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	<del></del>	CERTIFICATION
	; ;	i hereby certify that the information can raised herein is true and complete to the best of my knowledge and belief.
		R.E. Mail S
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		REGULATORY COORDINATOR
		MESA PETROLEUM CO.
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·		JULY 22, 1981
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0 330 660 'PO 1320 1650 1960 2310 2640	2000 1500 1000 500	Certificate No JOHN W. WEST 676 PATRICK A. RONERO 6662 Rongld J. Eidson 3239

### APPLICATION FOR DRILLING

### MESA PETROLEUM CO. CINDY FEDERAL #2 660' FSL & 1980' FWL, SEC 24, T8S, R22E CHAVES COUNTY, NEW MEXICO

#### LEASE NO: 36651

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> <u>AND</u> <u>GAS</u> <u>OPERATIONS</u> <u>ON</u> <u>FEDERAL LEASES</u>, Roswell District, <u>Geological</u> Survey of September 1, 1980 will be adhered to.
- 2. Geological markers are estimated as follows:

San Andres	Surface
Glorieta	449'
Yeso	634 '
Tubb	2059'
Abo	2709'
Hueco	3209'

3. Hydrocarbon bearing strata may occur in the Abo formation(s). No f esh water is expected to be encountered below 800'.

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- 4. The Casing and Blowout Preventer Program will be determined by hole conditions as encountered. Anticipate drilling with air or foam 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.

MULTI-POINT SURFACE USE AND OPERATION PLAN

### MESA PETROLEUM CO. CINDY FEDERAL #2 660' FSL & 1980' FWL, SEC 24, T8S, R22E CHAVES COUNTY, NEW MEXICO

### LEASE NO: NM 36651

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 approx-mately 14 miles North of Roswell, New Mexico.

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B. Directions: Travel North of Roswell on US Highway 285 until just before mile marker 117 and then turn West thru cattleguard. Travel Westerly on lease road for 8 miles (past the Ned State #1) then Northwest 2 miles then take the West fork and continue Westerly 1.3 miles then North 1 mile to the location.

## 2. Planned Access Road:

A. Length and width: The new access road will be 12' wide (20' ROW) and approximately 1/4 mile of new road and 1 mile of upgraded ranch 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' to 8' will be moved to the edges 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

ROSWE 1004

#### 4. Location of Existing and/or Proposed Facilities:

If the well proves to be commercial, the necessary production description 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 or piped in from a nearby source.

### 6. Source of Construction Materials:

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. 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 finished and/or completion operations.
- 8. Ancillary Facilities: None required.

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 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 characterized by limestone bluffs with typical arid errosion patterns.
  - B. Soil: The topsoil at the wellsite is sandy loam.
  - C. Flora and Fauna: See the Archaeological Report filed by NMAS, Inc. for a description of vegetative types.
  - D. Ponds and Streams: Salt Creek is 3/4 mile to the north.
  - E. Residences and Other Structures: None

Multi-Point Surface Use and Operation Plan

Page 4

- F. Land Use: Grazing.
- G. Surface Ownership: The wellsite is on Federal surface.
- H. There is no evidence of any major archaeological, historical, or cultural sites in the area. 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 P. O. Box 298 Roswell, New Mexico (505-622-0992) - Office (505-622-0234) - Home

W. R. Miertschin 1000 Vaughn Building Midland, Texas 79701 (915-683-5391) - Office (915-682-6535) - Home

## 13. <u>Certification:</u>

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.

July 22, 1981 DATE

Timo D Hinst

MICHAEL P. HOUSTON OPERATIONS MANAGER







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22 Corn	23	24	- , <del>1</del> 19	20	21
		€ #2 Cindy Fe. 80 € #2 Cindy Fe. 320/640			- u.S.
U.S. M.C. Chombers	M.C.Chambers	Public Lds Expl.	BO U.S.	US. MTS /r Public Lota Expl. 6 1 - 69 LG - 6587	Yotes Pat, stal e + 1 - 53 La 54
9 · [ · 64 22059	9 1. 94 22059		14 - 44-7 0028	18. ccs7 30 38 0029	45 12
27	26	25	- л 30	29	H. Famulard LG 2031 7.9.54
		-80U.S.	t 2/3.2423/ 656.13	. 80 Stair 208/640	'
U.S. M.C.Chambers	U.S. M.C. Chambers	BO U.S. ZOB/640 4 Kotherine Horvey It-150	- BU	Yotes C-1-50	Yurtes 4.6896
9 · 1 · 84 27039	9. 1. 84 12059	11-1-30 LG.8999 KQ 12	33642 71 0082	3914	79 12
34	35	36- F.F. Dovis	<u>,</u> 31	32	33
		open state	7 213.7265 50 1 657.62	State	State
U.S. 41 32 31	U.S. 7 4 2 <sup>1</sup> 2 <sup>1</sup>	J. W. Williams		(13.88 dises 3'39.34 2139.31 - (MTS 2) (D blic 1 de Expl)	13+3- 2139.86 213+35, 2123.37 MTS 1/2 Public Lds. Expl
Public Las Expl 1/2	ANR Prod. 2 · 12-91		11-94-1	4 - 1 - 89 LG - 6693 29 12 Meso Pert. C031	6 - 1 - 59 LG - 6592 35 23 0030
PUDIK LOS.LEVEL 78 9-1-155 25524 3 0198	L6-7430 2	1		*	
			213.7883 20 U.S. 657.81	NED- 5 207. 9415 80 444 2 639.82	80 Stole 639.76
0475		U.S. Public Lds. Expl 5 + 1 + 65	14.34 1 MTS /2 14.34 1 MTS /2 Public Lot Expl. /2 5 1 09 306645	MT5/2 Public Lds.Expl. 6 1 83 LB - 4873	Yotes Pet, etal 6 - 1 - 84 46 - 684 26 51
12 * 1 * 57 * 31320	6 1 - 67 735501 20134	0134	008B	29 19 0031	9
10		12	Tast 5 7	8	
	208/L40	.805 II.S	Telsi T 213.8175 .80 U.S. 65	PETROLE	
<u> </u>	NTS Jz Public Lds Expl.	. 805 U.S. MTS /2 Public LideExpl	11 18 MT552 Public Los Ex TTT 9 - 1 - 89 - SCEAR	PERMIAN BAS	
	sseon DI34	0134	724.77 TI 0086		
15	14	13	721.01 7 18	EXHIBIT IV	
9	208/64	0 . 805 U.S. 208/640		ONE-MILE RADIUS LA PROPOSED CINDY FED	
2 U.S. D.A. Mastorskas	Public Lds Expl.	Public Lite Expl.	ALSE IN MYSYE P Public Line Explos		
12 • 1 • 57 3:526	20828	70318	H ODBB FE	10	AAN BY:

