Form 3160-3 (November 1983) (formerly 9-331C)	DEPARTMEN BUREAU O	F LAND MANAG	(Ot NTERIOR EMENT	AIT IN TRIP. ber instructions reverse side)	on Budget Bureau No. 1004-0136 Expires August 31, 1985 5. LEASE DESIGNATION AND BEBIAL NO. LC-029410(B)	
	ON FOR PERMIT	TO DRILL, D	DEEPEN, OR P	LUG BAC	K	
1a. TYPE OF WORK	ORILL	DEEPEN [	] PL	UG BACK [	7. UNIT AGREEMENT NAME	
b. TYPE OF WELL OIL WELL X 2. NAME OF OPERATOR			SINGLE	MULTIPLE ZONE	S. FARM OR LEASE NAME     BROWN FEDERAL     9. WELL NO.	
ARROWHEA	OIL CORPORAT	ION	<u></u>		9. WELL NO.	
	548, ARTESIA,	NEW MEXIC	0 88210		10. FIELD AND POOL, OR WILDCAT	
<ol> <li>LOCATION OF WELL At surface</li> <li>At proposed prod.</li> </ol>	(Report location clearly an 330' FNL / zone SAME		h any State requireme	nts.*)	Maljamar Grayburg SA 11. SEC., T., B., M., OB BLK. AND SURVEY OB AREA 3(-/75-32E	
	ES AND DIRECTION FROM NE. niles east of				12. COUNTY OR PARISH   13. STATE LEA NM	
15. DISTANCE FROM P LOCATION TO NEAL PROPERTY OR LEAL (Also to Dearest 18. DISTANCE FROM F	NOPOSED* IEST SE LINE, FT. drig, unit line, if any) ROFOSED LOCATION*	330'	16. NO. OF ACRES IN 120 19. PROPOSED DEPTH		NO. OF ACRES ASSIGNED TO THIS WELL 40 ROTARY OR CABLE TOOLS	
TO NEAREST WELL, DRILLING, COMPLETED, or Applied For, on this lease, ft.		990'	5500'		Rotary	
21. ELEVATIONS (Show 385	whether DF, RT, GR, etc.) 7.3' GR				12/20/87	
23.		PROPOSED CASIN	IG AND CEMENTING	PROGRAM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	OT SETTING D	EPTH	QUANTITY OF CEMENT	
12½''	8 5/8''	24#	<b>8</b> 00'		<u>sufficient to circulate</u>	
7 7/8''	5½"	<u> </u>	5500'		<del>00 sx_to_base_of_salt_</del> circulate	

Pay zone will be selectively perforated and stimulated as needed for optimum production.

Attached are: 1. Location & acreage dedication plat.

- 2. Supplemental drilling data.
- 3. Surface use plan.

IN ABOVE SPACE DESCRIBE PROFOSED PROGRAM : If proposal is to deepen or plug back, 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.

24.	SIGNED Mack	C. Elismi	ТІТІ.Е	President	DATE <u>12/29/8</u> 7
	(This space for Federal or PERMIT NO.	State office use)		APPROVAL DATE	
	APPROVED BY	C.Manna	TITLE	Area Manager	DATE 12/29/87

## \*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.