Form 3160-	1
(April 2004	)

## UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED
OMBNO. 1004-0137
Expires: March 31, 2007

. •					OF LAND M		1			•			E	xpires: Ma	rch 31, 2007	
	WEL	T CC	MPLE	TION OR	RECOMPLE	ETION	REP	OF	IT AND	LOG			5. Lease 14-20	Serial No. -603-2172	2	*
la. Type o	f Well	ΠοίΙ	Well [	Gas Well	При По	ther									or Tribe Name	
	f Completi		_	lew Well	Work Over		40 - Fe	leh:	e Back	₽ PMI IM	Revi		Nava			
U	- complete		Other			2004	SLIT	۷.	I	113	UI	`   7	Unit o	r CA Agree	ment Name and	No.
3 37													NA			
2. Name	of Operator	r Rich	ardson (	Operating Co	ompany		F	(E	CEIV	ΈD		[ [		Name and		
						-07	/Da 5-12	<del></del>	15114		1114	,		Cha Cha	Unit #43	
3. Addres	S 3100 L	a Plats	Highwa	ıy, Farmingt	on, NM 87401	Ų i	₩3a. /-			include di 100-2		'   '	AFI W	en 190. 15-07864		
4 T	ar of Wall	/D		.11:1:	accordance with	D / 1	<del></del>		7.3.	100 \		10			Exploratory	
4. Locan	on or well	(керогі	iocation o	cieariy ana in i	accoraance wun	reaerai	require	men	ts)*	SA 5		্টেশ্ৰ "		utz PC	Exploimory	
At sur	face 2	110 FN	L. 1850	FEL, Sec. 25	, T29N, R13W		AN CONT		S. 1	<i>শ্বা</i>						
4.4				-	Ý		F	¥		. 50	10s		l. Sec., I	., K., M., 0	n Block and Sec. 25, T29N, F	R14W
At top	prod. inter	vai repo	mea belov	V			100			1.3	P		_	y or Parish		
At tota	ıl depth 5	Same a	s above				اسي ا		***		·.	- 5 VI	San Ju		13. State NM	
14. Date S	ii depiii			Date T.D. Rea	iched		16 Dat	e'C	ompleted	90.00	m\0.0.4	55 / I			KB, RT, GL)*	<del></del>
	7/1 <b>961</b>		13.	08/24/1961				D &		09/21 Ready	/2004 to Proc	- / I -	5637'	• /	(KD, KI, UL)	
18. Total	Depth: M	D 541	16'	19.	Plug Back T.D.:	MD	1361'	Y	3/1/h	20. Det	th Brid	ge Plug Se	: MD		4050' (Cmt Re	et)
10.	-	VD		1	and Durin 115.	TVD	1301			42.3		502.2620	TVI		TUSU (CHILIC	cty
<del></del> -			<del></del>												<del></del>	
21. Type I	& oirtoeld	Other M	viechanic	ai Logs Run (	Submit copy of e	ach)	į.				s well co s DST r		No No		mit analysis) mit report)	
Cased	i Hole CN	L					-		l			Survey?	No No		Submit copy)	
23 Casin	a and Line	er Reco	rd (Ran	ort all strings	sat in wall)			_		ווע	cctionar	Survey	[A]MO	(;	subinit copy)	
	<del></del>		<del></del>	<del></del>	<del></del>	Stage	Cemen	ter	No of	Sks. &	Sh	rry Vol			A a The li	
Hole Size	Size/Gra	ide V	Vt. (#/ft.)	Top (MD)	Bottom (MD)		epth			f Cement	(	rry Vol. BBL)	Cement	Top*	Amount Pull	iea
12-1/4"	8 5/8"	K 2	4#	Surface	229"	T			220sx	Class B	46	bbis	Surfac	e	Circ. 4 bbls	
6-3/4"	4.5" J	-55 9	.5#	Surface	5416'		1		125sx	50/50 p	261	bis	3979'		N/A	
					7		1				T -					
						1										
		$\neg \vdash$		<b></b>			Ì	_			1		·			
24 Tubing	g Record			·		<del></del>			L							
Size		Set (M	D) Packe	er Depth (MD)	Size	Dept	h Set (M	D)	Packer I	Depth (M)	D)]	Size	Depth	Set (MD)	Packer Depth	(MD)
2 3/8"	1235'	<u>`</u>		<del></del>	<del>                                     </del>	<del>  ``</del>		<u></u>		<u> </u>			<del> </del>		<del>                                     </del>	
25. Produc	ing Interva	ıls			<u> </u>	26.	Perfora	tion	Record						<del></del>	
	Formation	1		Top	Bottom		Perforat	ed i	interval		Size	No. I	loles	F	erf. Status	
A) W. K	utz Pictu	red Cli	ffs	1242'	1446'	1242	2-1250			0	.34"	3210le	g	Open		
B)							}		_							
9							į									
D)									,							
27. Acid, l	Fracture, Tr	eatment	, Cement	Squeeze, etc.												
	Depth Interv							A	mount an	nd Type o	f Materi	al				
1242-12	50'				gls 15% HCL,										ped 3820 gais	,
					p 2984' gal, 3#	/gal, pu	mp 134	6 g	als, 4#/g	al, pum	2952	gals, 4#/g	al with a	ctivator.		
				Pump 403 g	gals as flush.											
-					· · · · · · · · · · · · · · · · · · ·									<del> </del>		
28. Produ	Test Inter	rval A Hours	Test	Los	Goo	37-14-11	Loa	`	<u></u>	Gas		Dan dan dia	Mak. I			
Produced	Date	Tested	Produ			Water BBL		Grav		Gravi	ty	Production	MCHOO			
							L	Ĺ.	_ ·			Sundry of	tests to foll	0W		
Choke	Tbg. Press.	Csg.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas			Well S	tatus					
Size	Flwg. Si	Press.	Rate		MCI	PDL	Rati	ı				SI:WOPL				
28a. Produ		ervel D	1 - 7			·		1			,			·		· ——
Date First	Test	Hours	Test	Oil		Vater	Oil	Grav	rity	Gas		Production	Method			
Produced	Date	Tested	Produc	tion BBL		BBL	Oil Con	r. Āl	PI'	Gravity						1000
				<b>▶</b>						1						
Chake Size	Tbg. Press.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas N MCF	Water BBL	Gas/ Rati			Well St	atus		A	CCEPT	ED FOR R	ECOR
STEA	SI SI		- Ance	<b>▶</b>	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			Ī		{			91			

\*(See instructions and spaces for additional data on page 2)

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	ction - Inte			<del></del>	<del></del>	<del></del>			T 4	Table 1	<del></del>
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Ca	Gravity rr. API	Gas Gravity	Production Method	
<b>&gt;</b>			<b>→</b>								
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas	/Oil io	Well Status		
0.00	SI		<b></b>								
	uction - Int										
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil, Ca	Gravity T. API	Gas Gravity	Production Method	
·			->		Ì			,			
Choke	Tbg. Press.	Csg.	24 Hr.	Oil BBL	Gas	Water BBL		/Oil	Well Status	<u>, h </u>	
Size	Flwg. SI	Press.	Rate	BBL	MCF	BBL	Rai	10			
29 Disn	29. Disposition of Gas (Sold, used for fuel, vented, etc.)										
20. Day	ondon or c	···· (5070, 0	acayor jaco,	roinca, oic	)						
20 5::	mora of Do	7000	(Include Aq	rifom).					21 F	Confidence Andrew	
	-		-			a			31. Forma	tion (Log) Markers	
Shov tests.	v all import including (	iant zones lepth inter	of porosity a al tested, cu	and contens shion used.	ts thereof: time tool or	Cored interva pen, flowing a	us and and shu	all drill-stem t-in pressures			
and r	ecoveries.	•	,		,						
		Тор	Bottom		Dago	riptions, Cont	ante et			Name	Тор
Form	nation	ТОР	Donom		Dati	ipuons, com	ciio, cu			14mile	Meas. Depth
Ojo Alar		surf		1							ì
Fruitland		1180'	1220'								
Pictured	Cinis	1242	1446'								
			1								
		1									1
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		1	1								
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			1	1					}		
									1		
32. Addi	tional rema	rks (includ	e plugging pr	ocedure).							
<i></i>		1110	. h	occuure).				1			
								Ī			
							SI	ENT TO FA	RMINGTO!	NOFFICE FOR SUBMITTA	L ON THIS DATE
33. Indica	ate which it	mes have t	een attached	by placing	g a check in	the appropria	ate boxe	s:			
☐ El	ectrical/Me	chanical L	ogs (1 full se	t req'd.)	□G	eologic Repo	n [	DST Report	Directio	nal Survey	
			ing and ceme		tion 🔲 C	ore Analysis		Other:	_	•	
								<u> </u>			
34. I here	by certify t	hat the for	going and at	tached info	ormation is c	omplete and	correct	as determined	from all avail	able records (see attached instruct	ions)*
Name	(please pri	nt) Tom	Bergin				1	itle Opera	tions Manag	ger	
Signa	iture	2	~ 1.	2 1			I	Date 09/21/	2004		
	<del></del>	·									
Title 191	ISC Section	on 1001 a	d Title 42 I	ICC Con	ion 1212 m	aka it a arim	o for or	narron kno	wingly and wi	Ilfully to make to any department	or aganou of the United

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make 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.

Form 3160-5 (April 2004)

## LINITED STATES

UNITED STATES	
DEPARTMENT OF THE INTERIOR	
BUREAU OF LAND MANAGEMENT	
BOKEMO OF EMILE MINIMATORMENT	

FORM	APPROVED
OMBN	lo. 1004-0137
Expires:	March 31, 2007

5.	Lease Serial No.	

SUNDRY NOTICES AND REPORTS ON WELLS							NMSF-14-20-603-2172				
Do not use th abandoned we	6. If Indian, Allottee or Tribe Name Navajo										
SUBMIT IN TRI	9.	7. If Unit or CA/Agreement, Name and/or No.  NW Cha Cha Unit									
1. Type of Well Oil Well	Gas Well Other				1	8. Well Na					
2. Name of Operator Richardson O	nerating Company					NW C	na Cha # 43				
						9. API Wo					
3a. Address 3100 La Plata Highway, Farmi	ngton, NM, 87401	3b. Phone No 505-564-3		area code	2)		d Pool, or Explor	atory Area			
4. Location of Well (Footage, Sec., 7	r., R., M., or Survey Description)	!				Cha Cl	ha Gallup				
Sec 25, T29N-R14W, 2110' FN	L 1850' FEL					11. County	or Parish, State				
						San Juan County, New Mexico					
12. CHECK AP	PROPRIATE BOX(ES) TO	INDICATE	NATURI	E OF N	IOTICE, RI	EPORT, OF	OTHER DA	ГА			
TYPE OF SUBMISSION			TYP	E OF A	CTION						
	Acidize	Deepen		Pro	oduction (Sta	rt/Resume)	Water Shut	-Off			
Notice of Intent	Alter Casing	Fracture Tr	eat	Re	clamation		Well Integr	ity			
Subsequent Report	Casing Repair	New Cons			complete		Other				
Final Abandonment Notice	Change Plans	Plug and A	bandon		mporarily Ab	andon	<u> </u>		<del></del>		
1 mai 7 bandoimien 7 votec	Convert to Injection	Plug Back		W:	ater Disposal						
testing has been completed. Fir determined that the site is ready  This well was plugged bac were submitted at that tim Richardson Operating Co. Approval has been receive work cannot progress until	k to the Pictured Cliffs in Dec ie. mpany plans to recomplete th d from the Navajo Nation for l after July 31, 2004. work is expected to commen	filed only after a ember 2000. is well in the I ROWs and p	all requirent All pertin Pictured ( Ipeline in	nents, inc ent info Cliffs an	luding reclam rmation, inc d Fruitland	ation, have been cluding Ceme Coal format	en completed, and ent Bond logs ar ions.	the operate	or has re data		
14. Thereby certify that the fore Name (Printed/Typed)	going is true and correct		1						***************************************		
Charles H. Willi	ams		Title E	ngineeri	ng Operatio	ns Manager					
Signature Charles #	Williams		Date		C	14/30/2004					
	THIS SPACE FOR	FEDERAL	OR S	TATE	OFFICE	USE					
Approved by Conditions of approval, if any, are certify that the applicant holds lega which would entitle the applicant to Title 18 U.S.C. Section 1001 and Title	l or equitable title to those rights o conduct operations thereon. e 43 U.S.C. Section 1212, make it	in the subject le	nt or case O			to make to a		1 [ 7 2			
States any false, fictitious or fraudu											

(Instructions on page 2)