

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Marathon Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 552, Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
732' FSL & 1173' FWL
At proposed prod. zone
732' FSL & 1173' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
25 mi. W N W of Carlsbad, NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 732'

16. NO. OF ACRES IN LEASE
640

17. NO. OF ACRES ASSIGNED TO THIS WELL
640

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
2707'

19. PROPOSED DEPTH
9500'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3838.0' GL

22. APPROX. DATE WORK WILL START*
May 1, 1990

5. LEASE DESIGNATION AND SERIAL NO.
See Below #117-020342

6. IF INDIAN, ALLEGED OR TRIBE NAME

7. UNIT AGREEMENT NAME
AREA

8. FARM OR LEASE NAME
Indian Basin Gas Com

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
Indian Basin (Penn)

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

12. COUNTY OR PARISH
Eddy

13. STATE
NM

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	250'	275 sx - circ to surface
11"	8-5/8"	24#	2000'	625 sx - circ to surface
7-7/8"	5-1/2"	15.5#, 17.0#	9500'	1200 sx - TOC @ ± 1500'

Propose to drill and complete a 9500' Upper Penn Morrow gas well to replace the Indian Basin Gas Com Well #1.
All casing shall be run and cemented in accordance with regulations and by approved methods.
Pressure Control Equipment will be applied as outlined in Additional Information.
See Attached Multipoint Surface Use Plan and Additional Information for specific drilling operations.

* Lease Designation & Serial Nos.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHEDNM-0384624 NM-05612
NM-020342 NM-0384628

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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 [Signature] TITLE Drilling Superintendent DATE 3/10/90

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
AREA MANAGER
CARLSBAD RESOURCE AREA
APPROVED BY _____ TITLE _____ DATE 3 29 90
CONDITIONS OF APPROVAL, IF ANY: _____