

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

BRUCE KING GOVERNOR LARRY KEHOE

July 22, 1981

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 (505) 827-2434

SECRETARY

Mesa Petroleum Co. Vaughn Building Suite 1000 Midland, Texas 79701

Attention: Mr. R. E. Mathis

Administrative Order NSP-1258

Gentlemen:

Reference is made to your application for a 166-acre non-standard proration unit consisting of the following acreage in the Abo formation:

> CHAVES COUNTY, NEW MEXICO TOWNSHIP 6 SOUTH, RANGE 26 EAST, NMPM Section 5: All

It is my understanding that this unit is to be dedicated to your Spring Federal Well No. 2 located 660 feet from the South line and 660 feet from the West line of said Section 5.

By authority granted me under the provisions of Rule 104 D II, the above non-standard proration unit is hereby approved.

Sincerely,

JOE D. RAMEY, Director

JDR/RLS/dr

cc: Oil Conservation Division - Artesia
Oil & Gas Engineering Committee - Hobbs
U. S. Geological Survey - Artesia

CMD :	ONGARD	12/29/03 08:39:21
OG5SECT	INQUIRE LAND BY SECTION	OGOMES -TPZC
Sec : 05 Twp : 06S Rng	: 26E Section Type : NORMAL	PAGE NO: 2

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Form 3160-4				UNITED STA		W	Gra	ind A	ver	nue			I APPRI	
(September 2001)			BUREAU	MENT OF TH	ANAGEME	esia	1, NI	VI 8 8	321	0		Expires: .		
			ETION OF			REPU			56		5. Lease	Serial No.		07
1a. Type of Well			X Gas Well		Other	ļ 				•			1-321	
b. Type of Completi	on: Other	New Well [: RE-E	Work Over	Deepen	Piug Bac	C		Diff. Res	V r .,		6. IT INDI	an, Allottee	orinda	e Name
2. Name of Opera		oration									7. Unit c	or CA Agree	ment Na	ame and No.
Yates Petrol	eum corp	oration		3a. Phone No). (include area	a code).	1.0.4	12122	<u></u>	<u> </u>	8. Lease	e Name and	Well N	0.
105 S. 4th S	Str., Artesia	, NM 88	3210	505-748-			<u>ې ۲</u>		< <u>-</u>	(<u>.</u>			eep F	ederal #4
4. Location of We	II (Report loca	ation clearly	y and in accord	ance with Feder	al requiremen	(S)". ``		₹	4	2027	9. API V		05-6	3022
At Surface	660'FNL &	1980'FE	EL (Unit B, M	IWNE)		415	RA		103	728	10. Fiek	d and Pool,	or Expl	oratory
			0	- h		131	OCD.	ADTE	D	N	11. Sec.	Wildca		olfcamp
At top prod. Int	erval reported	below	Same as	apove		12		· ···/Es	NA	420E	1	ey or Area Section	5-16	S-R26E
At total depth	Same a	s above				× C	2			×/		nty or Parish		and the second sec
					<u> </u>]	OCD.	83 *3	2V		1	naves	-	ew Mexico
14. Date Spudde			15. Date T.D.R 3/2	eached 2/03	16. Date Co	mpleted	Ī	6/ Ready	22/03		17. Elev	vations (DF.		
	E 3/9/03	5600'						,				3692'G	-	3704'KB
18. Total Depth:	MD TVD	NA	11	9. Plug Back T.E	ס.: MD ס∨ד	4920' NA	20. De	apth Bridg	je Plug	Set:	MD TVD	6400, c	290',	5115', & 492
								 1						
21. Type Electric &	Other Mechanic	al Logs Run	(Submit copy of e	ech)	22 Was W Was D	t] No] No		•	ubmit ar ubmit re	•		
CNL, Azimu	uthal Laterol	og, Boret	ole Compens	sated Sonic		al Survey] No	_		ubmit co	• •		
23. Casing and L	iner Record (Report all s	trings set in we	li)	_L	·····								
						Cemer		No. of Sk		Slumy				
Hole Size	Size/Grade	Wt.(#/ft	.) Top (MD)	Bottm(MI		Depth		ype of Ce 800 s		(88	L)	Cement	t top-	Amount Pulle
12-1/4"	9-5/8"	36#	Surf	935'		;		In Plac						
8-3/4"	5-1/2"	15.5		1650'				- 005				10001	001	
7-7/8"	5-1/2"	15.5	1000	5600'	·			<u>235 s</u>	×		•	4280'	CBL	
24. Tubing Reco		•					·····							·····
Size 2-7/8"	Depth Se 432		Packer Depth 4327'	(MD) Size	e Depth S	Set (MD)	Pack	er Depth	(MD)	Size	Depth	Set (MD)	Pad	cker Depth (MD
25 . Producing In							26. Pe	rforation	Record		<u> </u>		<u> </u>	
	ormation		Top 4402'		Bottom		Perfor	ated Inter	val	Size	No	. Holes		Perf. Status
A) Wolfcam B)	p		4402		4612'			·		See A	ltache	d Shee	i t	
C)						i	1							
D) 27. Acid, Fractur	e. Treatment	Cement S	queeze. Etc.	l			L				¶ A€	T430	FIII	FOR REC
	pth Interval					Ar	nount an	d Type o	f Mater	ial		<u> </u>		
			L		See Attach	ad Ch	leet				ļ			
							1001						<u>L-2</u>	1 2003
28. Production -	Intervel A										1	66	_	~
Date First	Test	Hours	Test	Oil	Gas	Water	Oil	Gravity	Ga	s Proc	JuctionA	ARMA	NDO	A. LOPEZ ENGINEER
Produced	Date 6/22/03	Tested	I Product	ion BBI O		BBL	Co	rr. AP!	Grav	/ity			LOW	ENGINEER
Choke	Tbg. Press.	Csg.	24 Hi			0 Water	Ga	as: Oil	Well S	Status			. <u> </u>	<u>-</u>
Size	Flwg.	Press		BB	L MCF	BBL		Ratio				_		
8/64" 28a. Production-	200 psi Interval B	NA		0	50	0	L					SIWOP	L	
Date First	Test	Hours				Water		-	Gas		luction I	Method		·
Produced	Date	Tested	I Product	ion BBI		BBL	Corr. /	4PI	Gravit	У				
Choke	Tbg. Press.	Csg.	24 H		Gas	Water	Gas: C		Well S	Status				
	1		I D-4-	BBL	hung	Inn	1 Date		1					
Size	Flwg.	Press	. Rate		MCF	BBL	Ratio							

I.

Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method
Produced	Date	Tested	Production	BBL	MCF	88L	Corr. API	Gravity	
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas: Oil	Well Statu	S
Size	Flwg.	Press.	Rate ⊂>	BBL	MCF	BBL	Ratio		
Sc. Production	- Interval D					1			
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method
Produced	Date	Tested	Production	BBL	MCF	BBL	Corr. API	Gravity	· · ·
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas: Oil	Well Statu	is .
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio		

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold if produced

 30. Summary of Porous Zones (Include Aquifers):
 31. Formation (Log) Markers

 Show all important zones of porosity and contents thereof: Cored intervals and all drill-stern tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.
 31. Formation (Log) Markers

Formation	Тор	Bottom	Description, Contents, etc.	Name	Top Meas Depth
				Abo	3716'
			:	Wolfcamp	4400'
				Wolfcamp B Zone	4488'
				Spear	4732'
				Cisco	4988'
				Strawn	5190'
	r			Mississippian	5368'
				Siluro-Devonian	5398'
			ι	Pre-Cambrian	5434'
	1	1 1			{
		4			
			1		

32. Additional remarks (include plugging procedure):

33.Circle enclosed attachme 1. Dectrical/Mechanical L 5. Sundry Notice for plugg	.ogs (1 full set req'o	•	2. Geologic Report 6. Core Analysis	3. DST R 7. Oher	eport 4. Dire Deviation Su	nctional Survey rvey
34. I hereby certify that the f	pregoing and attac	ched informati	ion is complete and correct	as determined from	n all available re	cords (see attached instructions)*
Name(please print)	a Huerta				Title	Regulatory Compliance Supervisor
Signature C	Line	Huer	ta	۰ 	Date	June 25, 2003
Title 18 U.S.C. Section 100 States any false, fictitious of) 1 and Title 43 U.S fraudulent statem	.C. Section 1 ents or repre	212, make it a crime for any sentations as to any matter	y person knowingly within its jurisdictio	and willfully to m	nake to any department or agency of the United

WELL NAME	AND NUMBER Spring Deep Federal No. 4
LOCATION_	660' FNL & 1980' FEL, Section 5, T6S, R26E, Chaves County NM
OPERATOR	Yates Petroleum Corporation
DRILLING (CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation tests and obtained the following results:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
<u>1/2⁰ 4523'</u>	:	
<u>3/4° 5027'</u>		40202122 22
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	i	TEL OCD ARTESIA
		ANTESIA ESIA Sold States
	<u>_</u>	
	Drilling Contractor United	Drilling Tec
•	By:	my a. also
	George Title: Busines	K Aho
Subscribed and sworn to befor	re me this 25-th day of	Maral
20 <u>03</u> .	· .	

Notary Public

State

My Commission Expires: 9-25-03

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Chaves County

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	UNITED STATES PARTMENT OF THE INT		38210	OMB NO	PPROVED 0. 1004-0135 ember 30, 2000
	UREAU OF LAND MANAGE NOTICES AND REPORT	I		Lease Serial No. NMNM32167	011001 30, 2000
Do not use this	s form for proposals to dr II. Use form 3160-3 (APD)	ill or to re-enter an	6. 1	f Indian, Allottee or	Tribe Name
SUBMIT IN TRI	PLICATE - Other instructio	ons on reverse side, 678	970 7.1	If Unit or CA/Agreen	ment, Name and/or 1
1. Type of Well		Nº N	2 8. V	Vell Name and No. SPRING DEEP FE	DERAL 4
2. Name of Operator YATES PETROLEUM CORPO	Contact: TI	NA HUERTA Mail: tinah@goonm@agefccc	20	API Well No. 30-005-63022-00	D-X1
3a. Address 105 S. 4TH ARTESIA, NM 88210	13	b. Phone No. Linclude area obse	ED 510.	Field and Pool, or I WILDCAT PREC	
4. Location of Well (Footage, Sec., T. Sec 5 T6S R26E NWNE 660F	., R., M., or Survey Description)	2324 52 52 52	-7.202 11.	County or Parish, a CHAVES COUN	
12. CHECK APPE	ROPRIATE BOX(ES) TO I	NDICATE NATURE OF N	NOTICE, REPO	RT, OR OTHER	DATA
TYPE OF SUBMISSION		TYPE OF	ACTION		
□ Notice of Intent	 Acidize Alter Casing 	 Deepen Fracture Treat 	□ Production () □ Reclamation	-	□ Water Shut-O1 □ Well Integrity
🛛 Subsequent Report	Casing Repair	New Construction			□ Other
Final Abandonment Notice	Change Plans	 Plug and Abandon Plug Back 	Temporarily Water Dispo		
13. Describe Proposed or Completed Ope If the proposal is to deepen directiona Attach the Bond under which the wor following completion of the involved testing has been completed. Final Ab determined that the site is ready for final	ally or recomplete horizontally, giv rk will be performed or provide the l operations. If the operation result bandonment Notices shall be filed of	e subsurface locations and measu Bond No. on file with BLM/BLA in a multiple completion or reco	red and true vertical Required subseque moletion in a new in	depths of all pertine ent reports shall be f nterval, a Form 3160	nt markers and zones. iled within 30 days 4 shall be filed once
5/29/03 Perforate Silurian 540 5/30/03-6/1/03 Acidize Siluriar 6/3/03 Re-acidize Silurian with 6/5/03 Set CIBP at 6400' with with 9642" holes. Acidize S 6/9/03 Set CIBP at 5290' with with 5442" holes. 6/10/03 Acidize Cisco with 240 6/12/03 Set CIBP at 5115' with holes. Acidize Cisco 1400g 7- 6/16/03 Set CIBP at 4920' with .42" holes.	n with 1000g 20% IC HCL. n 7000g gelled 20% IC HCL. 10' cement. Perforate Strav Strawn with 2400g 7-1/2% IC 35' cement. Perforate Cisc 00g 15% IC HCL and balls. h 35' cement. Perforate Cisc -1/2% IC HCL. h 35' cement. Perforate Wo	vn 5312'-5320', 5340'-5350 ; HCL and balls. 5 5140'-5148', 5164'-5170', ∞ 5000'-5006', 5028'-5036	5180'-5190'EP ' with 4542" J(1612' with 32 -		
14. I hereby certify that the foregoing is	Electronic Submission #23 For YATES PETROL	636 verified by the BLM Well EUM CORPORATION, sent t	Information Syst o the Roswell	tem	
C Name (Printed/Typed) TINA HUE	Committed to AFMSS for proce		6/26/2003 (03LA0 OMPLIANCE SL	•	·····
Signature (Electronic S	Submission)	Date 06/25/20	003		
	THIS SPACE FOR	FEDERAL OR STATE	OFFICE USE		
Approved By		Title			Date
Conditions of approval, if any, are attached certify that the applicant holds legal or equ which would entitle the applicant to condu	itable title to those rights in the sul	warrant or	······		
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent s	U.S.C. Section 1212, make it a crir statements or representations as to a	ne for any person knowingly and	willfully to make to	any department or a	gency of the United

Additional data for EC transaction #23636 that would not fit on the form

32. Additional remarks, continued

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1 redia

6/17/03 Acidize Wolfcamp 4606'-4612' with 600g 20% IC HCL. Acidize Wolfcamp 4402'-4410' with 800g 20% HCL. Set packer at 4327'. Set RBP at 4667'.

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	orm 1160-5 September 2001)			N.N	Oil Cons	5. 		
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				1301 M	Grand	Avenue	FORM ADDONED	
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Here of Operator Yates Petroleum Corporation Address Address De Phone No. (Address del Pythol No. Sept Well No. Sept Sept No.	. Type of Well	<u>.</u>			07-12			
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Yates Petroleum Corporation Image: Sector Market Marke					2			
a. Address 105.5.4th Str., Artesia, NM 88210 20.75786-1471 20.758 20.7586-1471 20.7586-1471 20.758 20.7586-1471 20.7586-1471 20.758 20.7586-1471 20.758 20.7586-1471 20.758 20.758 20.758 20.758 20.758 20.758 20.758 20.758 20.758 20.758 20.758 20.758 20.758 20.758 20.758 20.758 20.75 20.758 20.75 20.758 20.75 20.758 20.75 20.7	2. Name of Operator				lin	ີ່ <mark>ທ່ Sp</mark>	ring Deep Federal #4	
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BUNDRY	UNITED STATES PARTMENT OF THE II JREAU OF LAND MANA NOTICES AND REPO s form for proposals to	NTERIOR GEMENT	A S JUN	8253037 2003	OM Expire 5. Lease Serial N NMNM321	67
abandoned wei	I. Use form 3160-3 (AP)	D) for such prop		RTESIA	(D) /	ottee or Tribe Name
SUBMIT IN TRI	PLICATE - Other instruc	tions on reverse	1 1100	, ⁽	$_{C_2}^{7.2}$ If Unit or CA.	/Agreement, Name and/or No.
1. Type of Well	ан <u>а на страна на страна на страна на страна</u>		1200 get	22.2.4 J. 194	8. Weil Name an SPRING DE	nd No. EP FEDERAL 4
2. Name of Operator YATES PETROLEUM CORPO	Contact:	TINA HUERTA E-Mail: tinah@ypcn			9. API Well No. 30-005-630	
3a. Address 105 SOUTH FOURTH STREE ARTESIA, NM 88210	ĒT	3b. Phone No. (inc Ph: 505.748.41 Fx: 505.748.458	68		WILDCAT	ool, or Exploratory PRECAMBRIAN
4. Location of Well <i>(Footage, Sec., T</i> Sec 5 T6S R26E NWNE 660F)			11. County or P CHAVES C	arish, and State COUNTY, NM
12. CHECK APPI	ROPRIATE BOX(ES) TO	O INDICATE NA	TURE OF N	NOTICE, R	EPORT, OR O	THER DATA
TYPE OF SUBMISSION			TYPE OF	ACTION		·····
□ Notice of Intent	Acidize	Deepen Fracture	Treat	Produc Reclam	tion (Start/Resum	ne) 🔲 Water Shut-Off
🔀 Subsequent Report	Casing Repair	New Cor		Recom		□ Other
Final Abandonment Notice	Change Plans	Plug and	Abandon	🗖 Tempo	rarily Abandon	
5/29/03 Perforate Silurian 540 5/30/03-6/1/03 Acidize Siluria 6/3/03 Re-acidize Silurian with 6/5/03 Set CIBP at 6400' with with 9642" holes. Acidize 5 6/9/03 Set CIBP at 5290' with with 5442" holes. 6/10/03 Acidize Cisco with 24 6/12/03 Set CIBP at 5115' with holes. Acidize Cisco 1400g 7 6/16/03 Set CIBP at 4920' wit .42" holes.	n with 1000g 20% IC HCI n 7000g gelled 20% IC HCI 10' cement. Perforate Si Strawn with 2400g 7-1/2% 35' cement. Perforate C 00g 15% IC HCL and bal h 35' cement. Perforate (-1/2% IC HCL.	L. CL. trawn 5312'-5320' 6 IC HCL and balls isco 5140'-5148', Is. Cisco 5000'-5006'	, 5340'-5350 s. 5164'-5170', , 5028'-5036	5180'-519(' with 45)' 42"	
14. I hereby certify that the foregoing is	Electronic Submission	#23636 verified by OLEUM CORPORA	the BLM Well	Information to the Rosw	n System ell	
Name (Printed/Typed) TINA HUE	ERTA	Tit	e REG C	OMPLIANC	E SUPERVISO	R
Signature (Electronic	Submission)	Dat	e 06/25/2	003		
	THIS SPACE FO	OR FEDERAL O	R STATE	OFFICE U	ISE	
_Approved By			Title		I	Date
Conditions of approval, if any, are attache certify that the applicant holds legal or eq which would entitle the applicant to cond	uitable title to those rights in the	s not warrant or e subject lease	Office			
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent	U.S.C. Section 1212, make it a statements or representations as	crime for any person s to any matter within	knowingly and its jurisdiction.	willfully to m	nake to any departm	nent or agency of the United
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Additional data for EC transaction #23636 that would not fit on the form

32. Additional remarks, continued

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6/17/03 Acidize Wolfcamp 4606'-4612' with 600g 20% IC HCL. Acidize Wolfcamp 4402'-4410' with 800g 20% HCL. Set packer at 4327'. Set RBP at 4667'.

(formerly 9-330)				SIAI	LUNN.	M Churr	1	(Sec.	·r In-	L'xpire	es Augu	····· ···· /
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IN TYPE OF WELL	L: 0		GAS WELL		γ X	Other	<u> </u>			7. UNIT AGE	EEMENT	NAMB
b. TYPE OF COMP	LETION											
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2 NAME OF OPERATO								_		Spring 9. WELL NO.	Feder	al
YATES PETR		RPORAT	10N		(505) 748-	147	<u>i</u>		- 4		
105 South	4th St.,	Artes	<u>1a, NM</u>	88210			<u> </u>			10, FIELD AN	P POUL,	UR WILDCAT
At surface 660				accordance	with any	y State req			8. N. P	Pecos S	lope	Abo BLOCK AND BURVEY
At top prod. inte) FEL					NON 29.	,	OR AREA		
	rvai reportea	Delow						0.000				
At total depth				1 14 1158	MIT NO.		DAT	ARTE ISSUED	<u></u>	Section		S-R26E
)5-630)22				Chaves		NM
DATE SPUDDED	16. DATE T.D.	REACHED	17. DAT	E COMPL. (1		DF, RKB,	RT, GR, ETC.)*	19. EL	EV. CASINGHEAD
10-12-94 10-14-94	10-23-9			A 10-24				692' GR	****	ROTARY TOO		CABLE TOOLS
4300	1 TVD 21. F	LUG, BACK	T.D., MD A	TVD 22.	HOW M	TIPLE COMI ANT*	1		LLED BY	1	1.8	CARLE TOOLS
4 500	VAL(S), OF TH	IS COMPLE	ETION-TOP	, BOTTOM,	NAME (M	ID AND THE)•	1		40-4300'	25.	WAS DIRECTIONAL SURVET MADE
												SURVER MADE
	Dry											NO
	ND OTHER LOG CNL/LDC		CAS	ING RECO	RD (Rep	ort all stri	nge se	et in well)			N	
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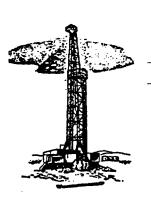
Fitle 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

ORMATION	тор	BOTTOM	DESCRIPTION, CONTENTS, ETC.	` <u> </u>	T	OP
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3160-5 (990)	UNITE DEPARTMENT OI		Drawer DD Arts IRANA	Magzic	FORM APPF Budget Bureau No Expires: March	. 1004-0135 31, 1993	c15
o not use this form	BUREAU OF LANI INDRY NOTICES AND for proposals to drill or 'APPLICATION FOR PE	REPORTS ON W	yano a different	Igagiyoir.	Lease Designation and NM-3216 If Indian, Allottee or	7	-
	SUBMIT IN	TRIPLICATE	18	S.	If Unit or CA, Agree	ment Designation	-
pe of Well			BSWELL, N	EW ME	Well Name and No.		_
Ame of Operator	Other			8.	Spring Fe	deral #4	
YATES PETROLEUN	1 CORPORATION	(505)	748-1471)	9.	API Well No.		
stress and Telephone No.					30-005-		
	St., Artesia, NM 8				Field and Pool, or En Pecos Slop		
	' FEL of Section 5		٢	с р . П	County or Parish, Sta		- .
				ESIA, OMINER		Co., NM	_
CHECK APP	PROPRIATE BOX(s) TO	D INDICATE NATI	JRE OF NOTI	CE, REPORT,	OR OTHER D	ATA	ä. —
TYPE OF SUB	MISSION		TYPE	OF ACTION	•		
Notice of Inter	N.	Abandonn	nent	······································	Change of Plans		
		Recomple	tion		New Construction		
Subsequent Re	port	Plugging			Non-Routine Fract	uring	
Final Abandor	ment Notice	Casing Re			Water Shut-Off	ction	
		Other			Dispose Water		
					(Note: Report results of mu Completion or Recompletio		
Plug #1: 3778 Plug #2: 1649 Plug #3: 985- tagg Plug #4: 63' Nippled down B PLUGGED AND AB PM 10-24-94. NOTE: Verbal	ached TD at 7:30 A -3638' (Abo) - 40 -1539' (Glorieta) 885' (across 9-5/8 red plug to surface - 15 sa OP and removed cas ANDONED - FINAL RI approval to plug of an for Yates Petro	sacks Class "C - 30 sacks Cla 3" shoe) - 30 s acks Class "C" sing head. Ins EPORT. Pluggin	" cement ss "C" cemer acks Class ' cement talled regul g completed ete Chester	nt 'C" cement. lation aband 10-24-94.	WOC 2 hour Ionment mark Released ri	s and er. g at 5:30	
hereby certify that the forego	sing is true and correct		P				
Signed (This space for Federal or Sta	to office weak	TitleProduc	ction Clerk	APD.	Date Oct.	27, 1994	=
•	ie office use)	metal -		PETER W	VED -	ן	
Approved by		Title		MAY -		, 	_
Conditions of approval, if any			۰ ۵۰۰۰	1	1994		
	tes it a crime for any person knowi within its jurisdiction.	ngly and willfully to make to	any department or age	EA of the United State	1994 is any false, fictitious o	r fraudulent statemen	 its

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3160-5	UNITEL TATES NN OIL	Cons. Commis	FORM APPROVED	A
1990) DEPA	TMENT OF THE INTERIOPTAWET	DDELAND	Budget Bureau No. 1004-0135 Expires: March 31, 1993	
BUREA	U OF LAND MANAGEMENTION	CON RESOURTING	5. Lease Designation and Serial No.	
20112	14	SAC INA 2	NM-32167	
SUNDRY NO	TICES AND REPORTS ON WELLS		5.11 Indian, Allottee or Tribe Name	
not use this form for proposa	is to drill or to deepen or reentry to a	a different reservoir.		
	ON FOR PERMIT—" for such propos	also 01 0 11594		
S	UBMIT IN TRIPLICATE		7. If Unit or CA, Agreement Designation	
yse of Well				
Well X Well Other		K NEW NE	8. Well Name and No.	
ame of Operator			Spring Federal #4	
YATES PETROLEUM CORPORA	TION (505) 748	-1471)	9. API Well No.	
Adress and Telephone No.			30-005-63022	
105 South 4th St., Arte		MAN 4:9	10. Field and Pool, or Exploratory Area Pecos Slope Abo	
• • • • •	Section 5-T6S-R26E (Unit B,	NWNE)	11. County or Parish, State	
500 FML & 1900 FLL 01	beccion y 100 made (onne by		I. [
		SIA, OI	FICE Chaves Co., NM	
CHECK APPROPRIAT	E BOX(S) TO INDICATE NATURE			<i>.</i>
TYPE OF SUBMISSION		TYPE OF ACTION	J	
XX Notice of Intent			Change of Plans	
Subsequent Report	Plugging Back		Non-Routine Fracturing	
	Casing Repair		Water Shut-Off	
Final Abandonment Notice	Altering Casing		Conversion to Injection	
	Other		Dispose Water (Note: Report results of multiple completion on V	Vali
			Completion or Recompletion Report and Log for	
Plug #1: 3778-3638' (14 Plug #2: 1649-1539' (G Plug #3: 985-885' (acr	for Yates Petroleum Corporat 40') (Abo) - 40 sacks Class ' lorieta) - 30 sacks Class "C' oss 9-5/8" shoe) - 30 sacks (sacks Class "C"	"C"		/s:
			•	•
.)				
I hereby certify that the foregoing is Ania and	orrect			
signed Math All	Lu Title Production	Clerk	Date Oct. 27, 1994	
(This space for Federal or State office use)			A A	
Approved by	Title	j PET	ER W. UNKEORD	
Conditions of approval, if any:		· · · · · · · · · · · · · · · · · · ·	STER	
		10		
= 18 U.S.C. Section 1001, makes it a crime for	any person knowingly and willfully to make to any dep	artment of alleger of the Usin	1997	ments
epresentations as to any matter within its jurisd	iction.	BUREAU		
	*See Instruction on Rever	se Side KOSWELL	RESOURCE AREA	
			SURCE AREA	

Telephone (505) 746-4405 FAX (505) 748-2205



L & M DRILLING, INC. — Oil Well Drilling Contractors

P.O. BOX 470 / ARTESIA, NEW MEXICO 88210

October 31, 1994

Yates Petroleum Corporation 105 South Fourth Street Artesia, NM 88210

> RE: Spring Federal #4 660' FNL & 1980' FEL Sec. 5, T6S, R26E Chaves County, New Mexico

Gentlemen:

The following is a Deviation Survey for the above captioned well.

DEPTH	DEVIATION
500'	l°
935'	1/2°
1468'	l 1/2°
2028'	1 3/4°
2558'	l 1/2°
3087'	1 1/2°
3586'	1 3/4°
4117'	2°
4300'	2°

Very truly yours,

Clas

Eddie C. LaRue Drilling Supt.

STATE OF NEW MEXICO COUNTY OF EDDY

The foregoing was acknowledged before me this 31st day of October, 1994.

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m 3160-5 ne 1990)	UNITE: DEPARTMENT OF	TATES THE INTERIOR	Artesia FLANDS	URCA CA	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993	ClS
	BUREAU OF LANI	MANAGEMEN'		17.3 E	Lease Designation and Serial No.	
			14 3	VINCIS	NM-32167	
	SUNDRY NOTICES AND				. 1 Indian, Allottee or Tribe Name	
Do not use this form Use	m for proposals to drill or e "APPLICATION FOR PE	to deepen or reel RMIT—" for such	proposals	1999 4 .)	
	SUBMIT IN	RIPLICATE	205	+8/	If Unit or CA, Agreement Designation	
Type of Well Oil Gas Well Well	Other		ELL, N	W W	Well Name and No.	
Name of Operator		1/ 1/10		-	Spring Federal #4	
	UM CORPORATION	V (505	5) 748-1471)		N N	
Address and Telephone No.		0.2.1.0		. 194	30-005-63022 Field and Pool, or Exploratory Area	
	St., Artesia, NM 8 Sec., T., R., M., or Survey Description					
			AF D MUME)	o h	Peros Slope Abo	
000, ENT & 198	80' FEL of Section 5	-105-KZOL (UI	ILL D, NWNE)	OTESIA	OPEROS Slope Abo	
				pr.	Chaves Co., NM	
CHECK A	PPROPRIATE BOX(s) TO	INDICATE NA	TURE OF NOTICE	REPORT,	OR OTHER DATA	
TYPE OF SI	UBMISSION		TYPE OF	ACTION		
Notice of I	Intent	Abando			Change of Plans	
		Recom	pletion		New Construction	
X Subsequent	Report	Pluggin	ng Back		Non-Routine Fracturing	
		Casing	Repair		Water Shut-Off	
🗔 Final Aban	adonment Notice	Alterin	g Casing		Conversion to Injection	
			Resume drilling			
			casing & cement	_	(Note: Report results of multiple completion on W Completion or Recompletion Report and Log for	
Describe Bronoved on Come	Nated Operations (Clearly state all partie	at datails, and give partin	ant datas including estimated d	ate of starting any	proposed work. If well is directionally dr	

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 markers and zones pertinent to this work.)*

Resumed drilling a 12-1/4" hole with rotary tools at 3:30 PM 10-14-94.

TD 935'. Reached TD at 6:30 AM 10-16-94. Ran 21 joints of 9-5/8" 36# J-55 (938.66') of casing set at 935'. 1-Texas Pattern notched guide shoe set at 935'. Insert float set at 891'. Cemented with 550 sacks Pacesetter Lite C, 10#/sack gilsonite, 1/4#/sack celloseal and 3% CaCl2 (yield 1.99, weight 12.5). Tailed in with 250 sacks "C" 2% CaCl2 (yield 1.32, weight 14.8). PD 12:30 PM 10-16-94. Bumped plug to 700 psi, OK. Circulated 180 sacks. WOC. Drilled out at 6:30 AM 10-17-94. WOC 18 hours. Cut off and weld on flow nipple. Reduced hole to 8-3/4". Resumed drilling.

	*See Instruction on Reve	erse Side	SOURCE ARFA	
Title 18 U.S.C. Section 1001, makes it a crime for any person or representations as to any matter within its jurisdiction.	a knowingly and willfully to make to any de	pariment or acchegrof the United Sta Riberto OF LAN	ites any false, fictitious or trai	udulent statements
Approved by Conditions of approval, if any:	Tinle	j FEIER	W. CHESTER	1
(This space for Federal of State office use)			Date Occo 273	
14. I hereby certify that the foregoing is true and correct SignedUSTAUUM	Tite Productio	u Clerk	Oct. 27,	1994

		NM 011 Cons. Com	前5.接水工程
	`-	Drawer DD	c[*
rm 3160-5 ne 1990)	UNITED DEPARTMENT O	STATES Artasia, WHINE?	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993
		ID MANAGEMENT	5. Lease Designation and Serial No.
		D REPORTS ON WELLS 8 15	И '94 ММ-32167
S	UNDRY NOTICES AN	D REPORTS ON WELLS O 13	6. If Indian, Allottee or Tribe Name
			AR OCT 27. SA
	SUBMIT IN	TRIPLIÇATE	7. If Unit or CA, Agreement Designation O. C. D.
Type of Well	· · · · · · · · · · · · · · · · · · ·		ARTESIA, OFFICE
Oil K Gas Well	Other	/	8. Well Name and No.
Name of Operator YATES PETROLEI	UN CORPORATION	(505) 748-1471)	Spring Federal #4 9. API Well No.
Address and Telephone No.			30-005-63022
	St., Artesia, NM		10. Field and Pool, or Exploratory Area
-	Sec., T., R., M., or Survey Descrip O' FEL of Section	^{tion)} 5-T6S-R26E (Unit B, NWNE)	Pecos Slope Abo 11. County or Parish, State
		• ·	Chaves Co., NM
CHECK AP	PROPRIATE BOX(s) T	O INDICATE NATURE OF NOT	ICE, REPORT, OR OTHER DATA
TYPE OF SU	BMISSION	ТҮРЕ	OFACTION
Notice of In	tent		Change of Plans
6			New Construction
XX Subsequent	Report	Plugging Back	Non-Routine Fracturing
	Notes		Water Shut-Off
	onment Nouce	Altering Casing	
L Final Aband		X outer Spud	
Describe Proposed or Comple	eted Operations (Clearly state all pert	X Other <u>Spud</u> inent details, and give pertinent dates, including estim pths for all markers and zones pertinent to this work	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) ated date of starting any proposed work. If well is directionally drilled,
Describe Proposed or Comple give subsurface location Spudded a 26" h	eted Operations (Clearly state all pert as and measured and true vertical de	inent details, and give pertinent dates, including estim pils for all markers and zones pertinent to this work	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) ated date of starting any proposed work. If well is directionally drilled, k.)* ine. Set 40' of 20" conductor pipe
Describe Proposed or Comple give subsurface location Spudded a 26" h	eted Operations (Clearly state all pert as and measured and true vertical de	inent details, and give pertinent dates, including estim plhs for all markers and zones pertinent to this work 0-12-94 with rat hole mach	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) ated date of starting any proposed work. If well is directionally drilled, k.)* ine. Set 40' of 20" conductor pipe
Describe Proposed or Comple give subsurface location Spudded a 26" h	eted Operations (Clearly state all pert as and measured and true vertical de	inent details, and give pertinent dates, including estim plhs for all markers and zones pertinent to this work 0-12-94 with rat hole mach	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) ated date of starting any proposed work. If well is directionally drilled, k.)* ine. Set 40' of 20" conductor pipe
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Describe Proposed or Comple give subsurface location Spudded a 26" h Cemented to sub	eted Operations (Clearly state all pert as and measured and true vertical de nole at 10:00 AM 10 rface. NOTE: Not:	inent details, and give pertinent dates, including estim plhs for all markers and zones pertinent to this work 0-12-94 with rat hole mach	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) ated date of starting any proposed work. If well is directionally drilled, k.)* ine. Set 40' of 20" conductor pipe
Describe Proposed or Comple give subsurface location Spudded a 26" h Cemented to sub	eted Operations (Clearly state all pert as and measured and true vertical de nole at 10:00 AM 10 rface. NOTE: Not:	inent details, and give pertinent dates, including estim plhs for all markers and zones pertinent to this work 0-12-94 with rat hole mach	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) ated date of starting any proposed work. If well is directionally drilled, k.)* ine. Set 40' of 20" conductor pipe ud.
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Describe Proposed or Comple give subsurface location Spudded a 26" h Cemented to sup Cemented to sup i hereby certify that the fore Signed Watty (This space for Federal for S	ered Operations (Clearly state all pert as and measured and true vertical de nole at 10:00 AM 10 rface. NOTE: Not: seguing is fair and confect	inent details, and give pertinent dates, including estim puts for all markers and zones pertinent to this work D-12-94 with rat hole mach ified BLM in Roswell of spi 	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) ated date of starting any proposed work. If well is directionally drilled, k.)* ine. Set 40' of 20" conductor pipe ud.
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Describe Proposed or Comple give subsurface location Spudded a 26" h Cemented to sub Cemented to sub i. I hereby certify that the fore Signed	ered Operations (Clearly state all pert as and measured and true vertical de nole at 10:00 AM 10 rface. NOTE: Not: State office use)	inent details, and give pertinent dates, including estim puts for all markers and zones pertinent to this work O-12-94 with rat hole mach ified BLM in Roswell of spu 	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) ated date of starting any proposed work. If well is directionally drilled, k.)* ine. Set 40' of 20" conductor pipe ud.

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F 91/9 9				arr n	LICATE	FORMAPPI			
Form 3160-3 (July 1992)	UNIT	FD STATES	Artesia, NN (O	10210Puc	tions of	ONE TO 10	04-0136		
	DEPARTMEN			ΪŠ	1		гу 28, 1995		
		LAND MANAG		F		CAN CANE	AND BERIAL NO.		
APPL	ICATION FOR P	ERMIT TO D	DRILL OR DE	EPEN	2	6. ININDIAN, ALIOTTEE	OR TRIBE NAME		
1a. TYPE OF WORK		DEEPEN [MEXI	COUNT ADDEMENT N	AMB		
	AS X OTHER		SINGLE	MULTIPI Zone	ж ГП ж	8. FARM OR LEASE NAME, WEL	L NO.		
2. NAME OF OPERATOR	ELL A OTHER					SPRING FEDE	RAL #4		
YATES PETROL	EUM CORPORATION	$\mathbf{\nu}$				9. API WELL NO.			
3. ADDRESS AND TELEPHONE NO.			RECE	VED		30-005-6	3022		
	URTH STREET, AR			748-147	/1	10. FIELD AND POOL, O	R WILDCAT		
At surface	seport location clearly and					PECOS SLOPE			
UNIT LETTER	B; 660'FNL AND	1980'FEL	aug o	11'94		11. SEC., T., B., M., OR E AND SURVEY OR AR	E. 82730		
At proposed prod. zor	e /	<i>=</i> '.	-	~ ~ l	T.B	SECTION 5-T	65-R26E		
SAME 14. DISTANCE IN MILES	AND DIBECTION FROM NEA	REST TOWN OR POS		<u>C. D. L</u> A, OFFICE	<u></u>	12. COUNTY OR PARISH			
46 MILES NO	RTHEAST OF ROSW	ELL, NEW M	EXICO ARTES	A, Office		CHAVES	NM		
15. DISTANCE FROM PROP LOCATION TO NEARES PROPERTY OR LEASE 1	USED* T		16. NO. OF ACRES IN	LEASE	17. NO. C TO T	NF ACRES ASSIGNED His Well	I		
(Also to nearest drig 15. DISTANCE FROM FROM	g. unit line, if any)		464.12		20 8084	160 BY OR CABLE TOOLS			
	RILLING, COMPLETED,		4250'			TARY			
21. ELEVATIONS (Show wh			1 ,250	·		22. APPROX. DATE WO	BK WILL START*		
3692' GR						ASAP			
23.	<u></u>	PROPOSED CASI	NG AND CEMENTING	PROGRAM	1	<u></u>			
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER F	OOT SETTING	DEPTH		QUANTITY OF CEMEN	T		
14.75"	9.625" J-55	36#	900		700 5	X			
* 8.75"	7.0" J-55	23#	1500		250 5				
7.875"	4.5" J-55	10.5#	TD		350 8	SX			
FORMATIONS. TO THE SURFA APPROXIMATEL CASING WILL NEEDED FOR P	CE. (* IF LOST Y 1500'. HOLE BE RUN AND CEME PRODUCTION.	900' OF SUR CIRCULATIO SIZE WILL B NTED WITH A	FACE CASING W N IS ENCOUNTR E REDUCED TO DEQUATE COVER	VILL BE ERED, 7' 6.125", R, PERFO	SET AN 'CASIN) IF DRATED	ID CEMENT CIRCU IG WILL BE SET COMMERCIAL, PR AND STIMULATED	LATED TO ODUCTION AS		
MUD PROGRAM:	TD WITH SW G	EL/STARCH.	-			CUT BRINE; 350	•		
BOPE PROGRAM	E BOPE WILL BE OPERATIONAL.		ON THE 9.625	CASIN	G AND T	TESTED DAILY FO	R ///////		
CAC NOT DEDT	CATED					104	T# 1 .		

GAS NOT DEDICATED.

8-12-94 Mar Loc + API

6/24/94

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

TITLE

24. SIGNED

(This space for Federal or State office use) PLEASE BE ADVISED THAT THERE WILL BE NO EXCAVATION

APPROVAL OF THIS APPLICATION DEES NOT WARRANT OR GENERAL THE APPLICANT HOLDS LEGAL OR EQUITABLE TION OF THEPRACEESS DROAD OR DAD DWITHOUT DE DAYMENTED ENTRE TO CONSTRUCT ON THE SUBJECT LEASE WHICH WOULD DE DAYMENTED ENTRE THE APPLICANT TO CONSULT OF THEREONERON. IN ADVANCES OF APPROVAL IF ANY:

DATE _

APPROVED BY Earle * PENDENG NSP APPROVAL

Acting Area Manager DATE 7-29-94 *See Instructions Or Reverse Side

PERMIT AGENT

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

n	-•							1 8-2			
	District I PO Box 1980, Ho District II	bbe, NM 88	241-1980		Energy, 1	State of Nev Minerals & Natural	Mexico Resources Department	NOSW .	O MARKEN	215. I. T.	Form C-102 bruary 10, 1994 fuctions on back
	PO Drawer DD, District III 1000 Rio Brazos					DNSERVAT PO Box nta Fe, NM	ION DIVISIO 2088 87504-2088			Super	e District Office Lease - 4 Copies Lease - 3 Copies
	District IV PO Box 2088, Sa				نەد	ita PE, INNI	87304-2088	AN AN EXI	-00 -	~ 7/	NDED REPORT
			WE	LL LO	CATION	I AND ACR	EAGE DEDI	CATION PL	AT		
	1	API Numbe			Pool Code		\hat{D}_{-}	Pool No	line		
	30-0		022		Abo 8			LOPE AD	00		
	' Property	Code	. SPI	RING	FEDER	' Property AL	Name	<u></u>		4	Well Number
	'OGRID	No.	YA	TES PE	IROLEUM	' Operator CORPORATIO	Name)N			3692	* Elevation
						¹⁰ Surface	Location				
	UL or lot bo. B	Section 5	Township 6 S	Range 26E	Lot Idn	Feet from the 660	North/South äne North	Feet from the 1980	East East		Coesty Chaves
		,,	· · · · · · · · · · · · · · · · · · ·	¹¹ Bot	tom Hol	e Location I	f Different Fro	om Surface			
	UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/We	st line	County
	12 Dedicated Ac	res ¹³ Joint	or Infill ¹⁴ C	 Consolidatio	n Code ¹⁴ C	l Drder No.	1	<u>1</u>	1,	· <u>·</u>	<u> </u>
	NO ALLO	WABLE					ON UNTIL ALL			EN CON	NSOLIDATED
	16			NI	/	0.00 ·	1980'	¹⁷ OPEI I hereby cert	RATOR ify that the is splese to the	nformation	TIFICATION contained horein is browledge and belief
					SHO ALL	RE-SECTION OF SDEDIC	ATED	Printed Nam PEA Title	MIT 1 24-94	1	v Z
		-			70 u	1626		I hereby cert was plotted j	ify that the v rom field no my supervise to the best of /94	vell locatio tes of actua ion, and th	IFICATION in shown on this plat is surveys made by at the same is true
								Certificate N	L. IC	ON:5	