Form 9-331 (May 1963)	DEPART	NUNIT	INTERIOR	SUBMIT IN TRI	ons o	5. LEASE DESIGNATION . NM 36643	u No. 42-R1424. AND SERIAL NO.
1 weil 2. SAME OF OPER Mesa Pe 3. Address OF O 1000 Va 4. Location of - See also spec- At surface	SUNDRY NO Use this form for prop Use "APPLIC WELL X OTHER troleum Co UPERATOR LUGHN Building WELL (Report location	Midland, Te	or plug back t for such proper	NOV 2 D. C. C	votr. VED 1979 3.	6. IF INDIAN, ALLOTTEE 7. UNIT AGREEMENT NA 8. FARM OR LEASE NAM ROCK Federal 9. WELL NO. 10. FIELD AND FOOL, O Wildcat <u>11</u> 11. SEC. T. R. M. OR L SUBVEY OR ABEA SEC. 7. T85. F	NE R WILDCAT
14. permit No.		15. ELEVATIONS (Show 4154'		GR, etc.)		Sec 7, T8S, F 12. COUNTY OF PARISE Chaves	N. Mexico
Drille casing and an l, 3, BJ Lit + 2% g culate circul	SETICE OF IN REAT TH	Appropriate Box To E PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON* CHANGE PLANS OFERATIONS (Clearly state etionally drilled, give sub to TD of 40881 for a total of th of 4091.67' and 29. Circui oflakes + 7# g + 1/4# cellofl ement to surfac hout job. Rele	on 10-26 4087.87' set at 40 lated thro ilsonite + akes + 3/1	water SHIT-0 FRACTURE TREA SHOOTING OR A (Other) (Note: I Completi stails, and give per and measured an -79. Ran with float 87' RKB. F( bugh the cas 10# salt. 0% CFR-2.	SUBSEQU FF ATMENT ACODIZING 4-17 Report results a con or Recompl rtinent dates, al true vertica 100 jts 4 collar a C at 4003 sing and Tailed PD at 5 hove dist	ENT REPORT OF: ALTERING 2" Casing of multiple completion citon Report and Log for including estimated da id depths for all marke 4-1/2", 10.5#, and float shoe 3. Centralize then cemented in with 200 s :15 AM on 10-2 placement pres	K55, ST&C for 2.35' rs on joints with 1850 sx x 50/50 Poz 8-79. Cir- ssure. Good
						RECEN	VED
						OCT 31 '	1979
						U.S. GEOLOGICA ARTESIA, NEW	IL SURVE <u>y</u> Mexic <b>o</b>

18. I hereby certify that the foregoing is true and correct SIGNED $\mathcal{N} = \frac{1}{2} $	Regulatory Coordinator	DATE0ctober 30, 1979
	ACTING DISTRICT ENGINEER	معرف الأول DATE

\*See Instructions on Reverse Side

			N.M.O.C	D. COPY			$\sim$ $\cdot$
Form 9-331 (May 1963)		NT OF THE	TES E INTERIOR	SUBMIT IN TRIPLIC. (Other instructions on verse side)	5.	Form approved Budget Bureau LEASE DESIGNATION A	No. 42-R1424.
		DLOGICAL SI				NM-36643	
(Do not use this	DRY NOTICE	ES AND RE	PORTEON	to a different reservoir.	6.	IF INDIAN, ALLOTTEE	OR TRIBE NAME
I. OIL GAS WELL WELL	X OTHER		OCT 2	;6 1979	7.	. UNIT AGREEMENT NAM	E
2. NAME OF OPERATOR			Π.	<b>C.</b> C.	S.	. FARM OR LEASE NAME	
Mesa Petrolei	um Co. 🖌		ARTESU	A, OFFICE		Rock Federal	
3. ADDRESS OF OPERATOR					9.	. WELL NO.	
1000 Vaughn I	Building / M	idland, Te:	<u>xas 79701</u>			]	
4. LOCATION OF WELL (1 See also space 17 bel At surface	deport location clear	ly and in accorda	nce with any Stat	e requirements.♥		Wildcat $\omega_{c}$	WILDCAT Second 1
1980' FSL & T	1980' FEL				1	1. SEC., T., R., M., OR BL SURVEY OR ABEA	/
			now whether DF, RT,	(P. oto)		Sec 7, T/8S, 2. COUNTY OB PARISH	<u>R23E</u> 13. state
14. PERMIT NO.			low whether br, ki,	Gn, etc.)	-	7	
· · · · · · · · · · · · · · · · · · ·		4154' GR			· /	Chaves I	NM
16.	Check Appr	opriate Box To	Indicate Natu	re of Notice, Report, c	or Oth	er Data	
	NOTICE OF INTENTIO	N TO:		SUB	SEQUEN	T REPORT OF:	
TEST WATER SHUT-	PUL	L OR ALTER CASIN	IG	WATER SHUT-OFF		REPAIRING W	ELL
FFACTURE TREAT	MU	LTIPLE COMPLETE		FRACTURE TREATMENT		ALTERING CAS	S1NG
SHOOT OR ACIDIZE	ABA	NDON*		SHOOTING OR ACIDIZING		ABANDONMENT	
REPAIR WELL (Other)	CH	ANGE PLANS		(Other)Spudding (Note: Report res Completion or Rec	ults of	9-5/8" casing multiple completion of on Report and Log form	n Well
17. DISCRIBE PROPOSED ( proposed work, I nent to this work.)	•			tails, and give pertinent day and measured and true ve Drilled to TD of	ates, inc rtical d	cluding estimated date lepths for all markers	of starting any and zones perti-

Spudded Well With 12-1/4 note on 10-16-79. Drifted to 10 of 714 on 10-17-79. Kan 23
jts 9-5/8", 36#, K55, ST&C casing (716.28'), FC (1.60'), and guide shoe (1.10') for total
length of 718.98'. FC at 658.79', centralizers on jts 1, 3, 13, and 14, and cement
baskets at 284' and 314'. Cemented with 200 sx thickset + 1/2# Flocele + 5# gilsonite.
Followed with 185 sx Lite Wt + 1/4# Flocele + 2% CaCl. Tailed in with 100\_sx Class "C"
+ 2% CaCl. PD at 10 P.M. on 10-17-79. Float held ok. Cement did not circulate. Job
witnessed by Mr. Coke and Mr. White of the USGS. Ran temperature survey on 10-18-79. Top
of cement at 400'. Cemented to surface with 1" pipe in 3 stages using 150 sx thickset +
1/4# Flocele + 5# Gilsonite + 2% CaCl. Third stage JC at 4:45 P.M. on 10-18-79.
Circulated 10 sx of good cement to surface. WOC 11-1/4 hrs (total of 31 hours). Tested
casing and BOP's to 1500 psi - ok. Hydril tested to 1000 psi - ok. Reduced hole to
8-3/4" and drilled ahead on 10-19-79.

7

in an		
00T 6 1.1		
U.S. PERLOG, DAL SELTIEN ARTESIA, ILLIN MILACO		
TITLE Regulatory Coordinator	DATE _	10-22-79
ACTING EPOLINET ENGINEER	DATE _	مریند (میرون مربعہ (میرون
(5), W.I. OWNERS, FILE		
	U.S. PERLUG DAL SEALE ARTESIA, ILEY MERCES TITLE Regulatory Coordinator ACTING SERVICE ENGINEER	U.S. PERLUG AN SUMPTY ANTESIA, NEW MICROS TITLE Regulatory Coordinator DATE ACTING SUPPERSINGER TITLE DATE

\*See Instructions on Reverse Side

Porm 9-33 <b>1 C</b> (May 193)	UNIT DEPARTMENT	1.O.C.D. CC ED STATES OF THE IN GICAL SURVE	TERIOR	SUBMIT IN ' (Other instruct reverse side			No. 42-R1425. 60600 AND SERIAL NO.
APPLICATION	FOR PERMIT	O DRILL, D	EEPEN, C	OR PLUG BA	ACK	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
1a. TYPE OF WORK DRIL	LX	DEEPEN		PLUG BAC		7. UNIT AGREEMENT NA	ME
b. TYPE OF WELL OIL CAS WELL WE 2. NAME OF OPERATOR	L X OTHER		SINGLE ZONE	MULTIPLI ZONE	° []	8. FARM OF LEASE NAM Rock Federal	E
Mesa Petrole	eum Co					9. WELL NO.	
4. LOCATION OF WELL (Ref	Building / Mid Bort location clearly and D' FSL & 1980'	in accordance with	s 79701	GEINEI	)	10. FIELD AND FOOL, OI Wildcat (2). 11. SEC., T., R., M., OR B AND SURVEY OR AR	LK.
At proposed prod. zone	Same as above		~~	p 2 4 1979	J-	Sec 7, T8S, R2	23E
14. distance in miles as 19 miles NW	of Roswell	REST TOWN OR POST	ADTEO	LUGICAL SURV	Ε <u>(</u> η	12. COUNTY OF PARISH Chaves	13. STATE N. Mexico
<ol> <li>DISTANCE FROM PROFOS LUCATION TO NEAREST P. OPERTY OR LEASE LI (Also to nearest drlg.</li> <li>DISTANCE FROM PROPO</li> </ol>	NE, FT. unit line, if any)	1980	16. x0.915. 2115.	DEPTH	то т 20. вота	DF ACRES ASSIGNED HIS WELL 320 RY OR CABLE TOOLS	
TO NEAREST WELL, DR OR APPLIED FOR, ON THIS 21. FLEVATIONS (Show whet	ILLING, COMPLETED, I LEASE, FT.	N/A	4	200'	Ro Ro	122. APPROX. PATE WO	
4154' GR						October 5,	
23.		PROPOSED CASIN	NG AND CEMI	NTING PROGRA	М		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO		TTING DEPTH	105	QUANTITY OF CEMEN	
1 <u>2-1/4</u> 8-3/4	9-5/8 4-1/2	36 10.5		00	•	x LW + 100 sx x LW + 200 sx	
		1	1				

Propose to drill surface hole to 700' without BOPs. After cementing 9-5/8" casing at 700' and installing bradenhead, will nipple up 10" API 3000 psi BOPs and drill 8-5/8" hole to total depth of 4200'. Drilling fluid will consist of fresh water and fresh water additions, however, mud weight may increase from 8.8 ppg to as high as 10.2 - 10.3 ppg due to leaching of salt stringers. After log evaluation, 4-1/2" casing may be run to total depth and cemented (with cement being raised to surface pipe or surface).

Gas sales are not dedicated.

IN ABOVE SPACE DESCRIBE PEOPOSED 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.

SIGNED R. E. Mauris	TITLE Regulatory Coord	dinator 9-21-79
(This space for Federal or State office use)		10-10-19
PERMIT NO	TITLE	RECEIVED
CONDITIONS OF APPROVAL, IF ANY :		OCT 1 2 1979
*See	Instructions On Reverse Side	O. C. C.
XC: TLS. MEC, JBH, FILE, JWH, P	LE, USGS	ARTESIA, OFFICE

## NE MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

MESA PETROLEUM	ROCK FED	Well No. 1				
Township J 7 Section Township 8 SOUTH		Range 23 EAST	County	, ,		
Actual Footage Location of Well:		1090	FAST			
1980 teet from the Ground Level Elev. Producing	Formation.	Pool	t from the	line Dedicated Acteage:		
4154.1 WOLFC		WILDCAT		E/2 320 Arres		
<ol> <li>Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</li> <li>If more than one lease is dedicated to the well, outline each and identify the Ger at the North as to working interest and royalty).</li> <li>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?</li> <li>Yes No If answer is "yes," type of consolidation</li></ol>						
forced-pooling, or otherwision. RECEIVED	se) or until a non-standard	unit, eliminating suc	l hereby	certify that the information con-		
U.S. GEULUGICAL SURVEY ARTESIA, NEW MEXICO		M E S A ETAL 36643	Name R. E. Position REGULA	ny knowledge ond belief. <u>F. Matta</u> MATHIS TORY COORDINATOR ETROLEUM CO.		
		1	Date	ber 22, 1979		
TATE OR	SURVEY		shown of notes of under my is true	certify that the well location in this plat was plotted from field cactual surveys made by me or x supervision, and that the same and correct to the best of my ge and belief		
0 330 640 02 1320 1650		US.A.	Registered	PTEMBER 13TH, 1979 Endessional Engineer Surveyor		



# N.M.O.C.D. COPY United States Department of the Interior

RECEIVED

GEOLOGICAL SURVEY P. O. Drawer U Artesia, New Mexico 88210 **OCT** 1 2 1979

O. C. C.

October 10, 1979

Mesa Petroleum Company 1000 Vaughn Building Midland, Texas 79701 MESA PETROLEUM COMPANY Rock Federal Well No. 1 1980 FSL 1980 FEL Sec. 7 T.85 R.23E Chaves County Lease No. NM 36643

Gentlemen:

Above Data Required on Well Sign

Your APPLICATION FOR PERMIT TO DRILL the above-described well to a depth of 4,200 feet to test the Wolfcamp is hereby approved subject to compliance with the OIL AND GAS OPERATING REGULATIONS (30 CFR 221) and the following conditions:

- 1. Drilling operations authorized are subject to compliance with the attached General Requirements for Oil and Gas Operations on Federal Leases, dated July 1, 1978.
- 2. Prior to commencing construction of road, pad, or other associated developments, operator will provide the dirt contractor with a copy of the Surface Use Plan and these Conditions of Approval including the attached General Requirements.
- 3. Submit a Daily Report of Operations from spud date until the well is completed and the Well Completion Report (form 9-330) is filed. The report should not be less than 8" x 5" in size and each page should identify the well.
- 4. All permanent above-ground structures and equipment shall be painted in accordance with the attached Painting Guidelines. The color used should simulate Sandstone Brown (Federal Standard No. 595A, color 20318 or 30318).
- 5. Before drilling below the 9-5/8" casing, the blowout preventer assembly will consist of a minimum of one annular type and two ram type preventers.
- 6. A kelly cock will be installed and maintained in operable condition.



- 7. After setting the 9-5/8" casing string and before drilling into the Wolfcamp formation, the blowout preventers and related control equipment shall be pressure tested to rated working pressures by an independent service company. Any equipment failing to test satisfactorily shall be repaired or replaced. This office should be notified in sufficient time for a representative to witness the tests and shall be furnished a copy of the pressure test report.
- 8. Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be installed and operating before drilling into the Wolfcamp formation and used until production casing is run and cemented. Monitoring equipment shall consist of the following:
  - (1) A recording pit level indicator to determine pit volume gains and losses.
  - (2) A mud volume measuring device for accurately determining mud volume necessary to fill the hole on trips.
  - (3) A flow sensor on the flow-line to warn of any abnormal mud returns from the well.
- 9. Cement behind the 9-5/8" casing must be circulated.
- 10. Please have anyone contacting the Survey in regard to this well to identify the well with all of the information required above for the well sign.

Sincerely yours,

George H. Stewart Acting District Engineer

#### APPLICATION FOR DRILLING

#### MESA PETROLEUM CO ROCK FEDERAL WELL NO. 1 1980' FSL and 1980' FEL of Sec 7, T8S, R23E CHAVES COUNTY, NEW MEXICO

#### LEASE: NM 36643 September 21, 1979

In conjunction with Form 9-331 C, Application for Permit to Drill subject well, the following items of pertinent information are submitted in accordance with U.S.G.S. requirements:

1. The geologic surface formation is San Andres.

2. Estimate tops of geologic markers are as follows:

Glorietta	65 <b>6</b>
Yeso	844
Tubb	2276
Abo	2916
Wolfcamp (Hueco)	356 <b>6</b>
Granite	4166

3. The estimated depths at which anticipated water, oil, or gas formations are expected to be encountered:

Water		San Andres at approximately 500'
Gas	-	Yeso at approximately 1100'
Gas		Abo at approximately 3300'
Gas	-	Wolfcamp (Hueco) at approximately 4000'

4. Casing and Blowout Preventer Program

Surface: 700' of 9-5/8" 36# K-55 ST&C new casing cemented with 185 sx LW + 100 sx "C" or volume sufficient to circulate cement to surface. Will nipple up 10" API 3000 WP bradenhead and install 10" API 3000 psi WP BOP stack (consisting of 1 pipe ram, 1 blind ram, and 1 bag type BOP) to drill 8-3/4" hole to total depth.

Production: 4200' of 4-1/2" 10.5#, K-55, ST&C new casing cemented with 775 sx LW + 200 sx 50/50 Poz or volume sufficient to raise top of cement to at least 700' (or base of surface casing). In the event that severe loss circulation problems occur below the surface pipe, a string of 7" 23# K-55 casing may be set as an intermediate string to correct these problems. However, it is not anticipated that an intermediate string will be required. Application for Unilling Rock Federal Well No. 1 Page 2

> Choke, kill and fill lines are indicated on Exhibit I. BOPs will be tested prior to drilling below the 9-5/8" casing. A full opening safety valve, to fit the drill string in use, will be kept on the rig floor at all times. The kelly cock, safety valve, choke and kill lines will be tested at the same time that BOPs tests are run. Operational opening and closing checks on all BOPs will be run on each trip, with daily operational check of pipe rams.

- 5. Circulating medium and control equipment.
  - 0 700' Use fresh water spud mud with fresh water gel and soda ash or lime treated with lost circulation material (cottonseed hulls, fiber and paper) as hole conditions dictate. If total loss of returns occurs, mix 2 or 3 viscous slugs with LCM and attempt to regain circulation. If unsuccessful, consider drilling without returns to casing point and spot 150± bbls viscous slug treated with LCM on bottom to run pipe.
  - 700 2800' Drill out 9-5/8" casing with fresh water circulating reserve pit with additions of caustic soda for pH = 9.0 - 9.5 and chemicals for corrosion control. Mix paper, as needed, to control seepage and/or to sweep hole.
  - 2800 T.D. Go through steel pits utilizing above fluid with fine screen shaker and desilter to control solids. Maintain mud weight less than 10 lb/gal with additions of fresh water while keeping chloride - ion concentration of 40,000-50,000 + ppm and KCL = 3.0%. At 2800' mud-up with starch and soda ash to control API water loss to 20-25 cc to T.D. Sea mud and salt water gel will be added to sweep hole or to raise viscosity of system sufficiently to clean hole to run logs and casing.
- 6. There is no coring program planned for this well. It is possible that a drillstem test will be run in the Yeso (850'-1200'), Abo (3000'-3500') and/or Wolfcamp Hueco (3600'-4100'). The logging program will consist of a gamma ray log from total depth to surface. Compensated neutron-density-caliper log and dual laterolog-micro spherically focused log will be run from 700' to total depth.
- 7. Maximum anticipated bottom hole pressure is less than 1700 psi at a depth of 3800' based upon normal gradient. Mud weight required to offset this pressure is 8.5 ppg. It is probable that leaching of expected salt stringers could increase the mud weight to 10.0 - 10.2 ppg. Bottom hole temperature should not exceed 115°F. No sour gas is expected.
- 8. Anticipated spud date is October 5, 1979, with completion of drilling operations expected by October 19, 1979. Completion operations (perforations and stimulation) will immediately follow successful drilling operations.

#### MULTI-POINT SURFACE USE AND OPERATION PLAN

MESA PETROLEUM CO ROCK FEDERAL WELL NO. 1 1980' FSL and 1980' FEL, Sec 7, T8S, R23E CHAVES COUNTY, NEW MEXICO



SEP 2 4 1379

LEASE: 36643 September 22, 1979

U.S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operational plan in both the actual and post drilling-completion operations.

- 1. Existing Roads
  - A. Exhibit II is a portion of a highway map showing the location of the proposed well as staked. The proposed well is approximately 19 miles northwest of Roswell, New Mexico.
  - B. <u>Directions</u>: Travel northwest of Roswell on Highway 285 for 16.6 miles. Turn west through cattleguard and travel approximately 5.7 miles on an improved existing gravel road. The proposed access road will commence at this point. The proposed access road will be constructed south for approximately 700' to the southeast corner of the proposed drilling location pad.
- 2. Planned Access Road
  - A. Length and Width: The new access road will be 12' wide (20' ROW) and approximately 700' long from the existing gravel road to the edge of the drilling pad. (See Exhibit III for details)
  - B. Construction: The new road will be constructed by grading and topping with compacted caliche. The surface will be crowned, with drainage on both sides. (See Exhibit IV)
  - C. Culverts, Gates, and Cattleguards: None required.
  - D. Cut and Fill: In order for the location pad to be level, approximately 3' of cut from the south side will be moved to the north side for fill.
- 3. Location of Existing Wells
  - A. Existing wells within a one-mile radius are depicted by Exhibit V.
- 4. Location of Existing and/or Proposed Facilities
  - A. There are no production facilities on this lease at the present time.
  - B. If the well proves to be commercial, the necessary production facilities, gas separation-process equipment and tank battery, will be installed on the drilling pad.

- 5. Location and Type of Water Supply
  - A. It is planned to drill the proposed well with fresh water. The water will be obtained from commercial sources and will be trucked to the wellsite over the existing roads and the propsed access road shown on Exhibits II and III.
- 6. Source of Construction Materials
  - A. Caliche for surfacing the road and the wellsite pad will be obtained from an existing pit in the SE1/4, W, Sec 12, T8S, R22E, and will be purchased by the dirt contractor from the Federal Government. Top soil from the location will stockpiled near the location for future rehabilitation use. No surface materials will be disturbed except for those necessary for the actual grading and leveling of the drillsite and access road.
- 7. Methods of Handling Waste Disposal
  - A. Drill cuttings will be disposed of in the reserve pits.
  - B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.
  - C. All pits will be fenced with normal fencing material to prevent livestock from entering the area.
  - D. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or separate disposal application will be submitted to the USGS for approval.
  - E. Current laws and regulations pertaining to the disposal of human waste will be complied with.
  - F. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind.
  - G. All trash and debris will be buried or removed from the wellsite within 30 days after finishing and/or completion operations.
- 8. Ancillary Facilities: None required.
- 9. Wellsite Layout
  - A. Exhibit VI shows the relative location and dimensions of the well pad, reserve pits, and major rig components. The pad and pit area has been staked and flagged.

Multi-Point Surface Use and Operations Plan Page 3

- 9. Wellsite Layout cont.
  - B. Some leveling of the wellsite will be required. See Exhibit IV for additional details.
  - C. The reserve pit will be plastic lined.
- 10. Plans for Restoration of the Surface
  - A. After completion of drilling and/or completion operations all equipment and other material not needed for operations will be removed. Pits will be filled and location cleaned of all trash and junk to leave the wellsite in an aesthetically pleasing a condition as possible.
  - B. Any unguarded pits containing fluids will be fenced until they are filled.
  - C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the Bureau of Land Management and the United States Geological Survey will be complied with and will be accomplished as expeditiously as possible. All pits will be filled and leveled within 90 days after abandonment, if drying conditions permit.
- 11. Other Information
  - A. Topography: The land surface in the vicinity of the wellsite is gently sloping to the north.
  - B. Soil: The topsoil at the wellsite is sandy loam.
  - C. Flora and Fauna: The vegetative cover consists of Tabosa and other prairie grasses, creosote bush, yucca, cactus, prairie flowers and other miscellanous desert growth. Jackrabbits were observed in the area and other wildlife in the area probably includes those typical of semi-arid desert land. The area is used for sheep grazing.
  - D. Ponds and Streams: There are no rivers, streams, lakes, or ponds in the area.
  - E. Residences and Other Structures: There are not residences or other structures in the vicinity of the proposed well.
  - F. Land Use: Sheep grazing.
  - G. Surface Ownership: The wellsite is on Federal surface.
  - H. There is no evidence of any major archeaological , historical, or cultural sites in the area. One minor isolated manifestation was detected by NMAS, but due to its solitary nature, clearance was recommended.

Multi-Point Surface Use ind Operations Plan Page 4

## 12. Operator's Representatives:

A. The field representatives responsible for assuring compliance with the approved surface use and operations plan are as follows:

J. W. Hart	M. P. Houston
P. O. Box 1756	1000 Vaughn Building
Hobbs, New Mexico 88240	Midland, Texas 79701
(505/393-4425) - office	(915/683-5391) - office
(505/393-4317) - home	(915/694-3442) - home

### 13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; and, that the work associated with the operations proposed herein will be performed by Mesa Petroleum Co and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Lept 22,1979

Michael P. Houston

Michael P. Houston Operations Manager



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Blow-out Preventers hydril and choke manifold are all 900 Series





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