Form 31603 (November 1983) (formerly 9331C)	DEPARTMENT OF THE INTERIO			SUBMIT IN TE JATE (Other instructions on reverse side)		Budget Bureau No. 1004-0136 Expires August 31, 1985 5. LEASE DESIGNATION AND SERIAL NO.		
					ACK	NM-12413 6. IF INDIAN, ALLOTTEI		
APPLICATIO	n for permit	TO DRILL, L	JEEPEN, C	JR PLUG B	ACK		CA TRIPS NAME	
		DEEPEN [		PLUG BAG	жП	7. UNIT AGREEMENT N	AX3	
			SINGLE T	J NULTIP		S. PARM OR LEASE NAL		
2. NAME OF OPERATOR	VELL OTEER	······································	SONE 4	A SONE		W. Tonto Fede		
Grace Petrole	m Corporation	At	tention:	Tim Jorda	n	9. WELL NO.	Tar comm.	
8. ADDERSS OF OPERATOR	······					2-24		
6501 N. Broady	way, Oklahoma C	ity, OK 731	16			10. FIELD AND POOL, O	B WILDCAT	
4. LOCATION OF WELL (E At surface	eport location clearly an	nd in accordance wit	h any State req	virements.*)	····	South-Salt_L		
2310' FSL & 16	SSOI PWT					11. BBC., T., B., M., OR 1	LI.	
At proposed prod. soi						AND SUBVET OR AREA		
	same					Sec. 24, T19S	-R32E	
14. DISTANCE IN MILES	AND DIBECTION FROM NE					12. COUNTY OR PARISE	18. STATE	
	fway & 38 mile	s NW Hobbs,	New Mexic	0		Lea County	NM	
15. DISTANCE FROM PROPOSED <sup>®</sup> LOCATION TO NEAREST PROPERTY OR LEASE LINE, PT. 1650 ' (Also to Bearest drig. unit line, if any)			16. NO. OF AC			D. OF ACRES ABBIGNED THIS WELL 40		
18. DISTANCE FROM FROM TO NEAREST WELL, D	ORED LOCATION®		19. PROPOSED DEPTH 20. B		20. BOTA	TART OR CABLE TOOLS		
OR APPLIED FOR, ON TH	18 LEASE, FT. 1	100' SW	7850'		Ro	tary		
GR 3603.0"	ether DF, BT, GB, etc.)				<u> </u>	July 1, 199		
23.		PROPOSED CASIN	G AND CEME	NTING PROGRA	X			
SILL OF ROLL	BILL OF CARING	WEIGHT PER PO	0T 85	TING DEPTH	QUANTITT OF CEMENT			
17-1/2	13-3/8	48 lb/f	+	500'				
12-1/4	8-5/8	28£32 1b/f		5000'	<u>525 sxs - circ. to surface</u>			
7-7/8	5-1/2	17&20 lb/f		7850'	<u>3565 sxs - 2 stages circ. to</u> 650 sxs - cmt to 4500'			
<u>13-3/8" casing</u> :	Circulate to calcium chlo	surface usin ride.	ng 525 sx:	s Premium H	Plus ce	ment containin	g 2%	
<u>8-5/8" casing</u> :	First stage ( tailing w/20)	660 sxs light 0 sxs Premiur sxs light co	t contain: n Plus com ontaining	ing 16 lbs ntaining 24 16 lbs sal	salt & calci t & l/	(DV tool) @ ± : 1/4 lb flocel um chloride. 4 lb flocele, ide.	e, Second	
5-1/2" casing:	Cement 650 s:	xs 50/50 Prem	nium Pox 1	aix contair	ing .5	% Halad-9, 3 11	b KCL.	
N ABOVE SPACE DESCRIBE one. If proposal is to o reventer program, if any 4.	Irill or deepen direction	ally, give pertinent	data on subsur	give data on pro- face locations and	measured	and true vertical depth	bew productive B. Give blowout	

BRHED My T. VJordan	THE Operations Superintendent	DATE 6/5/91
(This space for Federal or State office use)		
PERNIT NO.	- APPBOVAL DATE	
APPROVED BY	AREA MANAGER TITLE CARLSBAD REBOURCE AREA	7-8-91
CONDITIONS OF APPROVAL, IF ANY : APPROVAL SUBJECT TO		DATS
GENERAL REQUIREMENTS AND		
SPECIAL STIPULATIONS	e Instructions On Revene Side	

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 its jurisdiction.

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Submit to Appropriate District Office State Lense - 4 copies Fee Lense - 3 copies

126630

DISTRICT I P.O. Box 1980, Hobbs, NM \$8240

DISTRICT II P.O. Drawer DD, Artesia, NM \$8210

DISTRICT III 1000 Rio Branos Rd., Aztoc, NM \$7410 State of New Mexico Energy, Minerals and Natural Resources Department

## OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

All Distances must be from the outer boundaries of the section

erator .			<u></u>	Lasse				Weil No.	
	E PETROLE	UM CORP.		WEST	TONTO 34	FEDERAL C	COM	2	
ait Latter	Section	Township		Range			County		
K	24	1	9 SOUTH	3	2 EAST	NMPM		LEA	
tual Footage Loc	cation of Well:	<u>_</u>							
2310	feet from the	SOUTH	line	<b>and</b> 1	650	feet from	the WES		
ound level Elev.	Pic	ducing Formation		Pool				Dedicated Acre	age:
3603.0		aware				' Delawa	ire	40	Acres
1. Outlin	as the acreage dec	ficated to the subject	well by colore	d pencil or hackure	merics on the pis	at below.			
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		of different ownersh	ip is dedicated	to the well, have th	e interest of all o	where been consol	idated by cor	nmunitization,	
unitiz	ation, force-poolis Yes		lf energier is "us	s" type of consolid	tion				
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this form	n if neccessary.								
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Application For Permit To Drill Grace Petroleum Corporation W. Tonto Federal Comm. #2-24 2310' FSL & 1650' FWL Section 24, T19S-R32E Lea County, New Mexico

In conjunction with Form 3160-3, Application For Permit To Drill, Grace Petroleum Corporation submits the following items of pertinent information.

1. <u>Geological Surface Formation</u>:

Quaternary alluvium and bolson deposits

2. <u>Estimated Formation Tops</u>: GR

<u>Formation</u>	Estimated Depth	Remarks			
Yates	3300'	Poss.	show	oil	
7 Rivers	3400'	н	11	11	
Queen	4500'	11	11	11	
Delaware	5700'	11	11	11	

- 3. Prosposed Casing Program: See Form 3160-3 & Attachment I
- 4. <u>Pressure Control Equipment</u>: See Attached II
- 5. Mud Program: See Attachment III
- 6. <u>Auxillary Equipment</u>: As needed
- 7. <u>Testing, Logging and Coring Program</u>: Testing - Possible DST in Delaware 5980-6040' & 6300-6360'

Logging - 3000' to TD

Electric Logs

DSN-SDL w/CSNG Int. csg to TD (DSN surf to TD) FW Sonic Int. csg to TD (DT surf to TD) DLL w/GR & Cal. Int. csg to TD Dipmeter Int. csg to TD CBL TD to TOC

<u>Coring</u> - 60' full diameter Delaware 30 sidewall cores Delaware

8. <u>Known Drilling Hazards</u>: None

and the second 
9. Anticipated Starting Date: July 1, 1991