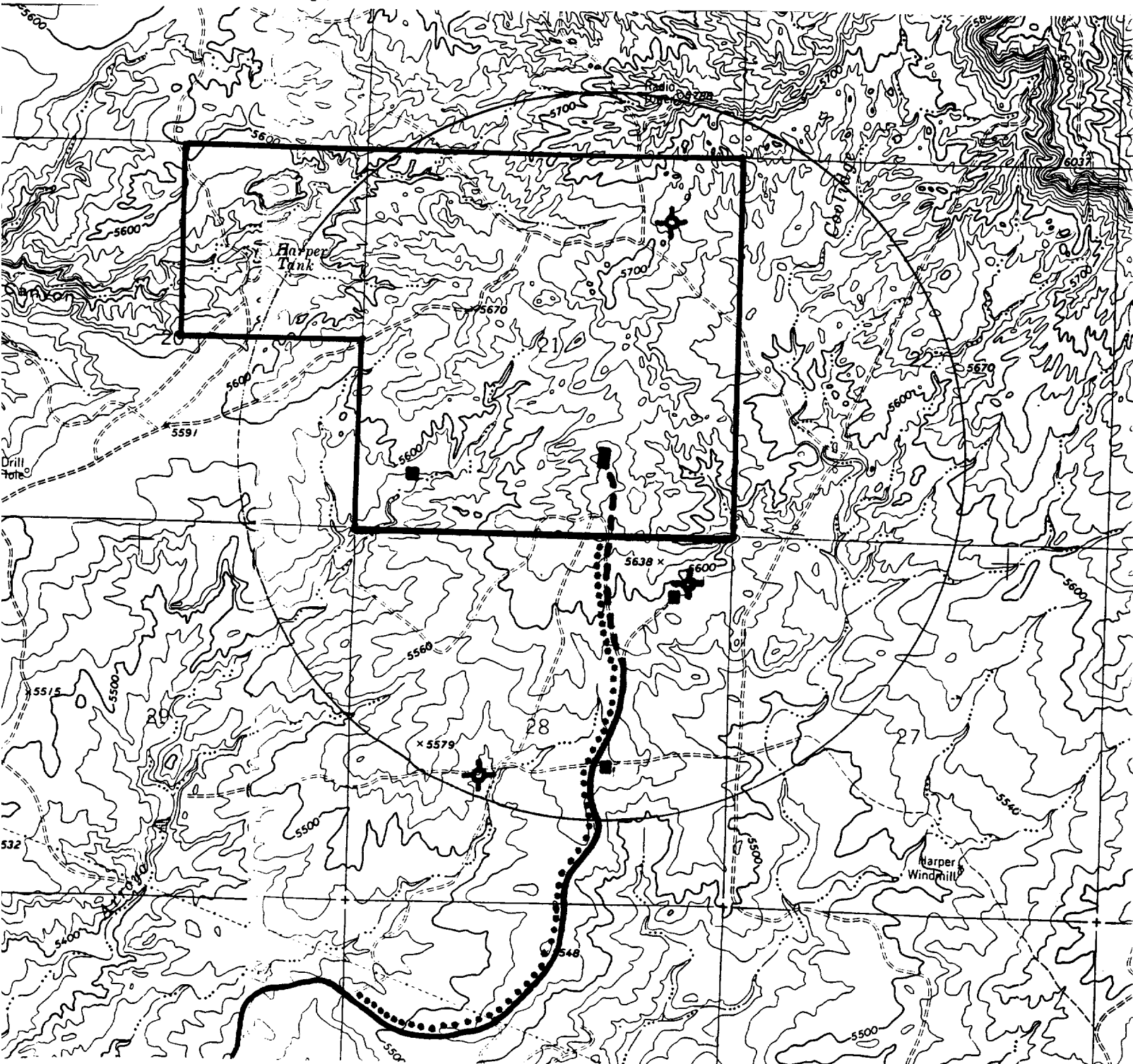
- Note:** 1. An upper Kelly cock valve will be utilized during drilling. Handle will be available for easy access.
2. Safety valves and necessary subs to fit all drill string in use will be available.



Minimum 2" Choke Line.
 Minimum 2" Kill Line.
 At Least One 2" Minimum Kill Line Valve.

Note: This equipment is designed to meet requirements for a 2-M rating standard per 43 CFR part 3160 (amended). Proper operation and testing of equipment will be carried out per standard. 2,000 psi equipment can be substituted in the drawing to meet minimum requirements per standard.

Richardson Operating Co.
WF Federal 21 #3
1100' FSL & 1800' FEL
Sec. 21, T. 30 N., R. 14 W.
San Juan County, New Mexico



PROPOSED WELL: ■
EXISTING WELL: ■
PROPOSED ROAD: - - -
EXISTING ROAD: ~
R/W APPLN: •••
LEASE: L