CONDITIONS OF APPROVAL, IF ANY:

ME OIL CIVE. COMMISSION

SUBMIT IN ARIPLICATE* (Other instructions on reverse side)

DATE 11-3 89

Form approved	(M
Budget Bureau	42-R1425

Artosia MI SUNITED STATES

Artosia MI SUNITED STATES

DEPARTMENT OF THE INTERIOR

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OR APPLIED FOR, ON	THIS LEASE, FT.	330 	<u> </u>	6000 '		Rotai			
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AREA MANAGER

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

DISTRICT I P.O. Box 1980, Hobbs, NM 88240 OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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

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

Operator				Lease			Well No.
Marl	oob Energy C	Corp.		Foster Ed	ldy		7
Unit Letter	Section	Township		Range		County	<u> </u>
В	17	17 South		31 East	NMPM	Edd	y
Actual Footage Loca	tion of Well:			· · · · · · · · · · · · · · · · · · ·			
1650	ion Home and	last	line and	330	feet from the	Nor	th line
Ground level Elev.	Producin	g Formation		Pool			Dedicated Acreage:
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SUPPLEMENTAL DRILLING DATA

MARBOB ENERGY CORPORATION
WELL #7 FOSTER EDDY FEDERAL
NW/4 NE/4 SEC. 17-17S-31E
EDDY COUNTY, NEW MEXICO
(DEVELOPMENT WELL)

- 1. SÚRFACE FORMATIÔN: 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. CÄSÍNG DÉSIGN:

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. LÔGGÍNG PRÔGRÁM: 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 September 14, 1989. Duration of drilling, testing and completion operations should be one to four weeks.

SURFACE USE PLAN

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DRILLING, COMPLETION AND PRODUCTION

MARBOB ENERGY CORPORATION
WELL #7 FOSTER EDDY FEDERAL
1650' FEL & 330' FNL 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: 28 air miles east of Artesia, New Mexico.

FÉDÉRAL LEASE NÚMBÉR: LC 049998 (A)

LEASE ISSUED: June 1, 1968

ŘĚČÓŘĎ ĽĚŠŠĚÉ: Marbob Energy Corporation

OPERATOR'S AUTHORITY: Operating rights owned by Marbob Energy

Corporation.

BOND COVERAGE: Lessees \$150,000 nation-wide bond.

<u>ÁCRES IN LEASE:</u> 280 acres

SURFACE OWNERSHIP: Bureau of Land Management

Grayburg-Jackson, SR, Q, Gb, SA (40-acre spacing)

EXHIBITS: A. Portion of Eddy County Map

B. Oil & Gas Map

C. Road Map & Wells in vicinity of Proposed Drillsite

D. Sketch of Well Pad

E. Sketch of BOP

THÍRTEÉN POINT PRÓGRAM

- 1. EXISTING ROADS: From Artesia go approximately 28.4 miles east on Federal Highway US-82. (This point is approximately 5.4 miles east of Loco Hills, New Mexico). From this starting point turn left (North) on dirt road and proceed in a northerly direction for 1.6 miles. Next turn left and proceed northwest for a distance of .6 miles. Then turn right and proceed in an easterly direction for a distance of .2 miles. At this point the proposed new road begins. Turn left and proceed in a northeasterly direction to drillsite.
- 2. PROPOSED NEW ROAD: The new road will run from the existing road west to the drillsite, a distance of approximately 200 feet.
- 3. LOCATION OF EXISTING WELLS: The nearest production to the proposed well is the Foster Eddy Federal #5 located southwest of the proposed drillsite. This well and all existing wells in the vicinity of the proposed drillsite are shown on Exhibits "B" and "C".
- 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:
 - A. This is a producing lease and central tank battery is located in the NW/4 SE/4 of Section 17-17S-31E.
 - B. If the well is productive, flowline will be laid along the proposed and existing roadbeds to the battery.
 - C. There are electric powerlines on the lease, the closest pole being located approximately 200 feet southwest of the well location. The proposed electric powerline would be approximately 150 feet in length and run from the above referenced pole to a pole in the Southwest corner of the well pad, which will have to be inserted.
- 5. WATER SUPPLY: It is not planned to drill a water supply well. Water for leasehold operations will be purchased from a commercial water hauler.
- 6. CONSTRUCTION MATERIALS: Material for construction of the proposed new road and well pad will be obtained from an existing approved caliche pit located on state land in the NE1/4 SW1/4 of Section 16-17S-31E.

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. WÉLLSITÉ LÁYOUT: 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 but contains several sand dunes which will need to be leveled.
 - D. The well pad will be surfaced with caliche.

10. RÉSTORATION 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. OTHER INFÓRMÁTIÓN:

- A. Topography: The undisturbed wellsite is at an elevation of 3749.0 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. <u>Fauna</u>: 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.
- I. 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. CÉRTÍFICATION:

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/n/89 Date

Mack C. Chase, President MARBOB ENERGY CORPORATION **(1)**



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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UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Portion of Oil and Gas Production Map Marbob Energy Corporation Foster Eddy Federal #7 NW/4 NE/4, Sec.17, T-17S,R31E

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703527 MCC13"37 704928-48-50 / H.E.Yotes Primer 121-168 /4E.Yotes	H.E Yotes OFOIS SINGULAR SINGU	HBP 015470	Road Map and Wells in Vicinity of Well Site Marbob Energy Corporati Foster Eddy Federal #7
Fing ish & Harmon of Stagner	HE Yotes Power Deep-st Internorth"2, HE Yates 1/2 Horsell 16:4139	POWER 33 GRAYBURG FED UNIT EASTLAND OIL	NW/4 NE/4, Sec.17, T-17S, R-31E Eddy County, New Mexico
10 375; 13 53 7 Eostiand Oil Allied Chem) Fostiand Oil Allied Chem) 2 1 73 4111ed Fed 033470? 41 70 3564, 033470?	Eastland Allico ft	(OPER)	
Factional is factional con-	31. 17. 132. 803 18. 2. 21 17. 23. 25. 1	10 01 10 01 10 01 10 01	厂 预制。************************************

LEGEND

1cm = 20 ft.

SUP Exhibit "D"

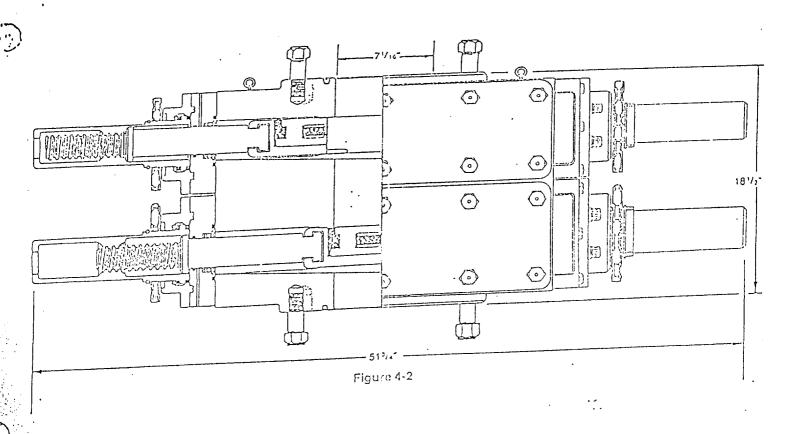
SKETCH OF PROPOSED WELL PAD

Marbob Energy Corporation

Foster Eddy Federal No. 7

NW/4 NE/4, Sec.17, T-17S, R-31E

Eddy County, New Mexico



DIMENSIONS AND WEIGHTS

		Manual
	- Liverage)	1,272
	Single (pounds)	2,335
Weight	Double (pounds)	10
Overall height, less studs	Single (inches)	181/2
Overall height 1000 c.s.	Double (inches)	51 ³ / ₄
Overall length (inches)	-	201/4
Overall width, less handwheel	(inches)	71/16
Opening through preventer (in	iches)	3,000
Working pressure (psi)		6,000
Test pressure (psi)	20	
Handwheel diameter (inches)		R-45
Ring joint gasket API number		

BOP Marbob Energy Corporation Foster Eddy Federal No. 7 NW/4 NE/4, Sec. 17, T-17S, R-31E Eddy County, New Mexico