		CONS. COMMISSI	ON					
Form 9-331 C (May 1963)		D איז איז איז איז איז איז איז איז איז איז		SUBMIT I	PLICATE	* Form a Budget	pproved. Bureau No. 42	-R1495
		UNITED STATE		(Other inst reverse	side)	30-005		∩ <i>9</i>
				RIUR		5. LEASE DESIGN		IAL NO.
<u> </u>		OLOGICAL SUR				<u>NM - 27</u>		
1a. TYPE OF WORK	N FOR PERM	HIJO DRILL	LEEP	EN, OR PLUG	BACK	6. IF INDIAN, AL	LOTTEE OR TRIBE	č NAME
		DEEPEN		PLUG B	аск 🖂	7. UNIT AGREEM	ENT NAME	
b. TYPE OF WELL OIL CA		U OCT 23 19	181	5				
WELL W 2. NAME OF OPERATOR W	ELL A OTH	Eb.i	<u>,</u> ż			8. FARM OB LEAN		
MESA PETRO	LEUM CO.	OIL & GAS U.S. GEOLOGICAL	SHOWER			9. WELL NO.	FEDERAL	
3. ADDRESS OF OPERATOR		ROSWELL, NEW M	AEXICO	REGE	IVED A	6		
4. LOCATION OF WELL (R.	eport location clear	MIDLAND, TE	XAS	79701-4493		10. FIELD AND P		
		660' FEL		NENSEV 9	9 1981	UNDESIGN		J
At proposed prod. zon						AND SURVEY	OR AREA	
14. DISTANCE IN MILES A	ND DIRECTION PROL	NEADERM ROWN OF DO		0. C		SEC 8,	T 7S, R2	
		oswell, New		ARICOM	OFFICE	12. COUNTY OF P CHAVES		
15. DISTANCE FROM PROPU LOCATION TO NEAREST	SED*	Joswell, New		D. OF ACRES IN LEASE	17. Nor	OF ACRES ASSIGNED		MEXICO
PROPERTY OR LEASE L (Also to nearest drlg	INE, FT. unit line, if any)	660'/660	1	1600	TOT	HIS WELL	160	
18. DISTANCE FROM PROP TO NEAREST WELL, DE OR APPLIED FOR, ON THE	RILLING, COMPLETED.	17201	19. PF	ROPOSED DEPTH		BY OR CABLE TOOL	8	
21. ELEVATIONS (Show whe		<u>1320'</u>		4100'		ROTARY	TE WOBK WILL	
3858' GR							R 14, 19	
23.		PROPOSED CAS	ING ANI	CEMENTING PROG	RAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER	FOOT	SETTING DEPTH		QUANTITY OF	CEMENT	
$\frac{17}{11''}$		8'' 48#		900	SUR	FACE		
$\frac{11''}{7.7/8''}$	8 5/8	<u>3''</u> <u>24#</u> 2'' <u>10.5</u> #		1600'		LATE WATE		& GAS
, ,, , , , , , , , , , , , , , , , , , ,	1 1/1	10.5%		4100		ER ALL-PA	<u>Y</u>	
Propose to	drill 17	1/2" hole to	n anr	rovimatoly	0.001 +	o oot 17	7 / 011	÷
surface cas	ing and ce	ement to su	rface	e. Will red	uce ho	lesto 11"	and	
drill to ap	proximatel	ly 1600' to	set	8 5/8" casi	ng. W	ill nippl	<u> </u>	
RAM type BO	Ps, reduce	e hole to 7	7/8'	' and drill	to tot	al depth.	an a	~ 1 P'
Drilling me	alum will	De air, ioa	am, c	or mud as re	quirea	• 100 - 110 100 - 100 - 100 - 100 100 - 100 - 100 - 100	XI	12 12-14 11-13-81
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Gas Sales a	re dedicat	ted.			2.4 10 1		pr	1. 81
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xc: USGS (6). TLS. (CEN RCDS. A	сстб.	MEC, LAND,	REM.	FILE ROS	WELL	
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IN ABOVE SPACE DESCRIBE	PROPOSED PROGRAM	: If proposal is to dee	pen or p	lug back, give data on	present pröd	uctive zone and pr	oposed new pro	ductive
zone. If proposal is to d preventer program, if any		ctionally, give pertinen	it data o	n subsurface locations	and measured	and true vertical	depths. Give t	olowout
24.	mf							
BIGNED	Taches	<u> </u>	TLE	REGULATORY	COORDI	NATORATE	10-20	- 81
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PERMIT NO.		APPROV	ED	APPROVAL DATE				
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APPROVED BY CONDITIONS OF APPROVA	L, IF ANY :	NOV N 5 T	9 81			DATE	<u>। 2929</u> • द्वर	
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		DISTR ISE INST	uctions	On Reverse Side				

. P. O. BOX 2088

STATE OF NEW	MEXICO	SANTA Ι	P. O. BOX 2088 TE, NEW MEXI	CO 8750		Forn: C-102 Revised 10-1-78
ENERGY AND MINERALS		All distances must be			on.	
Operator			Coyote F	ederal		Well No.
	etroleum Co.	iwn ship	Range	County	· · · · · · · · · · · · · · · · · · ·	
Unit Letter Section	on i'	7 South	25 East		Chaves	
Actual l'astuge Location a	r well:	. 1	660		East	
	from the	uth line and	Poul	feet from the		line aled Acreoge;
Ground Level Elev. 3858	Producting Format		1	IGNATED	SI	E/4 160 Acres
1. Outline the acr	dedicated	to the subject w	ell by colored pe	n'cil or hachur	re marks on the pla	t below.
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Yes I If answer is "n this form if nece	No II answ o,' list the owr ssary.)	er is "yes," type o	of consolidation _	eren consolid	ated (by communit	(Use reverse side of ization, unitization, oved by the Division.
			i			TIFICATION
	1 1 1		1 1 1 1		toined herein Is best of my know fr. 17/11/	that the Information con- true and complete to the ledge and belief.
				· ·	R.E. MATH Position REGULATOR	IS Y COORDINATOR
	Sec. 8, T.	S., R.25 E.,	N.M.F.M. 		Company	OLEUM CO.
	1]]				Date 10-20-81	
		-	E S A ET A	L	shown on this pl notes of octual under my superv	that the well location at was platted from field surveys mode by me or ision, and that the same rect to the best of my elicities.
	- 1 1 1 1 1 1	- - _		1980'	Date Suveyed Octoper 8, Hegistarch blog and/or land cuve John D.	62,90
	120 10 NO 10 ATI 2	310 2640 2000	1300 1000	E00	Certificate (96. C	6290

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MESA PETROLEUM CO. COYOTE FEDERAL #6 1980' FSL & 660' FEL, SEC 8, T7S, R25E CHAVES COUNTY, NEW MEXICO LEASE NO: NM-27970

In conjunction with Form 9331-C, Application For Permit to Drill subject well, the following additional information is provided:

 Applicable portions of the <u>GENERAL REQUIREMENTS</u> FOR <u>OIL</u> AND <u>GAS</u> <u>OPERATIONS</u> <u>ON</u> <u>FEDERAL LEASES</u>, Roswell District, <u>Geological</u> <u>Survey of September 1</u>, <u>1980</u> will be adhered to.

2.	Geological markers	are	estimated	as	follows:
	Seven Rivers				Surface
	San Andres				580'
	Glorieta				1383'
	Tubb				2972'
	Abo				3586'

- 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. (See Exhibit VI) Anticipate drilling with air or foam using ram type preventer and rotating head for well control. The 13 3/8" casing will be set at approximately 900' to protect any fresh water zones and cemented to the surface. The 8 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 tests 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 fifteen days with completion operations to follow as soon as a completion unit is available.

中国は国 MESA PETROLEUM CO. COYOTE FEDERAL #6 1980' FSL & 660' FEL, SEC 8, T7S, R25E OIL & GAS U.S. COOLOGICAL SURVEY CHAVES COUNTY, NEW MÉXICO OSWELL, NEW MEXICO LEASE NO: NM-27970

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 I is a portion of a highway map showing the location of the proposed well as staked. The proposed well is approxmately 27 miles north of Roswell, New Mexico
- B. Directions: from Roswell travel north on US Highway 285 for approximately 17 miles to mile marker 132 and turn east thru El Paso plant sign and take left fork and continue easterly 9 miles then turn north (just before cattelguard) for 1/2 mile then due west to location.

2. Planned Access Road:

A. Length and width: The new access road will be 12' wide (20' ROW) and approximately 600' of new road.

(See Exhibit II)

- 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 III)
- C. Culverts, Gates and Cattleguards: None
- D. Cut and Fill: In order for the location to be level, approximately 3' will be moved from the west to the east for fill.

3. Location of Existing Wells:

Existing wells within a one-mile radius are depicted by Exhibit IV.

Multi-Point Surface Use and Operation Plan

Page 2

4. Location of Existing and/or Proposed Facilities:

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:

It is planned to drill the proposed well with air, if needed, water will be obtained from commercial sources and will be trucked to the wellsite over the existing roads and proposed access road shown on Exhibits I and II.

6. <u>Source of Construction Materials</u>:

Caliche for surfacing the road and wellsite pad will be obtained by the dirt contractor from an approved pit. Probable pit is located: Unknown

- 7. <u>Methods of Handling Waste Disposal:</u>
 - 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 finished and/or completion operations.
- 8. Ancillary Facilities:

Multi-Point Surface Use and Operation Plan

Page 3

- 9. Wellsite Layout:
 - A. Exhibit V 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.
 - B. Some leveling of the wellsite may be required. See Exhibit III for additional details.
 - C. The reserve pit will not be 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: See NMAS, Inc. Report
 - B. Soil: The topsoil at the wellsite is sandy loam.
 - C. Flora and Fauna: See NMAS, Inc. Archaeological Report for vegetative types.
 - D. Ponds and Streams: Coyote Draw is 1 1/4 miles south.
 - E. Residences and Other Structures: Savage Well is 1/2 mile northeast from the location.

Multi-Point Surface Use and Operation Plan

Page 4

- F. Land Use: Grazing.
- G. Surface Ownership: The wellsite is on private surface (Spool Cattle Co.)
- H. NMAS, Inc. has conducted an archaeological study of this site and provides this report to interested parties.
- 12. Operator's Representatives:
 - A. The field representatives responsible for assuring compliance with the approved surface use and operations plan are as follows:

J. James	W. R. Miertschin
P. O. Box 298	1000 Vaughn Building
Roswell, New Mexico	Midland, Texas 79701
(505-622-0992) - Office	(915-683-5391) - Office
(505-622-0234) - Home	(915-682-6535) - Home

13. Certification:

I hereby certify that I, or person 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.

DATE

MICHAEL P. HOUSTON OPERATIONS MANAGER





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