

N.M. Oil & Gas Division
1801 N. Artesia, N.M. 87104
SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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
Marathon Oil Company

3. ADDRESS AND TELEPHONE NO.
P.O. Box 552 Midland, TX 79702 915/687-8357

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface
860' FSL & 660' FEL
 At proposed prod. zone
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
15 miles NW of Carlsbad N.M.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) **660'**

16. NO. OF ACRES IN LEASE **640**

17. NO. OF ACRES ASSIGNED TO THIS WELL **320**

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. **1195'**

19. PROPOSED DEPTH **9600'**

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4040' G.L.

22. APPROX. DATE WORK WILL START*
Jan 1st, 2002

5. LEASE DESIGNATION AND SERIAL NO.
NM-0384625

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
Federal Indian Basin # 2
"C" Gas Com

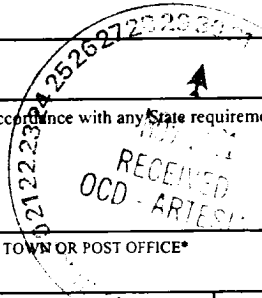
9. API WELL NO.
30-015-31396

10. FIELD AND POOL, OR WILDCAT
Indian Basin Morrow/ Mississippian

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 29, T-21-S, R-23-E

12. COUNTY OR PARISH
Eddy

13. STATE
N.M.



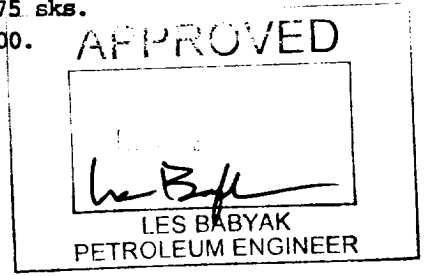
23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12.25"	9-5/8" K-55	36#	1212'	850 sks.
8.75"	7" K-55	23#, 26#	7720'	930 sks.
6.125	4-1/2" L-80	11.60#	9600'	175 sks.

Marathon Oil Company is proposing to deepen the Federal Indian Basin "C" Gas Com. # 2 Upper Penn well to a Morrow/ Mississippian Test. The Indian Basin Upper Penn. will be squeezed off. A 6-1/8" hole w/ A 4-1/2" 11.60# L-80 casing liner will be used. There will be a 100 foot liner lap on the 7" existing casing. Cement with 175 sks. of Modified Super "H". Mississippian Test will be a total depth of 9600.

The casing is cemented in place.
There will be no new surface disturbance.

cement shall extend a minimum of 500 feet above the uppermost perforation



Give data on present productive zone and proposed new productive zone. If proposal is to drill or test at depths. Give blowout preventer program, if any.

IN dec _____

24. SIGNED *Jerry Dittler* TITLE Engineer Tech. DATE 11/06/01

(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 _____ TITLE _____ DATE _____

*See Instructions On Reverse Side

DISTRICT I
P.O. Box 1080, Hobbs, NM 88241-1080

DISTRICT II
P.O. Drawer 30, Artoona, NM 88211-0710

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-31396	Pool Code	Pool Name Indian Basin Narrow/ Mississippian
Property Code	Property Name FEDERAL INDIAN BASIN "C" GAS COM	Well Number 2
OGRID No. 14021	Operator Name MARATHON OIL COMPANY	Elevation 4040

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	29	21 S	23 E		860	SOUTH	660	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 320 S/2	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

The diagram shows a grid with a 'Project Area' and a 'Producing Area'. The well location is marked with a circle and labeled 'Federal I.B. "C" G.C. # 1'. Dimensions are provided: 660' for the well spacing, and 4048.2', 4049.5', 4016.2', and 4029.6' for various offsets. A 'SEE DETAIL' callout points to a 'DETAIL' box showing a 660' x 860' area.

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Jerry Fletcher
Signature

Jerry Fletcher
Printed Name

Engineer Tech.
Title

11/05/01
Date

SURVEYOR CERTIFICATION

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.

JUNE 29, 2000
Date

Ronald E. Edson
Signature

Ronald E. Edson
Professional Surveyor
12641
00-11-30
REGISTERED PROFESSIONAL SURVEYOR

Certificate No. RONALD E. EDSON 3239
PROFESSIONAL SURVEYOR EDSON 12641
EDSON McDONALD 12185