			NH OPE C	ONS. COMM	ISSION	30-00	5-62038
Form 9-331 C (May 1963)			Drawer D Artesia	D SUBMIT IN NHther8821	PLICATE*	Form appro Budget Bure	ved. au No. 42-R1425.
		ED STATES	>	reverse s	2 1983		., I
	DEPARTMENT	OF THE I	NIERIOR			5. LEASE DESIGNATIO	N AND SERIAL NO.
	GEOLO	GICAL SURV	EY	0 0	n	NM 36647	
APPLICATION	N FOR PERMIT T	O DRILL, I	DEEPEN, C	RABLIG	ACK	6. IF INDIAN, ALLOTT	EE OB TRIBE NAME
1a. TYPE OF WORK						······	
DRI		DEEPEN		PLUG BA	СК 🗌 🛛	7. UNIT AGREEMENT	NAME
b. TYPE OF WELL			_	- 1 4 41			2
WELL GA	ELL OTHER		SINGLE ZONE	OF NUAN	er M	8. FARM OR LEASE N	AME
2. NAME OF OPERATOR						Macho Fede	eral
Mesa Petrole	um Co.V			<u> </u>	10 0	9. WELL NO.	
3. ADDRESS OF OPERATOR						n 6	
	09 / Amarillo,			JUL27		10. FIELD AND POOL,	
At surface	eport location clearly and			irements.*)	283	West Pecos	Slope Abo
1946'	FNL & 2255' FE	L SW1/4	NE1/4	<b>D</b>	11 5	1. SEC., T., B., M., OI AND SURVEY OR	BLK.
At proposed prod. zon	e		\~?;	DIST. 6 N.	M		
	Same			VEI.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Sec 6, T75	<b>,</b> R23E
14. DISTANCE IN MILES A	AND DIRECTION FROM NEAR	EST TOWN OR POS	T OFFICE*	, NEW	ME	12. COUNTY OR PARIS	H 13. STATE
28 miles nor	th of Roswell					Chaves	New Mexico
15. DISTANCE FROM PROPO LOCATION TO NEAREST		, ,	16. NO. OF ACE	ES IN LEASE		F ACRES ASSIGNED	
PROPERTY OR LEASE L (Also to nearest drlg	INE. FT. 194	6 / 385	220	9.13	10 18	160	· •
18. DISTANCE FROM PROP	OSED LOCATION*		19. PROPOSED I	EPTH	20. ROTAR	Y OR CABLE TOOLS	
TO NEAREST WELL, DE OR APPLIED FOR, ON THE		045	340	0'		Rotary	-1
21. ELEVATIONS (Show whe		· ··· ···	<u>.</u>		·	22. APPROX. DATE V	VOBK WILL START*
4042' GR						September	1, 1983
23.	Р	ROPOSED CASH	NG AND CEME	NTING PROGR	AM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	OOT SET	TING DEPTH	<u> </u>	QUANTITY OF CEM	ENT
12 1/4"	8 5/8"	24#	1	200'	Surfa	ace <b>CIRCUL</b>	ATE
7 7/8"	4 1/2"	10.5#	3	400'	Isola	ate wtr, o &	g
1	I I		1		1	•	1

Propose to drill 12 1/4" hole to approximately 1200' to set 8 5/8" surface casing and cement to surface. Will nipple up ram type BOP's and reduce hole to 7 7/8" to drill to total depth. Drilling medium will be air, foam, or mud as required. After log evaluation, 4 1/2" casing may be run and cemented with sufficient kinds and amounts to isolate and seal off any fresh water, oil, or gas zones encountered.

Operator's gas sales are dedicated.

XC: BLM-R (0+6), MAT CON, CEN RCDS, ACTG, OPS(FILE), ROSWELL, MIDLAND, PARTNERS

IN ABOVE SPACE DESCRIBE PROPOSED 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.

signed R.E. Mathie	TITLE Regulatory Coordinator	DATE 7-22-83
(This space for Federal or State office use)		
PERMIT NO	APPROVAL DATE	
APPROVED BY 7/29/83 CONDITIONS OF APPROVAL, IF ANY :	TITLE	DATE Ulpi

\*See Instructions On Reverse Side

STATE OF NEW MEXICO

## DIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-102 Revised 10-1-78

ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

	•	All distances must be	Leose				We	II No.
()peretor Mesa Pe	troleum Co		20000	Macho Fed	eral			#6
Unit Letter Sect		7 South	Hung	23 Eást	County	Chaves		
Actual Fastage Location	ol Well:	NOrth .		2255		East	line	
1946	Froducing Ferma	line mo	Poul II:	J.	1 from the		Dedicated	160
Ground Level Elev. 4042	140		West	Pecos Slop	e Abo		NE1/4	ACIES
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a 16 and than or	e lense of diff unitization, uni	lization, toree-pool			have the i	nterests of	all owne	rs been consoli-
Yes 🗌		ver is "yes;" type					. /11	·
this form if nec	cssary.]	ners and tract des to the well until a until a non-standa	11 :	a have been	consolidat	ed (by com	munitizat	ion, unitization,
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				et al 		None R. E. Position Regul	Mathis Petrole	the information con- ond complete to the ond belief.
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## APPLICATION FOR DRILLING

MESA PETROLEUM CO. MACHO FEDERAL #6 1946' FNL & 2255' FEL, SEC 6, T7S, R23E CHAVES COUNTY, NEW MEXICO

LEASE NO: NM 36647

In conjunction with Form 9331-C, Application for Permit to Drill subject well, the following additional information is provided:

- 1. Applicable portions of the <u>GENERAL REQUIREMENTS</u> FOR <u>OIL AND</u> <u>GAS</u> <u>OPERATIONS</u> <u>ON</u> <u>FEDERAL LEASES</u>, Roswell District, <u>Geological</u> Survey of <u>September 1</u>, 1980 will be adhered to.
- 2. Geological markers are estimated as follows:

SAN ANDRES	SURFACE
GLORIETA	636'
YESO	814'
TUBB	2162'
ABO	2797'

- 3. Hydrocarbon bearing strata may occur in the Abo formation(s). No fresh water is expected to be encountered below 1000'.
- 4. The Casing and Blowout Preventer Program will be determined by hole conditions as encountered (See Exhibit VI). Anticipate drilling with air or foam using ram type preventer and rotating head for well control. The 8 5/8" casing will be set at approximately 1200' to protect any fresh water zones and cemented to the surface. The 4 1/4" production casing will be set at total depth or shallower depending upon the depth of the deepest commercial hydrocarbon bearing strata encountered. Sufficient amounts and kinds of cement would be used to ensure any water, gas, or oil zones encountered are isolated and shut off down to the casing point, if run.
- 5. No drill stem tests or coring program is planned. The logging program may consist of a GR-CNL from surface to total depth and FDC from casing point to total depth.
- 6. Anticipated drilling time is ten days with completion operations to follow as soon as a completion unit is available.





MESA PETROLEUM CO. ONSHORE DIVISION				
EXHIBIT V				
FOR PROPOSED MACHO FEDERAL #6				
BY: DRAWN BY:				
DATE:				

