Submit 3 Copies To Appropriate District	<u> </u>					
Office	State of				Form C	
District I	Energy, Minerals	and Nat	ural Resources		Revised March 25	i, 1999
1625 N. French Dr., Hobbs, NM 88240 District II				WELL API NO.		
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERV	VATION	DIVISION	30-025-20748		
District III	1220 South	n St. Fra	ncis Dr	5. Indicate Type		
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe			STATE	🛛 FEE 🗌	
<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM	Sana I	c , 141 41 0	7505	6. State Oil &	Gas Lease No.	
87505						
SUNDRY NOTICE	S AND REPORTS O	N WELLS	5	7 Lease Name	or Unit Agreement N	
(DO NOT USE THIS FORM FOR PROPOSAL	S TO DRILL OR TO DEE	PEN OR PL	UG BACK TO A	Warn State A/C		ame:
DIFFERENT RESERVOIR. USE "APPLICAT PROPOSALS.)	'ION FOR PERMIT" (FOR	M C-101) F	OR SUCH	Hamblate AC	1	
1. Type of Well:						
Oil Well ⊠ Gas Well □ Othe	-					
2. Name of Operator	<u> </u>					
Marathon Oil Company				8. Well No.		
3. Address of Operator				3		
P.O. Box 2490, Hobbs, NM 88240			i	9. Pool name or		
4. Well Location				N.Vac. Abo/Vac	. Upper Penn/Wolfca	mp
			1908			
Unit Letter F : 2080 fe	et from the <u>North</u>	line and		n the West	1	4
		11110 und		ii uie <u>west</u>	line	1
Section 31	Township	17S F	Range 35E	NMPM	County Lea	
	0. Elevation (Show w	hether D	R, RKB, RT, GR, etc.)	<u>County</u> Lea	
	GL 3975'	KB 3989	,			
11. Check App	ropriate Box to Inc	dicate N	ature of Notice I	eport or Other	Data	
NOTICE OF INTE	NTION TO-			SEQUENT RE		
	LUG AND ABANDON	\boxtimes	REMEDIAL WORK			
					ALTERING CASING	; []
TEMPORARILY ABANDON	HANGE PLANS		COMMENCE DRIL		PLUG AND	-
		_			ABANDONMENT	
	ULTIPLE		CASING TEST ANI			
C	OMPLETION	i	CEMENT JOB	_		
OTHER:			OTHER:			
12 Describe proposed or completed on	arationa (Clean)-					
12. Describe proposed or completed op starting any proposed work) SEE R	III F 1103 For Mult	e all perti	nent details, and give	e pertinent dates, i	ncluding estimated da	ate of
starting any proposed work). SEE R recompilation.		ipie Comp	neuons: Attach well	bore diagram of p	roposed completion of	or

Propose to Plug and Abandon well per attached procedure.

THE COMMISSION MUST BE NOTIFIED 24 HOURS PRIOR TO THE BEGINNING OF PLUGGING OPERATIONS FOR THE C-103 TO BE APPROVED.

I hereby certify that the information above is true and $\int \int \frac{1}{\sqrt{2}} dx$	complete to the best of my knowledge a	nd belief.
SIGNATURE JULL POrpart	TITLE <u>Administrative Assis</u>	tantDATE_2/5/2002
Type or print name Julie Poupart		Telephone No. 915-687-8418
(This space for State use)	Un provide an California	EFB 1 3 2002
APPPROVED BY	PAOL F. KAUTZ TITLE PETROLEUM ENGINE	FED I 0 LOOD
Conditions of approval, if any:	ENGINE	ER DATE
		M

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Warn State A/C 1 Well No. 3 UL 'F', 2080' FNL and 1908' FWL Section 31, T-17-S, R-35-E Lea County, New Mexico

Date: AFE No: Cost:		ry 30, 2002 (pense) Days)									
Purpose:	Plug a	nd Abandon well									
Elevation:	KB: 3 GL: 3										
	PBTD:	Abo csg: 9372 Wolfcamp csg Penn csg: 101	2' top of fish, 9400' CIBP, 10187' cmt 250' top of fish, 10184' cmt 94' cmt								
	TD:	10,301'									
Surface Casin	g:	13-3/8", 48 lb/f	t, H-40 casing set at 356'. Cemented with 375 sks, circulate.								
Intermediate C	asing:	9-5/8", 36 & 4	0 lb/ft, J-55 & N-80 casing set at 5002'. Cemented w/ 2650 sks. y TS. Cement squeeze 150 sks down between 13-3/8" and 9-5/8"								
Production Ca	sing:	3 strings of 2-7/ by TS. Wolfca	′8", 6.5 lb/ft, J-55 & N-80 tubing. Cemented w/ 300 sks. TOC ~ 2965' mp @ 10,247'. Abo @ 10,245'. Penn @ 10,241'.								
Tubing/BHA:			Use: 1.90", 2.76 lb/ft, N-80, IJ – 10rd tubing.								
Perforations:		Abo Csg:	9122' - 9279' (Abo Pool) 9222' - 9232' (Communication with Penn csg) 9354' - 9360' (Communication with Penn csg)								
		Wolfcamp Csg	: 9478' - 10031' (Wolfcamp Pool) 10005' - 10029' (Communication with Penn csg) 10124' - 10146' (Communication with Penn csg)								
		Penn Csg:	 9222' - 9232' (Communication with Abo csg) 9354' - 9360' (Communication with Abo csg) 9478' - 9854' (Wolfcamp Pool) 10005' - 10029' (Communication with Wolfcamp csg) 10124' - 10146' (Penn Pool & Communication with Wolfcamp csg) 								
Anticipated SB	HP:	600 psi									
Safety Conside	erations	: 1. 2. 3. 4. 5.	Hold safety meeting to discuss procedures and safety issues. Top of Anhydrite is ~1500'. Top of fish in Wolfcamp casing is 250'. A cement yield of 1.18 cf/sk (15.6 ppg, class 'H') was used for cement top calculations, adjust sks of cement if yield is different. Wolfcamp pump in rate was 1.5 BPM at 400 psi with water. PROCEDURE for P&A								
1. Inspect	location.	Test safety and	chors and replace as needed.								

- 2. MIRU PU.
- 3. Kill well as necessary with 2% KCl water. ND wellhead and NU BOP equipment (Wolfcamp csg).
- 4. Hook up line from Abo and Penn casing to pit. Pump down Wolfcamp casing with 60 to100 bbls of 2% KCl while checking for blow on Abo, Penn and surface casing. (This is to check communication between the three casing strings and for cement volume calculation)
- 5. RU wireline company on Wolfcamp casing. Run gauge ring to top of fish at 250'. Run cement retainer and set at 235'. RD wireline company.
- 6. TIH with 1.90" tubing and stinger into retainer (Wolfcamp casing). Test tubing with 2% KCl to 1000 nsi

Procedure Warn State A/C 1 Well No. 3 Page 2

- 7. Pump 368 sks (434.2 cf) of cement, flush with 9.5 ppg mud. As cement is clearing retainer, let it take the flush with out the pump if possible. Sting out and reverse out. WOC.
- Note: A. If cement does not fall below retainer then the top of cement in Abo and Penn csg is at ~4900'.
 - B. If cement falls to balance point, then top of cement will be 4600' in the Wolfcamp csg, and in the Abo & Penn csg at 4050', and this could take up to 10.5 bbls of total flush.

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- C. Need to pump a minimum of 101 sks to reach top of Wolfcamp perfs.
- D. Maximum pump rate 2 BPM and maximum pressure 500 psi.
- 8. Sting into retainer. Attempt to pump down the tubing with 9.5 ppg mud. Call OCD with results.
- 9. Sting out of retainer. Stop 1 sks of cement on top of retainer. Circulate 9.5 ppg drilling mud to surface. POOH.
- 10. RU wireline company on Wolfcamp casing. Cut 2-7/8" casing at deepest depth (200'). RD wireline company.
- 11. POOH with 2-7/8" Wolfcamp casing, laying down.
- 12. NU BOP on Penn casing. TIH with 1.90" tubing and tag top of cement. Circulate 9.5 ppg drilling mud to surface. If cement is above 4950', POOH. If cement is below 4950', spot cement plug (~5 sks) from 5080' to 4900', WOC then tag top of cement and POOH.
- **Note:** If cement top is below 5100', call OCD with depth to cement top. They will tell us if we need any other cement plugs from the cement top to 5100'.
- 13. RU wireline company on Penn casing. Run free point and chemical cut 2-7/8" Penn casing at top of cement (~2965'). RD wireline company.
- 14. POOH with 2-7/8" Penn casing, laying down.
- 15. NU BOP on Abo casing. TIH with 1.90" tubing and tag top of cement. Circulate 9.5 ppg drilling mud to surface. If cement is above 4950', POOH. If cement is below 4950', spot cement plug (~5 sks) from 5080' to 4900', WOC then tag top of cement and POOH.
- **Note:** If cement top is below 5100', call OCD with depth to cement top. They will tell us if we need any other cement plugs from the cement top to 5100'.
- 16. RU wireline company on Abo casing. Chemical cut 2-7/8" Abo casing at same depth as Penn casing (~2965'). RD wireline company.
- 17. POOH with 2-7/8" Abo casing, laying down.
- 18. NU BOP on 9-5/8" casing. TIH with 1.90" tubing to top of 2-7/8" casing (~2965'). Circulate 9.5 ppg drilling mud to surface.
- 19. Spot 65 sks (76.7 cf) cement plug from top of cut 2-7/8" casing string at 2965' (top of cement to 2770'). WOC and tag.
- 20. Pull up hole to 1550 (Anhydrite). Spot 65 sks (76.7 cf) cement plug (top to 1355'). WOC and tag.
- 21. Pull up hole to 410' (Shoe). Spot 91 sks (107.4 cf) cement plug (top to 140'). WOC and tag.
- 22. Pull up hole to 60'. Spot 25 sks (29.5 cf) cement plug (top at surface). POOH.
- 23. ND BOP equipment. RDMO PU.
- 24. Cut off wellhead and anchors (3' BGL). Install dry hole marker.

C:\wpdocs\proc\warn 1_3_b.doc

xc: Brad Hutchison Tony Hallum Tom Kacir Ralph Skinner





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Crntd 3 strings of 2-7/8" tog as production csg for 3 different zones: Abo @ 10,245; Wolfcamp @ 10,247 & Penn @ 10,241.

Peri'd Wolfcamp (1 SPF) @ 9975 80.5 93 10,005.5 10.5 25 31'. Acd2d same w/2000 gat Spearfeed acid & 1000 gal Acetic acid. Aug '64 Perfd Penn (2 SPF) @ 10,124-25 31-32 36-37 45-46". Acdad same w/1000 gal Acetto acit. Perfd Abo (1 SPF) @ 9122 37 78 64 94 9206 17 22 29 50.5 64.5 79'. Actized same w/gal BDA acid & 1000 gal Acetic acid. Turned to prod flwg: Abo-240 bopd, Wolfcamp-191 bopd & Penn-242 bopd thru individual 2-7/8" csg strings.

Acdzd Wolfcamp 9975-10,031' w/8000 gal 15% CRA acid. Ret to prod flwg all 3 zonas. Sep '64

Acdzd Abo 9122-9279 w/10,000 gal 15% CRA acid for scale. Ret to prod flwg all 3 zones. Dec '65

Aug '66

Acded Wolfcamp 9975-10,031' w/2000 gal 15% acid. Installed pumping equipment. Ret to prod ppg Wolfcamp, fiving Abo & Penn. July '67

Cut paraffin in Abo string. Installed pumping equipment. Ret to prod ppg Abo & Wolfcamp, fiwg Penn. Aug '67

Accized Abo & Wolfcamp w/1000 gal each 15% converted acid & ret to prod ppg.

Oct 78 Perfd Wolfcamp string in Penn zone (2 SPF) @ 10,124-46' tivu Penn string (plans were to commingle Wolfcamp/Penn & produce thru Wolfcamp string). Set Baker CIBP in Abo string @ \$400'. Lost 1-1/2" Integral joint tog w/rods in Wolfcamp - unable to fish (top/fish @ 237 - collier fooking up w/dutchman in threads). Decided to commingle using Penn string. Perfd Penn string in Wolfcamp zone (2 SPF) @ 10,005-23'. Ret to prod ppg Abo: 15 bopd & Wolfcamp/Pann; 30 bopd.

Sqzd 13-3/8" csg w/150 sx "H" w/2% CaCi2 to cover pressure entering 9-5/8" x 13-3/8" annulus just below 13-3/8" csg shoe. Sep '82

Jan '88

Fished rods & tog in Abo string and fished rods in Penn/Wolfcamp string. Ret to prod ppg Abo: 13 bopd & Wolfcamp/Pann: 38 bopd. C/O fill in Abo string 9365-72. Tagged Penn/Wolfcamp string PB @ 10,427. Pari'd Wolfcamp in Penn/Wolfcamp cag (1 SPF) @ Oct '94 9478-88 9840-50 & 9844-54. Perfd communication holes (thru both strings) (4 SPF) @ 9354-80. Perfd Abo in Abo cag (1 SPF) @ 9222-32". Acdzd Abo 9122-9279 w/2000 gai 15% Hol. Acdzd Wolfcamp 9844-54 w/1500 gai 15% Hol & 9478-9050 w/2100 gai 15% Hct. Turned to prod ppg original Penn string (Perf'd in Penn/Wolfcamp & commingled w/Abo thru communication holes) @

Oct '95 Shut-in well.

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Jun 184

	& No.	WARN CT	TE ALD A					
County	LEA	API	TE A/C 1 #3	Field	VAC	NUM		
Spudded	5/2/1964	Comp Drig	3002520748	State	NEW MEXIC			Date 03/28/01
		- and brid	6/8/1964	Location	2080' FNI	& 100P ENI	Ву	TIM L. CHASE ship 17S, Range 35E, UL 'F'
[17-1/2" Hole				13-3/8" 48# H-40 (375 Sx Trinity Re 1-1/2" Integral J	ST&C Srd @ 351 gular w/2% Gel a oint Tbg w/Roda	W/376 SX (Cir 2% CaC/2) + S Stuck in Hole W/	
[1]	2-1/4" Hole				TOC @ 1100 B TOC @ 2965 B 5/8" 36/40# J-55 N- 300 Sx Lite + 350 S	TS Outside 2-7/ 10 ST&C LT&C (Crinity Regular -	8" 9 5002" w/2850 Al w/2% Gel &	8x (DNC) 1/4 PPS Flocele)
	Abo Wol	fcamp		93	54-60' (Communicati 9372' Fill in Abo Stri 2400' CIBP in Abo St 78-88 9640-50 9644-4 78-88 9640-50 9644-4 78-88 9640-50 9644-4 78-88 9640-50 9644-4 78-88 9640-50 9644-4 78-88 9640-50 9644-4	ng ring	Abo csq	η φ)
	Pen			3 SI	0247 TOC in Wolfa 10427 TOC in Penn rings 2-7/8" 8.4# J- 9 Sx Incor w/18% Sal Formal 5 2793	Wolfcamp String 35 N-80 Annico 8 8, 4% Gel & .75% ion Tops	ical Lock Tig A CFR-2) (TOC (As Csg (DNC) B 29\$5' By TS)
3975" DF: 1: Abo-9372	: 3988' KB ' Wolfcamp-2	: 3989 [.] 37' Penn-10,4	427' TD: 10,:	7 Rh Quee Gray San , √ Glorid	ters 3496 an 3702 burg 4049 Andres 4340	Paddock Bilnebry Abo Wolfcamp Lwr Wifc Penn	6018' 6583' 7977' 9371' 9965' 10,089'	. [/ // j]
				(· (person of)	(ાદમા-ાવવા)	чу%