

N. M. Oil Cons. Division
811 S. 1ST ST.

Form 3160-3
(July 1992)

ARTESIA, NM 88210-6634
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

MARBOB ENERGY CORPORATION

14049

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 227, ARTESIA, NM 88210 505-748-3303

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface 900 FSL 330 FEL

At proposed prod. zone

SAME

Unit P

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

EAST OF ARTESIA ON US 82 APPX 20.2 MILES

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)

330'

16. NO. OF ACRES IN LEASE

600

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

4500'

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3573' GR

22. APPROX. DATE WORK WILL START*

10/03/99

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE

GRADE, SIZE OF CASING

WEIGHT PER FOOT

SETTING DEPTH

QUANTITY OF CEMENT

12 1/4"

J-55, 8 5/8"

24#

375'

WITNESS

7 7/8"

J-55, 5 1/2"

17#

4500'

SUFFICIENT TO COVER 200' ABOVE ALL
KNOWN OIL & GAS HORIZONS

PAY ZONE WILL BE SELECTIVELY STIMULATED AND PERFORATED AS NEEDED FOR OPTIMUM PRODUCTION

ATTACHED ARE: 1. WELL LOCATION AND ACREAGE DEDICATION PLAT
2. SUPPLEMENTAL DRILLING DATA
3. SURFACE USE PLAN

Post ID-1
10-22-99
APF & hcc

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

IN ABOVE SPACE DESCRIBE PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Robin Cockrum

TITLE PRODUCTION ANALYST

DATE 09/02/99

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

/S/ Larry D. Bray

TITLE

Land &
Acting ADM. MINERALS

DATE

OCT 15 1999

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



P.O. Box 1980, Hobbs, NM 88241-1980

Energy, Minerals and Natural Resources Department

Fee Lease - 3 Copies

P.O. Drawer DD, Artesia, NM 88211-0719

1000 Rio Brazos Rd., Aztec, NM 87410

P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code 28509	Pool Name GRBG JACKSON SR Q GRBG SA
Property Code 6504	Property Name M. DODD "A" FEDERAL		Well Number 48
OGRID No. 14049	Operator Name MARBOB ENERGY CORPORATION		Elevation 3573

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	22	17 S	29 E		900	SOUTH	330	EAST	EDDY

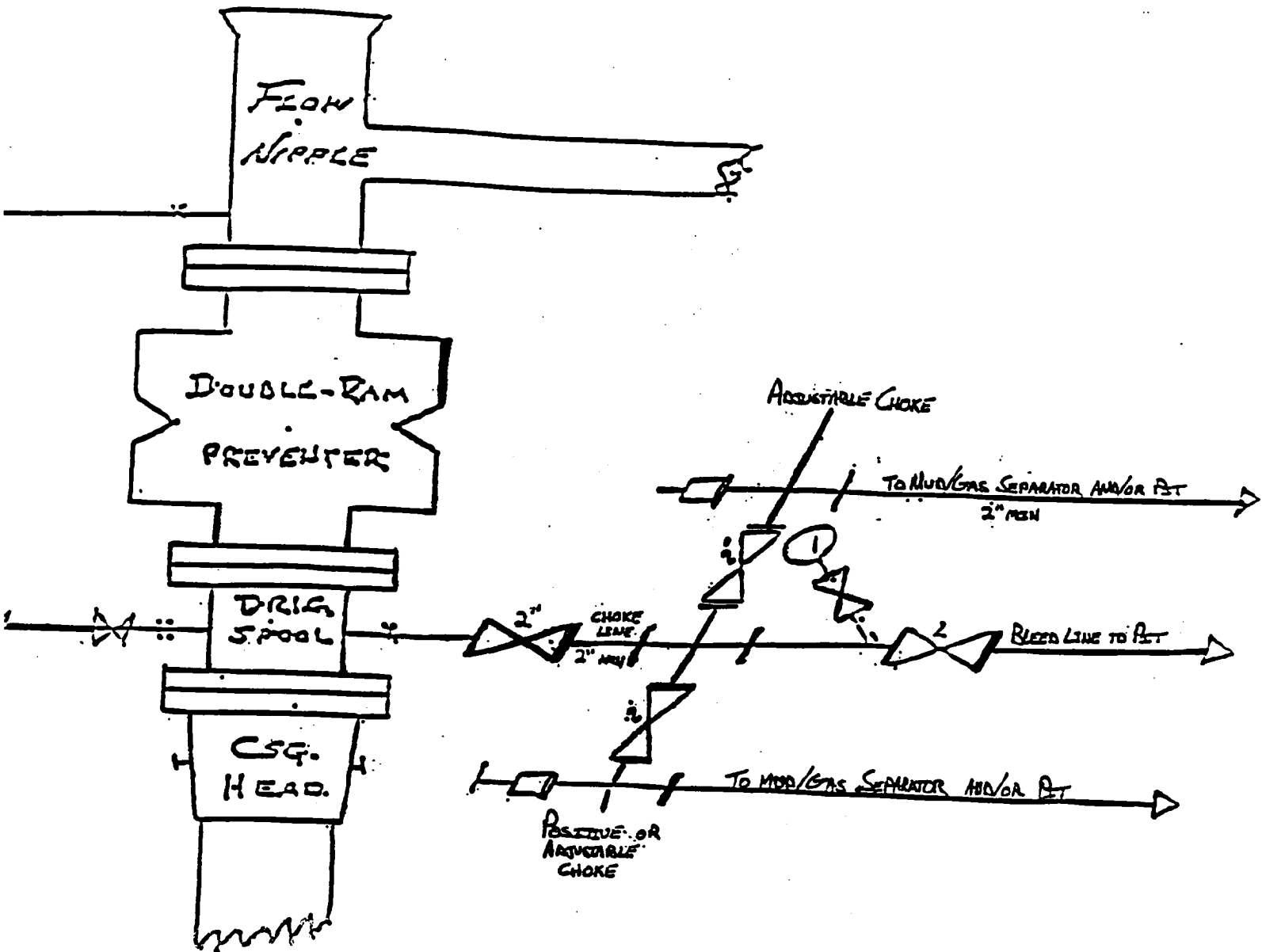
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code		Order No.					

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p align="center">OPERATOR CERTIFICATION</p> <p><i>I hereby certify the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <hr/> <p align="right"><i>Robin Cockrum</i></p> <p>Signature _____</p> <p align="center">ROBIN COCKRUM</p> <hr/> <p>Printed Name _____</p> <p align="center">PRODUCTION ANALYST</p> <hr/> <p>Title _____</p> <p align="center">9/2/99</p> <hr/> <p>Date _____</p>												
	<p align="center">SURVEYOR CERTIFICATION</p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p align="center">AUGUST 11, 1999</p> <hr/> <p>Date Surveyed _____</p> <p>Signature & Seal of Professional Surveyor _____</p> <p align="right">DMCC</p> <hr/> <p align="center"> </p> <hr/> <table style="width: 100%;"> <tr> <th>Certificate No.</th> <th>NAME</th> <th>NO.</th> </tr> <tr> <td></td> <td>RONALD J. EIDSON</td> <td>3239</td> </tr> <tr> <td></td> <td>GARY EIDSON</td> <td>12641</td> </tr> <tr> <td></td> <td>MACON McDONALD</td> <td>12185</td> </tr> </table>	Certificate No.	NAME	NO.		RONALD J. EIDSON	3239		GARY EIDSON	12641		MACON McDONALD	12185
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BL W OUT PREVENTER AND CHOKE MANIFOLD



10"/900 Cameron SS Space Saver
3000# Working Pressure
3000# Working Pressure Choke Manifold

Mary Dodd "A" Federal No. 48
900' FSL & 330' FEL
Section 22; T17s - R29e
Eddy County, New Mexico

Attachment to Exhibit #1
NOTES REGARDING THE BLOWOUT PREVENTERS

1. Drilling nipple to be so constructed that it can be removed without use of a welder through rotary table opening, with minimum I.D. equal to preventer bore.
2. Wear ring to be properly installed in head.
3. Blow out preventer and all fittings must be in good condition, 3000 psi W.P. minimum.
4. All fittings to be flanged.
5. Safety valve must be available on rig floor at all times with proper connections, valve to be full bore 3000 psi W.P. minimum.
6. All choke and fill lines to be securely anchored, especially ends of choke lines.
7. Equipment through which bit must pass shall be at least as large as the diameter of the casing being drilled through.
8. Kelly cock on kelly.
9. Extension wrenches and hand wheels to be properly installed.
10. Blow out preventer control to be located as close to driller's position as feasible.
11. Blow out preventer closing equipment to include minimum 40 gallon accumulator, two independent sources of pump power on each closing unit installation, and meet all API specifications.

DRILLING PROGRAM

Attached to Form 3160-3
Marbob Energy Corporation
M. Dodd "A" No. 48
900' FSL and 330' FEL
Section 22-17S-29E
Eddy County, New Mexico

1. Geologic Name of Surface Formation:

Permian

2. Estimated Tops of Important Geologic Markers:

Salt	400'	Grayburg	2096'
Base of Salt	603'	San Andres	2470'
Yates	840'	Glorietta	3955'
Seven Rivers	1110'	Yeso	4020'
Queen	1772'		

3. Estimated Depths of Anticipated Fresh Water, Oil or Gas:

Yates	840'	Oil
Seven Rivers	1110'	Oil
Queen	1772'	Oil
Grayburg	2096'	Oil
San Andres	2470'	Oil
Glorietta	3955'	Oil
Yeso	4020'	Oil

No other formations are expected to give up oil, gas, or fresh water in measurable quantities. The surface fresh water sands will be protected by setting 8 5/8" casing at 375' or directly above the top of the salt and circulating cement back to surface. Any shallower zones above TD which contain commercial quantities of oil and/or gas will have cement circulated across them by inserting a float shoe joint into the 5 1/2" production casing which will be run at TD.