

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N. M. OIL & GAS Division

211 S. 1ST ST.

ARTESIA, NM 87003-9934

5. LEASE DESIGNATION AND SERIAL NO

LC-030482

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

INDIAN HILLS UNIT

8. FARM OR LEASE NAME, WELL NO

INDIAN HILLS UNIT

19

9. API WELL NO

30-015-30572

10. FIELD AND POOL, OR WILDCAT

INDIAN BASIN - U. PENN

ASSOC.

11. SEC., T., R., M., OR BLK
AND SURVEY OR AREA

SEC. 28, T-21-S, R-24-E

12. COUNTY OR PARISH

EDDY

13. STATE

NM

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

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

At surface

1400' FSL & 1248' FWL

At proposed prod. zone

1400' FSL 7 1248' FWL

Unit 1

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

15 MILES NW OF CARLSBAD

15. DISTANCE FROM PROPOSED*

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

1248'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

52'

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

19. PROPOSED DEPTH, FT.

7800'

20. ROTARY OR CABLE TOOLS

ROTARY

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

3790' KB, 3778' GL

22. APPROX. DATE WORK WILL START*

1/25/99

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	K-55, 9 5/8"	36"	1200'	800 CIRCULATE
8 3/4"	L-80, K-55, 7"	26# & 23#	7800'	945 CIRCULATE

*WELL IS A PROPOSED INDIAN UPPER PENN GAS TEST. CURRENT POOL RULES REQUIRE 640 ACRE SPACING BUT MARATHON HAS REQUESTED A POOL RULE CHANGE TO 320 ACRE SPACING. R-9922-D

THIS WELL SHALL REQUIRE ADMINISTRATIVE APPROVAL FOR A NON-STANDARD LOCATION.

PROPOSED WELL SHALL UTILIZE THE EXISTING DRILLSITE OF THE INDIAN HILLS UNIT #4 (1420' FSL & 1258' FWL), WHICH SHALL BE PLUGGED PRIOR TO SPUDDING THE IHU #19. THE IHU #4 FOOTAGE CALLS HAVE CHANGED BASED ON A DEPENDENT RE-SURVEY PERFORMED IN 1966.

NSL

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

ATTACHED

IN ABOVE SPACE DESCRIBE PROPOSED 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

Walter Owens

TITLE

DRILLING SUPERINTENDENT

DATE

12/8/98

(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:

Acting

Assistant Field Office Manager,
Lands and Minerals

JAN 28 1999

APPROVED BY

TITLE

DATE

*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.



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

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

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

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

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

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		Indian Basin - Upper Penn Gas
Property Code	Property Name	Well Number
	INDIAN HILLS UNIT	19
OGRID No. 14021	Operator Name	Elevation
	MARATHON OIL COMPANY	3778'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	28	21 S	24 E		1400	SOUTH	1248	WEST	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 640320	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

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature R. J. Longmire Printed Name Drilling Superintendent Title 12/8/98 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. NOVEMBER 3, 1998 Date Surveyed CDG Signature of State Professional Surveyor Certificate No. RONALD J. EDSON 3239 12641

2. WELL CONTROL SYSTEMS

A. Blowout Prevention Equipment

Equipment includes but is not limited to:

- a. pipe rams to accomodate all pipe sizes
- b. blind rams
- c. choke manifold
- d. closing unit

Auxillary equipment added as appropriate includes:

- a. annular preventor _____
- b. rotating head _____
- c. mud- gas separator _____
- d. flare line and means of ignition _____
- e. remote operated choke _____

B. Communication

The rig contractor will be required to have two-way communication capability. Marathon Oil Company will have either land-line or mobile telephone capabilities.

C. Mud Program

The mud program has been designed to minimize the volume of H₂S circulated to surface. Proper mud weight, safe drilling practices, and the use of H₂S scavengers when appropriate will minimize hazards when penetrating H₂S bearing zones.

D. Drill Stem Test intervals are as follows:

DST No. 1	_____	ft. to	_____	ft.
DST No. 2	_____	ft. to	_____	ft.
DST No. 3	_____	ft. to	_____	ft.

Drill Stem Testing Safety Rules are attached.

III. WELL SITE DIAGRAM

A complete well site diagram including the following information is attached.

- 1. Rig orientation
- 2. Terrain
- 3. Briefing areas
- 4. Ingress and egress
- 5. Pits and flare lines
- 6. Caution and danger signs
- 7. Wind indicators and prevailing wind direction

Production Stack

