

**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 ☐ **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 975' FSL and 1855' FEL
At proposed Prod. Zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
1 mile north of Kirtland, NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
822'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.
1975'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5320' GR

23. PROPOSED CASING AND CEMENTING PROGRAM				QUANTITY OF CEMENT
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	
8-3/4"	7"	20#	120'	36 cu.ft. Cl "B" <i>Surface</i>
6-1/4"	4.5"	10.5#	800'	113 cu.ft. w/ 2% metasiltite <i>Surface</i>
				59 cu.ft. Cl "B"

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 formation at the above described location in accordance with the attached drilling and surface use plans.

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.

24. SIGNED *Paul C. Thompson* TITLE Paul C. Thompson, Agent DATE 2/22/98

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE **MAR 10 1999**

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/ Duane W. Spencer* TITLE Team Lead, Petroleum Management DATE MAR 10 1999

***See Instructions On Reverse Side**

Title 13 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.

HELD FOR ASL

NMOCD

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer 810, Artesia, NM 88211-8719
District III
1008 Kin Hume Rd., Aztec, NM 87418
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

API Number 30-045-29852	Paul Code 86620	Paul Name Twin Mounds Pictured Cliffs
Property Code 24390	Property Name WF Federal 5	Well Number 5293
OC/MID No. 019219	Operator Name RICHARDSON OPERATING COMPANY	Elevation 5290'

10 Surface Location

UL of lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	5	29 N	14 W		975	South	1855	East	San Juan

11 Bottom Hole Location If Different From Surface

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

12 Undeclared Acres 160	13 Joint or Infill Y	14 Consolidation Code	15 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

<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 belief.</p> <p>CLAYTON G. HUBBOLD Date of Survey Signature 6844 Certificate Number</p>	

