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BIGNED	TITLE REGULATORY COORDINATOR	DATE 8-14-81
(This space for Federal or far of ())	RGE H. STEWARI APPROVAL DATE	Posted ID- the
APPROVED BY AUG 21 CONDITIONS OF APPROVAL, EGANY :	1981	DATE
JAMES A. G DISTRICT SUF	*See Instructions On Reverse Side	

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*See Instructions On Reverse Side

NL MEXICO OIL CONSERVATION COMMISS. WELL LOCATION AND ACREAGE DEDICATION PLAT

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

		All distances must be	from the outer boundaries of	the Section	
Operator MESA	PETROLEUM CON	1PANY	CHINA FEI	DERAL	Well No. 3
''nit Letter E	Section 17	Township 7 South	Ronge 23 East	County Chaves	
Actual Footage Loce 1850		North line and	, 660 te	West	line
Ground Level Elev. 4041.5	Producing Fo ABO	rmation	Pool UNDESIGNATED	abo-	Dedicated Acreate: NW/4 160 Acres
2. If more th interest an	an one lease is id royalty).	dedicated to the we		ntify the ownership t	he plat below, hereof (both as to working
dated by co Yes If answer i this form if No allowab	ommunitization, No If a s "no," list the necessary.) le will be assign	unitization, force-poo nswer is "yes," type owners and tract des 	ling. etc? of consolidation criptions which have a ll interests have been	ctually been consolid	all owners been consoli- ated. (Use reverse side of munitization, unitization,
forced-pool sion.	ing, or otherwise) or until a non-standa	rd unit, eliminating suc	h interests, has been	approved by the Commis- CERTIFICATION
M E	E S A ET AL IM 36648	· · · · · · · · · · · · · · · · · · ·	 	tained he	certify that the information con- rein is true and complete to the y knowledge and belief. 2. Mathematica MATHIS
- - -				Fosition REGULA Company	ATORY COORDINATOR
			GINEER GUARD	shown on notes of under my is true a	certify that the well location this plat was plotted from field actual surveys made by me or supervision, and that the same nd correct to the best of my and belief.
		REG	676	Date Survey Registered F and or 1 and Certificate F	7/02/81 Professional Engineer Surveyor
0 330 660 1	0 1320 1850 191	0 2310 2640 200	0 1500 1000 B	0	PATRICK A. ROMERO 6662 Ronald J. Eidson 3239

MESA PETROLEUM CO CHINA FEDERAL #3 1850' FNL & 660' FWL, Sec 17, T7S, R23E CHAVES COUNTY, NEW MEXICO LEASE NO NM-36648

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</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> <u>Survey of September 1</u>, 1980 will be adhered to.
- 2. Geological markers are estimated as follows:

San Andres	Surface
Glorieta	576
Yeso	754
Tubb	2102
Abo	2737

- 3. Hydrocarbon bearing strata may occur in the ABO formation(s). No fresh water is expected to be encountered below 1000'.
- 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 8 5/8" casing will be set at approximately 1500' 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.

MESA PETROLEUM CO CHINA FEDERAL #3 1850' FNL & 660' FWL, Sec 17, T7S, R23E CHAVES COUNTY, NEW MEXICO

OIL & GAS U.S. GEOLOGICAL SURVEY ROSWELL, 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 I is a portion of a highway map showing the location of the proposed well as staked. The proposed well is approxmately 24 miles north of Roswell, New Mexico.
- B. Directions: Travel north from Roswell on US Highway 285 to mile marker 132 and turn west thru cattleguard. Continue west 3 miles to ranch house, turn south along the Macho Draw for limile, cross and continue westerly for 6/10 mile to the location.
- 2. Planned Access Road:
 - A. Length and width: The new access road will be 12' wide (20' ROW) and approximately 20' in length.

(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.

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 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: Unknow N.

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: See NMAS, Inc Archaeological Report
 - 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: Arroyo del Macho is 1/4 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 private surface (Bronson Corn).
- 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. 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.

MICHAEL P. HOUSTON OPERATIONS MANAGER







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Beyond Edge of Derrick Floor

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Choke Manifold

To Mud Ditch

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4"x4"x2"x2"Cross

3,000 PSI WORKING PRESSURE KILL, CHOKE, AND FILL CONNECTIONS

DETAIL OF 4" FLOW LINE CHOKE ASSEMBLY

Minlmum assembly for 3,000 PS1 working pressure will consist of three preventers. The bottom and middle preventers may be Cameron.

NOTE: HYDRIL not installed on shallow-low pressure wells. RAM type BOPs are API 10" X 3000 PSI

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3,000 PSI WORKING PRESSURE BLOW-OUT PREVENTER HOOK-UP

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