for 9-331 C (N, y 1963)	Ui(I DEPARTMENT	ED STATES OF THE IN	(Otl	hir in TRIP her instruct reverse Bid. NS. COMM	on	Form approved Budget Burgan N5. LEASE DESIGNATION	u. No. 42-B1425.	
	GEOLOG	GICAL SURVEY		NM 8821	•	NM-31098		
APPLICATION	I FOR PERMIT T	O DRILL, DE				6. IF INDIAN, ALLOTTER	OR TRIBE NAME	
1a. TYPE OF WORK			· · · · · · · · · · · · · · · · · · ·					
DRI	LL 😨	DEEPEN 🗌	PL	UG BACK		7. UNIT AGBEEMENT NA		
b. TYPE OF WELL OIL C GA	8 TV		SINGLE T	MULTIPLE		C MADIC OR TRANS MAR		
WELL W	ELL X OTHER		SINGLE ZONE	ZONE		S. FARM OB LEASE NAME		
2. NAME OF OPERATOR MESA PETRO	TEIM CO				,	LEILA FEI	JERAL	
3. ADDRESS OF OPERATOR					;	3		
	N BUILDING/MIDL	AND. TEXAS	79701-4493			10. FIELD AND POOL, O	B WILDCAT	
	eport location clearly and			nts.*)		UNDESIGNATED ABO		
4.4	80' FNL & 1980'					11. SEC., T., R., M., OE BLK. AND SURVEY OR AREA		
At proposed prod. zon-	e SAME			:d. 6	<u>ب</u>	SEC 24, 1		
14. DISTANCE IN MILES A	ND DIRECTION FROM NEAR	EST TOWN OR POST O	FFICE*			12. COUNTY OR PARISH	13. STATE	
32 miles N	lortheast of Ros	well, New Me	exico			CHAVES	NEW MEXICO	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig, unit line, if any) (Also to nearest drig, unit line, if any)						F ACRES ASSIGNED HIS WELL 160		
18. DISTANCE FROM PROP TO NEAREST WELL, DI OR APPLIED FOR, ON THI	20'	19. PROPOSED DEPTH 20. ROTA			ROTARY OR CABLE TOOLS			
21. ELEVATIONS (Show whe 3829' GR	ther DF, RT, GR, etc.)					22. APPBOX. DATE WO AUGUST 1		
23.	PI	ROPOSED CASING	AND CEMENTING	B PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING I	)EPTH .		QUANTITY OF CEMENT ALLC 94		
14 3/4"	10 3/4"	40.5#	ŧ	950'	700/300 SURFACE		1982	
9 1/2"	7 5/8"	26.4	E	1600'	70	0/300 TIE BACK		
6 <sup>1</sup> / <sub>2</sub> or 7 7/8"	4 1/2"	10.54	E	4700'	-30	00 COVER AE	ARTESIA, OFFICE	

Propose to drill 14 3/4" hole with mud or air to approximately 950' and run 10 3/4" casing. Will cement to surface and test casing with cementing head to 600 psi. Will reduce hole to  $9\frac{1}{2}$ " and drill on mud or air to approximately 1600' and run 7 5/8" casing if circulation has been lost and cement with sufficient amounts to tie-back to 10 3/4" casing. Will then reduce hole to  $6\frac{1}{2}$ " or  $6\frac{1}{4}$ ", test BOP's and casing and drill to total depth. If hole conditions are favorable, the 7 5/8" casing will be omitted and the hole will be reduced to 7 7/3" and drilled to total depth. Either  $4\frac{1}{2}$ " or  $5\frac{1}{2}$ " casing will be run as production casing depending upon hole size drilled to TD.

Operator's gas sales are dedicated.

1000200101 Nd BOOK + Apt Brok 8-86-82

XC: MMS (7), TLS, CEN RCDS, ACCTG, MEC, LAND, ROSWELL, REM, FILE, (PARTNERS)) IN ABOVE SPACE DESCRIBE PROPOSED PROCRAM: 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. F.	Mathewed	TITLE		COORDINATOR	7-28-82
(This space for Fede	(Qrig. Sgd.) GEORGE H. STE	WART	APPROVAL DATE	<u> </u>	
APPROVED BY	AUG 2 3 1982	TITLE			1982
				U.S. GEOLOG	ICAL SLIDVEY

51710	0£	NEW MENCO
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## SANTA FE, NEW MEXICO 87501

Form Lines Revised 10-1-18

ENERGY AND	MINERALS DELARIM	ENT	SVM 14	from 1)	ler hounderles of the	Section	
		+1++h	NC #4 muet h	Leose			#3
Mesa Petroleum Co.				eila Federal			
	Mesa Felioreum	Township		Hand	• Co	unly	
G G	. 24	6 5	South		26 East	Chaves	
Charl 1'021400	Location of Well;			-	1000	m the East	line
198	30 teet from the	North	Jine (m)	d	1980 trei Im		Dedicated Acreoge:
round Level Elev. Producing Fermation				ESIGNATED AL	.7	NE/4 160	
3829	3829 ABO ONDESTENTION 1. Outline the perenge dedicated to the subject well by colored peneil or hachure marks on the plat below.						
1. Outlin	e the acrenge dedi	cated to the	subject	wen b) co	nored perior or m		
2. If mor interes	e than one lease st and royalty).	is dedicated	to the we	ell, outlind • dedicate	e each nnd identil	y the ownership	thereof (both as to working of all owners been consoli-
dated	by communitization	, untrizotron	••••	-			
	No H	answer is "	yes," type	of consol	idation		
□ Yo			• • • •	· .i.e.c	which have actua	lly been consoli	idated. (Use reverse side of
][ ans	wer is "no," list th	c owners an	d tract des	scriptions	Willen have bered		dated. (Use reverse side of
this to	un if necessary. 1-				1 1	alidated (by co	munitization, unitization,
No all	owable will be assi	gneo to the v	non-standa	ard unit, e	liminating such in	nterests, has be	en approved by the Division.
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				1	1		CERTIFICATION
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					1	1 hereb	y certify that the information con-
			. *	MESA	ETAL		herein is true and complete to the
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	l I			<b>k</b>	1980'	MESA	PETROLEUM CO.
l I					U. S. A.	Date	20 1082
	. <b>1</b>			•		JULT	28, 1982
	. 1						
	Sec.	24, T.6 S.	.R.26 E	., N.M.P	i .M. i	shown noies ( under m is true knowle	by certify that the well location on this plut was plotted from field of actual surveys mode by nie or by supervision, and that the sume and correct to the best of my dge and belief.
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## APPLICATION FOR PERMIT TO DRILL

## MESA PETROLEUM CO. LEILA FEDERAL #3 1980' FNL & 1980' FEL, SEC 24, T6S, R26E CHAVES COUNTY, NEW MEXICO

## LEASE NO. NM-31098

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	928
	GLORIETA	1895
	TUBB	3376
	ABO	4001

3. Hydrocarbon bearing strata may occur in the Abo formation(s). No fresh water is expected to be encountered below 950'.

4. The Casing and Blowout Preventer Program will be determined by hole conditions as encountered. See Exhibit VI. Anticipate drilling with mud, air or foam using ram type preventer and rotating head for well control. The 10 3/4" casing will be set at approximately 950' to protect any fresh water zones and cemented to the surface. The 7 5/8" casing will be set at approximately 1600' if water zones have been encountered or omitted if not and ram type preventers installed. 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. 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.

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.





ON PAD ; ROAD IF NEEDED

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