

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
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.

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

Lease Serial No.

NM 07260

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and/or No.
INDIAN HILLS UNIT

8. Well Name and No.
INDIAN HILLS UNIT #12

9. API Well No.
30-015-28813

10. Field and Pool, or Exploratory Area
INDIAN BASIN UPPER PENN
ASSOCIATED

11. County or Parish, State
EDDY NM

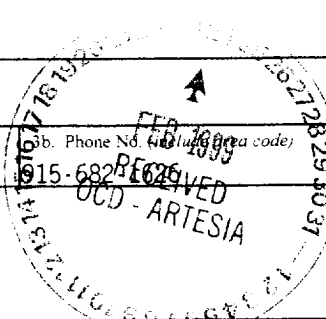
SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Marathon Oil Company

3a. Address
P.O. Box 552 Midland, TX 79702

4. Location of Well (Footage Sec., T., R., M. or Survey Description)
UL "F", 2080' FNL & 2130' FWL
Section 33, T-21-S, R-24-E

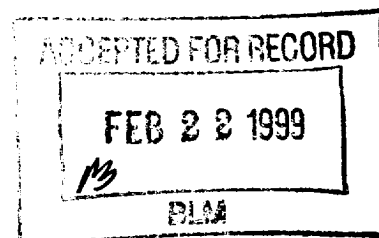


12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" 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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" 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 recomple 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 recomple 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.)

Work commenced 12-17-98. In the process of repairing & replacing a sub pump in this well, an obstruction was encountered. Being unable to clear the obstruction enough to get a packer set properly, it was decided to plug this well back, acidize the perfs from 7806'-7996', and set a CIBP @ 8055'. The Devonian zone is plugged off and the well is not being used as a salt water disposal well any longer. This well should be reclassified strictly as an oil well. The details of this operation are attached. Work was completed 2/9/99.



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Ginny Larke

Title

Engineer Technician

Date

2/17/99

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)

INDIAN HILLS UNIT WELL #12

Attachment for Form 3160-5

February 11, 1999

1. MIRU PU. RU slickline to set Baker injection valve. Couldn't get down. RU sandline & cleaned out to 4500'. Flushed tbg clean. RIH w/injection valve & set in Baker DB packer. POOH w/tbg & L/D seal. RIH w/ RBP but couldn't get past bottom perf of csg. Tried working through.
2. POOH w/RBP. RIH w/Baker seal assembly & plug catcher. Latched onto packer. RU swab & made swab runs to check fluid level. POOH w/tbg & L/D plug catcher. Redressed seal assembly. RIH w/seal assembly & latched onto packer. Swabbed again to check fluid level. It was still the same. RU slickline & fished valve from packer. Set blanking plug in profile. Tested tubing. Had injection rate. Sliding sleeve open. Fished blanking plug.
3. Picked up 1 jt & jayed back into packer w/seal. Landed seaboard wraparound. ND BOP w/torus.
4. RU downhole video camera. RIH w/DHVC to 9819'. Could not get clear view inside packer. Pumped a total of 400 bbls. 2% KCL water in attempt to clean up fluid, but couldn't get a clear shot. RD DHVC. POOH. RIH w/mills to 8540'. Did not tag obstruction.
5. POOH w/mills. RIH w/packer picker to 8144'. Tagged up & worked past obstruction. Cut over DB packer from 9829'-9832'. POOH w/packer. Grapple broke & didn't recover packer.
6. RIH w/new grapple on packer picker & milled shoe. Milled over packer from 9575'-9578' & POOH to 8164'. Grapple broke again. RIH w/6-1/8" impression block on sandline. No marks. POOH & RIH w/spear to 8160'. Latched onto Baker packer & POOH.
7. RIH w/PLS packer. Tagged up & tried to work down. POOH w/packer. RIH w/tapered and watermelon mills. Worked mills from 7800'-7977'.
8. POOH w/tbg & tools. RIH w/bit, DCs, taper mill, watermelon mill & jars. Reamed from 7800' to 7977'. Milled from 7977' to 8042'. Pulled tbg to 8010' & got stuck. Jarred free.
9. Reamed from 7800'-8291'. Tight spots @ 7977'-8010', 8041'-8048', 8073'-8079', & 8148'-8160'. Back reamed from 8010' to 7977'.
10. RIH to perfs in csg worked mills in tight places. Casing felt clean. POOH L/D mills. RIH w/PLS packer, tagging up on csg in spots. Couldn't get past 8146'. POOH w/7" PLS and RIH w/4-1/2" PLS packer into liner. Packer hung up 10' into liner. POOH w/4-1/2" packer.
11. RIH w/bit, watermelon mill & 2-3/8" tbg w/dress-off mill above small tbg. Dressed off liner & pulled up to check for drag. POOH L/D tools & 2-3/8" tbg. RIH w/PLS packer and tried to set it 25' below TOL.
12. POOH w/packer. RIH w/replacement packer w/perforate sub above packer. Tagged up on Liner top w/tailpipe. Ran packer 10' into liner & it got stuck. Tried to set it there. Pulled out of liner and ran back in, making 15' further than last run, but still couldn't set packer. Picked up another joint and ran 30' more into liner. Still couldn't set packer.
13. POOH & L/D PLS packer. RIH w/7" Baker Loc-Set packer. Couldn't get it below 8123'. POOH finding 3 slip segments on top of packer. L/D DCs & RIH w/tbg string. Installed tbg hanger. ND BOP, NU wellhead, & RD PU. (1/12/99)
14. (1/26/99) MIRU PU. ND wellhead & NU BOP. RIH w/junk basket to 9500'. POOH w/basket. No recovery.

15. RIH w/3-1/2" OD Baker PIP to 9594'. Packer wouldn't set. POOH finding rubber sleeve torn off element. RU wireline & ran CCL w/4-1/4" OD junk basket from 8300'-7800'. Recovered 2 small pieces of slip segments.
16. RIH w/4-1/4" OD Baker PIP. Couldn't get it below 8494'. Pulled up to 8460' & set packer. Dumped 10' of sand on packer. Tagged sand @ 8450' & spotted 20 sacks of "H" neat cement (100'). POOH to 6120'. Shut in for night.
17. TIH. Tagged @ 8452'. No cement on packer. POOH w/4 stands. RU swab & tagged FL @ 3700'. POOH L/D 52 jts. of tbg. RU wireline & RIH w/7" junk basket. Recovered 3 bands, 1 rubber element, 1 slip segment, & small pieces of formation. Ran 70 arm caliper from 8300'-7700'. Dump bailed 18' of cement from 8352'-8334'. RD wireline. No problem w/casing. RIH w/killstring and SI for weekend.
18. RIH w/6-1/8" bit & casing scraper on 2-7/8" tbg. Tagged top of cement @ 8422'. POOH. RI w/PPI tool. Set @ 8400'. RU swab. Initial FL @ 3700'. Swabbed tbg dry. POOH & RU wireline. RIH w/7" junk basket to 8416'. POOH. RIH & set 7" CIBP @ 8053'. RIH w/7" PPI tool to 8005'.
19. Pickled 2-7/8" tbg. w/600 gals. HCL acid. Acidized perms from 7996-7806' in 2' increments w/50 gpf CCA acid, for a total of 7200 gals. Pulled up and set packer @ 7700'. Fished valves. Loaded & tested annulus to 500 psi. RD Halliburton. RU swab. Made 5 runs & recovered 30 bbls on 2/3/99.
20. Made 16 swab runs, recovered 75 bbls fluid. FL still @ 3700'. Released PPI packer & POOH w/tbg L/D packer. RIH w/RBP & set @ 3100'.
21. PU shroud & made up ODI sub pump. RIH to top of RBP, latched on & released RBP & RIH to top of CIBP. Spaced out tbg & made final splice. Landed tbg on seaboard head, ND BOP, & NU wellhead. Checked pump current & RD PU. (2/5/99)
22. (2/7/99) MIRU PU. RD wellhead & NU BOP. RU spoolers. POOH & L/D sub pump. RIH w/rebuilt pump. Hooked up cable & CT string to seaboard flange & landed tbg. ND BOP & RU wellhead & flowline. Work completed 2/9/99

Perfs above CIBP: 7806'-7842', 7854'-7900', 7920'-7974', & 7992-7996'.

CIBP @ 8055'. 4-1/4" OD Baker Single set PIP @ 8450' w/cement to 8422'.

Perfs below CIBP: 8060'-8064', 8070'-8084', 8092'-8100', 8149'-8153', 8160'-8164', 8172'-8174', 8180'-8200'.

RECEIVED
JUN 18 1963