Form 9-331 C (May 1963)	DEPARTMENT GEOLOG	GICAL SURVEY	(Oth Drawer DD Artesia, NM	88210	,10 1	Budget Bureau 30 - OC' 5 - C/ 5. Lease designation a NM-20345	No. 42-R1425.
APPLICATION	I FOR PERMIT T	O DRILL, DE	EPEN, OR P	LUG BA	ACK	6. IF INDIAN, ALLOTTEE (JE TEIBE NAME
1a. TYPE OF WORK		DEEPEN 🗌	PLL RE	IG BACK	(🗇 😳	7. UNIT AGREEMENT NAS	·
	S OTHER		ZONE	ZONE		FISHER FED	
2. NAME OF OPERATOR MESA PETRO	LEUM CO.		JUN	2 3 198	Z	S. WELL NO.	
3. ADDRESS OF OPERATOR		AND, TEXAS	79701 - 4493 O .	C. D.		10. FIELD AND POOL, OR	WILDCAT
4. LOCATION OF WELL (R	eport location clearly and D'FSL & 1980'	in accordance with	any State requ AREN	SIA, OFFIC	¥.	WILDCAT AB	
At proposed prod. zon	e SAME				UT P.	SEC 14, T6	S, R26E
	AND DIRECTION FROM NEAR					12. COUNTY OR PARISH	
32 miles N	ortheast of Rost	vell, New Me	xico			CHAVES	NEW MEXICO
15. DISTANCE FROM PROPO LOCATION TO NEAREST		1	.6. NO. OF ACRES IN	LEASE		OF ACRES ASSIGNED HIS WELL	
PROPERTY OR LEASE L (Also to nearest drig	INE, FT. 1 OI	30'/660'	720			160	
13. DISTANCE FROM PROP TO NEAREST WELL, D	OSED LOCATION*	1	9. PROPOSED DEPTH		20. ROTA	RY OR CABLE TOOLS	
OR APPLIED FOR, ON TH	IS LEASE, FT. 13	20'	4700'			ROTARY	
21. ELEVATIONS (Show whe	ether DF, RT, GR, etc.)					22. APPBOX. DATE WOR	K WILL START*
3789'						JULY 15,	1982
23.	P	ROPOSED CASING	AND CEMENTING	3 PROGRAM	1		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOO	T SETTING I	DEPTH QUANTITY OF CEMENT		F	
14 3/4"	10 3/4"	40.5#	95	50 '	700/300 SURFACE		
9 1/2"	7 5/8"	26.4#	160	0'	700/300 TIE BACK		
6½ or 7 7/8"	4 1/2"	10.5#	470	0'	300	COVER ALL P	AY
	1					,	

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 7/8" 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 sized drilled to TD.

Operator's gas sales are dedicated.

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 blowout preventer program, if any.

24. SIGNED REMAN	TITLE	REGULATORY	COORDINATOR	DATE	6-9-82	is de
(This space for Federal of State office use)				-	Xed	VX Q2
APPROVED BY JUN 2 1 1982 CONDITIONS OF APPROVAL, IF ANY	EWART	APPROVAL DATE _		DATE	North C	25
JAMES A. CILLHAM DISTRICT SUPERVISOR					Pnt ID 9-23- Exp. I	-2
		4	DECEN	- Marca Marca	Esp. I	int,

OH.	CONSER	VATION	DIVISION
 L		NOX 2088	· •

STATE OF NEW MEXICO

P. O. DOX 2008

Form: C-102 Revised: 10-1-78

Mesa Petroleum Co. Fisher Federal Imit Letter Section Townshilp Runge County K 14 6 26 Chaves Section of Well: 1980 freet from the West Line 1980 test from the South 1980 freet from the West Dedicoled Accesses:				from the outer				Well		
Intervent Iteme Clearly K 14 6 26 Charges 1980 Interment 26 Charges 1980 Interment 1980 Interment West Interment 1980 Interment South Interment 1980 Interment South Interment 3789 A80 A80 Balance South South Interment Interment Interment Interment Interment Interment Interment <td< th=""><th></th><th>Detwolene C-</th><th></th><th>I</th><th>lisher Fe</th><th>deral</th><th></th><th></th><th>2</th><th></th></td<>		Detwolene C-		I	lisher Fe	deral			2	
Interview 14 6 26 Chaves 1980 treatment of white Interview Interview Interview 1980 treatment of white Destinend Arrenver SW/4 160 Accord 3789 A80 MILDCAT Proof SW/4 160 Accord 3789 Innore than one lease is dedicated to the well, outline each and identify the ownership thereaf (both as to wark) interests and regally). If more than one lease of different ownership in dedicated to the well, have the interests of all owners been concord dated by communitization, unitization, force-pooling, etc? If nore than one lease of different owners and tract descriptions which have actually been consolidated (Use reverse eide this form if accord, point ownership thereaf by communitization, unitization ownership the value of the value		T_	malify			1	· .			
K 1980 Inter mail 1980 Inter mail West Inter 1980 Inter mail Post Bedicand Accesser; Dedicand Accesser; 3789 ABO ABO WILDCAT \$// Skylet 160 Ar. 3789 ABO ABO Skylet 160 Ar. Skylet 160 Ar. 3789 ABO ABO Skylet 160 Ar. Skylet 160 Ar. 3.0 Outline the accessed different swhichs well, outline each and identify the ownership thread (both as to work) interest and regality). Skylet 160 Ar. 3.1 more than one lease of different swhership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, for copooling, etc? Interest and regality. 3.4 H more than one lease of different swhers and tract descriptions which have actually been consolidated. (Use reverse side this for it is accessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, unit	nii Leitei Se	CLION	_	2	6 ·		Chaves			
1980 test test be South test res 3789 ABO Point of test test of MILDCAT Point of test of	K									
1980 traiter is Point Point 3789 ABO 3789 ABO 3789 ABO 3789 ABO 3780 Machine the accessed dicated to the well, outline each and identify the ownership thereof (both as to work in interest and transition, unitization, force-pooling, etc? 3.1 Imore than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated. (Use reverse side this form if accesser). 3.1 Incommunitization, unitization force-pooling, etc? 3.2 No 3.3 If enswert is "no;" list the owners and tract descriptions which have actually here consolidated. (Use reverse side this form if accesser). 3.4 No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or will an non-standard unit, eliminating such interests, has been approved by the Divisi forced-pooling, or otherwise) or will a non-standard unit, eliminating such interests, has been approved by the Divisi forced-pooling, or otherwise) or will an own-standard unit, eliminating such interests, has been approved by the Divisi forced-pooling. 1980 NESA ET AL 1980 NESA ET AL		- ·	-h line cont	ı 1980	· fre	t from the	West			
3789 ABO WILLOUT 122 1. Outline the arrenge dedicated to the subject well by colored penell of hachare marks on the plot below. 2. If more than one lense is dedicated to the well, outline each and identify the ownership thereof (both as to worki interest and royally). 3. H more than one lense of different ownership is dedicated to the well, have the interests of all owners been consolidated (use revenue side this form if necessary). 3. H more than one lense of different ownership is dedicated to the well, have the interests of all owners been consolidated. (Use revenue side this form if necessary). 3. H more than one lense of different owners and tract descriptions which have actually leen consolidated. (Use revenue side this form if necessary). No If unswer is "yes," type of consolidation				· · · · · · · · · · · · · · · · · · ·						
1000 1. Outline the accence dedicated to the well, outline each and identify the ownership thereof (both as to worki interest and royalty). 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to worki interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? If more is "no" If enswer is "yes," type of consolidation If answer is "no". If the owners and tract descriptions which have actually been consolidated. (Use reverse side this form interests) has been approved by the Divisi for ed-pooling, or otherwise) or unit a non-standard unit, eliminating such interests, has been approved by the Divisi for ed-pooling, or otherwise) or unit a non-standard unit, eliminating such interests, has been approved by the Divisi for ed-pooling, or otherwise) or unit a non-standard unit, eliminating such interests, has been approved by the Divisi for ed-pooling, or otherwise) or unit a non-standard unit, eliminating such interests, has been approved by the Divisi for ed-pooling. 1980 NM-20345 Image: NMESA ET AL NM-20345 U.S.A. Image: NMESA ET AL		400		WILDC	TT (Acte
 2. If more than one lense is dedicated to the well, outline each and identify the ownership thereof (both as to work interest and royally). 3. If more than one lense of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? 	3789	ADO		until hu nator	ad acadil o	r hachure	marks on th	e plat belo	W.	
No nillowable will be assigned to the well until all interests have been opproved by the Divisi forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Divisi CERTIFICATION I hereby certify that the information or tained herein is two and complete to the best of my handledge and belief. Name R. E. MATHIS Position RECULATORY COORDINATOR Company MESA FET AL NM-20345 U.S.A. U.S.A.	 2. If more than interest and r 3. If more than a dated by common Yes If answer is this form if no 	one lense is dedi oynlty). one lease of different munitization, unitiz] No If enswer 'no,' list the owne cessory.)	icated to the we ent ownership is ration, force-poo r is "yes," type ers and tract des	dedicated to ling. etc? of consolida	tion	ntify the o	ntcrests of	all owners	n as to w s been co reverse s	ide o
1980' MESA ET AL Interest of octual surveys model by even under my supervision, and that the sur la two and belief. Interest of octual surveys model by even under my supervision, and that the sur la two and belief. U.S.A. Interest of octual surveys model by even under my supervision, and that the survey la two and belief.	No nilovadie forced-pooling	, or otherwise) or un	ntil a non-standa	1 unit, elim 1 1 1 1 1	inating suc	h interest:	I hereby co toined here	CERTIFIC, criify that the	TION e information ad complete	
1980' MESA ET AL 1980' MESA ET AL 1980' MESA ET AL 1980' NM-20345 1		1					best of my	knowledge o		
1980! MESA ET AL NM-20345 NM-20345 U.S.A. 00 00 01 02 03 02 03 03 04 04 04 04 04 04 04 04 04 04		 Sec. 14, T. 	.6 S., R.26 E	., N.M.Plm 	•		Name R. E. MA Position	ATHIS	~	
U.S.A. Date Survey of the second of the sec	_ •	Sec. 14, T.	.6 s., R.26 E	., N.M.Plm 	•		Norne R. E. MA Position REGULATO Competiy MESA PET Date	ATHIS DRY COORE TROLEUM C	INATOR	
Complicate Martine Complicate Martine Complicate Martine Complete	1980'	 	.6 S., R.26 E	., N.M.PlM 	•		Name R. E. MA Position REGULATO Compary MESA PET Date JUNE 9, 1 hereby of shown on t notes of a under my 3 Is true on knowledge	ATHIS DRY COORD TROLEUM (1982 Lerify thei his plut was ctual survey upervision, a d correct to and belief.	TINATOR DINATOR 30.	n lield rie al some
	•	MESA ET AL	.6 S., R.26 E	., N.M.P.M 	•		Name R. E. MA Position REGULATO Compary MESA PET Date JUNE 9, 1 hereby a shown on 1 notes of o under my 3 is true on knowledge Date purvey 6-1-82 Hegintered P	ATHIS DRY COORD TROLEUM (1982 Lertify thei his plut was ctual survey opervision, c d correct to and belief. N.D. JAQ MEtro coord Survey	DINATOR DINATOR 20. the well lo plotted iron s mod: by and that the the best the best	n fiel nie o som of m

APPLICATION FOR PERMIT TO DRILL

MESA PETROLEUM CO. FISHER FED COM #2 1980' FSL & 1980' FWL, SEC 14, T6S, R26E CHAVES COUNTY, NEW MEXICO

LEASE NO. NM-20345

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 OIL AND GAS <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	893
	GLORIETA	1860
	TUBB	3341
	ABO	3966

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.

