

District I - (505) 393-6161  
1625 N. French Dr  
Hobbs, NM 88241-1980  
District II - (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV - (505) 827-7131

New Mexico  
Energy Minerals and Natural Resources Department  
Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

1166 Form C-142  
Date 06/99

SUBMIT ORIGINAL  
PLUS 2 COPIES  
TO THE SANTA FE  
OFFICE

AUG 20 1999

OIL CONSERVATION DIVISION

APPLICATION FOR NEW WELL STATUS

I. Operator and Well

Operator name & address Marathon Oil Company P. O. Box 552 Midland, TX 79701							OGRID Number 014021	
Contact Party Ginny Larke							Phone 915-682-1626	
Property Name Indian Hills Unit					Well Number 19		API Number 30-015-30572	
UL L	Section 28	Township 21-S	Range 24-E	Feet From The 1400	North/South Line SOUTH	Feet From The 1248	East/West Line WEST	County EDDY

II. Date/Time Information

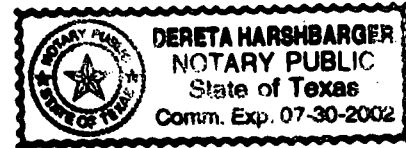
Spud Date 3/6/99	Spud Time 1000 HRS	Date Completed 3/30/99	Pool INDIAN BASIN UPPER PENN ASSOCIATED POOL
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III. Attach copies of Form C-103 or Federal Form 3160-5 showing date/time of drilling commenced and Form C-105 or Federal Form 3160-4 showing well was completed as a producer.

IV. Attach a list of all working interest owners with their percentage interests.

V. AFFIDAVIT:

State of Texas )  
County of Midland ) ss.



Ginny Larke, being first duly sworn, upon oath states:

- I am the Operator, or authorized representative of the Operator, of the above-referenced well.
- To the best of my knowledge, this application is complete and correct.

Signature Ginny Larke Title Engineer Technician Date August 17, 1999

SUBSCRIBED AND SWORN TO before me this 17th day of August, 1999

Dereta Harshbarger  
Notary Public

My Commission expires: July 30, 2002

FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a New Well. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval.

Signature <u>Mark P. Speer</u>	Title <u>P.E. Speer</u>	Date <u>AUG 24 1999</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: AUG 24 1999

NOTICE: The operator must notify all working interest owners of this New Well certification.

PVZV2006429834

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTOPERATOR'S COPY  
SUBMIT IN DUPLICATE\*(See other in-  
structions on  
reverse side)

FORM APPROVED

OMB NO. 1004-0137

Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

NM 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 UPPER PENN  
ASSOCIATED POOL11. 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 WELL:

OIL  
WELL ☐GAS  
WELL ☒DRY ☐

Other \_\_\_\_\_

b. TYPE OF COMPLETION:

NEW  
WELL ☒WORK  
OVER ☐DEEP-  
EN ☐PLUG  
BACK ☐DIFF.  
RESVR. ☐

Other \_\_\_\_\_

2. NAME OF OPERATOR

Marathon Oil Company

3. ADDRESS AND TELEPHONE NO.

P.O. Box 552 Midland, TX 79702

915-682-1626

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

At surface

UL "L", 1400' FSL &amp; 1248' FWL

At top prod. interval reported below

UL "L", 1400' FSL &amp; 1248' FWL

At total depth

UL "L", 1400' FSL &amp; 1248' FWL

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

3/6/99

16. DATE T.D. REACHED

3/18/99

17. DATE COMPL. (Ready to prod.)

3/30/99

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

GL: 3778'; KB: 3795'

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

8200'

21. PLUG, BACK T.D., MD &amp; TVD

8144'

22. IF MULTIPLE COMPL.,  
HOW MANY\*23. INTERVALS  
DRILLED BY  
→

ROTARY TOOLS

ALL

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\*

UPPER PENN, 7482'-7538' &amp; 7796'-7847'

25. WAS DIRECTIONAL  
SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL/NGT, MCFL/NGT, &amp; NGR

27. WAS WELL CORED

NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
16" CONDUCTOR		40'		CEMENT TO SURFACE	
9-5/8", K-55	36#	1195'	12-1/4"	555 SX. CIRC 184 SX	
7", K-55	26 & 23#	8200'	8-3/4"	1005 SX. CIRC 59 SX	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	8042'	RBP @ 8047'

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

7482'-7538' and 7796'-7847'

32. ACID SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7482'-7847'	8100 gals. 15% Fercheck acid

33.\*

PRODUCTION

DATE FIRST PRODUCTION 5/1/99		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Submersible pump - 2 P7 pumps w/M-5 motors				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 5/12/99	HOURS TESTED 24	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL - BBL. 0	GAS - MCF. 321	WATER - BBL. 2060	GAS - OIL RATIO N/A
FLOW. TUBING PRESS. 240	CASING PRESSURE 220	CALCULATED 24-HOUR RATE →	OIL - BBL.	GAS - MCF. ACCEPTED FOR RECORD PETER W. CHESNEY	WATER - BBL.	OIL GRAVITY - API (CORR.) 46.3	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

35. LIST OF ATTACHMENTS

Logs &amp; inclination survey

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED

TITLE

Engineer

DATE 5/19/99

\*(See Instructions and Spaces for Additional Data on Reverse Side)

7. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):				GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
UPPER PENN			DOLOMITE, LIMESTONE, SHALE, GAS, OIL, & WATER	QUEEN	SURFACE	
				SAN ANDRES	1084	
				GLORIETA	2410	
				YESO	2544	
				3rd BONE SPR LIME	5212	
				3RD BONE SPR SAND	6580	
				WOLFCAMP SHALE	6788	
				UPPER PENN	7464	
				BASE DOLOMITE	8054	

RECEIVED

MAY 19 39

BLM  
ROSWELL, NM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OPERATOR'S COPY

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires November 30 2000

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

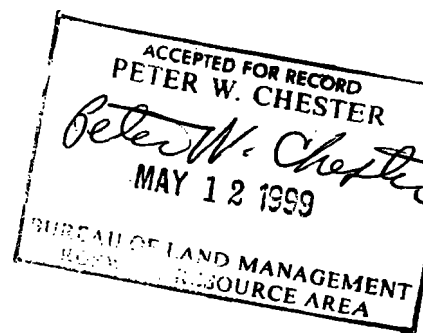
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>030482</b> NM-030482
2. Name of Operator Marathon Oil Company		6. If Indian, Allottee or Tribe Name
3a. Address P.O. Box 552 Midland, TX 79702	3b. Phone No. (include area code) 915/687-8356	7. If Unit or CA/Agreement, Name and/or No. INDIAN HILLS UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1400' FSL & 1248' FWL, U. L. "L" SEC. 28, T-21-S, R-24-E		8. Well Name and No. INDIAN HILLS UNIT #19
		9. API Well No. 30-015-30572
		10. Field and Pool, or Exploratory Area INDIAN BASIN - U. PENN ASSOC
		11. County or Parish, State EDDY NM

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>SPUD &amp; CMTG.</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

SEE ATTACHED SUNDRY FOR SUMMARY OF DRILLING OPERATIONS



14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) R. J. LONGMIRE	Title DRILLING SUPERINTENDENT
<i>R. J. Longmire</i>	Date 4/13/99

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice 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.	Office	

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.

(Instructions on reverse)

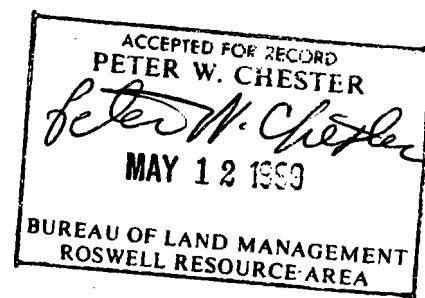
Marathon Oil Company

Indian Hills Unit #19  
1400' FSL & 1248' FWL  
Section 28, T-21-S, R-24-E  
Eddy County, N.M.  
API # 30-015-30572

3/6/99, MIRU McVay # 4, Spud 12.25" hole @ 1000 hrs, 3/6/99. Drilled to 1196'. Ran 29 jts, 9.625", 36 #, K-55, STC casing to 1196', shoe @ 1195', Float collar @ 1154'. Cemented W/ 200 sx Thixset Wt-14.0, yield- 1.52, followed by 155 sx. Premium plus Wt -- 12.4, yield - 2.02. Tailed in w/ 200 sx premium plus neat, Wt 14.8, yield - 1.34. Circulated 184 sx cement Welded on 9.625" SOW X 11" 3M casing head. Tested weld to 1500 psi. N.U. 11" 3M dual ram and annular BOPE, choke manifold and kill line. Tested BOPE to 3000/300 psi. Tested annular to 2000 psi. P.U. 8.75" bit and TIH to TOC @ 1150', tested casing to 1000 psi. Drilled shoe and formation to 8200' TD @ 0215 hrs 3/18/99. R.U. Schlumberger, ran Platform - Express w/ HALS/NGT 8186' - Surface.

Changed rams to 7", ran 71 jts, 26 #, K-55, 103 jts, 23 #, K-55, 2 jts, 26 #, K-55 LTC casing to 8200'. Shoe @ 8200', float collar @ 8158', D.V. @ 6332'. Cemented 1St.. stage w/ 200 sx Premium Plus w/ 350 Scf N2, Wt - 9.2, yield - 1.18. Tailed in w/ 200 sx Premium Plus foamed w/ 150 SCF N2, Wt - 13.2, yield 1.18. Set ECP & dropped bomb, opened D.V. tool @ 6332', circulated out gas and water, had full returns, circulated out 40 sx cement. Cemented 2nd stage w/ 550 sx. Interfil "C" w/ .25 p.p.s. flocele, 3 p.p.s. Gilsonite, .2% Halad - 22, Wt - 11.9, yield - 2.47. Tailed in w 100 sx neat. Plug down @ 0145 hrs, 3/20/99. Circulated 59 sx to surface.

ND BOPE and set slips, NU 11" 3M X 7 1/16" 3M tubing spool. Tested seals to 1000 psi. Released rig @ 0700 hrs 3/20/99.



MARATHON OIL COMPANY Attachment to Form C-142			
INDIAN HILLS UNIT WELL NO. 19			
API NO. 30-015-30572			
Field	Working Interest Owners	Working Interest %	NRI %
Indian Hills Unit Wells #1, #8	MOC	99.54544	83.07133
#9, #10, #12, #17 & #19	Nearburg Exploration	0.45456	0.38562
Sec. 21, 28, & 33			
T-21-S, R-24-E			
D. O. #8200214			