NM-36653
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT AAME RECEIVED
<u>Carol Fed Com</u> 9. WELL NO. 13 O. C. D.
10. FIELD OR WILDCAT NAME
West Pecos Slope ABO 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 1, T7S, R22E 12. COUNTY OR PARISH Chaves 14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD) 4115' GR
(NOTE: Report results of multiple completion or zone change on Form 9~330.)

including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Spudded well with 12" hole on 6-13-83. Lost circulation at 65'. Drilled to 1216' and ran 30 jts 8 5/8", 24#, J55, ST&C casing set at 1216'. Cemented with 450 sx "C" + 10% Gypseal + 4% CaCl and tailed in with 200 sx "C" + 2% CaCl. PD at 1800 6-14-83. Cement did not circulate. Ran temp survey -- TOC at 630'. Set seven plugs with a total of 850 sx "C" + 4% CaCl and 11 yds redi-mix to circulate cement. Tested BOPs and casing to 1000 psi for 3 hours -- ok. Reduced hole to 7 7/8" and drilled ahead on 6-15-83. WOC total of 28 1/2 hours.

PARTNERS

XC: BLM-R (0+6), CEN RCDS, ACTG, MAT CONT, RES ENG, OPS(FILE), MIDLAND, ROSWELL, Subsurface Safety Valve: Manu. and Type \_\_\_\_\_\_\_ Set @ \_\_\_\_\_\_ Ft.

18. I hereby certify that the fore	going is true and correct REGULATORY	
SIGNED R. E. Math	going is true and correct REGULATORY	6-17-83

TITLE

(This space for Federal or State office use)

ACCEPTED FOR RECORD JUN 3 0 1983

\_\_ DATE \_\_

\*See Instructions on Reverse Side

PORTN 9-321 C (May 1963)     Artesia, NN 86210     SUBMIT IN TRIPLICATE* (Other instructions on reverse side)     Form approved. Budget Bureau No. 42-R142       UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY     Other instructions on reverse side)     Form approved. Budget Bureau No. 42-R142       APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK     6. Lease Designation and Serial No. MM-36653     6. IF INDIAN, ALLOTTED OR TELINE NAME       1a. TYPE OF WORK DRILL S     OTHER     PLUG. BACK     7. UNIT AGREEMENT NAME       2. NAME OF OFERATOR MESA PETROLEUM CO.     JAN 2 4 1983     8. FARM OR LEASE NAME ZONE     8. FARM OR LEASE NAME Carol Fed Com       2. NAME OF OFFERATOR MESA PETROLEUM CO.     JAN 2 4 1983     10. FILL AND POOL, OR WILL (Report location clearly and in accordance with thy State populatements.*) At surface     7. UNIT AGREEMENT NAME       4. LOCATION OF WELL (Report location clearly and in accordance with thy State populatements.*) At surface     7. UNIES AND DUBLETION FROM NEAREST TOWN OR POST OFFICE*     7. IN. OF AGRES IN LEASE SEC -5, T7.S, REJECT       14. DISTANCE IN MILES AND DUBLETION FROM NEAREST TOWN OR POST OFFICE*     16. No. OF AGRES IN LEASE 2441.2     17. NO. OF AGRES ASSIGNED TO THIS WELL 160       15. DISTANCE FROM PROPOSED LOCATION MADE TO BLASE FROM PROPOSED LOCATIONS DECATION TO REAREST INMEST FROM PROPOSED LOCATIONS DECATION TO REAREST INMEST FROM PROPOSED LOCATIONS DECATION TO REAREST INMEST FROM PROPOSED LOCATIONS     16. NO. OF AGREST IN LEASE 2441.2     17. NO. OF A		NM OIL CONS. ( Drawer DD	<b>*</b> MISSION				30-0	0.3 - 61921	
GEOLOGICAL SURVEY       Marking and basing and the frame of the first network with any state requirements.")       In the of well.       Conset of operation       Notes of operation       Approximation and in accordance with any state requirements.")       At surface       At surface       Approximation from Nearest rown on Post of operate"       10. Price Parising 18. State       10. Price Parising 18. State       At colspan="2">Intel any field and in accordance with any state requirements.")       At surface       At surface       At colspan="2">Intel any field and in accordance with any state requirements.")       At surface       At proposed prod. cone       Sa	Form 9-331 C	Artesia, NM 8	JNITED STATES	-	(Other instruc	tions on	Form approv Budget Bure	red. au No. 42-R1425.	
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK     6. IF INDIAN, ALLOTTED OR TELBE NAME       Ia. TYPE OF WORK     DRILL X     DEEPEN PLUG. BACK       J. TYPE OF WORK     OTHER     PLUG. BACK       J. TYPE OF WORK     OTHER     PLUG. BACK       J. TYPE OF WORK     RECENTED X     WULTUPLE       C. RAME OF OFERATOR     NULTUPLE     B. FARM OR LEASE NAME       C. RAME OF OF WELL CO.     JAN 2.4 1983     B. FARM OR LEASE NAME       C. ADDRESS OF OFERATOR     JAN 2.4 1983     B. FARM OR LEASE NAME       C. ADDRESS OF OFERATOR     JAN 2.4 1983     B. FARM OR LEASE NAME       C. LOCATION OF WALL (Report location clearly and in accordance with any State countrements.*)     13       At surface     ATTESIA, OFFICE     JU. FIELD AND DIDECTION FROM NEAREST TOWN OR POST OFFICE*       27 miles northwest from Roswell, NM     SEC - T7S, REASE       10. DISTANCE FROM PROPOSED*     16. NO. OF ACERS IN LEASE     New Mexid       11. DISTANCE FROM PROPOSED*     5300'     2441.2     160       12. LOCATION TO NEAREST TOWN ON THERE SIZE     5300'     3500'     Rotary       21. ELEXAND PROPOSED CASING AND CEMENTING PROGRAM     16.0     2441.2     160       13. DISTANCE FROM PROPOSED LOCATION*     5300'<			ſ	5. LEASE DESIGNATION	N AND SERIAL NO.				
AFFLICATION FOR FERMINI TO DRILL, DEEPEN, OR FLUG BACK       In. TYPE OF WORK       DEEPEN DEEPEN PLUG BACK       N. DEEPEN DEEPEN DEEPEN, OR FLUG BACK       ON WELL       OUL OAS WELL OTHER       WELL OTHER       OUL OAS WELL OTHER       OTHER PEROPENTION FOR WELL       OTHER PEROPENTION FOR WELL       OTHER PEROPENTION FOR WELL       OTHER PEROPENTION FOR WELL OTHER PEROPENTION FOR WELL OTHER PEROPENTION FOR WELL OF COLSPANS       ADDRESS OF OFERATOR       P.O. BOX 2009, Amarillo, Texas 79189 C.       ATTESIA OFFICE       ATTESIA OFFICE       ATTESIA OFFICE       1980' FNL & 1650' FEL SW 1/4 NE 1/4       ATTESIA OFFICE       ATTESIA OFFICE       ATTESIA OFFICE       12. COUNT OF WELL       OTHER FORD FRONCOSED ADD PERON PRON NEAREST TOWN OR POST OFFICE"       12. COUNT OF PRON PRON NEAREST TOWN OR POST OFFICE"       12. COUNT OF PRON PRON PRON NEAREST TOWN OR POST OFFICE"       12. COUNT OF PRON PRON PRON PRON PRON PRON PRON PRON		GE			· · · ·				
DRILL IX     DEEPEN     PLUG. BACK       0. TYPE OF WELL     GAS     WELL IX     OTHER     RECEIVED     NULTIPLE     Received     Receiv	APPLICATIO	ON FOR PERM	AIT TO DRILL, I	DEEPEN, C	R PLUG B	ACK	6. IF INDIAN, ALLOTTI	EE OR TRIBE NAME	
OIL     GAS     CAL     OTHER     RECENSE     NUMBER     NUMBER     Carol Fed Com       2. NAME OF OPERATOR     MESA PETROLEUM CO.     JAN 24 1983     3.     3.     ADDRESS OF OPERATOR     9.     WELL NO.       3. ADDRESS OF OPERATOR     JAN 24 1983     13     9.     WELL NO.       4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)     At surface     J.     10.     FIELD AND POOL, OR WILDCAT       4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)     At surface     WILC     Undes.     W. Peccos Slope       11. SEC. T. R., M.; OR BLK.     At proposed prod. zone     J.     SEC 6.     T/S. R., M.; OR BLK.       14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*     Z7 miles northwest from Roswell, NM     SEC 6.     T/S. R., M.; OR BLK.       15. DISTANCE FROM PROPOSED     16. NO. OF ACRES IN LEASE     17. NO. OF ACRES ASSIGNED     New Mexi 160       16. DISTANCE FROM PROPOSED     18. SEC 7.     19. PROPOSED DEFTH     20. ROTARY OR CASES TOWN MERST     160       15. DISTANCE FROM PROPOSED LOCATION*     5300'     3500'     Rotary     160       21. ELEVATIONS (Show whether DF, RT, GR, etc.)     19. PROPOSED CASING AND CEME		DRILL 🛛	DEEPEN		PLUGBAC	ск 🗆 占	7. UNIT AGBEEMENT	NAME	
2. NAME OF OPERATOR     MESA PETROLEUM CO.     JAN 241983     Carol Fed Com       3. ADDRESS OF OPERATOR     JAN 241983     13     Newell NG.       3. ADDRESS OF OPERATOR     13     10. FIELD AND FOOL, OR WILDCAT       4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface     13     10. FIELD AND FOOL, OR WILDCAT       4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface     X     Indees. W. Pecos Slope       14. DISTANCE IN MILES AND DIBLECTION FROM NEAREST TOWN OR POST OFFICE*     X     Indees. W. Pecos Slope       15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST ************************************	or			RECEIVED			8. FARM OR LEASE NA	MD	
3. ADDRESS OF OPERATOR     13       P.O. BOX 2009, Amarillo, Texas 79189     C.D.       4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) AL NUTRICE     10. FIELD AND FOOL, OF WILDCAT       1980' FNL & 1650' FEL     SW 1/4     NE 1/4       At proposed prod. zone     M. G       14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*     M. G       27 miles northwest from Roswell, NM     16. NO. OF ACRES IN LEASE PROPOSED LOCATION* TO NEAREST WOR PROPOSED     16. NO. OF ACRES IN LEASE 2441.2     17. NO. OF ACRES ASSIGNED TO THIS WELL       18. DISTANCE FROM PROPOSED LOCATION* TO MEAREST WORLEASE, FT.     5300'     19. PROPOSED DEFTH 3500'     20. ROTARY OR CASHE TOOLS       19. DISTANCE FROM PROPOSED LOCATION* TO MEAREST WELL, DHILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.     5300'     2441.2     10. DISTANCE PROM PROPOSED LOCATION* TO HEAREST WELL, DHILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.     5300'     2441.2     10.       18. DISTANCE FROM PROPOSED LOCATION* TO MEAREST WELL, DHILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.     5300'     22. APPROX. DATE WORK WILL START       4115' GR     PROPOSED CASING AND CEMENTING PROGRAM     22. APPROX. DATE WORK WILL START       33.     SIZE OF HOLE     SIZE OF CASING     WEIGHT PRE FOOT     SETTING DEFTH     QUANTITY OF CEMENT			·····				Carol Fed C	lom	
B. ADDRESS OF ORMATION     P. 0. Box 2009, Amarillo, Texas 79189 C.D.     10. FIELD AND FOOL, OF WILDCAT       4. LOCATION OF WELL (Report location clearly and in accordance with they State requirements.*) At surface     ATTESIA, OFFICE     Indees. W. Pecos Slope       1. B80.' FNL & 1650' FEL     SW 1/4     NE 1/4     NE 1/4     Indees. W. Pecos Slope       At proposed prod. zone     SAME     Indees. W. Pecos Slope     Indees. W. Pecos Slope       2. country on public cons     SAME     SEC 6, T75, RESE       14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*     12. country on Parisin     13. BTATE       27 miles northwest from Roswell, NM     16. No. OF ACRES IN LEASE     17. No. OF ACRES ASSIGNED     New Mexid       LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.     660'/660'     2441.2     16. No. OF ACRES IN LEASE     160       18. DISTANCE FROM PROPOSED*     10. THIS UBARST     160     2441.2     160     20. ROTARY OR CABLE TOOLS       19. DROPOSED CASTION*     5300'     3500'     20. ROTARY OR CABLE TOOLS     160       21. ELEVATIONS (Show whether DF, RT, GR, etc.)     22. APPROX. DATE WORK WILL START     February 15, 1983       23.     PROPOSED CASING AND CEMENTIN	MESA PETROI	LEUM CO. 🗸	10	IN 24 1983	i i i	-	9. WELL NO.	····	
1. LOAR LOOP, HINDER 1110, TERRIN, 1710,	3. ADDRESS OF OPERAT	13							
1980' FNL & 1650' FEL   SW 1/4   NE 1/4     At proposed prod. zone     ML     At proposed prod. zone     27 miles morthwest from Roswell, NM     16. NO. OF ACRES IN LEASE     17. No. OF ACRES ASSIGNED     Colspan="2">Colspan="2">At proposed     At proposed     2441.2     16. NO. OF ACRES IN LEASE     17. No. OF ACRES ASSIGNED     To The WELL, DRILLING, COMPLETED, OR PAREST, FT.     5300'     20. ROTARY OR CASING AND CEMENTING PROGRAM     21. ELEVATIONS (Show whether DF, RT, GR, etc.)     At proposed CASING AND CEMENTING PROGRAM     Size of hole     Size of colspan= </td <td>P.O. Box 20</td> <td>009, Amarillo</td> <td>. –</td> <td>10. FIELD AND POOL,</td> <td>OR WILDCAT</td>	P.O. Box 20	009, Amarillo	. –	10. FIELD AND POOL,	OR WILDCAT				
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*     12. COUNTY OR PARISH     13. BTATE       27 miles northwest from Roswell, NM     Chaves     New Mexic       15. DISTANCE FROM PROPOSED*     16. NO. OF ACRES IN LEASE     17. NO. OF ACRES ASSIGNED       PROPERTY OR LEASE LINE, FT.     660'/660'     2441.2     160       18. DISTANCE FROM PROPOSED FROM PROPOSED FROM PROPOSED LOCATION*     19. PROPOSED DEPTH     20. ROTARY OF CABLE TOOLS       19. PROPOSED KON WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.     5300'     3500'     Rotary       21. ELEVATIONS (Show whether DF, RT, GR, etc.)     22. APPROX. DATE WORK WILL START       4115' GR     PROPOSED CASING AND CEMENTING PROGRAM       23.     PROPOSED CASING AND CEMENTING PROGRAM       SIZE OF HOLE     SIZE OF CASING     WEIGHT PER FOOT     SETTING DEPTH     QUANTITY OF CEMENT       12. 1/4''     8 /8''     24#     1400'     700/300     Surface	4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 1980' FNL & 1650' FEL SW 1/4 NE 1/4 At proposed prod. zone At proposed prod. zone								
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)     16. NO. OF ACRES IN LEASE 2441.2     17. NO. OF ACRES ASSIGNED TO THIS WELL 160       18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, OR COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.     10. PROPOSED DEPTH 3500'     20. ROTARY OR CABLE TOOLS       21. ELEVATIONS (Show whether DF, RT, GR, etc.)     5300'     3500'     Rotary       23.     PROPOSED CASING AND CEMENTING PROGRAM       SIZE OF HOLE     SIZE OF CASING     WEIGHT PER FOOT     SETTING DEPTH     QUANTITY OF CEMENT       12. 1/4''     8 /8''     24#     1400'     700/300     Surface	14. DISTANCE IN MILE		M NEAREST TOWN OR POS	T OFFICE*				H 13. STATE	
LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)   660'/660'   2441.2     TO THIS WELL (Also to nearest drig. unit line, if any)     18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.   5300'   19. PROPOSED DEPTH   20. ROTARY OF CABLE TOOLS     19. PROPOSED DEPTH     20. ROTARY OF CABLE TOOLS     21. ELEVATIONS (Show whether DF, RT, GR, etc.)     22. APPROX. DATE WORK WILL START     4115' GR     23.     PROPOSED CASING AND CEMENTING PROGRAM     SIZE OF HOLE     SIZE OF HOLE     SIZE OF CASING     WEIGHT PER FOOT     SETTING DEPTH     QUANTITY OF CEMENT     12 1/4''     8 /8''     24#     1400'     700/300     Surface	27 miles no	orthwest from	Roswell, NM				Chaves	New Mexico	
TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.   5300'   Rotary     21. ELEVATIONS (Show whether DF, RT, GR, etc.)   22. APPROX. DATE WORE WILL START     4115' GR   February 15, 1983     23.   PROPOSED CASING AND CEMENTING PROGRAM     SIZE OF HOLE   SIZE OF CASING   WEIGHT PER FOOT   SETTING DEPTH   QUANTITY OF CEMENT     12   1/4''   8 /8''   24 #   1400'   700/300   Surface	LOCATION TO NEAR PROPERTY OR LEAS	EST E LINE, FT.	<b>660'</b> /660'		· _		IS WELL	_ <b>.</b>	
4115' GR       February 15, 1983         23.       PROPOSED CASING AND CEMENTING PROGRAM         SIZE OF HOLE       SIZE OF CASING       WEIGHT PER FOOT       SETTING DEPTH       QUANTITY OF CEMENT         12       1/4''       8       /8''       24#       1400'       700/300       Surface	TO NEAREST WELL	, DRILLING, COMPLETE			_		· · · · · · · · · · · · · · · · · · ·		
23.   PROPOSED CASING AND CEMENTING PROGRAM     SIZE OF HOLE   SIZE OF CASING   WEIGHT PER FOOT   SETTING DEPTH   QUANTITY OF CEMENT     12   1/4''   8   /8''   24#   1400'   700/300   Surface									
PROPOSED CASING AND CEMENTING PROGRAM     Size of hole   Size of casing   Weight per foot   Setting depth   QUANTITY of CEMENT     12   1/4"   8   24#   1400"   700/300   Surface	i ubi dui / 105							<b>, 19</b> 83	
<u>12 1/4" 8 /8" 24# 1400' 700/300 Surface</u>	23.		PROPOSED CASH	NG AND CEME	NTING PROGRA	м			
	SIZE OF HOLE	OOT SET	TING DEPTH	1	QUANTITY OF CEMENT				
7 7/8" 4 1/2" 10.5# 3500' 350 Cover all pay			24#		L400 '	700/3	700/300 Surface		
	7 7/8"	4 1/2"	10.5#	<u>+</u>	3500'	350	Cover	all pay	

Propose to drill 12 1/4" hole to approximately 1400' 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: THE PROPOSED FROM ACCTG, MIDLAND, ROSWELL, OPS (FILE) PARTNERS IN ABOVE SPACE DESCRIBE PROPOSED FROM I 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.

lati TITLE REGULATORY COORDINATOR 1 - 5 - 83SIGNEI (This space for Federal or State office use) PERMIT NO. APPROVAL DATE APPROVED BY \_ TITLE CONDITIONS OF APPROVAL, IF ANY : 1983

OIL & GAS Minerals MgMt. Service Roswell, New Mexico

CONSERVA	HUN	DIVISION
CONSENTA	11011	

P. O. HOX 2088

STATE OF NEW MEXICO STATE OF NEW MEXICU FOR MEXICO 875

•

Form C-102 Revised 10-1-78

		•	A11 di+1+	ners must he I	rem the oute	r heunderles	of the Section	<b>)</b>	
					Leose				Well No.
Mesa Petroleum Co.					Car	rol Feder		<u></u>	#13
nit Letier	Sectio	and the second division of the second divisio	Township		Hunge		County	Charron	
G		1		7 South	2	2 East		Chaves	
clual l'assuge La		well:						Nor	<b>t</b> b
		from the	East	line and	1	980 .	ret from the	NO1	Dedicated Acreages
1650 round Level Clev		Producting Fer			Poul			1. A. J.	
		100			Undes. I	West Peco	s Slope ,	ABO 🧏	
4115		- dia	and in the	subject we	ell by col	ored pencil	or hachure	marks on t	he plat below.
2. If more interest	than on and roys	e Icase is nlty). Icase of d nitization, t	dedicated different ov unitization	l to the well wnership is ( , force-pooli	l, outline dedicated ng. etc?	each and is to the well	dentify the I, have the	ownership t interests of	hereof (both as to workin [ a]] owners been consoli
this form	r is "no if nece	o," list the ssary.)	owners an		riptions w	which have	actually be	en consolid	nted. (Use reverse side o imunitization, unitization approved by the Division
					<u> </u>			1	CERTIFICATION
				1			-		CERTIFICATION
	•	Ì		Mesa		Pool			
		1		et al	11	et al		Thereby	certify that the Information con- trein 1strue and complete to the
		1		80	1 1		1		
		l		86	- I I			best of m	y knowledge and belief.
		1		П	-		1	DE	Mattris
		r. I		•				Nome	
	1	· .		<u>NM-36</u> 6	<u>53</u> i			R. E. 1	lathis
-'							•	Position	<u> </u>
		1					1	Regulat	tory Coordinator
·		l				· .	1	Company	
		1			نے ا			Mesa P	etroleum Co.
		1			· · · · · · · · · · · · · · · · · · ·	165	50'	Date	
		1			· 1		-	1-5-83	•
	•	1		U.S.A	1	Crane			
		<u>[</u>		<u>0.</u>					
	•	1			. 1				certify that the well location
		1 · ·							this plut was plassed from field
•						-		notes of	octual surveys mode by me o
		, - 1	ļ		1		[	under my	supervision, and that the sum
		,  -		}	1		1		and correct to the best of m
		1		]	J 1	j.		Lnowledg	e ond belief.
		• 1					·	1	$\frown$
<sup>9</sup>		r	-		1	•			NO. JADI
		1			· · ·			Dute Sures	CHIND. JAOLA
		1 1 ·				1		Novembe	1/ 2/ 2000
		1	í		I 1			Heytalered	Protessional incluser
-		1 . 1	-	1		-		and of Log	(surley 290)
		1		ļ.				Salar	
		1		1	1	·		John I	F Sachess PSEL& L.
		1						/ Verilleur	No. POPESSIONAL
		· · · · · · · · · · · · · · · · · · ·	The summer of the local division of the loca				v		6290

## APPLICATION FOR PERMIT TO DRILL

MESA PETROLEUM CO. CAROL FED COM #13 1980' FNL & 1650' FEL, SEC 6, T7S, R23E 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</u> FOR <u>OIL AND GAS</u> <u>OPERATIONS</u> <u>ON FEDERAL LEASES</u>, Roswell District, Geological Survey of September 1, 1980 will be adhered to.
- 2. Geological markers are estimated as follows:

San Andres	Surface
Glorieta	690 <b>'</b>
Tubb	2210'
ABO	2845'

- 3. Hydrocarbon bearing strata may occur in the ABO formation(s). No fresh water is expected to be encountered below 900'.
- 4. The Casing and Blowout Preventer Program will be determined by hole conditions as encountered. Anticipate drilling with fresh water or mud 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 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.



