

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NMNM-89026
1b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Coalbed Methane <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
2. NAME OF OPERATOR RICHARDSON OPERATING COMPANY		7. UNIT AGREEMENT NAME N/A
3. ADDRESS OF OPERATOR PERMITCO INC. - Agent		8. FARM OR LEASE NAME WELL NO. 20885 Bushman Federal #6 #1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At Surface 1041' FSL and 1136' FEL At proposed Prod. Zone SE SE Sec. 6		9. API WELL NO. 30-045-29459
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 1.5 Miles northeast of Kirtland, NM		10. FIELD AND POOL OR WILDCAT Wildcat Basin Fruitland Coal
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1041'		11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA P Sec. 6, T29N - R14W
16. NO. OF ACRES IN LEASE 552.8		12. COUNTY OR PARISH San Juan
17. NO. OF ACRES ASSIGNED TO THIS WELL 160/320		13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. None This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.		19. PROPOSED DEPTH 800'
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* Immediately Upon Approval **
23. PROPOSED CASING AND CEMENTING PROGRAM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT
8-3/4"	7"	20#
6-1/4"	4-1/2"	10.5#
SETTING DEPTH	QUANTITY OF CEMENT	
130'	35 sx - Circ. to Surf.	
800'	100 sx - Circ. to Surf.	

Richardson Operating Company proposes to drill a well to 800' to test the Pictured Cliffs/Fruitland Coal Formation. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of New Mexico requirements.

See Onshore Order No. 1 attached.

Richardson Operating Company has been designated by proper lease interest owners to conduct operations on the above mentioned lease. Bonding will be covered under Richardson's Statewide Bond No. NM-1711.

CONFIDENTIAL - TIGHT HOLE

** LEASE EXPIRES MAY 31, 1997

RECEIVED
MAY 20 1997

OIL CON. DIV.

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 [Signature] TITLE _____ DATE 04/22/97
(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

MAY 14 1997

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 Duane W. Spencer

TITLE

DATE

MAY 14 1997

*See Instructions On Reverse Side

1-1

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.

NMCCD

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, 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 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 <u>30-045-29459</u>	Pool Code <u>86620/71629</u>	Pool Name <u>TWIN MOUNDS FRT SND BASIN</u> Pictured Cliffs/Fruitland Coal
Property Code <u>20885</u>	Property Name Bushman Federal <u>6</u>	Well Number <u>8-1</u>
GRID No. 019219	Operator Name RICHARDSON OPERATING CO.	Elevation 5290'

10 Surface Location



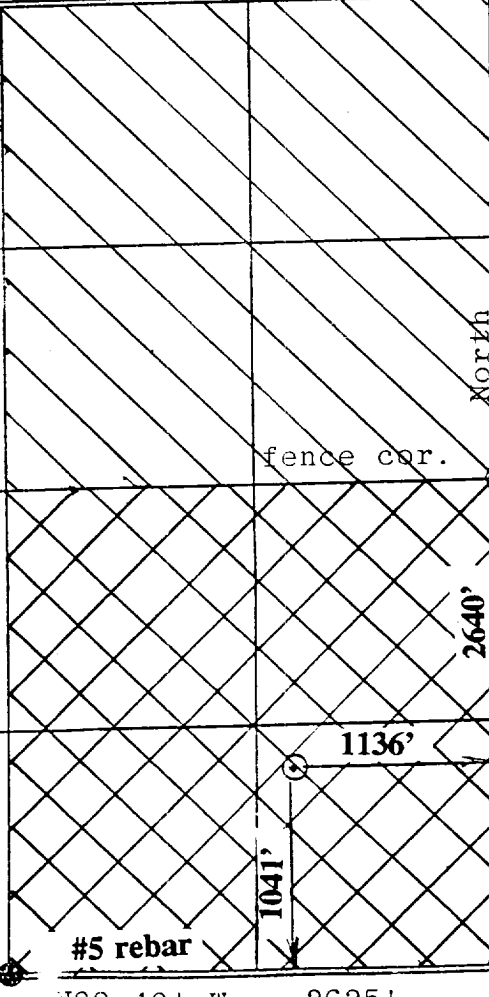
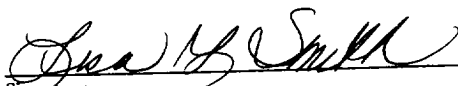
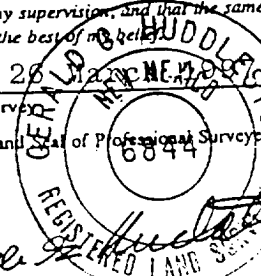
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	6	29 N	14 W		1041	South	1136	East	San Juan

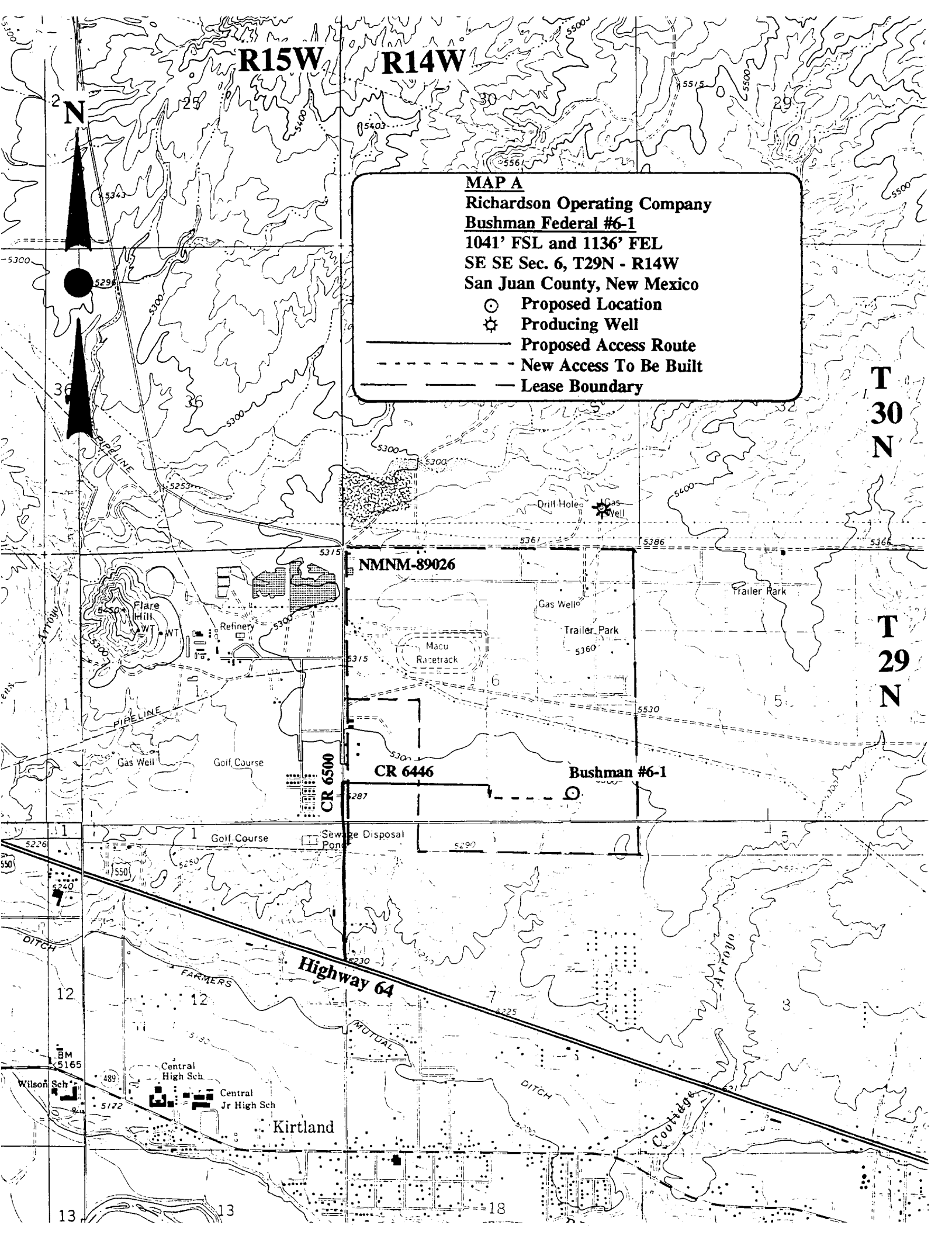
11 Bottom Hole Location If Different From Surface

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 160/320	13 Joint or Infill	14 Consolidation Code To be commun	15 Order No. itized
-------------------------------	--------------------	---------------------------------------	------------------------

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 See attached for Royalty, ORRI and WI Owners  Pictured Cliffs  Fruitland Coals RECEIVED MAY 20 1997 OIL CON. DIV. DIST. 3			17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature Lisa L. Smith Printed Name Authorized Agent for: Richardson Operating Company Title Date April 22, 1997
	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 knowledge and belief  Date of Survey Signature and Seal of Professional Surveyor Certificate Number 6844		



R15W

R14W

MAP A

Richardson Operating Company

Bushman Federal #6-1

1041' FSL and 1136' FEL

SE SE Sec. 6, T29N - R14W

San Juan County, New Mexico

- Proposed Location
- ★ Producing Well
- Proposed Access Route
- - - New Access To Be Built
- - - Lease Boundary

T
30
N

T
29
N

NMNM-89026

CR 6500

CR 6446

Bushman #6-1

Highway 64

Kirtland

Central High Sch
Central Jr High Sch

Wilson Sch

BM 5165

DITCH

550

5226

5220

5220

5220

5220

5220

5220

5220

5220

5220

5220

5220