

RECEIVED
MAR 12 1999
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
OIL & GAS DIV.
DIST. 3

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK		5. LEASE DESIGNATION AND SERIAL NO. SF-079968	
1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
1b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		7. UNIT AGREEMENT NAME 24390	
2. NAME OF OPERATOR Richardson Operating Company		8. FARM OR LEASE NAME WF Federal 5	
3. ADDRESS OF OPERATOR c/o Walsh Engineering 7415 E. Main St., Farmington, NM 87402 (505) 327-4892		9. WELL NO. 2	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At Surface 1655' FSL and 1570' FWL At proposed Prod. Zone		10. FIELD AND POOL OR WILDCAT Twin Mounds PC/Basin Fruit. Coal	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 1 mile north of Kirtland, NM		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA K Sec. 5, T29N, R14W	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 985'	16. NO. OF ACRES IN LEASE 2523.72	17. NO. OF ACRES ASSIGNED TO THIS WELL W/319.35 160 PC & 320 Fruitland Coal	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. 1975'	19. PROPOSED DEPTH 830'	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5320' GR		22. APPROX. DATE WORK WILL START* April 1, 1999	

API# 30-045-29853

23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	QUANTITY OF CEMENT
8-3/4"	7"	20#	36 cu.ft. Cl "B"
6-1/4"	4.5"	10.5#	113 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 formations at the above described location in accordance with the attached drilling and surface use plans. The production will be commingled downhole.

This location has been archaeologically surveyed by La Plata Archeological Consultants. Copies of their report have been submitted directly to your office.

This location is located on fee surface and a surface owners agreement is attached with this APD.

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.

SIGNED <u>Paul C. Thompson</u>	TITLE <u>Paul C. Thompson, Agent</u>	DATE <u>2/22/98</u>
MAR 10 1999		
(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 <u>/s/ Duane W. Spencer</u> TITLE <u>Team Lead, Petroleum Management</u> DATE <u>MAR 10 1999</u>		

***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.

OK

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Huerfano Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-045-29853		2. Pool Code 71629		3. Pool Name Basin Fruitland Coal	
4. Property Code 26390		5. Property Name WF Federal 5			6. Well Number 5-2
7. OGRID No. 019219		8. Operator Name RICHARDSON OPERATING CO.			9. Elevation 5320'

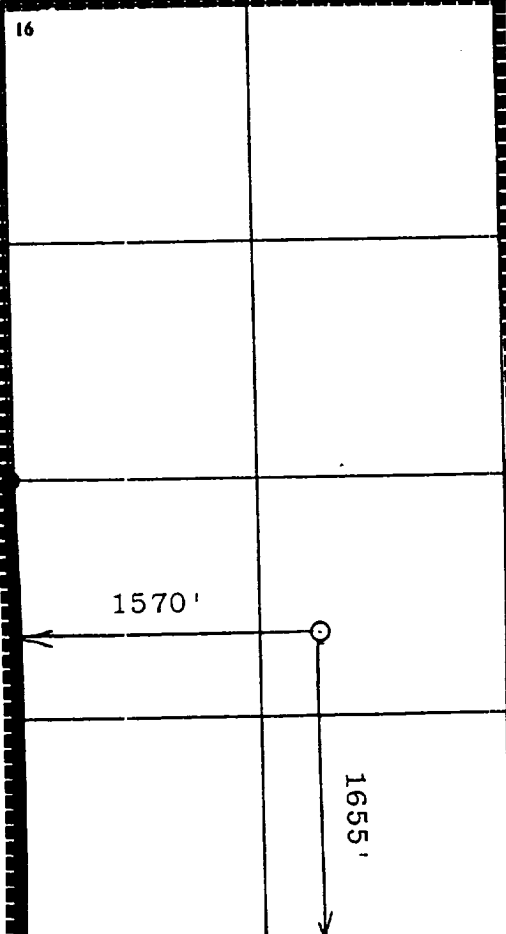
10. Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
K	5	29 N	14 W		1655	South	1570	West	San Juan

11. Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
12. Dedicated Acres 3203.935 Y		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

<div>16</div> 	<div>RECEIVED MAR 12 1999 OIL CON. DIV. DIST. 3</div>	<div>17 OPERATOR CERTIFICATION</div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Paul C. Thompson</i> Signature Paul C. Thompson Printed Name Agent Title 2/23/99 Date</p>
		<div>18 SURVEYOR CERTIFICATION</div> <p>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 knowledge and belief</p> <p>72908 Date of Survey Signature Seal of Professional Surveyor 6844 REGISTERED LAND SURVEYOR Certificate Number</p>

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WELL LOCATION AND ACREAGE DEDICATION PLAT

APN Number 30-045-29853		Pool Code 86620	Pool Name Twin Mounds Pictured Cliffs
Property Code	Property Name WF Federal 5		Well Number 5 - 2
OCRID No. 019219	Operator Name RICHARDSON OPERATING CO.		Elevation 5320'

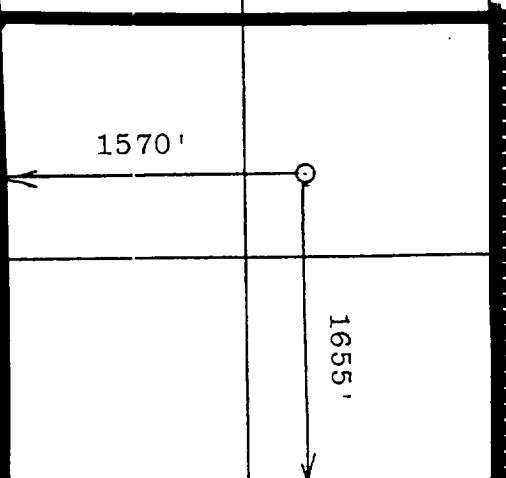
¹⁰ Surface Location

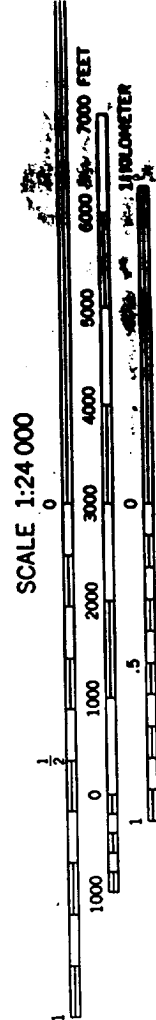
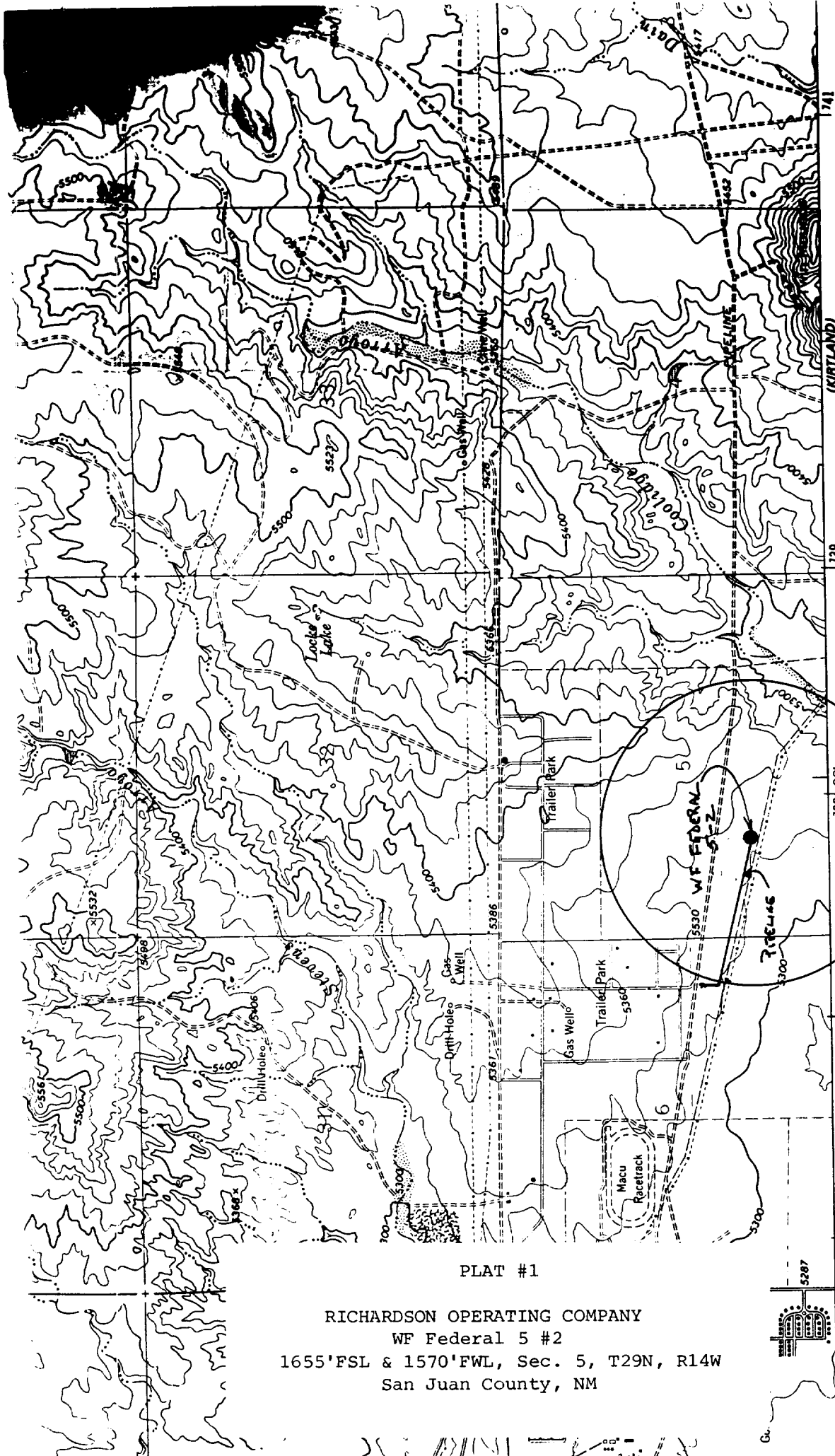
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
K	5	29 N	14 W		1655	South	1570	West	San Juan

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	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.			

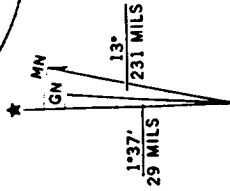
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CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACTUARY STANDARDS



UTM GRID AND 1979 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

PLAT #1
RICHARDSON OPERATING COMPANY
WF Federal 5 #2
1655'FSL & 1570'FWL, Sec. 5, T29N, R14W
San Juan County, NM

and published by the Geological Survey

USNOAA, and U. S. Bureau of Reclamation

grammetric methods from aerial

358 and 1962. Field checked 1963

1927 North American Datum

ed on New Mexico coordinate system, west zone

al Transverse Mercator grid ticks,

lue

s indicate selected fence lines

lines have not been established