

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 30 AM

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 St., Suite 1700, Denver, Co. 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

685' FNL & 1855' FWL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

2 air miles NE of Kirtland

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

785'

16. NO. OF ACRES IN LEASE

2,523.72

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

1800'

19. PROPOSED DEPTH

1,000'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

NW/4

158.9

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,380' ungraded

22. APPROX. DATE WORK WILL START*

Dec. 10, 2000

5. LEASE DESIGNATION AND SERIAL NO.

NMSF-079968

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

9. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME WELL NO.

27506

9. API WELL NO.

30045-30443

10. FIELD AND PROD. OF WELL

Twin Mounds PC

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

C 4-29n-14w NMPM

12. COUNTY OR PARISH

San Juan

NM

PROPOSED CASING AND CEMENTING PROGRAM

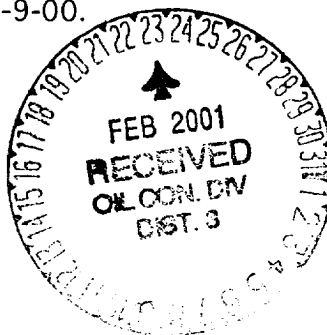
SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8-3/4"	K-55 7"	20	120'	≈36 cu. ft. & to surface
6-1/4"	K-55 4-1/2"	10.5	1,000'	≈180 cu. ft. & to surface

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 ATTACHED
"GENERAL REQUIREMENTS"

On sited with Neel McBride.

Archaeology report: LPAC 2000-31f-2 filed 10-9-00.



cc: BLM, Colby, OCD (via BLM)

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. Consultant (505) 466-8120 11-23-00

SIGNED

TITLE

DATE

(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

TITLE

DATE

*See Instructions On Reverse Side

NMOCD

State of New Mexico
Energy, Minerals & Mining Resources Department

Form C - 102

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

NOV 30 AM 9:50

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

APA Number 30-045-30443	Pool Code 86620	Pool Name TWIN MOUNDS PC
Property Code 27506	Property Name ROPCO	Well Number 4 - 4
OGRID No. 019219	Operator Name - RICHARDSON OPERATING COMPANY	Elevation 5380'-

Surface Location

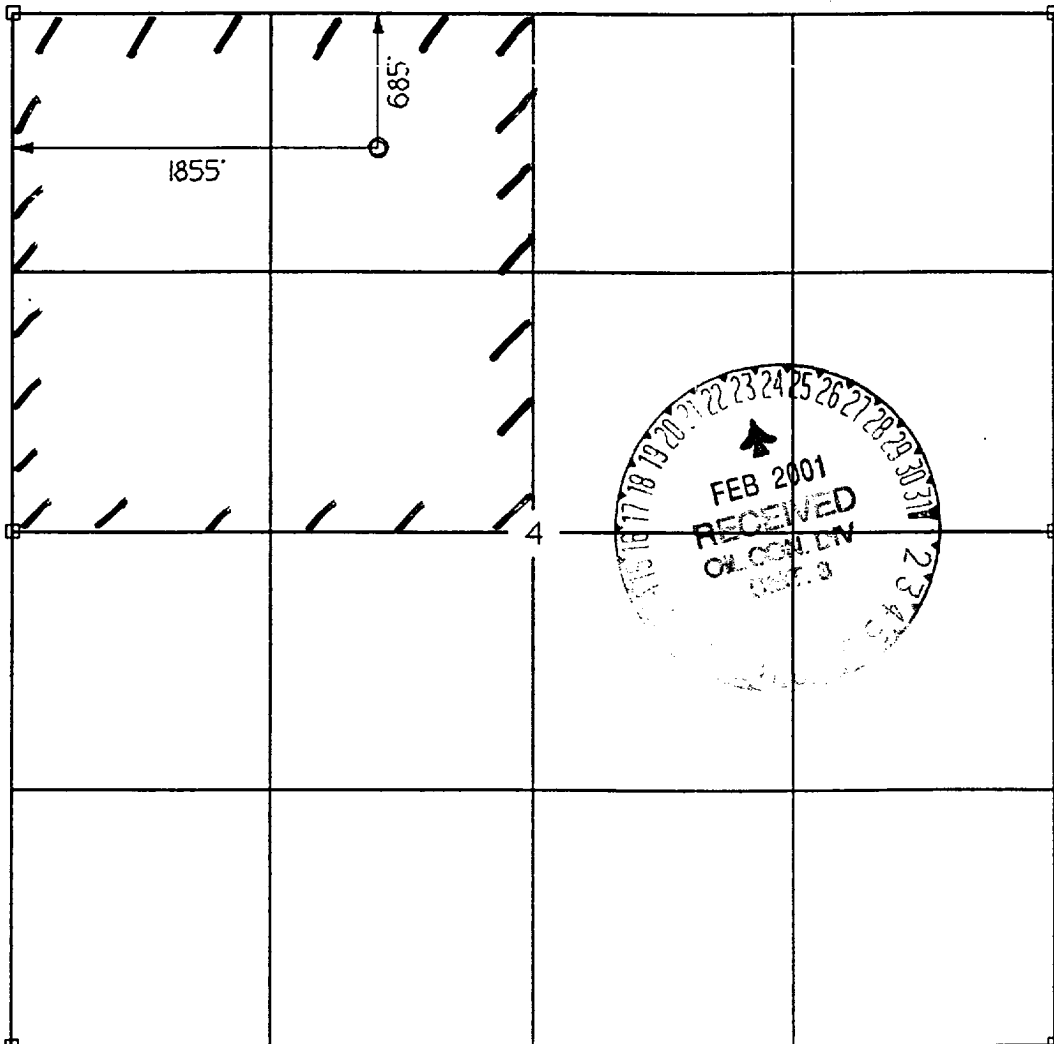
UL or Lot C	Sec. 4	Twp. 29 N.	Rge. 14 W.	Lot Lch.	Feet from > .685	North/South NORTH	Feet from > 1855	East/West WEST	County SAN JUAN
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Bottom Hole Location If Different From Surface

UL or Lot	Sec.	Twp.	Rge.	Lot Lch.	Feet from >	North/South	Feet from >	East/West	County
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Dedication 158.9 NW	Joint ?	Consolidation	Order No.
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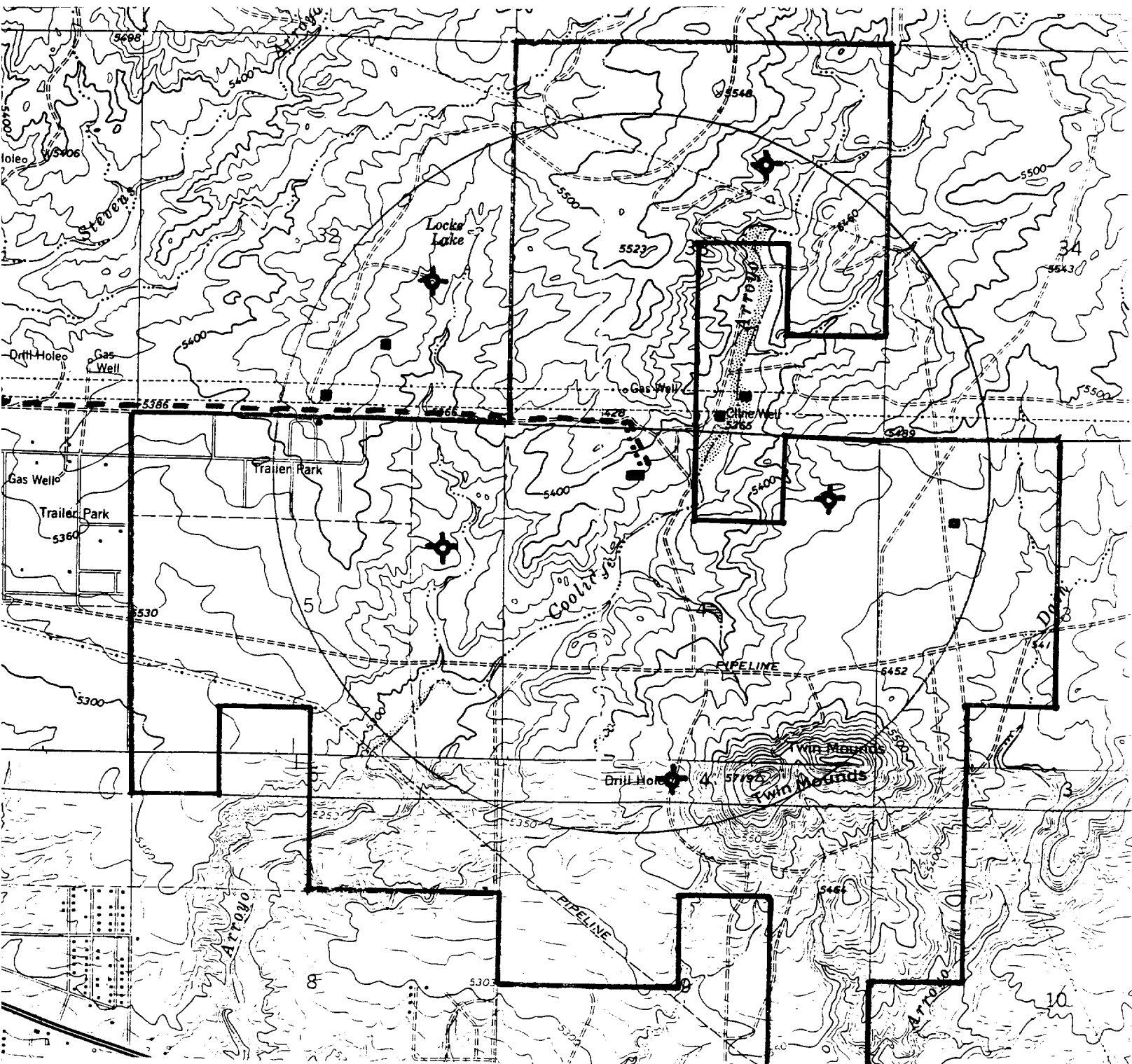
NO ALLOWABLE WILL ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <i>Brian Wood</i> Printed Name BRIAN WOOD Title CONSULTANT Date NOV. 23, 2000	
SURVEYOR CERTIFICATION I hereby certify that the well location 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 REV: SEPTEMBER 2000 Signature and Seal of Professional Surveyor 	

Richardson Operating Co.
 Ropco 4 #4
 685' FNL & 1855' FWL
 Sec. 4, T. 29 N., R. 14 W.
 San Juan County, New Mexico

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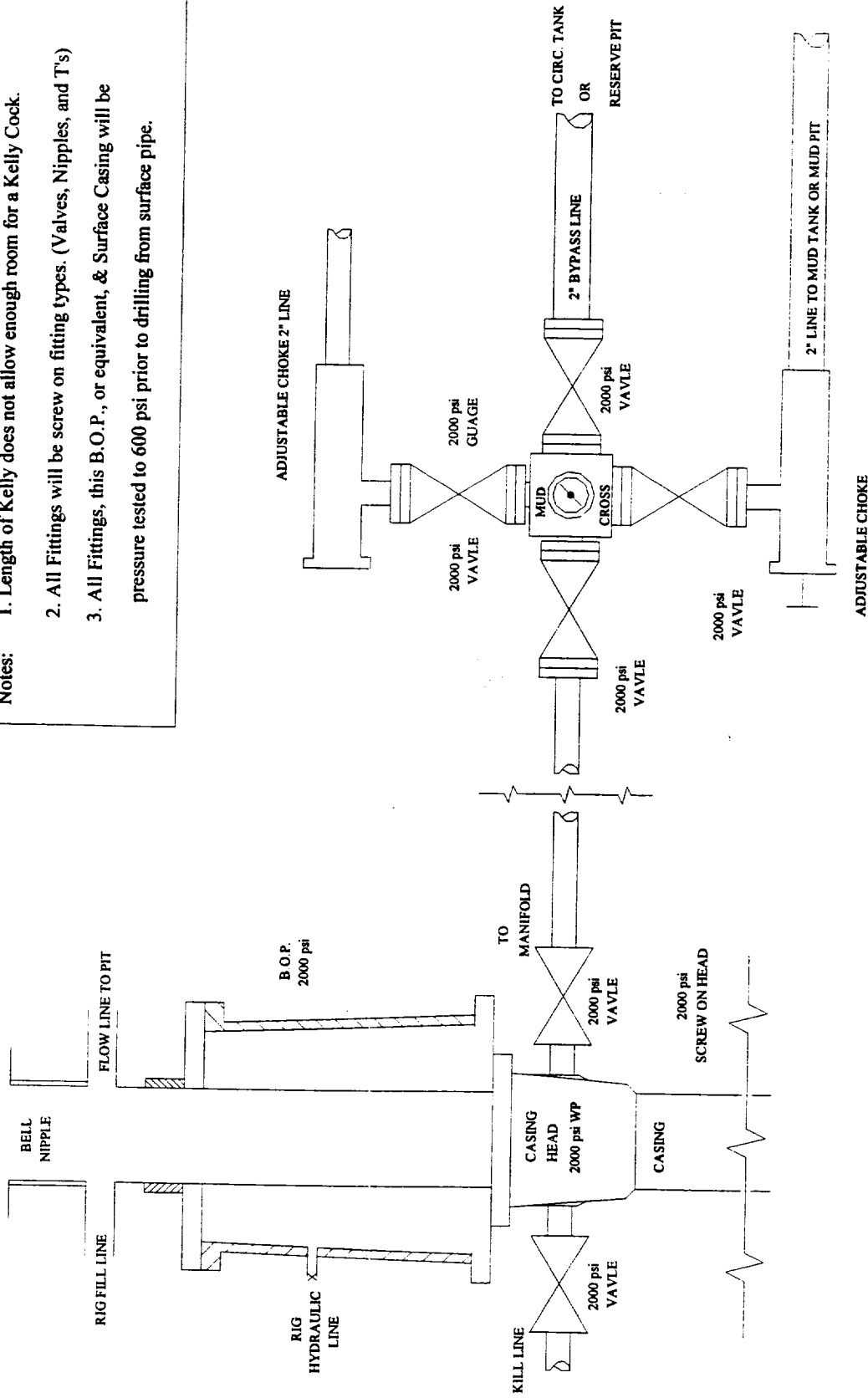
PROPOSED WELL: ■
 EXISTING WELL: ●
 P&A WELL: ⊕

PROPOSED PIPES: -.-
 EXISTING ROAD: - - -
 LEASE: ┌

PERMITS WEST INC.
 PROVIDING PERMITS for LAND USERS

BLOW OUT PREVENTOR (B.O.P.)

- Notes:
1. Length of Kelly does not allow enough room for a Kelly Cock.
 2. All Fittings will be screw on fitting types. (Valves, Nipples, and T's)
 3. All Fittings, this B.O.P., or equivalent, & Surface Casing will be pressure tested to 600 psi prior to drilling from surface pipe.



•• 2000 psi Rubber hose will be used from Well Head to Manifold & from Well Head to Kill Line.