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Marbob Ene	rgy Corporation		JAN 11 '90	Foster Eddy
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P.O. Drawe	er 217, Artesia, Ne Report location clearly and in	eccordance with any State re	quirements.	10. FIELD AND POOL, OR WILDCAT
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REPAIR WELL	CHANGE PLANS		(Norz: Report res	sults of multiple completion on Well completion Report and Log form.)
(Other)	R COMPLETED OFERATIONS (C)cu	rly state all pertinent details	and give pertinent da	ates, including estimated date of starting any rtical depths for all markers and zones perti-
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SIGNED A	nan / mass	TITLE		
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SUBMIT ... TRIPLICATE*

Form approved, Budget Bureau No. 42-R1425.

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GEOLOGICAL SURVEY 83210	LC-049998(A)
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK	G. IF INDIAN, ALLOTTEE OR TRIBE NAME
DRILL X DEEPEN DEEPEN PLUG BACK	7. UNIT AGREEMENT NAME
b. TYPE OF WELL  OIL Y GAS ZONE ZONE ZONE	S. FARM OR LEASE NAME
OIL WELL OTHER ZONE ZONE L	Foster Eddy
	9. WELL NO.
Marbob Energy Corporation	9
P.O. Drawer 217, Artesia, NM 88210	10. FIELD AND POOL, OR WILDCAT
P.O. DIAWET 217, ALLESTA, INT. 00210.  LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)  At surface	Grbg Jackson SR Q Grbg
2310 FSL 1650 FEL At proposed prod. zone same	Sec. 17-T17S-R31E
4. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE.	12. COUNTY OR PARISH   13. STATE
28 air miles east of Artesia, NM	Eddy NM
1 16. NO. OF ACRES IN LEASE   17. NO.	OF ACRES ASSIGNED THIS WELL
(Also to nearest drig, unit line, it this)	0
8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED,	TARY OR CABLE TOOLS
OR APPLIED FOR, ON THIS LEASE, FT.   6000   ROT	22. APPROX. DATE WORK WILL START*
1. ELEVATIONS (Show whether DF, RT, GR, etc.)	10/1/89
3708.5' GR	10/1/89
3. PROPOSED CASING AND CEMENTING PROGRAM	
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Attached are: 1. Location $lpha$ dedication plat	
2. Supplemental drilling data	
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3. Surface Use Plan	
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3. Surface Use Plan	

preventer program, if any

Production Clerk

APPROVAL DATE .

(This space for Federal or State office use)

PERMIT NO. __

Only, Signed by Sier and L. Manus APPROVED BY _

AREA MANAGER

TITLE _ CARLSTAD KESOHRON

DATE 1-10-90

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate District Office State Lease - 4 copies Foe 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

AUG 2 3 1989

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

DISTRICT I 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

Operator				Lease				Well No.	
Marb	ob Ene	rgy Corporation	ı	Fost	er Eddy			9 .	
Unit Letter	Section	Township		Range			County		
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Actual Footage Loca				<del></del>					
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Ground level Elev.	ion ion	Producing Formation		Pool				Dedicated Acre	age:
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#### SUPPLEMENTAL DRILLING DATA

MARBOB ENERGY CORPORATION
WELL #9 FOSTER EDDY FEDERAL
NW/4 SE/4 SEC. 17-17S-31E
EDDY COUNTY, NEW MEXICO
(DEVELOPMENT WELL)

- 1. SÚRFACE FÓRMÁTÍON: Quaternary.
- 2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Salt	450 <b>'</b>	Queen	2430'
Base Salt	1100'	Grayburg	2804'
Seven Rivers	1340'	San Andres	3134'

#### 3. ANTICIPATED POROSITY ZONES:

Water Above 180' Oil 2950' - 6000'

#### 4. CÁSIÑG DÉSIĞN:

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

- 5. SÚRFÁCÉ CONTROL ÉQUIPMENT: 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. LÖGGÍNG PROGRAM: 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

#### FOR

#### DRILLING, COMPLETION AND PRODUCTION

MARBOB ENERGY CORPORATION WELL # 9 FOSTER EDDY FEDERAL 1650' FEL & 2310' FSL 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 LEASE NUMBÉR: LC 049998 (A)

LEASE ISSUED:

June 1, 1968

RECORD LESSEE:

Marbob Energy Corporation

OPERATOR'S AUTHORITY: Operating rights owned by Marbob Energy

Corporation.

BOND COVERAGE:

Lessees \$150,000 nation-wide bond.

ÁCRÉS IN LEÁSE:

280 acres

SURFACE OWNERSHIP:

Bureau of Land Management

POOL:

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

#### THÍRTÉEN POÍNT PROGRÀM

- 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) and proceed in a northerly direction for a distance of 1.2 miles. Next turn right and proceed east for a distance of .1 miles. At this point the wellpad should be on your left.
- 2. PROPOSED NEW ROAD: No new roads are necessary since the existing road is adjacent to the drillsite.
- 3. LOCATION OF EXISTING WELLS: The nearest production to the proposed well is the Westall #7 well 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 250 feet southwest of the well location. The proposed electric powerline would be approximately 200 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 NEI/4 SWI/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. WELLSITE 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 revecetation requirements of the BLM will be complied with and accomplished as expeditiously as possible.

#### 11. OTHER INFORMATION:

- A. Topography: The undisturbed wellsite is at an elevation of 3708.5 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

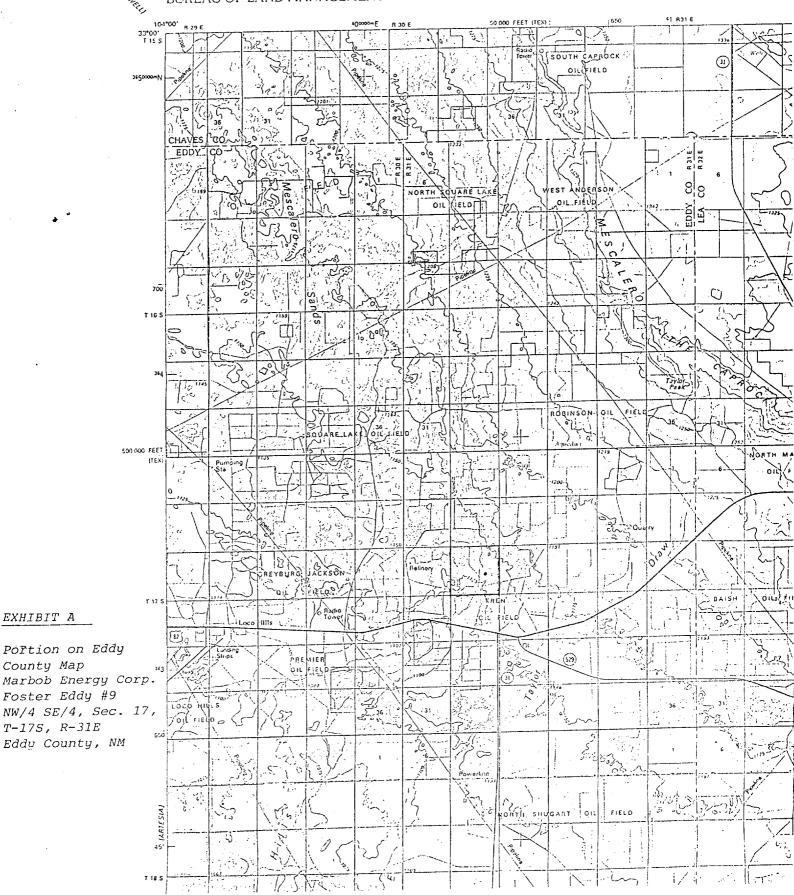
13. CÉRTÍFICATION:

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.

8/36/89 Date

> Président MARBOB ENERGY CORPORATION

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT





PIPE RECOVERY

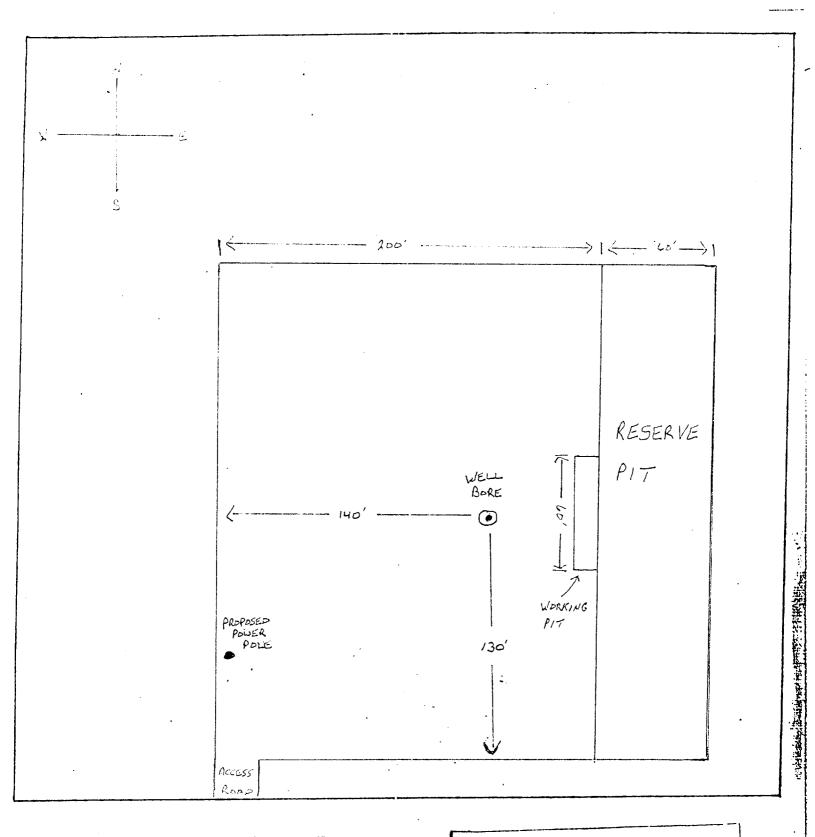
24 HOUR SERVICE

746-2753

2 Miles South Of Artesia On The Carlsbad Hwy. Artesia, N.M. 88210

Rt. 1, Box 182  Rt. 1, Box 182  Artesia, N.M. 882  R31E  R30E  R31E  R31	10
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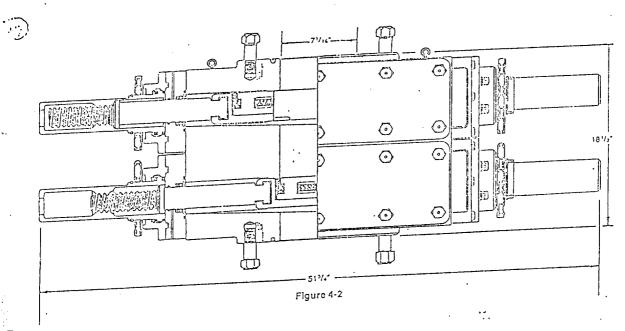


LEGEND

1cm = 20 ft.

SUP Exhibit "D"

SKETCH OF PROPOSED WELL PAD MARGOG EMERGY CORPORATION FOSTER EDDY FEDERAL NO. 9 SE'Y NEWY, SEC. 17, 7-175, R-316 EDDY COUNTY MEN MEXICO



## DIMENSIONS AND WEIGHTS

		Manual
	- /2)	1,272
	Single (pounds)	2,335
Weight	Double (pounds)	10
Overall height, less studs	Single (inches)	181/2
Overall neight, 1666 5td	Double (inches)	513/4
Overall length (inches)	201/4	
Overall width, less handwh	71/16	
Opening through preventer	3,000	
Working pressure (psi)	6,000	
Test pressure (psi)	20	
Handwheel diameter (inch	R-45	
Ring joint gasket API numb	per	SUP Exhibit "E"

Marbob Energy Corporation Foster Eddy Federal #9 NW/4 SE/4 SFC 17 NW/4 SE/4, SEc. 17, T-175, R-31E Eddy County, New Mexico