R

ONTIED STATES					
DEPARTMENT OF	THE INTERIOR				
BUREAU OF LAND	MANAGEMENT				

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 32, 1993
5. Lease Designation and Serial No.
14-20-603-2198

	5. Lease Designation and Serial No.	
SUNDRY	NOTICES AND REPORTS ON WELLS	14-20-603-2198
	for proposals to drill, or to deepen or reentry to a different reservoir	6. If Indian, Allotte or Tribe Name
	LICATION FOR PERMIT" for such proposals	Navajo
SUBMIT IN	TRIPLICATE	7. If Unit or CA, Agreement Designation
Oil Well X	Gas Well Other	8. Well Name and No.
2. Name of Operator		WF Navajo 14 #1
Richardson Operating Company	/	9. API Well No.
3. Address and Telephone No.		30-045-30485
1700 Lincoln, Suite 1700, Denv	ver, Colorado 80203 (303) 830-8000	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, T, R, M,		West Kuntz PC
1690' FSL & 660' FEL Section 1	.4-T29N-R14W NMPM	11. County or Parish, State
	San Juan Co, NM	
12. CHECK APPROPRIAT	E BOX(s) TO INDICATE NATURE OF NOTICE, REPOR	T, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
	Abandonment	Change of Plans
Notice of Intent	Recompletion	New Construction
	Plugging Back	Non-Routine Fracturing
X Subsequent Report	Casing Repair	Water Shut-Off
_	Altering Casing	Conversion to Injection
Final Abandonment Notice	Surface Casing/Cementing	Dispose Water
	X Other: see below	(Note: Report results of multiple completion on Well
		Completion or Recompletion Report and Log form).
13. Describe Proposed or Completed Operation	ns (Clearly state all pertinent details, and give pertinent dates, including e	stimated date of starting any proposed work.
If well is directionally drilled, give subsurfac	ce locations and measured and true vertical depths for all markets and zon	nes pertinent to this work.)*
Well completed per att	ached treatment report.	
	A Company of the Comp	
-0	√S ocτ"	2001
9 0	see the second second	actions and
i 🖰	ALDIV	
agraphia Sandran		1.9
Name of the Control o		\mathcal{C}
· · · · · · · · · · · · · · · · · · ·	NO DO	10 G 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
<u> </u>	The state of the s	r. a
V-4 - 5-44		
14. I hereby certify that the foregoing is true and corr	ed Operations Man	49 47
Signed: Mr While	Title:	Date: 6/01/01

I. I hereby certify that the foregoing is true and correct	Opelations Muneger			
I hereby certify that the foregoing is true and correct Signed:	Title:		Date:	6/01/01
(This space for Federal or State office use)				
Approved by:	Title:		Date:	
Conditions of approval, if any:				

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 fa "TE HECOR! statements or representations as to any matter within its jurisdiction.

1 9 2001

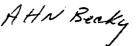
RICHARDSON OPERATING COMPANY

FRACTURE TREATMENT REPORT

	West Kutz PC			Well Name:	WF Navajo 14 #1						
Date: Field:							County:	San Juan	_State:	NM	
Stimulation	n Company:	American Energy	Services	Supervisor:	John Durha	<u>ım</u>					
Stage #:											
Sand on lo	ocation (design	n):	44,000	Weight ticket:	44,000		Size/type:	2040 Brady			
Fluid on Ic	ocation:	No. of Tanks:		Strap:		Amount:		_ Usable			
Perforati	ons			enders in the end of t				e _{jogis} e i faug taktivet s	an praktir	Section 1	
		Depth:	834' - 842'		-	Total Holes:	32	_	PBTD:	970'	
		Shots per foot:			-	EHD:	0.42	_			
Breakdo	wn	等为 中 域的一种的产品。	将 公司管理	Myses in the fields			House of Tales		Service Services	gw phase, i	
		Acid:	500		_						
		Balls:	NA								
		Pressure:	850)	-	Rate:					
Stimulat	tion	je prej je se je sesje									
		ATP:	830)	_	AIR:		35 bpm	_		
		MTP:	13000)	_	MIR:		35 bpm	_		
				Sand Stage	Pressure	_		Breaker test			
	ISIF 5 mir 10 mir 15 mir	n:n:	_	pad 1 ppg 2 ppg 3 ppg 4 ppg							
	Job Comple		_ _hrs.		Date	:4/13/0	<u>1</u>	Start flow bac	k:		
	Γotal Fluid I	Pumped:	44,00	0							
	Total Sand	Pumped:	44,00	0		Total Sand o	n Formatio	n:		· · · · · · · · · · · · · · · · · · ·	
	Total Nitrog	jen Pumped:					_				
Notes:											
Notes:											

Sep 28 01 12:27p

AHN Becke





AMERICAN ENERGY SERVICES

Treatment Report Date 4-13-01 ___ District Exemination Customer Pichamisan ___ Job No. 70012544 __ Stage number __ WELL DATA Formation DC _TD_970 Other Well Data Casing Size 4//2 Wt. 10.5 Set From/To ____ Tubing Size _Interval_834_fn 842 No. of Peris ___ TREATMENT DATA Job Type (Frac/Acid/Other) Ambre 1/125 Foam (MA) Capacities and Pad Type Amboe 1025 Pad Volume 107 Total Liquid/Gas Pumped Base Fluid Type Ambae 1025 Base Fluid Vol. Foam Quality Mitchell or CIP Tubing Cap. SWARE TEL C Prop Mesh 20/40 Prop Quantity 34 (W) Prop Types Bendy Casing Cap. 151/2 Treat Via 41/2/ (Tubing / Casing / Annulus / Tubing & Annulus) Annular Cap. ____ Hole Loaded With 15% HA Open Hole Cap.: 500 cal 15 % HC), 2100 cal pad. 1st time Procedure Fluid to load _____bb Summary Flush Vol. 13 Fluid to Recover. Total CO2/N2 Slurry Surface CO2 or N2 Surface Treating Pressure (psi) Rate Slurry BBLS. Rate CO2 or N2 Comments AM/PM **BPM** Pumped **BPM or SCFM** Pumped STP Annulus Total Stage 0845 4500 C851 1300 50 4500 830 to 13,000 time CAbrut Treating Pressure: Minimum 8.30 Treating Rate: Minimum ______ __ Maximum __ 35 Average _ Final Shut-in Pressure Minutes Operators Maximum Pressure 4/11 Customer Rep. Jan Quinn _ American Energy Services Rep. _______