Form 9-331 C (May 1963)

(This space for Federal or State office use)

CONDITIONS OF APPROVAL, IF ANY :

Com the selection of the party

PERMIT NO. _

APPROVED BY _

MM OIL COMMISSIO.

Drawer DD SUBMIT IN ARIPLICATE.

UNITED STATES. MM 88210 (Other Instructions on reverse side)

31 -

Form approved	λl
udget Bureau	No. 42-R1425
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8/29/89

	DEPARTMENT	OF THE	INTER	RIOR		5. LEASE DESIGNATIO	N AND SERIAL NO.
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AREA MANAGER

CAPLESAD RESOURCE AREA

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

<u>DISTRICT I</u> P.O. Box 1980, Hobbs, NM 88240

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

ntor			L	0.00		Well No.	
Marbob	Energy Co	rporation		Foster Edd	ly		
Letter Se	ction	Township	R	mge	-	County	
J	17	17 So	uth	31 East	NMPM	Eddy	<u> </u>
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SUPPLEMENTAL DRILLING DATA

MARBOB ENERGY CORPORATION
WELL #11 FOSTER EDDY FEDERAL
NW/4 SE/4 SEC. 17-17S-31E
EDDY COUNTY, NEW MEXICO
(DEVELOPMENT WELL)

- 1. SÚŔFACE FORMATIÓN: Quaternary.
- 2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Salt	450 '	Queen	2430 '
Base Salt	1100'	Grayburg	2804'
Seven Rivers	1340'	San Andres	3134'

3. ANTICIPATED POROSITY ZONES:

Water Above 180' Oil 2950' - 6000'

4. CASING DESIGN:

SIZE	INTERVAL	WEIGHT	GRADE	JOINT	CONDITION
	0-450'	24.0#	K-55	STC	New
	0-6000'	17.0#	K-55	STC	New

- 5. SURFACE CONTROL EQUIPMENT: A double ram-type or annular BOP will be used. (See diagram attached as Exhibit "E")
- 6. CIRCULATING MEDIUM:
 - 0 450' Fresh water mud with gel or lime as needed for viscosity control.
 - 450'- 6000' Salt water mud, conditioned as necessary for control of viscosity and water loss or gain.
- 7. AUXILIARY EQUIPMENT: Drill string safety valve.
- 8. LOGGING PROGRÂM: CNL-FDC W/GR Log will be run to TD.
- 9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: A water flow may be encountered in the salt section.
- 10. ANTICIPATED STARTING DATE: It is planned that operations will commence about October 1, 1989. Duration of drilling, testing and completion operations should be one to four weeks.

SURFACE USE PLAN

A REPORT OF THE PROPERTY OF THE PROPERTY OF THE PARTY OF

FOR

DRILLING, COMPLETION AND PRODUCTION

MARBOB ENERGY CORPORATION WELL #11 FOSTER EDDY FEDERAL 1650' FSL & 2160' FEL SEC. 17-17S-31E EDDY COUNTY, NEW MEXICO (DEVELOPMENT WELL)

This plan is submitted with the application for permit to drill the above described well. The purpose of the plan is to describe the location of the proposed development well, the proposed construction activities and operations plan, the magnitude of surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental affects associated with the operation.

LOCATED:

Approximate 28 air miles east of Artesia,

New Mexico.

FÉDÉRAL LEASÉ NÚMBÉR: LC 049998 (A)

LEASE ISSUED:

June 1, 1968

RECORD LÉSSEÉ:

Marbob Energy Corporation

OPERATOR'S AUTHORITY: Operating rights owned by Marbob Energy

Corporation.

BOND COVERAGE:

Lessees \$150,000 nation-wide bond.

ÁCRÉS ÎN LÊÂSE:

280 acres

SURFACE OWNERSHIP:

Bureau of Land Management

PÓÔL:

Grayburg-Jackson, SR, Q, Gb, SA

(40-acre spacing)

EXHIBITS:

Portion of Lea County Map Α.

Oil & Gas Map В.

Road Map & Wells in vicinity of

Proposed Drillsite

D. Sketch of Well Pad

E. Sketch of BOP

7. WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the drilling pits.
- B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
- C. Water produced during tests will be disposed of in the pits.
- D. Oil produced during tests will be produced into temporary test tanks.
- E. Trash, waste paper, garbage, and junk will be buried in a trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind. Location of the trash pit is shown on Exhibit "D".
- F. All trash and debris will be buried or removed from the wellsite within 45 days after finishing each drilling and/or completion operation.
- 8. ANCILLARY FACILITIES: None anticipated.
- 9. WELLSITÉ LAYOUT: Refer to Exhibit "D" for direction orientation and access.
 - A. The wellsite has been surveyed and an area has been staked and flagged.
 - B. The dimensions and relative location of the drill pad and pit with respect to the well bore are shown on Exhibit "D".
 - C. The location is nearly level.
 - D. The well pad will be surfaced with caliche.

10. RESTORATION OF 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 the location cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing a condition as possible.

- B. Any unguarded pits containing fluids will be fenced until they are covered with soil.
- C. After abandonment, all equipment, trash and junk will be removed and the location cleaned. Any special rehabilitation and/or special revegetation requirements of the BLM will be complied with and accomplished as expeditiously as possible.

11. ÔTHER INFORMATION:

- A. Topography: The undisturbed wellsite is at an elevation of 3697.2 feet. The terrain of the area surrounding the location is relatively flat. Regional slope is to the southwest toward the Pecos River.
- B. Soil: Top soil at the wellsite is sand.
- C. Land Use & Type: The vicinity surrounding the drillsite is semiarid rangeland and its primary use is for production of oil and gas.
- D. Flora: Flora in the vicinity surrounding the drillsite is sparse. It consists primarily of javalina, saltbush, broomweed and mesquite.
- E. Fauna: No wildlife was observed, however fauna for this type of habitat normally consists of lizards, snakes, rabbits, rodents, coyotes, skunks, quail, dove, and other small birds.
- F. Ponds & Streams: None.
- G. Water Wells: The nearest known water well is over $\frac{4 \text{ miles to the Southwest.}}{4 \text{ miles to the Southwest.}}$
- H. Residences & Other Structures: There are no occupied dwellings within one (1) mile of the proposed drillsite.
- Archaeological, Historical & Cultural Sites: An archaeological survey has been conducted by the Pecos Archeological Consultants and a formal report has been or will be furnished directly to BLM upon its completion.

12. OPERATOR'S REPRESENTATIVE: Representatives responsible for assuring compliance with the approved Surface Use Plan:

Mack Chase or John R. Gray P. O. Drawer 217 Artesia, New Mexico 88210 Phone 505-748-3303

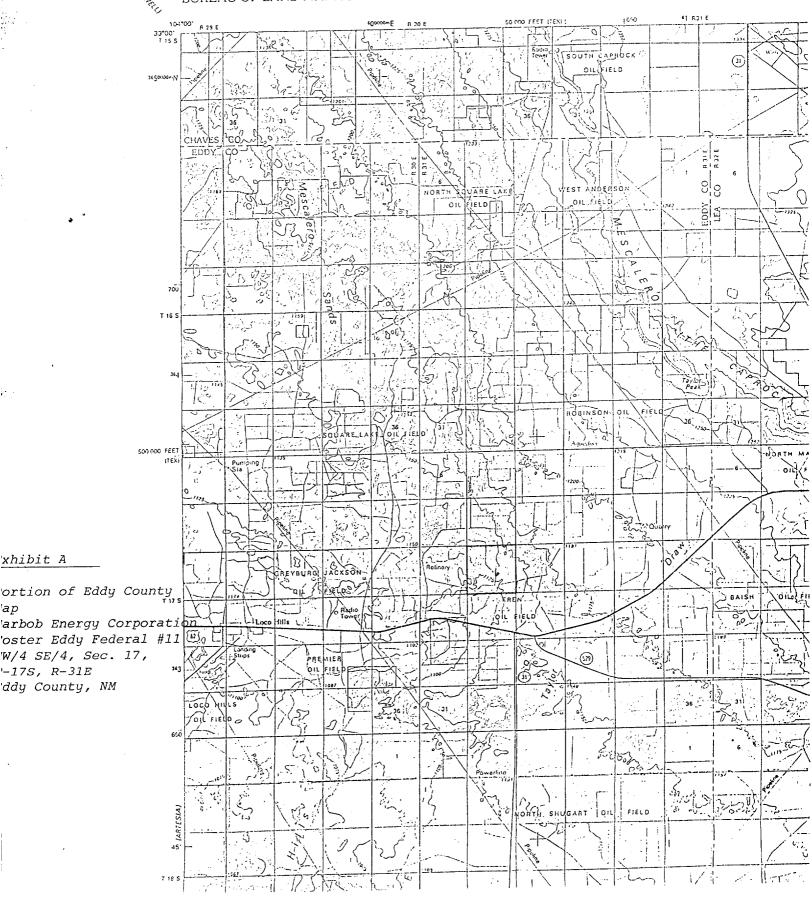
13. CÉRTIFICATION:

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 MARBOB ENERGY CORPORATION and its sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

8/30/89 Date

President
MARBOB ENERGY CORPORATION

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT





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PIPE RECOVERY

24 HOUR SERVICE

746-2753

2 Miles South Of Artesia On The Carlsbad Hwy. Rt. 1. Box 182 Artesia, N.M. 88210

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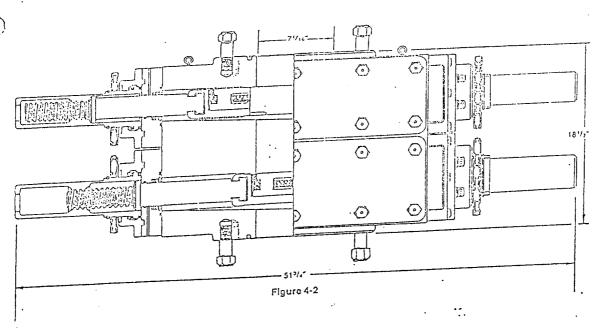
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LEGEND

1cm = 20 ft.

SUP Exhibit "D"

SKETCH OF PROPOSED WELL PAD MAKBOB EXERGY CORPORATION FOSTER EDEN FEDERAL NO. 11 NEWSELM, SER. 17, 7-175, R-316 EDDY County, NEW MEXICO



DIMENSIONS AND WEIGHTS

D1	IVI	Manual
	(anda)	1,272
	Single (pounds)	2,335
Weight	Double (pounds)	10
	Single (inches)	181/2
Overall height, less stud	Double (inches)	513/4
Overall length (inches)	201/4	
Overall width, less hand	71/16	
Opening through preven	nter (inches)	3,000
Working pressure (psi)		6,000
Test pressure (psi)		20
Handwheel diameter (ir	nches)	R-45
Ring joint gasket API nu	ımber	SUP Exhibit "E"

*Marbob Energy Corporation Foster Eddy Federal #112 NW/4 SE/4, SEG-17, T-17S, R-31E Eddy County, New Mexico