

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 deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Marathon Oil Company

3. Address and Telephone No.

P.O. Box 552 Midland, TX 79702

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

2223' FSL & 955' FWL
SEC. 29, T-21-S, R-24-E

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

INDIAN HILLS UNIT #13

9. API Well No.

30-115-30274

10. Field and Pool, or exploratory Area

INDIAN BASIN MORROW, U. PENN

11. County or Parish, State

EDDY NM

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

TYPE OF SUBMISSION

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

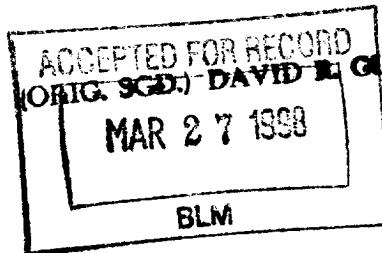
TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other SUD & DRLG OPS
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

SEE ATTACHED FOR DETAIL



14. I hereby certify that the foregoing is true and correct

Signed

Walter J. Duncan *DPN*

Title DRILLING SUPERINTENDENT

Date 3/24/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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.

* See instruction on Reverse Side

Marathon Oil Company

Indian Hills # 13
2182' FSL & 590' FWL
Sec. 19, T-21-S, R-24-E
Eddy Co. NM

MIRU MC Vay # 4, Spud 12 1/4" hole @ 0800 hrs, 1/19/98. Drilled surface hole to 1210'. TD @ 0315 hrs., 1/21/98. Ran 27 jts., 9 5/8", 36#, K-55, STC new csg to 1210', Shoe @ 1209', Collar @ 1168'. Howco Cemented surface casing w/ 200 sx. Prem plus thixotropic w/ 10 % calseal, 10 p.p.s. gilsonite, 1% cacl, Followed by 450 Sx. Howco lite w/ 5 p.p.s. gilsonite, 2% cacl. Tailed in w/ 200 sx. Prem Plus w/ 2% cacl. Bumped plug @ 1015 hrs, 1/21/98, did not circ. cement. Woc 4.25 hrs and ran temp svy. TOC @ 700'. Ran 1" tubing and cemented surface csg. W/ 450 sx. In 11 stages and circ'd 10 sx to surface.

Installed 11" 3m X 9 5/8" SOW csg head, tested weld to 1750 psi. NU 11" 3m dual ram, annular and choke manifold. Tested BOPE, choke and kill lines, floor valves and mud lines to 300/3000 psi. Tested annular to 1500 psi. TIH w/ 8 3/4" bit.

Tagged cement @ 1161', tested csg. to 1750 psi. Total WOC time - 30.5 hrs. Drilled cement and float eq. And resumed drilling formation to 3407' (KOP). Ran gyro every 100' to surf. Picked up motor and made kick off @ 3407'. Lost all returns at 7407' and had partial circulation while to 8050'. TD production hole @ 0045 hrs, 2/10/98.

Stuck pipe @ 4391', jarred free, parted lift sub above jars. Wash and ream thru key-seat @ 3322'-3422'. Fish fell to bottom. Attempted to jar on fish without success, could not enter fish and circulate due to obstructions. Left 8.75" bit, motor, float sub, UBHO sub, 2 - monel drill collars, 18 - 6.5" drill collars (639.55'). Spotted 350 sx. class "H" kick off plug @ 7423'. WOC 4 hrs, tagged cement @ 6935'. PU bit and motor and time drilled to 7160' to kick off around fish.

* Drilled to 7923', did not log well due to unstable hole conditions.

Ran 7" production casing as follows: 2 jts 26#, float collar, 20 jts 26#, ESC tool, 128 jts 26#, 33 jts 23#, 2 jts 26#. Landed shoe @ 7923'

Cemented production casing W/ 200 sx mod super H W/ .4% cfr-322, 5 pps gilsonite, .5% halad - 344, 1 pps nacl, wt - 13 ppg, yield - 1.68. Bumped plug and opened stage tool, circ'd 73 sx to pit.

Cemented 2 nd stage W/ 775 sx Interfil "C" w/ .25 pps flocele, 3pps gilsonite, .2% Halad - 322, wt - 11.9 ppg, yield - 2.46. Tailed in w/ 100 sx "C" neat. Bumped plug and closed tool, circ'd 220 sx.

ND BOPE, set slips, cut 7" csg, Installed 11" 3M X 7 1/16" 3M tubing head, tested seals to 3000 psi.

Released rig @ 0100 hrs 3/14/98.