SUBMIT IN TRIPLICATE. (Other instructions on

FORM APPROVED OMB NO. 1004-0136

,		ED STATES		rse side)	Expires: February 28, 1995
		OF THE INTER	_	5. 1	EASE DESIGNATION AND SERIAL NO.
ADDI	ICATION FOR PI	LAND MANAGEMEN		6. J	F INMNM-19708-4-3 NAME
. TYPE OF WORK	_/-	ENMIT TO DRIL	L ON DEEPE		
DR	ILL 🗹	DEEPEN 🗌	770 5	7 21 # 1:74	NIT AGREEMENT NAME
	AS OTHER		NGLE MI	NE 8. F	ARM OR LEASE NAME, WELL NO.
NAME OF OPERATOR			· · · · · · · · · · · · · · · · · · ·	WARREST STATE OF THE PARTY OF T	WF Fed. 28 #3
ADDRESS AND TELEPHONE NO.	perating Co.	(303) 830-8000			30-045-30379
700 Lincoln	Suite 1700,	Denver, Co. 8	0203		FIELD AND POOL, OR WILDCAT
LOCATION OF WELL (R At surface		in accordance with any S 1652' FWL	tate regularments.*)	17 2000 led	p. Hill PC & B. Fr. C
At proposed prod. zon	1e _	X 1032 FWL		M 00 07	AND SURVEY OR AREA
	Same		Will Will		8-30 n-14w NMPM
	and direction from near E of Kirtland.			\$\frac{1}{2}.	COUNTY OR PARISH 13. STATE
LOCATION TO NEAREST	DSED*		OF ACRES TO A LINAS	PINCE TO THIS W	an aluan - NM
PROPERTY OR LEASE I	g. unit line, if any)	845'		20	160/320 \(\psi\)
DISTANCE FROM PROF TO NEAREST WELL, D OR APPLIED FOR, ON TH	RILLING, COMPLETED,	2318'	OPOSED DEPTH	20. ROTARY OR	
ELEVATIONS (Show wh	ether DF, RT, GR, etc.)		1,30	22	APPROX. DATE WORK WILL START
		5,520' ungrade	ed ground		Upon Approval
		PROPOSED CASING AND		GRAM	
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMENT
8-3/4"	7" (K-55)	20#	120),	≈36 cu ft & to surface
6-1/4"	4-1/2" (K-55)	10.5#	1,300)'-	≈235 cu ft & to surface.
	with Neel McBrid Dis also serving				
	and 508.25' k			• •	
30 N., R.		J. 19 (0.120 do.)	so, emeang		555. 55,
and the second second	entilast fo kolonista es 1. a a antenda la SI GS 1. aust na su CSI GSS 1. aust na su CSI GSS	55 N 1882.0			GOIS AUTHORIZED ARE JANOS WITH ATTACHED CEMENTS"
ABOVE SPACE DESCRIB	E PROPOSED PROGRAM: If nent data on subsurface location	poposal is to deepen, give data	on present productive:	zone and proposed new p	cc: BLM (& OCD), Co
P					0 15 00
SIGNED	15051	TITI.E	nsultant (50	73) 400-812U	9-15-00
(This space for Fede	ral or State office use)				/
PERMIT NO.			APPROVAL DATE	10/	27/00
Application approval does reconditions of APPROVAL		licant holds legal or equitable til	le to those rights in the su		title the applicant to conduct operations there
APPROVED BY		TITLE		DA	TE 10/27/00

State of New Mexico Energy. Minerals & Mining Resources Department

OL CONSERVATION DIVISION 2040 South Pacheco Santa Fe. NM 87505

200 SEP 21 /M H AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

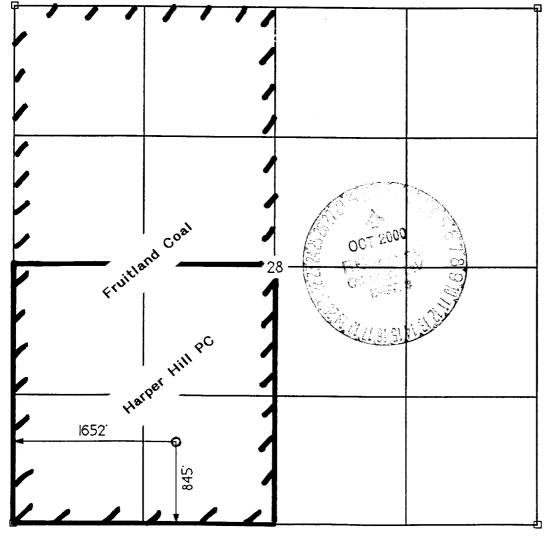
APA Numbe	er	Pool Code	C. I, Mil		
30-045-30379 71629 & 78160			FRUIT. COAL & HARPER HILL PC EX		
Property Code	,	Proper	ty Name	Well Number	
24501		WF FE	DERAL	28 - 3	
OCRID No.		Operat	or Name	Bevation	
019219		- RICHARDSON OPE	5520'		

Surface Location UL or Lat Sec. Twp. Rge. Lot lon. Feet from> North/South Feet from> East/West County Ν 28 30 N. 14 W. 845 SOUTH 1652 WEST SAN JUAN

Bottom Hale Location If Different From Surface

UL or Lot	Sec.	Тир.	Rge.	Lat lah.	Feet fram>	North/South	Feet from>	East/West	County
Dedication 140 SW 44 320W/2		? Inic	Consolidat	tion	1	<u> </u>	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 DIVISION



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 SEPT. 15, 2000

SURVEYOR CERTIFICATION

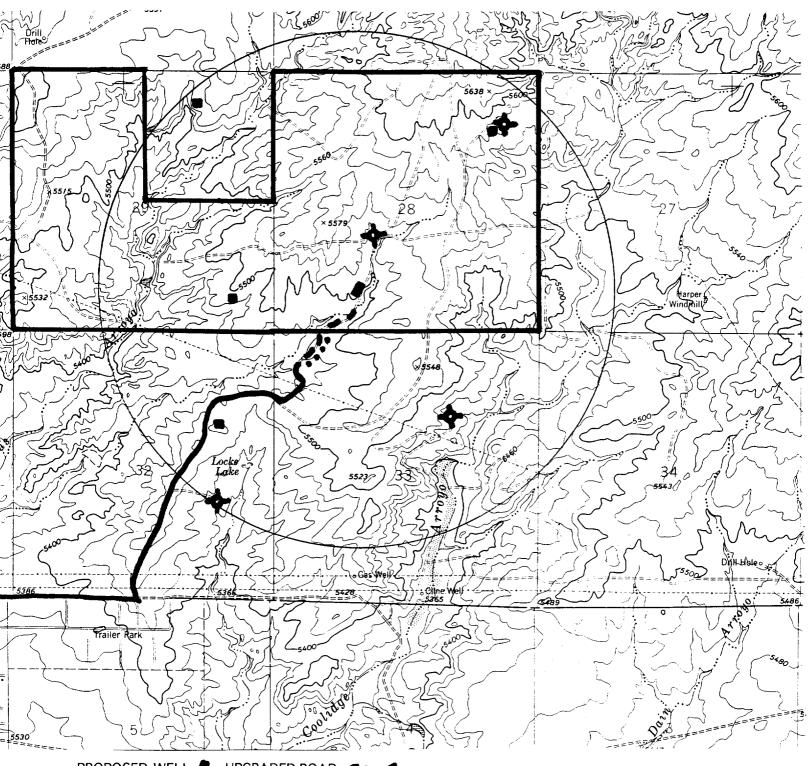
I hereby certify that the well location on this plat was platted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

Signature and Sulveyor (6844)

Richardson Operating Co. WF Federal 28 #3 845' FSL & 1652' FWL Sec. 28, T. 30 N., R. 14 W. San Juan County, New Mexico

PAGE 11



P&A WELL: LEASE:



WF Federal 28 #3

845' FSL & 1652' FWL

Sec. 28, T. 30 N., R. 14 W.

San Juan County, New Mexico

Drilling Program

1. ESTIMATED FORMATION TOPS

Formation Name	<u>GL Depth</u>	KB Depth	Subsea Elevation
Kirtland Sh	000'	5'	+5,520'
Fruitland Fm	510'	515'	+5,010'
Pictured Cliffs Ss	1,045'	1,050'	+4,475'
Total Depth (TD)*	1,300'	1,305'	+4,200'

^{*} all elevations reflect the ungraded ground level of 5.520'

2. NOTABLE ZONES

<u>Gas Zones</u>	Water Zones	Coal Zones

Fruitland Fm (510') Fruitland Fm (510') Fruitland Fm (510') Pictured Cliffs (1.045')

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.



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

,	
FORM	APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

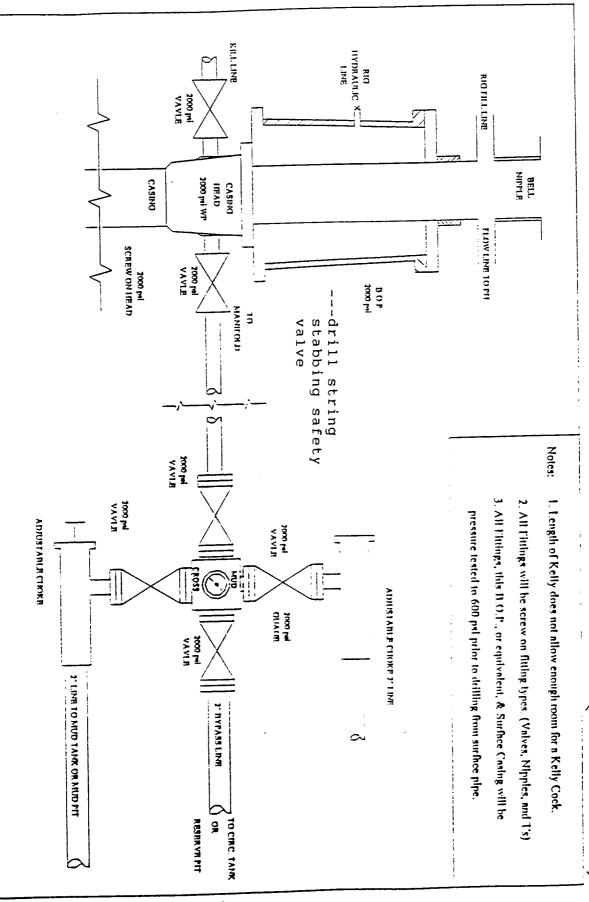
5. Lease Designation and Serial	No
---------------------------------	----

NM-97843

SUNDRY NOTICES A	AND REPORTS ON	WELLS
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Do not use this form for pr	oposals to drill, or to deepe	n or reentry to a different reservoir.	6. If Indian, Aflotte or Tribe Name			
Use "APPLIC	CATION FOR PERMIT-" for	such proposals				
SUBMIT IN	TRIPLICATE		7. If Unit or CA, Agreement Designation			
1. Type of Well		W				
Oil Well X	Gas Well	Other	8. Well Name and No.			
2. Name of Operator			WF Federal 28-3			
Richardson Operating Company			9. AM Well No.			
3. Address and Telephone No.			30-045-30379			
1700 Lincoln, Suite 1700, Denver	, Colorado 80203 (303) 830-8000	10. Field and Pool, or Exploratory Area			
4. Location of Well (Footage, T, R, M, or Survey	y Description)		Harper Hill Pictured Cliffs/Basin FC			
845'FSL, 1652'FWL			11. County or Parish, State			
28-T30N-R14W			San Juan County, NM			
12. CHECK APPROPRIATE BOX	X(s) TO INDICATE NAT	URE OF NOTICE, REPORT, OR OTHER DA	TA			
TYPE OF SUBMISSION		TYPE OF ACTION				
		Abandonment	Change of Plans			
X Notice of Intent		Recompletion	New Construction			
		Plugging Back	Non-Routine Frecturing			
Subsequent Report		Casing Repair	Water Shut-Off			
		Altering Casing	Conversion to Injection			
Final Abandonment Notice		Surface Casing/Camenting	Dispose Water			
	X	Other: see below	(Note: Report results of multiple completion on Well			
			Completion or Recompletion Report and Log form).			
Change BOP						
2000# test pressure		الإسبيد	P****			
Drill string		3173	14/570			
Drill string Stabbing safety valve						
Stabbing safety valve		NOI				
Drill string Stabbing safety valve Hose must be in a straight line Stakedconnection						
Stakedconnection		E.	RILL BLOOM			
Diagram attached		18.30.30	207123422			
14. I hereby certify that the foregoing is true and correct, Signed: Ahlman College	4	Title: Land Manager	Date: October 31, 2000			
(This space for Federal or State office use)	9		OCT 3 1 seen -			
Approved by:		Title:	Date:			
Conditions of approval, if any:	Lovato					
Title 18 U.S.C. Section 1001, makes it a crime for any	correct knowinsty and wallful	v to make to any department or agency of the United S	States any false, fictitious or fraudulent			
statements or representations as to any matter within its jurisdic		,				

BLOW OUT PREVENTOR



straight line staked connection

** 2000 psl Rubber hase will be used from Well Head to Manifold

& from Well Head to Kill Line

L & B Speed Drill, Inc.

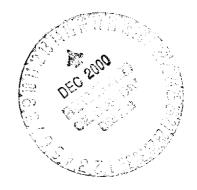
P.O. BOX 70 • FARMINGTON, NEW MEXICO 87499-0070 • (505) 325-1079

DATE: 12/5/2000

TO: Richardson Operating Company

1700 Lincoln St., Suite 1700

Denver, Co 80203



Re: Directional Survey

Well Fed. 28 #3

{ 845' fs1 & 1652' fwl

V Sec. 28-T30N-R14W

San Juan County, NM

Below is the directional survey for your well Fed. 28 #3

130' 3/4°

600' 1/2°

1100' 3/4°

1300' 3/4°

ACKNOWLEDGEMENT

STATE OF NEW MEXICO

COUNTY OF SAN JUAN

SIGNED & ACKNOWLEDGED BY:

LIAMES L. LUDWICK, PRESIDENT

The foregoing instrument was acknowledged before me this 544 day of Ale. 2000

NOTARY PUBLIC

My commission expires: 10/23/2003

Form 3160-6 (June, 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

. Dest Donglingon and Soline iss.	, Lease Designation	n and Serial No.	
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NM-97843

Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form).

SUNDRY NOTICES	S AND REI	PORTS	ON WELLS
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Do not use this form for proposals to drill, or to deepen or reentry to a different reservoir.						6. If Indian, Allotte or Tribe Name	
	Use "AP	PLICATION FOR PERMI	IT⊶" for s	uch proposals	TATE TO		
SUBMIT IN TRIPLICATE				7. If Unit or CA, Agreement Designation			
. Type of W	/ell						
Γ	Oil Well X	Gas Well		Other	JAN 2001 3	1	8, Well Name and No.
2. Name of	Operator			7.7			WF Federal 28-3
Richardso	on Operating Company				CHECOLOR &	46	9. API Well No.
. Address a	nd Telephone No.			(%)	[107]. \$. \Z	7	30-045-30379
1700 Lin	coln, Suite 1700, Denv	er, Colorado 80	203 (3	03) 830-8	000 (<i>S</i>)		10. Field and Pool, or Exploratory Area
S. Location of Well (Footage, T, R, M, or Survey Description)			Harper Hill Pictured Cliffs/Basin FC				
						11. County or Parish, State	
Sec. 28-	T30N-R14W						San Juan County, NM
2.	CHECK APPROPRIATE	BOX(s) TO INDICAT	E NATU	IRE OF NOTI	CE, REPORT, OR OTHER	DATA	
TYPE OF	SUBMISSION				TYPE OF ACTION		
 				Abandonment			Change of Plans
	Notice of Intent			Recompletion			New Construction

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.

If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markets and zones pertinent to this work.]*

11-14-00 Spud 8 3/4" surface hole. Drill to 140'. Ran 3 jts 7" 20# casing. Cemented with 30 sxs Class B with 2% CaCl2.

Circulated approx. 10 bbls to pit.

11-15-00 Test BOP to 2000#. Test casing to 600#. Drill to 680'.

11-16-00 Drill to 1300' TD.

11-17-00 Ran 29 jts 4 1/2" 10.5# casing to 1269.69'. Cemented with 70 sxs 2% metasilicate and 60 sxs neat Class B with

2% CaCl2.. Circulated 3 bbls to surface. PBTD 1225.62'. Rig down.

14. I hereby certify that the foregoing is true and correct Signed:	Title: Land Manager	ACCEPTED FAR RECORD
(This space for Federal or State office uses) Approved by: Conditions of approval, if any:	Title:	JAN 0 2 2001
Title 18 U.S.C. Section 1001, makes it a crime for any person knowin	igly and willfully to make to any department or agency of	