

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0136  
Expires December 31, 1991

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK **DRILL** ☒ **DEEPEN** ☐

1b. TYPE OF WELL  
OIL ☐ WELL ☐ GAS ☒ WELL ☐ OTHER ☐ SINGLE ☐ ZONE ☐ MULTIPLE ☒ ZONE ☐

2. NAME OF OPERATOR  
*Richardson Operating Company*

3. ADDRESS OF OPERATOR  
*c/o Walsh Engineering 7415 E. Main St., Farmington, NM 87402 (505) 327-4892*

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At Surface *1060' FNL and 975' FEL*  
At proposed Prod. Zone

5. LEASE DESIGNATION AND SERIAL NO  
*NM-206995*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
*WF Federal 34*

9. WELL NO.  
*3 API #30-045-29881*

10. FIELD AND POOL OR WILDCAT  
*Twin Mounds PC/Basin FT. Coal*

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
*A Sec. 34, T30N, R14W*

12. COUNTY OR PARISH  
*San Juan*

13. STATE  
*NM*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
*2 miles NE of Farmington, NM*

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
*975'*

16. NO. OF ACRES IN LEASE  
*1008.33 DIST. 3*

17. NO. OF ACRES ASSIGNED TO THIS WELL  
*160 Pk. - N1/320 FTC*

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.  
*3500'*

19. PROPOSED DEPTH  
*1360'*

20. ROTARY OR CABLE TOOLS  
*Rotary*

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
*5587' GR*

22. APPROX. DATE WORK WILL START\*  
*June 1, 1999*

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8-3/4"	7"	17#	120'	36 cu.ft. Cl "B"
6-1/4"	4.5"	10.5#	1360'	196 cu.ft. w/ 2% metasilicate

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"

*Richardson Operating Company proposes to drill a vertical well to develop the Pictured Cliffs and Fruitland Coal form at the above described location in accordance with the attached drilling and surface use plans.*

*This location has been archaeologically surveyed by Moore Anthropological Research. Copies of their report have been submitted directly to your office.*

*This APD also is serving as an application to obtain BLM road and pipeline right-of-ways. This well will be accessed by an existing road which crosses the NE/NE of section 34, and the W2/W2 of section 35, T30N, R14W, where it joins the Twin Mounds bypass road. The pipeline route is described on Plat #4.*

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, 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 *Paul C. Thompson* TITLE *Paul C. Thompson, Ager* DATE *3/19/99*

(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 *WAYNE TOWNSEND* TITLE *A.T.C* DATE *9-30-99*

**\*See Instructions On Reverse Side**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

THE UNIVERSITY OF CHICAGO  
DIVISION OF THE PHYSICAL SCIENCES  
DEPARTMENT OF CHEMISTRY  
5708 S. UNIVERSITY AVE. CHICAGO, ILL. 60637

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5708 S. UNIVERSITY AVE. CHICAGO, ILL. 60637

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
PO Drawer 00, Artesia, NM 88211-0719

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Dept

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

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

99 MAR 19 PM 12:30 ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-29881	*Pool Code 881620	*Pool Name HARPER HILL TWIN MOUNDS FRUITLAND SAND PICTURED CLIFF
*Property Code 24406	*Property Name WF FEDERAL 34	*Well Number 34-3
*GRID No. 019219	*Operator Name RICHARDSON OPERATING COMPANY	*Elevation 5587'

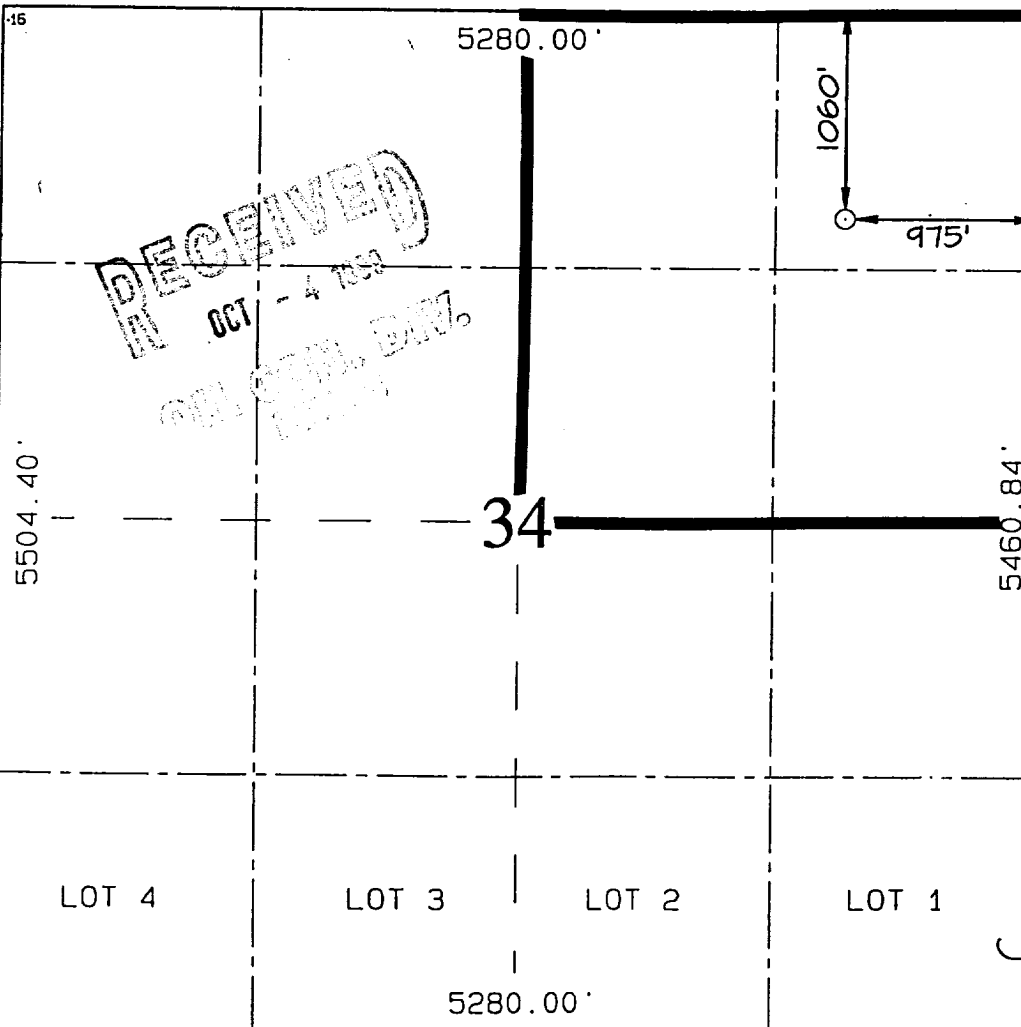
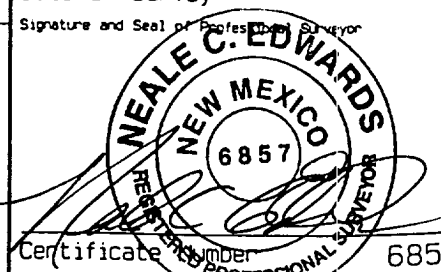
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	34	30N	14W		1060	NORTH	975	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
12 Dedicated Acres 160		13 Joint or Infill Y		14 Consolidation Code		15 Order No.			

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

16				17 OPERATOR CERTIFICATION			
				I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.			
				Signature Paul C. Thompson			
				Printed Name Paul C. Thompson			
				Agent			
				Title 3/19/99			
Date							
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.							
FEBRUARY 25, 1999							
Date of Survey							
Signature and Seal of Professional Surveyor							
							
Certificate Number 6857							

District I  
Box 1900, Hobbs, NM 88241-1900  
District II  
South First, Artesia, NM 88210  
District III  
Rio Brazos Rd., Aztec, NM 87410  
District IV  
South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-29881	<sup>2</sup> Pool Code 71629	<sup>3</sup> Pool Name Basin Fruitland Coal
<sup>4</sup> Property Code 24406	<sup>5</sup> Property Name WF Federal	<sup>6</sup> Well Number 343
<sup>7</sup> OGRID No. 019219	<sup>8</sup> Operator Name Richardson Operating Company	<sup>9</sup> Elevation 5587'

<sup>10</sup> Surface Location

UL or lot no. A	Section 34	Township 30N	Range 14W	Lot Idn	Feet from the 1060	North/South line North	Feet from the 975	East/West line East	County San Juan
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<sup>11</sup> 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
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<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill Y	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<sup>16</sup>	NM-0206995			<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Cathleen Colby Signature Cathleen Colby Printed Name Land Manager Title October 12, 1999 Date
<sup>18</sup> 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 and Seal of Professional Surveyor:  Certificate Number				

New Mexico Oil Conservation Division  
C-102 Instructions

THIS IS AN AMENDED REPORT. CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

Surveyors shall use the latest United States government survey or independent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed contact the appropriate OCD district office. Independent subdivision surveys will not be acceptable.

1. The OCD assigned API number for this well
2. The pool code for this (proposed) completion
3. The pool name for this (proposed) completion
4. The property code for this (proposed) completion
5. The property name (well name) for this (proposed) completion
6. The well number for this (proposed) completion
7. Operator's OGRID number
8. The operator's name
9. The ground level elevation of this well
10. The surveyed surface location of this well measured from the section lines. NOTE: If the United States government survey designates a Lot Number for this location use that number in the 'UL or lot no.' box. Otherwise use the OCD unit letter.
11. Proposed bottom hole location. If this is a horizontal hole indicate the location of the end of the hole.
12. The calculated acreage dedicated to this completion to the nearest hundredth of an acre
13. Put a Y if more than one completion will be sharing this same acreage or N if this is the only completion on this acreage
14. If more than one lease of different ownership has been dedicated to the well show the consolidation code from the following table:

C	Communitization
U	Unitization
F	Forced pooling
O	Other
P	Consolidation pending

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!

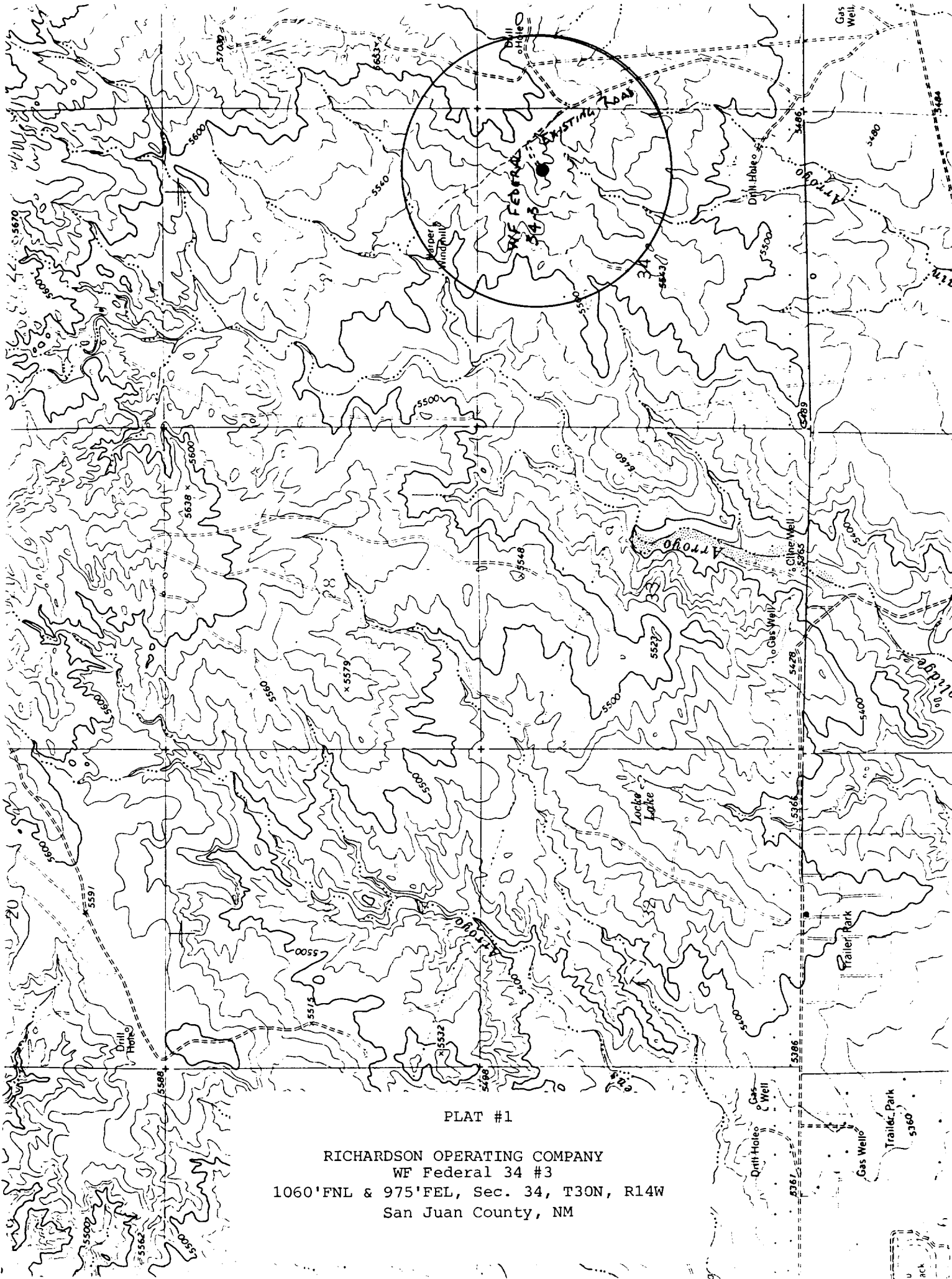
15. Write in the OCD order(s) approving a non-standard location, non-standard spacing, or directional or horizontal drilling
16. This grid represents a standard section. You may superimpose a non-standard section over this grid. Outline the dedicated acreage and the separate leases within that dedicated acreage. Show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. (Note: A legal location is determined from the perpendicular distance to the edge of the tract.) If this is a high angle or horizontal hole show that portion of the well bore that is

open within this pool.

Show all lots, lot numbers, and their respective acreage.

If more than one lease has been dedicated to this completion, outline each one and identify the ownership as to both working interest and royalty.

17. The signature, printed name, and title of the person authorized to make this report, and the date this document was signed.
18. The registered surveyors certification. This section does not have to be completed if this form has been previously accepted by the OCD and is being filed for a change of pool or dedicated acreage.



PLAT #1

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