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# MEXICO OIL CONSERVATION COMMISS

Form C-102 Supersedes C-128 Effective 1-1-65

		All distances must be	from the out	er boundaries o	the Section		······································
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Mesa	Petroleum	Со		Spring F			1
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М	6	6 South	2	6 East		Chaves	<u> </u>
Actual Friendige Loc	ation of Well:			<u>^</u>		ment	
660	feet from the	south line and	4 <u>66</u>	) <u>1</u> •	et from the	west	line
Ground Level Elev.	Producing Fo	mation	Pool				Dedicated Acreage;
3777.4	ABO			DESIGNATED		<del></del>	ALL. 166 Acres
		dedicated to the we					ne plat below. hereof (both as to working
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	ŀ					Position REGUL/	ATORY COORDINATOR
	1						PETROLEUM CO.
	i.					MARCH	16, 1981
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## APPLICATION FOR DRILLING

MESA PETROLEUM CO. SPRING FEDERAL #1 660' FSL & 660' FWL, SEC 6, T6S, R26E CHAVES COUNTY, NEW MEXICO

LEASE NO: NM - 32167

In conjunction with Form 9-331C, Application For Permit to Drill subject well, the following additional information is provided:

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

SEVEN RIVERS	SURFACE
SAN ANDRES	630'
GLORIETTA	1540'
TUBB	3045'
	3690'
ABO	4370'
HUECO	4370

- 3. Hydrocarbon bearing strata may occur in the Abo formation. No fresh water is expected to be encountered below 800'.
- 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 13 3/8" casing will be set at approximately 800' 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 to 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.

MULTI-POINT SURFACE USE AND OPERATION PLAN

MESA PETROLEUM CO. SPRING FEDERAL #1 660' FSL & 660' FWL, SEC 6, T6S, R26E CHAVES COUNTY, NEW MEXICO

LEASE NO: NM - 32167

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 approximately 40 miles north of Roswell, New Mexico.
  - B. Directions: Travel north of Roswell on US Highway 285 to mile marker 139, turn east on county road for 8 miles then northeast one mile, turn east on Yates Pipeline road for 4 miles then northwest 1/2 mile to the location.
- 2. Planned Access Road
  - A. Length and width: The new access road will be 12' wide (16' ROW) and approximately 3000' of new road & 200' of upgraded ranch road on private surface and 600' of new road on Federal surface.

(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 required.
- D. Cut and Fill: Location is essentially flat.
- 3. Location of Existing Wells

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

4. Location of Existing and/or Proposed Facilities

If the well proves to be commercial, the necessary production facilitie gas separation-process equipment and tank battery, will be installed on the drilling pad. Multi-Point Surface Use and Operation Plan

Page 2

## 5. Location and Type of Water Supply

It is planned to drill the proposed well with air. If water is needed, it will be obtained from commercial sources and will be trucked to the wellsite over the existing roads and the proposed access road shown on Exhibits I and II or piped in by temporary line from a nearby source.

## 6. Source of Construction Materials

Caliche for surfacing the road and the wellsite pad will be obtained by the dirt contractor from the Federal Government or private sources. Top soil from the location will be 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. Probable pit is located: SE/4 Sec 22, T5S, R24E, Chaves County, New Mexico.

# 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.

#### 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 are 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.

Multi-Point Surface Use and Operation Plan

### Page 3

- 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 west.
  - 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 miscellaneous desert growth. Wildlife in the area probably includes those typical of semi-arid desert land. The area is used for grazing.
  - D. Ponds and Streams: Pecos River is approximately 2 miles to the west and the Alkalai Draw is approximately 3/4 mile to the northwest.
  - E. Residences and Other Structures: There are no residences or other structures in the vicinity of the proposed well.
  - F. Land Use: Grazing.
  - G. Surface Ownership: The wellsite is on Federal surface.
  - H. There is no evidence of any major archaeological, histroical, or cultural sites in the area. NMAS, Inc. has conducted an archaeological study of this site and provides this report to interested parties.

Multi-Point Surface Use and Operation 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. Wootten	C. C. Wheeler
P. O. Box 1756	1000 Vaughn Building
Hobbs, New Mexico 88240	Midland, Texas 79701
(505-393-4425) - Office	(915-683-5391) - Office
(505-393-6033) - Home	(915-683-6123) - 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.

> March 16, 1981\_\_\_\_ DATE

Muchael P. Houston

Michael P. Houston Operations Manager







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March 27, 1981

USGS P O DRAWER 1857 Roswell, New Mexico 88201



Gentlemen:

Subject: Mesa Petroleum Co. Spring Federal #1 660' FSL & 660' FWL Sec 6, T6S, R26E Chaves County, New Mexico

Please find attached amended Exhibit II reflecting the revised proposed access road to subject well. The BLM advises that this route utilizes a county listed road thus obviating the necesstiy for using the "private" road marked in yellow on the exhibit.

Thank you,

R.E.M.

R. E. Mathis Regulatory Coordinator Permian Basin Division Midland, Texas

/pm

XC: USGS (6), TLS, ROSWELL, MEC, LAND, FILE, NMAS, BLM

