

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

5. Lease Serial No.

LC-064391-B

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.
ROCKY HILLS SWD 2

9. API Well No.
30-015-30600

10. Field and Pool, or Exploratory Area
SWD - DEVONIAN 96101

11. County or Parish, State
EDDY NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

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

DISPOSAL

2. Name of Operator
Marathon Oil Company

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

3b. Phone No. (include area code)
915/687-8356

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1400' FSL & 800' FWL
SEC. 20, T-21-S, R-24-E

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

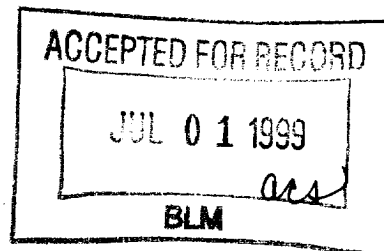
TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|-----------------------------------------------|-------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other <u>DRILLING & CASING OPERATIONS</u> |
| <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 recompleate 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 recompleation 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 FOR DETAILS



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

W.J. Duncan

Title
DRILLING SUPERINTENDENT

Date
6/23/99

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)

RECEIVED

JUN 24 '99

ROS

NM

MARATHON OIL COMPANY

Rocky Hills SWD #2
1400' FSL & 800' FWL
Section 20, T-21-S, R-24-E
Eddy County, New Mexico

3/30/99 MIRU Norton Rig # 14. Spud 17.5 " hole @ 0800 hrs, Drilled to 1208'. Ran 28 jts, 13-3/8", 54.5#, K-55, Buttress thread. Float shoe @ 1206', Collar @ 1159'. Cemented surface casing w/ 200 sx Thixset W/ 1% Thixset "A", .25% Thixset "B" @ 14.1 PPG, 1.52 CF/SK. 505 sx Halliburton lite PP w/ 2% CACL2, .5 PPS flocele, 5 PPS gilsonite @ 12.4 PPG, 2.02 CF/SK. Tailed in w/ 200 sx PP, @ 14.8 PPG, 1.34 CF/SK. Did not circulate cement.

PU 1" tbg and tagged TOC @ 776'. Cemented to surface w/ 1196 sx cement in 13 stages. Cut csg and install 13-5/8" SOW X 13-5/8" casing head, tested weld to 1000 psi. NU 13-5/8", 5m Dual ram 3M annular and mud cross. 13-5/8" rotating head and choke manifold.

Tested choke and kill lines, blind and pipe rams, manifold, mud lines and floor valves to 3,000 psi.

Drilled 12-1/4" hole to 8097'. Stuck BHA on bottom. Left bit, bit sub, shock sub, 2- 9" drill collars x/o, 9 - 8-3/4" drill collars in the hole. Total length - 336.78'.

Set plug # 1: 350 sx Thixset @ 7396', pulled 10 stands & WOC. Tagged TOC @ 7133'. TIH & set plug # 2 w/ 425 sx "H". WOC 2 days washed cement 6494' - 6689'. Made kick-off w/ 8-3/4" bit and opened hole to 12-1/4". Resumed drilling formation to 9518'. Stuck drill string worked free, mudded up to 9.4 PPG, 116 Vis, pv-18, yp-32, WL -8.8. Drilled to 10,028' circulating heaving shale.

Changed Rams to 9-5/8", Ran 9-5/8" intermediate as follows: float shoe, 2 jts 53.5 # (89.35), float collar, 38 jts 53.5 # (1706), 38 jts 47# (1669), dv tool, 25 jts 47 # (1093'), 117 jts 53.5 # (5259'). Shoe @ 9790', Float Collar @ 9699', DV @ 6322'. Cemented casing w/200 sx Thixset, tailed in w/ 1450 sx Modified Super Premium Plus, dropped plug and displaced w/ mud. Opened stage tool @ 6319'. Did not circulate cement first stage. Cemented 2nd stage w/ 75 sx scavenger slurry. Lead w/ 1500 sx Interfill "C", tailed in w/ 100 class "C" neat cement. Dropped plug and circulated 370 sx cement.

ND BOPE, NU 13-5/8" X 3M X 11"5M "B" section. NU BOPE.

PU 8.5" bit and BHA, TIH, drilled DV @ 6322'. Washed to float collar and shoe. Tested shoe to 2000 psi. Ran CBL 9782' - 6000' Bottom of cement @ 9700'. Perf'd 9.625" @ 9752' w 4 - 0.3" holes. Set RTTS @ 9679' and could not pump into perms w/ 4000 psi. Lay dn RTTS and resumed drilling w/ 8.5" bit to 10,343'.

Ran 22 jts (915.08') 7", 26#, L-80, LTC shoe @ 10,343', FC @ 10,295', plug catcher @ 10,258', hanger @ 9419', PBR @ 9408'. Cemented liner w/ 300 sx Modified Super Prem w/ >4% CFR-3, 5 pps gilsonite, .5% halad 344, 1pps nacl, @ 13 ppg, 1.67 yield. Circulated 35 sx to pit.

PU 6.75" bit and BHA drilled cement out of liner top, plug catcher, float collar and cement to 10,320'. Set RTTS @ 9374', tested liner lap to 1000 psi for 15 minutes. Drilled cement and shoe to 11,307' TD @ 1500 hrs, 5/30/99. Log well as follows: CNL/ LDT/ GR/ NGT/ SDT 11,314' -10,350'. CNL/GR/NGT/ SDT 11,314' - 7100'. GR/CNL/SDT to surface. Dressed PBR 9408' - 9418'. Ran 7-1/16" tie back stem and 7" string to surface. Stung into PBR and reverse circulated packer fluid. NU 7" 3,000 psi tree.

Acidized Devonian w/ 30,000 gals CCA 150 acid, final pressure 4.4 BPM @ 3250 psi.