

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1. TYPE OF WORK DRILL ☒ DEEPEN ☐		5. LEASE DESIGNATION AND SERIAL NO. NMNM-99003	
2. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
3. NAME OF OPERATOR Richardson Operating Co. (303) 830-8000		7. UNIT AGREEMENT NAME N/A	
4. ADDRESS AND TELEPHONE NO. 1700 Lincoln St., Suite 1700, Denver, Co. 80203		8. FARM OR LEASE NAME, WELL NO. WF Federal 31 #1	
9. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 809' FNL & 1395' FEL		9. AM WELL NO. 30-045-30716	
10. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 2 air miles N of Kirtland		10. FIELD AND POOL, OR WILDCAT Fr. Coal & TW. Mo. PC	
11. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1395'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 31-30n-14w NMPM	
12. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1660'		12. COUNTY OR PARISH 13 STATE San Juan NM	
13. ELEVATIONS (Show whether DF, RT, GR, etc.) 5,360' ungraded		13. NO. OF ACRES IN LEASE 960	
14. PROPOSED DEPTH 1,000'		14. NO. OF ACRES ASSIGNED TO THIS WELL 320 & 160	
15. ROTARY OR CABLE TOOLS Rotary		15. APPROX. DATE WORK BEGINS Aug. 1, 2001	

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'	≈185 cu. ft. & to surface

Archaeology report LAC-2001-28a filed 6-12-2001.

Subject to technical and
view pursuant to 43 CFR 3160.3
pursuant to 43 CFR 3160.4SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

BEFORE THE

OIL CONSERVATION COMMISSION

Case No. 12734

Exhibit #

Submitted By: Richardson Oper. Co.

Hearing Date: October 28 & 30, 2002

cc: BLM, Colby, OCD (via BLM)

DESCRIBE PROPOSED PROGRAM. If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to unit or
give pertinent data on subsurface geologic and measured and true vertical depths. Give blowout prevention program, if any.

Consultant (505) 466-8120

6-30-01

TITLE

DATE

Application of Richardson Operating
Co.
Record on Appeal, 811.

This space for Federal or State office use

APPROVAL DATE

APPROVAL DATE

Applicant agrees to defend and 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

APPROVAL DATE

TITLE

DATE

*See Instructions On Reverse Side

State of New Mexico
Energy, Minerals & Mining Resources Department

Form C - 102

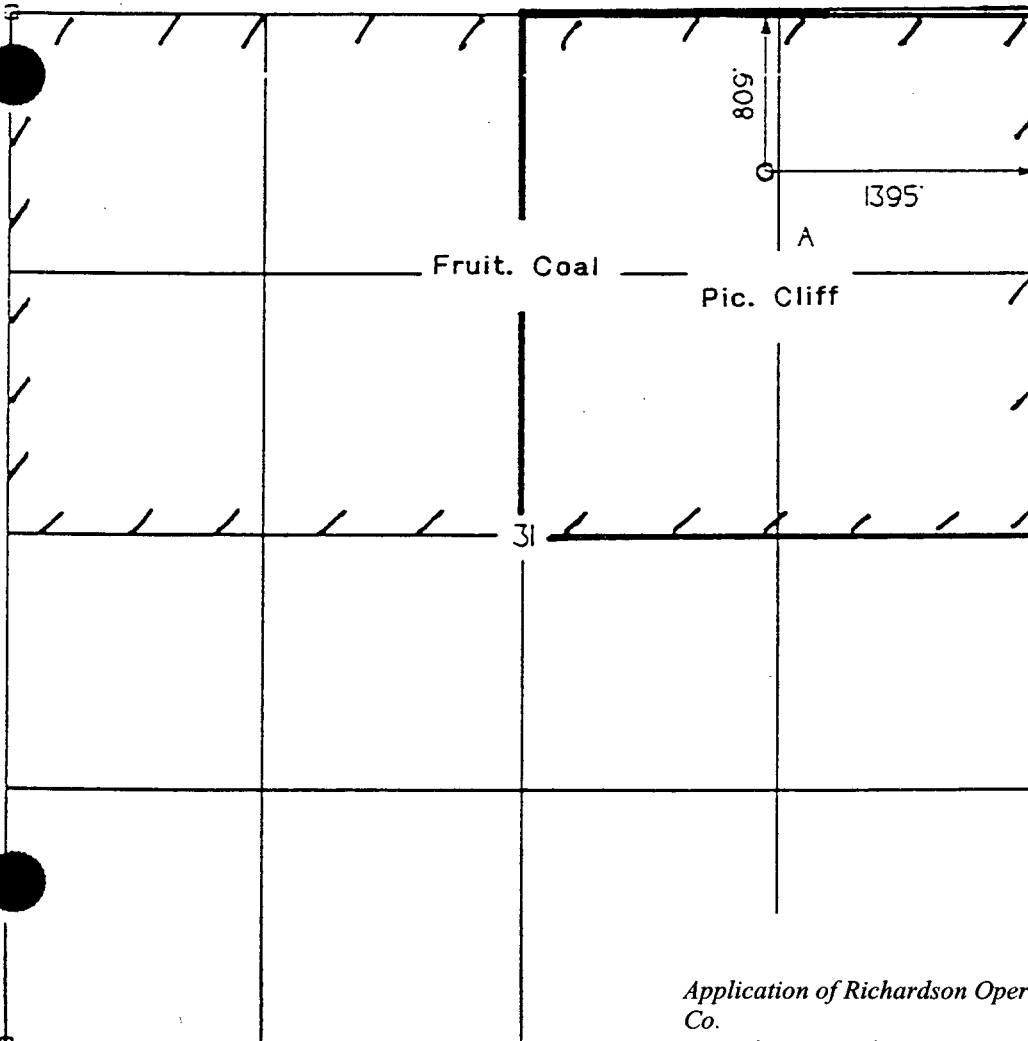
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

APA Number		Pool Code		Pool Name					
		71629 & 86620		FRUIT. COAL & TWIN MOUNDS PIC. CLF.					
Property Code		Property Name						Well Number	
		WF FEDERAL						2001 31 -17	
OGRID No.		Operator Name						Elevation	
019219		RICHARDSON OPERATING COMPANY						5360	
Surface Location									
UL or Lot	Sec.	Twp.	Rge.	Lot Id.	Feet from	North/South	Feet from	East/West	County
A	31	30 N.	14 W.		809'	NORTH	1395'	EAST	SAN JUAN
Bottom Hole Location if Different From Surface									
UL or Lot	Sec.	Twp.	Rge.	Lot Id.	Feet from	North/South	Feet from	East/West	County
Dedication		Joint ?		Consolidation		Order No.			

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

Brian Wood

Printed Name

BRIAN WOOD

Title

CONSULTANT

Date

JUNE 30, 2001

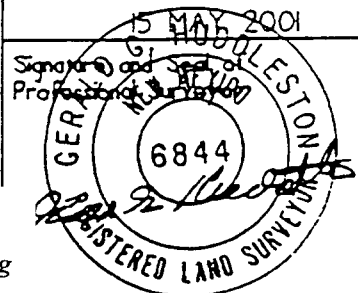
SURVEYOR CERTIFICATION

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

15 MAY 2001

Signature and Seal of Professional Surveyor



Application of Richardson Operating Co.
Record on Appeal, 812.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1. TYPE OF WORK

DRILL ☒

DEEPEN ☐

2. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

3. NAME OF OPERATOR

Richardson Operating Co (303) 830-8000

4. ADDRESS AND TELEPHONE NO.

1700 Lincoln St., Suite 1700, Denver, Co. 80203

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

At surface

732' FNL & 928' FWL

At proposed prod. zone

Same

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

3 air miles N of Kirtland

7. DISTANCE FROM PROPOSED*

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

732'

8. NO. OF ACRES IN LEASE

960

9. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

3354'

10. PROPOSED DEPTH

1,000'

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

5,495' ungraded

12. LEASE DESIGNATION AND SERIAL NO.

NMNM-99003

13. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

14. UNIT AGREEMENT NAME

N/A

15. FARM OR LEASE NAME, WELL NO.

WF Federal 30 #4

16. AP WELL NO.

30-045-30725

17. FIELD AND POOL, OR WILDCAT

Twin Mounds Pic. Clf.

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

30-30n-14w NMPM

19. COUNTY OR PARISH, 20. STATE

San Juan NM

21. DISTANCE FROM PROPOSED*

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

732'

22. NO. OF ACRES IN LEASE

960

23. NO. OF ACRES ASSIGNED
TO THIS WELL

160

24. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

3354'

25. PROPOSED DEPTH

1,000'

26. ROTARY OR CABLE TOOL

Rotary

27. APPROX. DATE WORK WILL START*

Aug. 5, 2001

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'	≈185 cu. ft. & to surface

Archaeology report LAC-2001-28b filed 6-12-2001.

Application of Richardson Operating
Co.

Record on Appeal, 813.

This APD is also serving as a BLM road right-of-way application to amend NMNM-99904.
The 30' x 259.9' long road right-of-way will cross 0.18 acres in the NWNW 30-30n-14w.

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"

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 surface locations and measured and true vertical depths. Give blowout prevention program, if any.

Consultant (505) 466-8120

7-1-01

SIGNED

TITLE

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

9/5/01

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

AFM

DATE

1/5/01

*See Instructions On Reverse Side

OPERATOR

State of New Mexico
Energy, Minerals & Mining Resources Department

Form C - 102

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

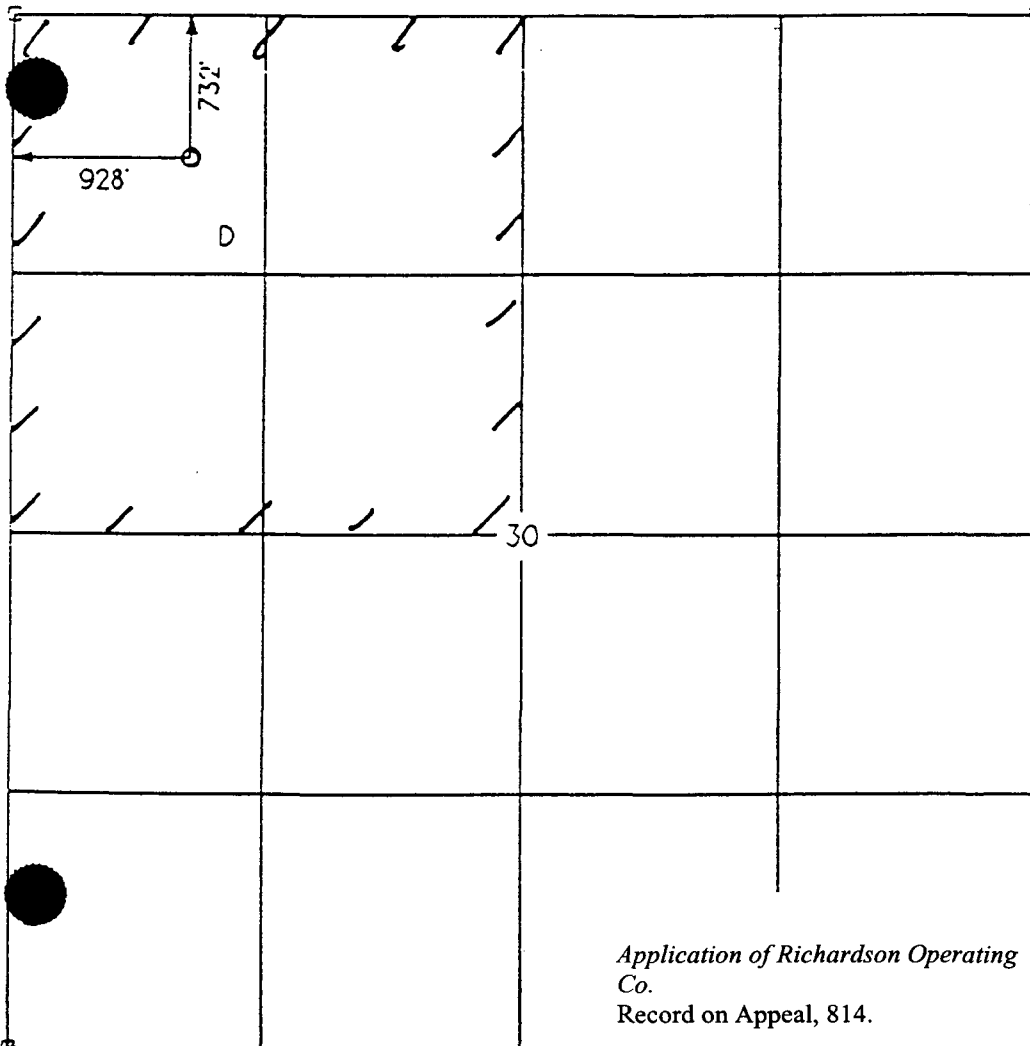
WELL LOCATION AND ACREAGE DEDICATION PLAT

APA Number	Pool Code 86620	Pool Name TWIN MOUNDS PICTURE CLIFFS
Property Code	Property Name WF FEDERAL	Well Number 30 - 4
OGRD No. 019219	Operator Name RICHARDSON OPERATING COMPANY	Elevation 5495'

Surface Location									
UL or Lot	Sec.	Twp.	Rge.	Lot Lch.	Feet from >	North/South	Feet from >	East/West	County
D	30	30 N.	14 W.		732'	NORTH	928	WEST	SAN JUAN

Bottom Hole Location If Different From Surface									
UL or Lot	Sec.	Twp.	Rge.	Lot Lch.	Feet from >	North/South	Feet from >	East/West	County
Dedication	Joint ?	Consolidation	Order No.						

NO ALLOWABLE WILL ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



Application of Richardson Operating
Co.
Record on Appeal, 814.

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 JULY 1, 2001	
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 15 MAY 2001	
Signature and Seal of Professional Surveyor <i>[Signature]</i> REGISTERED LAND SURVEYOR 6844	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐		5. LEASE DESIGNATION AND SERIAL NO. NMNM-99003	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Richardson Operating Co. (303) 830-8000		7. UNIT AGREEMENT NAME N/A	
3. ADDRESS AND TELEPHONE NO. 1700 Lincoln St., Suite 1700, Denver, Co. 80203		8. FARM OR LEASE NAME, WELL NO. WF Federal 30 #3	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1752' FSL & 1061' FWL		9. API WELL NO. 30-045-30727	
At proposed prod. zone Same		10. FIELD AND POOL, OR WILDCAT Fr. Coal & Tw. Mo. PC	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 3 air miles N of Kirtland		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 30-30n-14w NMPM	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 1,061'		12. COUNTY OR PARISH San Juan	
16. NO. OF ACRES IN LEASE 960		13. STATE NM	
17. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2,799'		18. NO. OF ACRES ASSIGNED TO THIS WELL 320 & 160	
19. PROPOSED DEPTH 1,000'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5,410' ungraded		22. APPROX. DATE WORK WILL START* Aug. 10, 2001	

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'	≈185 cu. ft. & to surface

Archaeology report LAC-2001-28b filed 6-12-2001.

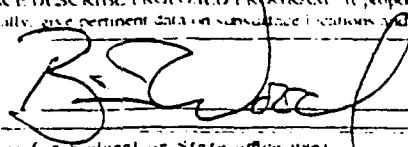
This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

ALL ACTIONS ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

Application of Richardson Operating Co.
Record on Appeal, 815.

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, well measured and true vertical depths. Give blowout prevention program, if any.

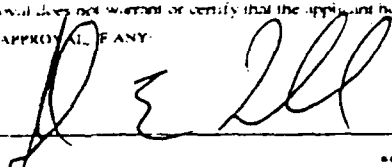
21. SIGNATURE  TITLE Consultant (505) 466-8120 DATE 7-2-01

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE 7/5/01

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:

APPROVAL BY  TITLE AFM DATE 9/5/01

*See Instructions On Reverse Side

State of New Mexico
Energy, Minerals & Mining Resources Department

Form C - 102

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

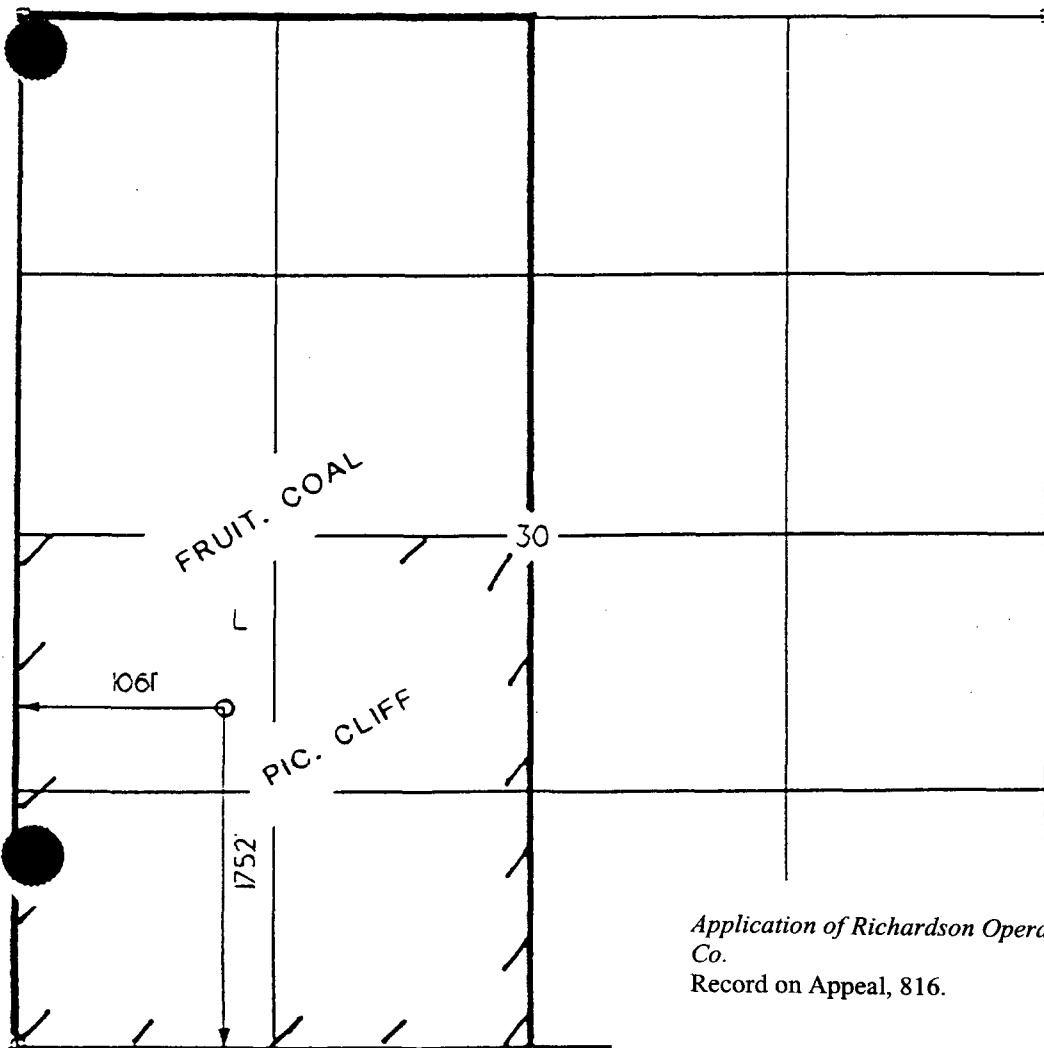
WELL LOCATION AND ACREAGE DEDICATION PLAT

APA Number	Pool Code	Pool Name
	71629 & 86620	FRUIT. COAL & TWIN MOUNDS PIC. CLF.
Property Code	Property Name	Well Number
	WF FEDERAL	30 - 3
OGRID No.	Operator Name	Elevation
019219	RICHARDSON OPERATING COMPANY	5410'

Surface Location									
UL or Lot	Sec.	Twp.	Rge.	Lot Idn.	Feet from >	North/South	Feet from >	East/West	County
L	30	30 N.	14 W.		1752'	SOUTH	1061	WEST	SAN JUAN

Bottom Hole Location if Different From Surface									
UL or Lot	Sec.	Twp.	Rge.	Lot Idn.	Feet from >	North/South	Feet from >	East/West	County
Dedication	Joint ?	Consolidation	Order No.						

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 JULY 2, 2001	
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 15-MAY-2001 Signature and Seal of Professional Surveyor <i>Greg S. Weston</i> Registered Land Surveyor 6844	

Application of Richardson Operating Co.
Record on Appeal, 816.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐		5. LEASE DESIGNATION AND SERIAL NO. NMNM-99003
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
2. NAME OF OPERATOR Richardson Operating Co. (303) 830-8000		7. UNIT AGREEMENT NAME N/A
3. ADDRESS AND TELEPHONE NO. 1700 Lincoln St., Suite 1700, Denver, Co. 80203		8. FARM OR LEASE NAME WELL NO. WF Federal 31 #2
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 890' FNL & 909' FWL		9. API WELL NO. 30-045-30726
At proposed prod. zone Same		10. FIELD AND BOOL OR WILDCAT Twin Mounds P.C.
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 2 air miles N of Kirtland		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 31-30n-14w NMPM
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 909'	16. NO. OF ACRES IN LEASE 960	12. COUNTY OR PARISH, 13. STATE San Juan NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2,646'	19. PROPOSED DEPTH 1,000'	17. NO. OF ACRES ASSIGNED TO THIS WELL 160
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5,360' ungraded	20. ROTARY OR CABLE TOOLS Rotary	22. APPROX. DATE WORK WILL START Aug. 15, 2001

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'	≈185 cu. ft. & to surface

Archaeology report LAC-2001-28b filed 6-12-2001

procedural review pursuant to 43 CFR 3166.2
and appeal pursuant to 43 CFR 3166.4Application of Richardson Operating
Co.
Record on Appeal, 817.DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

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 surface location and measured and true vertical depths. Give blowout prevention program, if any.

SIGNED B. E. [Signature] TITLE Consultant (505) 466-8120 DATE 7-3-01

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE 9/5/01

Applicant certifies it 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 there.

CONDITIONS OF APPROVAL, IF ANY:

SIGNED [Signature] TITLE AFM DATE 9/5/01

State of New Mexico
Energy, Minerals & Mining Resources Department

Form C - 102

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

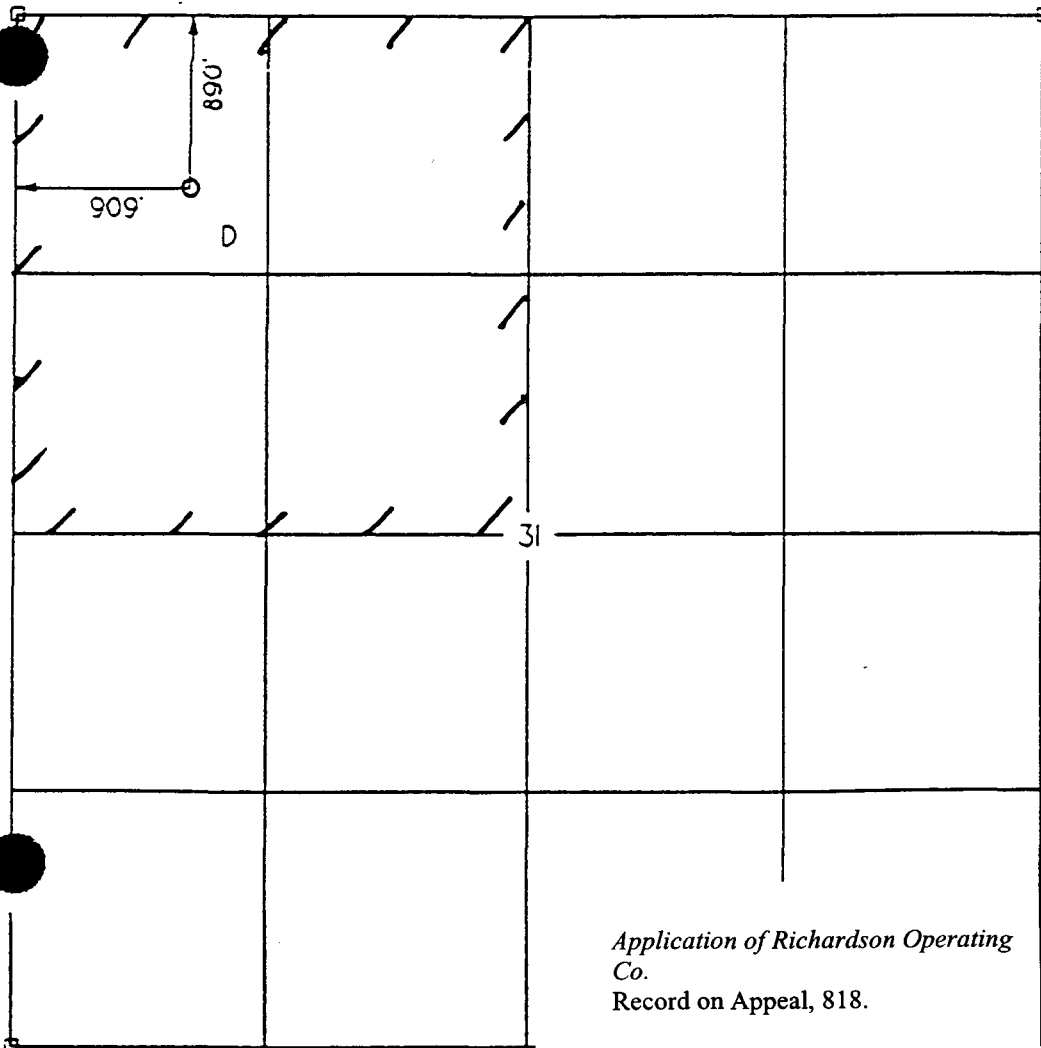
WELL LOCATION AND ACREAGE DEDICATION PLAT

APA Number		Pool Code	Pool Name
		86620	TWIN MOUNDS PICTURE CLIFFS
Property Code	Property Name		Well Number
	WF FEDERAL		31 - 2
OGRI No.	Operator Name		Elevation
019219	RICHARDSON OPERATING COMPANY		5360'

Surface Location									
UL or Lot	Sec.	Twp.	Rge.	Lot Idn.	Feet from	North/South	Feet from	East/West	County
D	31	30 N.	14 W.		890'	NORTH	909'	WEST	SAN JUAN

Bottom Hole Location if Different From Surface									
UL or Lot	Sec.	Twp.	Rge.	Lot Idn.	Feet from	North/South	Feet from	East/West	County
Dedication		Joint ?	Consolidation		Order No.				

NO ALLOWABLE WILL ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



Application of Richardson Operating
Co.
Record on Appeal, 818.

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 JULY 3, 2001	
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 15 MAY 2001	
Signature and Seal of Professional Surveyor 	