SUBMIT IN TRIPLICATE.

(Other instructions on reverse side)

UNITED STATES

FUKM A	PPROVED
OMB NO.	1004-0136
Expires: Feb	гцагу 28, 1995

BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL OR DEEPEN					5. LEASE DESIGNATION AND SERIAL NO.	
					NMNM-97843	
DR b. TYPE OF WELL OIL G WELL WELL 2. NAME OF OPERATOR Richardson C 3. ADDRESS AND TELEPHONE NO. 1700 Lincoln	ICATION FOR F ILL OTHER Operating Co. Suite 1700, Report location clearly and 775' FNL	DEEPEN (303) 830-80 Denver, C	DRIL Sign 00 Co. 8 th any 8	L OR DEEPEN 200 AND GUI	-	N/A 7. UNIT AGREEMENT NAME N/A S. FARM OR LEASE NAME WELL NO. WF Fed. 29 #4 9. API WELL NO. 30 -04 5 = 30 34 8 10. TELLE AND MOUNTS! DPC 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
4 DISTANCE IN MILES	Same	REST TOWN OF POS	T OFFICE	r.*		29-30n-14w NMPM 12. COUNTY OR PARISH 13. STATE
8 air miles N	W of Farming					San Juan- NM
15. DISTANCE FROM PROPI LOCATION TO NEARES: PROPERTY OR LEASE I (Also to nearest dri) [8. DISTANCE FROM PROPI	T LINE, FT. g. unit line, if any)	735'		0. OF ACRES IN LEASE 1,120 OPOSED DEPTH	то ти	ACRES ASSIGNED S WELL. 160 NW 100 CABLE TOOLS
TO NEAREST WELL, DOOR APPLIED FOR, ON TH	RILLING, COMPLETED,	3,499'	15. 7.	1,200	Zw. Rozaki	Rotary
1. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)	5,580' un	aradı	ed ground		22. APPROX. DATE WORK WILL START* Upon Approval
"	······································	 	-	CEMENTING PROGRAM	1	Opon Approvai
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER F		SETTING DEPTH		QUANTITY OF CEMENT
8-3/4" 6-1/4"	7" (K-55) 4-1/2" (K-55)	20# 10.5#		120' 1,200'		≈36 cu ft & to surface-
procedural revi	selvinot to tochnicosi an iow pursuant to 43 CFR 3180 revent to 43	f proposal is to deepen.	give data	OCT 2000	SUB. "GE!	LING OPERATIONS AUTHORIZED ARE JECT TO COMPLIANCE WITH ATTACHE NERAL REQUIREMENTS". CC: BLM (& OCD), Cole ew productive zone. If proposal is to drill or
4.	ment data on subsurface ideath	and measured and tr		al depths. Give blowout preven		
SIGNED	- Woel		1.E			DATE
· -	ral or State office use)				10	127 100
	not warrant or certify that the ap					ld entitle the applicant to conduct operations thereo
CONDITIONS OF APPROVAL APPROVED BY		TITLE				DATE 10/27/CO

Time for the nested known Moched willfully to make to ane describe on the second of the

State of New Mexico Energy. Minerals & Mining Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe. NM 87505

OF AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

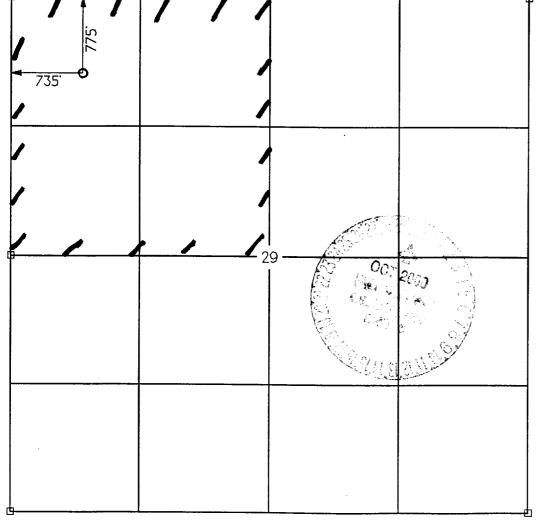
30-04°	A Num	3034	86	Pool Code 86620 TWIN MOUNDS PC Pool Name					
Property Co	ſ		Property Name				Well Number		
23904	,		WF FEDERAL				29 - 4		
00RD No. 01921	۱۵		Operator Name				Bevation		
0132			RICHARDSON OPERATING COMPANY				5580.—		
<u> </u>					Surfac	e Location			
UL or Lot	Sec.	Twp.	Rge.	Lot lon.	Feet from>	North/South	Feet from>	East/West	County
, I	~ 1	70 N	14 14		776.	MARTI		WEAT	A451

D 29 30 N. 14 W. Peer from Indirity South Peer from Section Peer f

Bottom Hole Location If Different From Surface

			DOLLOW LOCATION		101 OCE		
UL or Lot	Sec. Twp.	Rge. L	ot ldn. Feet from>	North/South	Feet from>	East/West	County
Dedication	Joint ?	Consolidation			Orde	er No.	

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



OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Printed NameBRIAN WOOD

Title CONSULTANT

Date AUG. 23, 2000

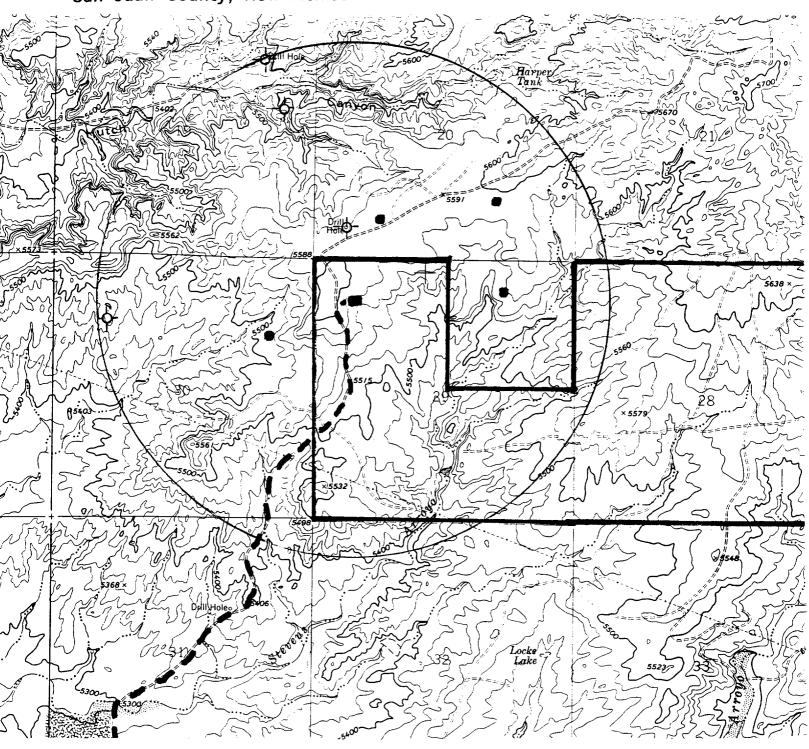
SURVEYOR CERTIFICATION

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



Richardson Operating Co. WF Federal 29 #4 775' FNL & 735' FWL Sec. 29, T. 30 N., R. 14 W. San Juan County, New Mexico



PROPOSED WELL: ■ NEW ROAD/PIPELINE: • EXISTING WELL: ■ EXISTING ROAD: ■ ■

P&A WELL: - - -

LEASE:



Richardson Operating Co. WF Federal 29 #4 775' FNL & 735' FWL Sec. 29, T. 30 N., R. 14 W. San Juan County, New Mexico

Drilling Program

1. ESTIMATED FORMATION TOPS

Formation Name	<u>GL Depth</u>	<u>KB Depth</u>	Subsea Elevation
Kirtland Sh	000'	5'	+5,580'
Fruitland Fm	580'	585'	+5,000'
Pictured Cliffs Ss	1,080'	1,085'	+4,500'
Total Depth (TD)*	1,200'	1,105'	+4,350'

^{*} all elevations reflect the ungraded ground level of 5,480'

2. NOTABLE ZONES

<u>Gas Zones</u>	<u>Water Zones</u>	Coal Zones
Fruitland Fm (585')	Fruitland Fm (585')	Fruitland Fm (585')
Pictured Cliffs (1.080')		

Water zones will be protected with casing, cement, and weighted mud. Fresh water encountered during drilling will be recorded by depth, cased, and cemented. Oil and gas shows will be tested for commercial potential based on the well site geologist's recommendations.

3. PRESSURE CONTROL

The drilling contract has not yet been awarded, thus the exact BOP model to be used is not yet known. (A typical 2,000 psi model is on PAGE 3.) Double ram or annular system with a rotating head will be used. All ram preventers and related equipment will be hydraulically tested at nipple up and after any use under pressure to 1000 psi.

