	NN OIL CONS. CUMMISSION Drawe D Artesia, NM 88210 SUBMIT IN TRIPLICATE.					5, F/ Juli Form approved.		
Form 9-331 C (May 1963)	UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY			(Other instructions on reverse side)		Budget Bureau No. 42-R1425. 3C - CO5 = 6/678 5. LEASE DESIGNATION AND BEBIAL NO. NM-36653		
						6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK								
1a. TYPE OF WORK	L 🖄	DEEPEN		P <b>BEG BYA</b>		7. UNIT AGBLEMENT NAME		
b. TYPE OF WELL OIL GAS			SINGLE	NOLTI		S. FARM OR LEASE NAME		
WELL WE	LLOTHER		ZONE	<b>JUN 251</b>	<del>382</del>	CAROL FEDERAL		
MESA PETROL	EUM CO.					9. WELL NO.		
3. ADDRESS OF OPERATOR	<u></u>			<del>0. C. D</del>		4		
1000 VAUGHN	BUILDING/MIDLA	ND, TEXAS	79 1-	44 ARTESIA, OFF	ICE	10. FIELD AND POOL, OR WILDCAT		
4. LOCATION OF WELL (Rej	port location clearly and i	n accordance wi	th any State	requirements.* )	¥-	UNDESIGNATED ABO		
	' FNL & 700' FE				(1), 2	11. SEC., T., B., M., OE BLK. AND SURVEY OB AREA		
At proposed prod. zone	SAME					SEC 24, T7S, R22E		
14. DISTANCE IN MILES AT	ND DIRECTION FROM NEARI	ST TOWN OR POS	T OFFICE*			12. COUNTY OR PARISH   13. STATE		
27 miles No	rthwest of Rosw	ell, New 1	Mexico		·.	CHAVES NEW MEXICO		
LOCATION TO NEAREST				ACRES IN LEASE		DF ACRES ASSIGNED HIS WELL		
PROPERTY OR LEASE LI (Also to nearest drlg.	unit line, if any) 140	0'/760'	_ [	2441.2		<u> </u>		
18. DISTANCE FROM PROPO TO NEAREST WELL, DR	ILLING, COMPLETED,		19. PEOPOSI	SD DEPTH	ZU. ROTA	EY OB CABLE TOOLS		
OR APPLIED FOR, ON THIS	200	0'	ļ	3400'		ROTARY 22. APPEOX. DATE WORK WILL START*		
21. ELEVATIONS (Show whet	her DF, RT, GR, etc.)				÷ -			
4096' GR						JUNE 30, 1982		
23.	PJ	OPOSED CASI	NG AND CE	MENTING PROGE	AM	$\mathcal{Y}_{\mathbf{v}}$		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER I	POOT	SETTING DEPTH	1	QUANTITY OF CEMENT		
12 1/4"	8 5/8"	24#		1400'	700/	00/300 SURFACE		
7 7/8"	4 1/2"	10.5#		3400'	300.	COVER ALL PAY		
Propose to drill						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.

DECENVEN
JUNE 3 1982
OIL & GAS U.S. GEOLOGICAL SURVEY REM ROSWELL, NEW MEXICO

XC: MMS (7), TLS, CEN RCDS, ACCTG, MEC, LAND, ROSWELL, REM, FILE, (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 blowont preventer program, if any.

SIGNED Restant	REGULATORY C	OORDINATOR	6-7-82
(This space for Aderia B Qave one use) (Qrig. Sgd.) GEORGE H. STEWAR'I	APPROVAL DATE		
JUN 23 1982		DATE	
APPROVEL BY	PPROVAC REQU	WK ~ D	

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

.

## OIL CONSERVATION DIVISION

P. O. DOX 2088

SANTA FE, NEW MEXICO 8756

Form C-102 Revised 10-1-78

	•	All distances must be f	rom the outer be	ounderles of a	the Section		
Operator			Leose				Well No.
Mesa Petroleum			Carol Federal				4
	ection	Township	Bunge		County		
Н.	24	7 S.		22 E.		Chaves	
Actual Fastage Location	on of Well;					East	
0000		North Ine and	700	· Iret	from the		line
Ground Level Elev.	Producting Ferr	action	Pool				cated Acreage:
4096	ABO		UNDESIGNA			I NE/	
		ed to the subject we dedicated to the wel	2 · · · · · · · · · · · · · · · · · · ·				
interest and	roynlty).	fferent ownership is					
3. If more than dated by com	munitization, u	nitization, force-pooli	ng. elc?				
Yes [	]No II an	swer is "yes?' type o		UII			
this form if n	ccessary.)	wners and tract desc d to the well until all or until a non-standar	interests ha	ve been co	onsolidat	ed (by communit	
			1			CER	TIFICATION
	- <del>-</del>	MESA NM 36	ET AL 1 5653 1 	1 4200'		toined herein is	
			· i	¥		MESA PETROLE	UM CO.
	   		U SIA	7	00'	Date JUNE 7, 1982	
	<u>.</u>						
	Sec	. 24, T.7 S., R.2	2 E.   1	1.M.P.M.		shown on this pl notes of octual under my superv is true ond cor knowledge ond b	
	- + 1		- +			Dute Suversed	MELSO
			- 1 1 1 1			John L. Age	
L						Conflicore No.	are salution
00 000 000	1320 1010 1010	2310 2640 2000	1300	000 000	•	V U	6290

## APPLICATION FOR PERMIT TO DRILL

MESA PETROLEUM CO. CAROL FEDERAL #4 2200' FNL & 700' FEL, SEC 24, T7S, R22E CHAVES COUNTY, NEW MEXICO

LEASE NO. NM-36653

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 FOR OIL AND GAS</u> <u>OPERATIONS ON FEDERAL LEASES</u>, Roswell District, Geological Survey of September 1, 1980 will be adhered to.

2.	Geological markers are	estimated as follows:
	SEVEN RIVERS	Surface
	SAN ANDRES	Surface
	GLORIETA	576
	TUBB	2126
	ABO	2867

3. Hydrocarbon bearing strata may occur in the Abo formation(s). No fresh water is expected to be encountered below 1400'.

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 1400' to protect any fresh water zones and cemented to the surface. The 4 1/2" 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 test or coring program is planned. The logging program may consist of a GR-CNL from surface 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.

Ē

