Form 9-331 C (May 1963)	Artesia, MT DEPARTMENT	END 25 TATES OF THE IN	TERIOR	OUBMII IN II (Other Insti reverse	.) .) (Ц.П.С.И.Т.Б. (П.Г.П.С.И.Т.Б.	5. LEASE DESIGNATION	5- 4/740 No. 42-B1425.	
GEOLOGICAL SURVEY						NM-16071 6. IF INDIAN, ALLOTTEE OF TRIBE NAME		
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK						Q. IS INDIAN, ADDOTTON	· ·	
1a. TYPE OF WORK				PLUG BA		7. UNIT AGREEMENT NA	AMB	
		1 1000	SINGLE ZONE	MULTIP ZONE		8. FARM OR LEASE NAM	E	
2. NAME OF OPERATOR								
3. ADDRESS OF OPERATOR								
ARTESIA, OFFICE 1000 VAUGHN BUILLDING/MIDLAND, TEXAS 79701-4493 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 660' FNL & 1980' FEL NW4 NE4 P At proposed prod. zone						10. FIELD AND POOL, OR WILDCAT UNDESIGNATED ABO 11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA		
SAME. 14. DISTANCE IN MILES AND DIBECTION FROM NEAREST TOWN OR POST OFFICE*						12. COUNTY ON PARISH	S	
10 miles Northeast of Roswell, New Mexico						CHAVES	NEW MEXICO	
15. DISTANCE FROM PROPOSED [®] LOCATION TO NEAREST PROPERTY OF LEASE LINE, FT. (Also to nearest drig. unit line, if any) 660'/660'			1360	ES IN LEASE	IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL 160			
18. DISTANCE FROM PROPOSED LOCATION [®] TO NEAREST WELL, DRILLING, COMPLETED,			19. PROPOSED DEPTH 20. ROTAL			RY OR CABLE TOOLS		
OR APPLIED FOR, ON THIS LEASE, FT. 1320			4100	1	ROTARY			
21. ELEVATIONS (Show who	ether DF, RT, GR, etc.)							
3559' GR AUGUST 19, 1982							. 1982	
23.	F	ROPOSED CASING	AND CEMEN	TING PROGR.	AM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	T SET	TING DEPTH	QUANTITY OF CEMENT		T	
14 3/4"	10 3/4"	40.5#		950'	700/300 SURFACE			
9 1/2"	7 5/8"	26.4#	26.4# 1600'		700	700/300 TIE BACK		
6 ¹ / ₂ or 7 7/8"	4 1/2"	10.5# 4100' 300 COVER ABO			•			

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 size drilled to TD.

Operator's gas sales are dedicated.

Deotid JD1 API + N.S. Book 8-26-82

XC: MMS (7), TLS, CEN RCDS, ACCTG, MEC, LAND, ROSWELL, REM, FILE, (PARTNERS) IN ABOVE SPACE DESCRIBE PROFOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive sone and proposed new productive sone. 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.

BIGNED APPROVED	REGULATORY COO	RDINATOR 7-23-82
(This space for Federal of State once use) (Orig. Sgd.) GEORGE H. STEWARL EBMIT NO. 4116 1 9 1982	APPROVAL DATE	
CONDITIONS OF APPROVAL, IF ANY: JAMES A. GILLHAM DISTRICT SUPERVISOR	TITLE	JUL 2 1982
	*See Instructions On Reverse Side	en e

RES, CECLOSH AN SHOVE RESWEEL, MEM MEREOO STATE OF NEW MEXICO ENERGY AND MINERALS DEFARIMENT

~

. --

OIL CONSERVE FION DIVISION

SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-78

	•	All distances	must he from the out		The Settice.	Well No.	
recolor			Lease			wen wo.	2
	troleum	-			ren Federal		
Mesa Pe	Section	Townshitp	Rangi		County		
G	· 25		95.	<u> 24 E </u>	Chav	<u>'es</u>	
inal Losinge Loc	ation of Well;			1000 100	tem the East	line	
660	feet from the	North	line and Pool	<u>1980 (ce</u>	from the East	Dedicated Acreoge:	
ound Level Elev.	Producting Fi	notion		ESIGNATED		NE/4 160	Acre
3559	ABO				hachure marks on	the plat below.	
2. If more il	han one lease is ad royalty).	s dedicated to	the well, outline	each and ide		thereof (both as to	
3. If more th dated by (communitization,	unitization, io	1000 pool			of all owners been	consoli
Yes Yes			type of consoli				
this form	if necessary.)			- Laure been	onsolidated (by co	idated. (Use reverse ommunitization, unit en approved by the I	izatior
				1		CERTIFICATION	
			()	I I I Д980' I I	toined	y certify that the informa- herein is true and compl my knowledge and belie f. Master	ete to th
	1 . 1			· ·		. MATHIS	
` ~ ~			BEARD	ETAL	Position		
	1		DLAND	1	REGU	LATORY COORDINAT	OR
	1			1			
					Company		
	-		NM	1 6071	MESA	PETROLEUM CO.	
	1		NM	F 16071	MESA	PETROLEUM CO.	
					MESA	PETROLEUM CO. 23, 1982	•
				- 16071 S. A.	MESA	PETROLEUM CO.	•
	l l l l Sec.	. 25, T. 9 S		S. A.	MESA Datu JULY 1 herei shown notes	by certify that the well on this plut was platted of actual surveys mode my supervision, and that	l locotic from lie by me the son
	 Sec.	. 25, T. 9 S	U.	S. A.	MESA Datu JULY f here shown notes under is true knowle	by certify that the well on this plut was platted of actual surveys mode my supervision, and that and correct to the be dge and balief.	l locotio from fic by me the sor
9	 Sec. 	. 25, T. 9 S	U.	S. A.	MESA Data JULY I here shown notes under Is true knowle Date Surv Hisylater	by certify that the well on this plut was platted of actual surveys mode my supervision, and that and correct to the be dge and belief.	I locotic from fie by me the som st of m
9	 Sec.	. 25, T. 9 S	U.	S. A. M.P.M.	MESA Data JULY I here shown notes under Is true knowle Date Surv Hisylater	by certify that the well on this plut was platted of actual surveys mode my supervision, and that and correct to the be dge and belief.	l locotic from fie by nie (the son st of n

APPLICATION FOR PERMIT TO DRILL

MESA PETROLEUM CO. KAREN FEDERAL #2 660' FNL & 1980' FEL, SEC 25, T9S, R24E CHAVES COUNTY, NEW MEXICO

LEASE NO. NM-16071

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.

Geological markers are	estimated as follows:
SEVEN RIVERS	Surface
SAN ANDRES	356'
GLORIETA	1316'
TUBB	2816'
ABO	3506'
	SEVEN RIVERS SAN ANDRES GLORIETA TUBB

4

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.

