Form 3160-5 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIO CD-ARTESIA **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB NO. 1004-0137 Expires March 31, 2007

5. Lease Serial No.

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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.

LC 064391 B 6. If Indian, Allottee or Tribe Name

4.24 7.4 4 7.4				
SUBMIT IN TRIPLICATE - 0		7. If Unit or CA/Agreement, Name and/or No Indian Hills Unit 8. Well Name and No. Indian Hills Unit No. 30		
1. Type of Well Oil Well X Gas Well Other 2. Name of Operator				
Marathon Oil Company 3a. Address P.O. Box 3487 Houston. TX 77253-348 4. Location of Well (Footage, Sec., T., R., M., or Survey L SHL UL"L", 1494' FSL & 688' FWL Se PBTD UL"F", 1341' FNL & 1687' FWL Se BHL UL"C", 1115' FNL & 1760' FWL Se	7 Description) ec 20, T-21-S, R ec 20, T-21-S, R ec 20, T-21-S, R	-24-E -24-E	20 - (10. Indi (789 11. Eddy	County or Parish, State
12. CHECK APPROPRIATE	BOX(ES) TO IND			OR OTHER DATA
Notice of Intent X Subsequent Report Final Abandonment Notice 13. Describe Proposed or Completed Operation (clearly If the proposal is to deepen directionally or recomp Attach the Bond under which the work will be per following completion of the involved operations. I testing has been completed. Final Abandonment N	plete horizontally, give sur formed or provide the B If the operation results in Notices shall be filed only	Deepen Fracture Treat New Construction Plug and Abandon Plug Back Including estimated starticesurface locations and meanond No. on file with BLM a multiple completion or recognitions.	sured and true vertical de BIA. Required subseque ecompletion in a new int	Well Integrity Other Work and approximate duration thereof. epths of all pertinent markers and zones. electr reports shall be filed within 30 days erval, a Form 3160-4 shall be filed once
determined that the final site is ready for final inspect Marathon Oil Company has complete Mississippian formation. Please st this time.	d operations to ee attachment fo	ACCEPTED JAN		The well is shut in at
14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Charles E. Kendrix		Title Engine	ering Technician	
Charles E. Kendon		Date 01/16/20	06	
THIS	SPACE FOR FEDE	RAL OR STATE OF	ICE USE	
Approved by Conditions of approval, if any, are attached. Approval of certify that the applicant holds legal or equitable title to which would entitle the applicant to conduct operations the	those rights in the subje	Title Trant or Office of lease		Date

Indian Hills Unit No. 30 Re-complete to Mississippian Formation

12/09/2005 MIRU PU. Take delivery of 3 ½" work string. Nipple up BOP. RIH w/ 3 ½" tubing.

12/10/2005 Noted that wellhead was rated for 3000 psi. Order new wellhead Cont. in hole w/ workstring. Left workstring swinging SI waiting on wellhead.

Nipple down 13 3/8" 3M X 11" 3M "B" spool. NU
13 3/8" 3MX11" 5M "B" spool w/ 9 5/8" 3M seal. Tested seal to
3,000 psi. NU Weatherford 11" 5MX 7 1/16" 5M cross over spool.
Installed 7 1/16" 5M frac valve on cross-over flange. RIH w/ Haliburton
easy drill CIPB set @ 10556' RU 7" 5000# full lubricator. Test lubricator
to 5000 psi. RIH w/ wireline gun w/ gamma tool, Perforated using 2JSPF
w/ SP Preditor Hollow Carrier, w/ 39 gram Pred 4539 charges in
120° phasing, four intervals in three gun runs as follows:

Ft.	Shots
10'	20
6'	12
20'	<u>40</u>
26'	72 shots
	10' 6' 20'

Fluid level 25' from surface, 0 pressure after perforating.

ND cross over spool and frac valve. NU 11" 5M to 3M change over flange and 11" 3M BOPS w/ 3 ½" pipe rams. PU RBP & RTTS packer RU hydrotesters- RIH hydrotesting tubing to 9000 psi below slips.

Set RPB @ 10,537'. PUH above top perfs SI.

12/14/2005 Cont in hole hydro-testing 3 ½" tubing. Set RBP @ 10,537'. PUH set RTTS packer @ 10,540'. Decided to pickle tubing. Unset RTTS. Pumped 1000 gals pickle acid down tubing, and reversed out w/ 190 bbls treated water. Shut Down

Relief valve to 1020 psi. Used reversed unit to hold 500 psi on casing. Pump first stage frac slick water pre-flush pad- formation broke at 4600 psi @ 15 BPM. Backside relief valve giving up pressure @ 2700 psi. Upper perfs broke. PUH w/ RTTS packer to frac all three sets of perfs in one stage. Pumped 5000 gals of pre-flush followed by 15,000 gals of 15 % ZCA followed by 15,000 gals CCA sour @ 20 BPM average. Flushed w/ 7500 gallons treated water. Avg treating pressure 5800 psi w/ max pressure of 8261 psi. Shut down Halliburton trucks monitored pressure-stabilized at 3250 psi. Moved packer up hole to set slips- packer by pass opened released pressure to backside. Set slips and vented pressure.

Tied well to flow back equipment w/ Well Testers Inc. Initial pressure @ 2080 psi @ 14:30. Pressure is equalized on tubing and casing. Opened well to tank @ 21/64" choke. Flowing tubing pressure was down to 275 psi @ 18:00 hrs. Well flowing at approximately 32 bbl wtr/ hr w/ no significant gas blow. Total fluid flowed back 160 bbls. Cont testing.

- Well died @ 02:00 am. RIH t/ RPB could not latch on to RPB soft tag. POOH laying down 3 ½" work string. Laid down RTTS packer. Packer was missing rubber elements. RIH w/ 10 stands for kill string. Closed and locked down pipe rams. SD for week end.
- 12/19/2005 Shut in casing pressure 475 psi. Blew down tubing in 58 minutes, did not have to kill well. Laid down 20 joint kill string. Took delivery of 342 joints & 4 -- 4' subs of 27/8" tbg. RIH w/ RBP overshot, rig up reverse unit to tubing begin washing down. Caught fluid w/ 6.5 bbls in hole. Estimated 1100 feet to fluid. Latched onto RBP and pulled up 448'. Left tubing above perfs. SI.
- 12/20/2005 Shut in casing pressure,25 psi bled down in 20 minutes. Cont. out of hole w/ tbg @ RBP. LD RBP. PU RIH w/ wireline re-entry guide, 2 7/8" XN profile nipple, , 1 jt 2 7/8" tbg, 7" PLS packer, 2 7/8" on/off tool w/ 2.313 X- profile nipple, and 328 jts 2 7/8" L-80 tubing.. Set PLS packer @ 10,253'. ND BOP, installed 2 7/8" bowl hanger. NU wellhead. Tested wellhead to 5000 psi.
- 12/21/2005 RD PU. RU swab unit. Made 7 swab runs and well unloaded. Tubing pressure varied from 100 to 350 psi. Swabbed and flowed 67 bbls water. Tubing pressure and flow rate tapered off. SI
- 12/22/2005 SI tubing press 1380 psi. Opened well and blew down to 0 psi. Well unloaded 9 bbls water and died. Swabbed and flowed an additional 21 bbl water. SI for weekend.
- 12/28/2005 Six day SI TP was 3100 psi. Well blew down to loop line to 100 psi in 1hr & 45 min. Opened to blow down tank and blew down to 0 psi, let blow to tank for 4 hrs. No fluid to surface. Put back to loop line for flow rate. Well flowing 100 mcf @ 80 psi. Flow to loop line 3 ½ hrs SI.
- 12/29/2005

 16 hr SI press 1400 psi. Drop 6 soap sticks and let fall 30 minutes. Open well to loop line and blow tubing down to 100 psi in 40 minutes, swab to tank and blow to 0 in 10 minutes. Let blow to tank f/ 4 hrs unloaded 5 bbls water. SI
- 12/30/2005 16 hr SI = 1400 psi. Opened well to tank. Blew down in 30 minute. Well stayed dead for 25 minutes and started unloading. Unloaded slugs for 25

min. tubing press climbing to 250 psi w/o choke, after 25 min. tubing press started to fall back. Let flow to tank another 30 minutes unloaded 5 bbls water. SI @ 10:15 am. Opened tank at 1:10 pm w/ 510 psi TP. Blew down to 0 in 10 minutes. SI for weekend.

01/05/2006

RU Halliburton nitrogen. Test pack off to 3000 psi. RIH w/ Coil tubing pumping 600 cfm N2 did not encounter significant fluid to 10,271'. Flowed back only 1.5 bbl water. Left coil on bottom flowed back well 1 hr. FTP =89# avg sales rate 110 mcf/d @ 95 FTP. Sent test gas to IBGP. Continued to try to flow well to tank and portacheck vessel for next two days. Well is currently shut in for bottom hole build up, and decision as to changing pools.