Form 3160-5 (June 1990)		TED STATES NT OF THE INTERIOR	FORM APPROVED Budget Bureau No 1004-0135
		LAND MANAGEMENT	Expires: March 31, 1993 5. Lease Designation and Serial No.
			NM-67110
Do not us	e this form for proposals to d	AND REPORTS ON WELLS rill or to deepen or reentry to a different reservoir. R PERMIT—" for such proposals	6. If Indian, Allonee or Tribe Name
		T IN TRIPLICATE	7. If Unit or CA, Agreement Designation
L. Type of Well			
2 Name of Ope	Well Other		B. Well Name and No. Federal 31-G #2
<u>Manzano</u>	Oil Corporation	9. API Well No.	
•			30-025-31354
4 Location of V	<u>2107, Roswell, NM 88</u> Vell (Footage, Sec., T., R., M., or Survey D	202-2107 Rescription)	10. Field and Pool, or Exploratory Area
			Gem Bone Spring 11. County or Parish, State
	& 2310' FEL		
	31, TI9S-R33E	A TO INDICATE NATURE OF NOTION REPORT	Lea Co., NM
		s) TO INDICATE NATURE OF NOTICE, REPOR	TI, OR OTHER DATA
·		TYPE OF ACTION	
L.	_] Notice of Intent		Change of Plans
5	Subsequent Report	Recompletion Plugging Back	
_		Casing Repair	Water Shut-Off
Ĺ	Final Abandonment Notice	Altering Casing	Conversion to Injection
		Other	Dispose Water (Note: Report results of multiple completion on Weil
13 Describe Prop	osed or Completed Operations (Clearly state a)	I pertinent details, and give pertinent dates, including estimated date of starting	Completion of Recompletion Report and Log form a
give subs	urface locations and measured and true vertic	al depths for all markers and zones pertinent to this work.)*	any proposed work. If well is directionally drilled,
1-1-92	Run Opn Hole Logs.		
1-2-92	TD 9400'. LD DC's. Lo	oggers TD 9390'. Have good upper Delaw	are pay. Prep to run
	5-1/2" csg to 5900'.	Set 1st cmt plug @ 8967'. 35 sx C1 H Lug @ 7914'. 35 sx C1 H w/1% CaC1	w/l% CaCl. Tagged @
1-3-92	PBTD 5915 KB. Rig rel	leased. Ran 146 jts (5919.89') of 5-1,	/2" csg u/flt choo olr
	& 9 centrl. Set @ 59]	15' KB. Cmtd w/400 sx C1 H + 8/10% CF	14 + 8#/sk CSE + 0.35%
	thrifty lite (slurry	wt 13.8). Plug dwn 3:30 PM 1-2-92. Pre	ess diff 850 PSI. Est
	TOC 4000'. Set slips order:	@ 3:45 PM 1-2-92. Rel rig 8:30 PM 1-2-	-92. Ran pipe in following
		2.12' - 17# L80 LT&C-8R	
	121 jts - 497	'7.77' - 17# K55 LT&C-8R	
1-17-92	Ran CBL-CCL-GR. PBTD	5868'. TOC 4050'. Perf Delaware zone	5693'-5702' w/l0 holes
1-18-92	Set pkr & tsg to $3K$ F	Total 13 holes. PU 5-1/2" pkr. Tall PSI - OK. Unset pkr. Pull to 5700'. Dis	ly IH to $5731'$ (181 jts)
/-	2% KCL wtr. Spot 1 bb	ol acid across perfs. Pull pkr to 5605	' & set. Bk fm dwp w/spot
	acid. Form broke 2300) PSI. Pmp 1/2 BPM @ 1500 SPI. ISDP 145	50 PSI. Acidized well
14 basebu esere	w/1000 gal $-15%$ NE/F y that the foregoing is true and correct'	'E + clay stab & 20 balls.	
- V	y that the foregoing is true and correct		Ade
Signed	MARCA TANG	Tule Production Analyst	Date <u>2/16/92</u>
(This space for	r Federal or Sinte office use)		
Approved by _ Conditions of a	approval, if any:	Date	
	··· · ·	*	a an an an Araguera
Tule IR LI C.C. C.	ction 1001 makes it a prime for the set	required, and will full to an and	
or representations a	ction 1001, makes it a crime for any person i as to any matter within its jurisdiction.	knowingly and willfully to make to any department or agency of the United S	itates any false, fictitious or fraudulent statements

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Form 3160-5 (June 1990)	June 1990) DEPARTMENT OF THE INTERIOR				FORM APPROVED Budget Bureau No. 1004-0135	
	BUREAU OF	LAND MANAGE	MENT			Expires: March 31, 1993 5. Lease Designation and Serial No.
	SUNDRY NOTICES	AND REPORTS	ON WELLS			NM-67110
Do not us	se this form for proposals to d Use "APPLICATION FO	rill or to deepen a	or reentry to a	different re	servoir.	6. If Indian, Allonee or Tribe Name
1. Type of Wel		T IN TRIPLICAT	E			7. If Unit or CA, Agreement Designation
V Well	Gas Well Other					8. Well Name and No.
2. Name of Ope	erator <u>Oil Corporation</u>					Federal 31G #2
3. Address and	Telephone No.		<u> </u>			9. API Well No. 30-025-31354
P.O. BOX 4. Location of V	x <u>2107, Roswell, NM 88</u> Well (Foolage, Sec., T., R., M., or Survey E	202-2107		····		10. Field and Pool, or Exploratory Area
	FNL & 2310' FEL				-	Gem Bone Spring 11. County or Parish, State
	on 31, T19S-R33E					The County of Parish, State
				·····		Lea Co., NM
	HECK APPROPRIATE BOX	(S) TO INDICATE	NATURE O	F NOTICE,	REPORT	, OR OTHER DATA
				TYPE OF /	ACTION	
Ĺ	Notice of Intent		Abandonment			Change of Plans
L.	Subsequent Report		Recompletion Plugging Back			Non-Routine Fracturing
Γ	Final Abandonment Notice		Casing Repair			Water Shut-Off
	- The Abeliconnell Nolice		Altering Casing			Conversion to Injection
						L. Dispose Water (Note: Report results of multiple completion on Well
13. Describe Prop give subs	used or Completed Operations (Clearly state al surface locations and measured and true vertic	I pertinent details, and give al depths for all markers a	pertinent dates, inclu-	ding estimated date	of starting an	Completion or Recompletion Report and Log form i y proposed work. If well is directionally drilled,
1-21-92		•	coines pertinent to	una work.)		
1-21-92	Unset pkr. POOH. Per: 5565' 5573' 557	t Delaware zor 77' 5580'	ne as follo 5585'	ws: 5588'	5595'	
	67' 74'		86'	9900 891	1141	•
		79' 84'	87'	93'		
1-22-92	Set RBP @ 5637'. Pkr Tstg RBP to 2000 PSI.	@ 5605'. . Pull & set r	okr @ 5480'	Brk for	m w/300	00 PSI. Acidized w/1500
1 25 02	gai 15% NE/FE W/Clay	stay & 30 bal	ls.	. DIK IOI	m w/ 300	50 FS1. ACIAIZEA W/1500
1-25-92	Unset pkr. POOH. Peri	E: 5226' 52 27'	235' 36'			
		28'	37'			
	Total 7 = 0.32 balas	29'				
	RBP to 2000 PSI - OK.	Spot 1.2 bb1	(BP. Pull to s acid acro	o 5290' & oss perf	set. P	ull pkr to 5261'. Tsg o 5157'. Set pkr. Brk
	TOTIL W/2700 PS1. Pmpd	i spot away 🤄	1.8 BPM (d	1950 PSI.	Bull h	ead 600 gal 15% NE/EE
	acid w/clay-stay + ll	balls. Avg r	ate 3.8 BPI	M @ 2500	PDI. IS	DP 1426 PSI.
14. I hereby certify	that the foregoing is true and correct			<u> </u>	As	
Signed	MULL KAPG	Title Prod	uction Anal	lsyt	~~~~~	Date 2/15/92
(This space for	Federal or State office use)	*******				
Approved by Conditions of ap	pproval, if any:	Title				Date
	the control and c					Date
Title 18 U.S.C. Som	tion 1001, makes it a crime for any many - 1-	rowingly and a further				
r representations as	tion 1001, makes it a crime for any person kn to any matter within its jurisdiction.	iowingly and willfully to m	ake to any departmen	it or agency of the	United States	any false, fictitious or fraudulent statements
		*Can Instant				

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Form 3160-5 (June 1990)		ITED STATES NT OF THE INTERIOR	FORM APPROVED
	BUREAU OF	Budget Bureau No. 1004-0135 Expires: March 31, 1993	
			5. Lease Designation and Serial No.
Do not u		AND REPORTS ON WELLS	6. If Indian, Allonee or Tribe Name
	Use "APPLICATION FC	rill or to deepen or reentry to a different DR PERMIT—" for such proposals	reservoir.
1. Type of Wel		T IN TRIPLICATE	7. If Unit or CA, Agreement Designation
X Oil Well	Gas Well Other		8. Well Name and No.
2. Name of Opi			Federal 31G #2
Manzano 3. Address and	Oil Corporation		9. API Well No.
	<u>x 2107, Roswell</u> , NM 88	202-2107	30-025-31354
4. Location of 1	Well (Footage, Sec., T., R., M., or Survey E	Description)	10. Field and Pool, or Exploratory Area
	L & 2310' FEL	•	Gem Bone Spring
	31, T19S-R33E		Lea Co., NM
<u>12.</u> C	HECK APPROPRIATE BOX	s) TO INDICATE NATURE OF NOTICI	E, REPORT, OR OTHER DATA
T	YPE OF SUBMISSION		FACTION
C	Notice of Intent	Abandonment	Change of Plans
k	Subsequent Report	Recompletion	
		Plugging Back Casing Repair	Non-Routine Fracturing
Ĺ	Final Abandonment Notice	Altering Casing	Water Shut-Off
		Other	Conversion to Injection Dispose Water
11 Drugsha Drug			(Note: Report results of multiple completion on Well
give subs	surface locations and measured and true vertic	I pertinent details, and give pertinent dates, including estimated a al depths for all markers and zones pertinent to this work.)*	Completion or Recompletion Report and Log form i date of starting any proposed work. If well is directionally drilled,
1-28-92	Unset pkr. POOH Perf:	5175' 5181' 5185' 5191'	5197'
		77' 83' 88' 93'	
	Total of 1/ 0 2011	79' 84' 89' 95'	
	Pull & set $pkr = 0.32^{\circ\circ} h$	oles. Unset RBP & reseat @ 521	l'. Spot 1 bbl ac across perfs.
	stay + 24 balls.	. Broke form w/2100 PSI. Acidi	zed w/1250 gal 15% NE/FE + clay
1-30-92	Unset pkr. POOH. Perf	: 5130' 5134' 5147' 5153	1
		31' 35' 48' 54	
		33' 36' 51' 55	1
	Unset RBP & move to 5	170'. Set pkr @ 5167'.Tsg RBP @	2100 PSI. Spot 1 bbl acid across
	clay stab & 24 balls.	r @ 50/2'. Brk form @ 2670 PSI.	Acidized w/1000 gal 15% NE/FE +
2-1-92	oldy blub d 24 Dalls.	set RBP to 5480'. Pull pkr to 5	
	EUGeener, Swab dry In	J runs.	
2-4-92	Unset pkr & plug, POO	H. WIH W/CIBP & set @ 5530' en	ab csg to 4300'. POOH w/tbg. Frac
	and the set of the set of the	ctra G-3000 + 221K# 16/30 Ottaw L. Max press 2380 PSI. Min P 14	2 Sd (d 1#/aa1 $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$
4. 1 hereby certify	what the foregoing is true and correct		VO PSI. ISDP 1600 PSI
Signed	Alva, & Kina	Tal. Description of a	Her
/	Federal or State office use)	TiteProduction Analyst	Date 2/15/92
Approved by	,	Th	· · · · · · · · · · · · · · · · · · ·
Conditions of a	pproval, if any:	Title	Date
			n na haran ar an

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Form 3160-5 (June 1990)	UNITED STATES		FORM APPROVED Budget Bureau No. 1004-0135 Expires March 31, 1993			
			5. Lease Designation and Serial No			
D	SUNDRY NOTICES	NM-67110 o. It listian, Allottee or Tribe Name				
	e this form for proposals to d Use "APPLICATION FC	f.				
		T IN TRIPLICATE	7. If Unit or CA. Agreement Designation			
1. Type of Well fyryr Oil						
2 Name of Open	Well Other		8. Well Name and No.			
•			Federal 31G #2			
3. Address and T	<u>Oil Corporation</u>		9. API Well No			
P.O. Box	2107 Rosuell NM 9	8202.2107	30-025-31354			
4 Location of W	fell (Footage, Sec., T., R., M., or Survey E	0202-2107 Assemption)	10. Field and Pool, or Exploratory Area			
	. & 2310' FEL		Gem Bone Spring 11. County of Parish, State			
	31, T19S-R33E		the county of Farish, State			
			Lea Co., NM			
12 CH	HECK APPROPRIATE BOX	s) TO INDICATE NATURE OF NOTICE, REPO	ORT. OR OTHER DATA			
Υ	PE OF SUBMISSION	TYPE OF ACTIO				
	Notice of Intent					
			Change of Plans			
[x	Subsequent Report	Plugging Back	L. New Construction			
~		Casing Repair	Non-Routine Fracturing			
L_	Final Abandonment Notice	Altering Casing	Conversion to Injection			
		Other	Dispose Water			
			(Nule: Report results of multiple completion on Weat			
13 Describe Propo give subsu	used or Completed Operations (Clearly state al inface locations and measured and true vertic	I pertinent details, and give pertinent dates, including estimated date of starti al depths for all markers and zones pertinent to this work J*	Completion or Recompletion Report and Log form ; ing any proposed work. If well is directionally drilled,			
2-5-92		perment to ans work)				
	head. PU 1 it opp en	SI. Flw bk 600 bbls/6-1/2 hrs w/show ded mud anchor & SN. TIH w/tbg. Tag	of form gas. Take off frac			
	of mud anchor to 513	5'. Pack-off wellhead. 68' rat hole.	IIII @ 5305'. Pulled end			
	za ori cut, ri @ sur	1, nook up to frac tk. Set chk on 18/	'64" A Swab runs. Rec 80 bbls			
2-6-92	Take off chk, opn 2"	ake off chk, opn 2" valve 10 PSI - 40 BF 7% oil cut				
	Installed chk. Set on 24/64" - 22 PSI - 9 BF 10% oil cut					
2-7-92	Upn chk to $28/64^{\prime\prime}$, 9	th hr FTP 90 PSI - 26 BF - 10% oil cu	it.			
2-7-92	SICP 360 DSI PTD 16	1 80 BF/8 hr: 28 BO + 52 BW. Color c	ut tks @ 46 BO + 118 BW.			
2-12-92	SICP 360 PSI, FTP 165	5 PS1 on 18/64'' chk.	-			
/-	Flwd 73 BO + 100 BW in 23 hrs on $18/64$ " chk. FTP 180 PSI, CP = 920 PSI. Set 6×20 heater treater. Turned to heater treater @ 4:40 PM. Started dmpg oil to frac tk					
	@ 7:00 PM 2-11-92. Transferred 64 BO fr frac tks to fill treater.					
2-14-92	Flwd 90 BO + 100 BW in 23 hrs. FTP = 200 PDI on 18/64" chk. CP 1250 PSI. Hooked up t					
	2×30 bis slock lks. Turned into tks (2:30) PM 2-13-92					
2-15-92	Flwd 112 BO + 68 BW.					
2-16-92 2-17-92	Flwd 107 BO + 72 BW.					
2-17-92	FINAL REPORT	TP = 170 PSI, CP = 1400 PSI.				
14. I hereby certify	that the foregoing is true and correct					
	una 2 Kind	Her Broduction traluct				
(This space for I	Foderal or State office use)	Tule Production Analyst	Date 2/17/92			
Approved by Conditions of ap	pproval, if any:	Title	Date			
Title 18 U.S.C. Secti	ion 1001, makes it a crime for any person by	powingly and willfully to make to any department of standard of the life				

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The 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 false, fictitious or fraudulent statements or representations as to any matter within as jurisdiction.

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