Form 3160-3 (November 41985) (formerly 9-1331C) P. O. 1	SOX 1 DEPARTM	NITED STATES	NTER		ctions on	<ul> <li>Form approved. Budget Bureau Expires August</li> <li>LEASE DESIGNATION</li> </ul>	No. 1004-0136 31, 1985	
						NM 17238	OR TRIBE NAME	
	ION FOR PERM	IT TO DRILL, L	JEEPE	N, OR PLUG E		Nov 19 10 43	AM '90	
	DRILL 🗵	DEEPEN [	CK 🗆	TO MIT AGREEMENT NAME				
D. TIPE OF WELL	GAB []	_				AREA 8. PARM OR LEASE NA	MB 115	
THELL X	WELL OTHE		80	NE L. SONE	<u>_</u>	Smith Ranch	Federal	
Grace Petro	oleum Corporatio	on Attention	ı: B	ill Baswell		9. WELL NO.		
3. ADDEBSS OF OPBLA		· · · · · · · · · · · · · · · · · · ·				2		
	badway, Oklahoma L (Beport location clearly			tate requirements.*)		10. FIELD AND POOL, C Teas Penn-B	onespring	
660' FNL & At proposed prod						11. SBC., T., R., M., OB AND SUBVEY OR A Sec. 11, T20	ARA (SJA	
14. DISTANCE IN MI	LES AND DIBECTION FROM	NEAREST TOWN OR POST	OFFICE	•		12. COUNTY OR PARISE	18. STATE	
30 miles SV	V of Hobbs, New	Mexico				Lea	NM	
15. DISTANCE FROM P LOCATION TO NEA			16. NO.	. OF ACRES IN LEASE		OF ACRES ABSIGNED This Well		
PROPERTY OR LEA (Also to Bearest	SE LINE, FT. ( drig. unit line, if any)	660'	50' <b>959.96'</b>			40		
	LL, DRILLING, COMPLETED,		19. PROPOSED		20. ROTA	BY OR CABLE TOOLS		
GR APPLIED FOR, OI	N THIS LEASE, FT. 18 whether DF, RT, GR, etc	366.76'	98	50	Rotar	V 22. APPBOX. DATE WO		
	v whether Dr. Kl. GK. ev		an Co	ontrolled Water	Basin			
<u>GR 3582.5'</u> 23.	······································	··· · · · · · · · · · · · · · · · · ·		CEMENTING PROGR.		<u>  December 1</u> retary's Potash		
SIZE OF BOLL	SIZE OF CASING	WEIGHT PER PO	TO	SETTING DEPTH		QUANTITY OF CEME	T	
17-1/2"	13-3/8"	48 lb/ft		480'		ks circ. to surface		
12-1/4"	8-5/8"		28 & 32 lb/ft			sxs 2 stages circ. to surfac		
7-7/8"	5-1/2"	17 & 20 lb	ft /	9850'	1500 s	xs cmt to 4500	•	
13-3/8" casir	ng: Circulate ( calcium ch		ng 50	0 sxs premium y	plus ce	ment containin	ıg 2%	
<u>8-5/8" casing</u>	First stage tailing w/2 stage w/250	Cement in two stages with multiple stage cementer (DV tool) @ ± 3800'. First stage 660 sxs light containing 16 jbs salt & 1/4 lb flocele, tailing w/200 sxs premium plus containing 2% calcium chloride. Second stage w/2505 sxs light containing 16 lb salt & 1/4 lb flocele, tailing w/200 sxs premium plus containing 2% calcium chloride.						
5-1/2" casing		Cement w/1200 sxs 50/50 premium poz mix containing .6% Halad 22A - 5 lbs KCL tailing w/300 sxs premium plus with 2% calcium chloride.						
sone. If proposal is preventer program, i 24. BIGNED	CRIBE PROPOSED PROGRAM to drill or deepen direct if any. 	tionally, give pertinent	data 0	lug back, give data on p n subsurface locations as operations Engi	nd measure	and true vertical dept	hs. Give blowout	
PRENIT NO	a Ngand <del>by</del> Manad	» (***)*** : <b>717</b>		APTREXAMENTE CARLSEAU RESUMME A	1164	DATE	5-71	
CONDITIONS OF AP	BJECT TO""							

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## \*See Instructions On Reverse Side

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 United States any false. fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

SPECIAL STIPULATIONS

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

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

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

DISTRICT III 1000 Rio Brasos Rd., Aziec, NM 87410

## State of New Mexico Energy, Minerals and Natural Resources Department

## **OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT All Distances must be from the outer boundaries of the section

internation of				Lease			Well No.	
GRACE PETROLEUM CORP.			Smith H		2			
hit Letter C	Section 11	Township 20	South	Range 33 East	NMPM	County Le	ea	
ctual Footage Loca	ntion of Well:							
660	feet from the	North	line and	1980	feet from t		line	
round level Elev.	Produci	ng Formation		Pool			Dedicated Acreage	
3582.5	Bone	Springs		Teas				Acres
2. If more	s than one lease is de	dicated to the well,	outline each and	cil or hachure marks on th identify the ownership the	reof (both as to workin			
unitiza If answer this form	tion, force-pooling, e Yes [ is "no" list the owne if neccessary.	ic.? ] No If an ns and tract descrip	iswer is "yes" ty tions which have	e well, have the interest of a pe of consolidation actually beea consolidated eea consolidated (by comm	. (Use reverse side of			
or until a	non-standard unit, el	iminating such inte	rest, has been ap	proved by the Division.				
	3577. 3578.	23580.4 43585.9				I hereby mained herein an of my browk int of my browk inter of the second filliam F inted Name operation Strace Pet ompany lovember ate	······	informat place to Mi
			ALL R	PROFESSION NU SUNKEY NO. 070 NO. 070 NO. 070 NO. 070 NO. 070 NO. 070 NO. 070 NO. 070 NO. 070 NO. 070 NO.		hereby certify n this plat we chual surveys upervison, and orrect to the elief. Date Surveyed Signature & Sec Professional Sa		, 1990
			_1 			R	ONALD J EIDSON	1, 32
	990 1320 1650	1980 2310 2	540 <sup>−</sup> 20	00 1500 1000	500 0			

Application For Permit To Drill Grace Petroleum Corporation Smith Ranch Federal #2-11 660' FNL & 1980' FWL Section 11,T20S-R33E 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. Geologic Surface Formation: Quaternary alluvium and bolson deposits.
- 2. Estimated Formation Tops: GR 3582.5'

Formation	Estimated Depth	Remarks		
Yates	3300'	Poss. show oil		
7 Rivers	3400 '	Poss. show oil		
Queen	4500'	Poss. show oil		
Delaware	5700'	Poss. show oil		
Bone Springs	8000'	Poss. show oil		

- 3. <u>Proposed Casing Program</u>: See Form 3160-3 and Attachment I.
- 4. Pressure Control Equipment: See Attachment II.
- 5. Mud Program: See Attachment III.
- 6. Auxilliary Equipment: As needed.
- 7. <u>Testing, Logging and Coring Program</u>:

<u>Testing</u> - Possible DST in Bone Springs <u>Logging</u> - Mud log 3000' to TD <u>Electric Logs</u> - Compensated Neutron Formation Density Dual Laterlog (surf. to TD), Borehole Compensated Sonic & Phasor Induction Log (int. csg to TD). Gamma Ray w/Caliper. Coring - Bone Springs 2 - 30 feet cores

- 8. Known Drilling Hazards: None
- 9. Anticipated Starting Date: December 15, 1990



ATTACHMENT II

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