

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

OCT 28 1991

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

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. 915-682-1626

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Unit M, 660' FWL & 470' FSL
Section 11, T-18-S, R-31-E NMPM

5. Lease Designation and Serial No.
LC-062052

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Marathon Shugart
"B" No. 1

9. API Well No.
30-015-25955

10. Field and Pool, or Exploratory Area
Tamano (Bone Spring)

11. County or Parish, State
Eddy County, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input checked="" type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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.)

Marathon Oil Company proposes the conversion of the Marathon Shugart "B" No. 1 to a water injection well. This well will be renamed the Tamano (BSSC) Unit Well No. 601 when the unit becomes effective on January 1, 1992. Approval has been granted by the NMOCD to inject water into the Tamano (Bone Spring) Pool by Order No. R-9555 attached. Also enclosed is the NMOCD Form No. C-108 covering this well. The following is the proposed procedure:
(see attached)

Subject to
Like Approval
by State

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

Signed S.P. Guidry S.P. Guidry

Title Northwest Production Supt.

Date 10-15-91

(This space for Federal or State office use)

Approved by:
Conditions of approval, if any:

Title

Date 10/25/91

Form 3160-5

Marathon Shugart "B" No. 1

1. MIRU PU. POOH laying down rods and pump.
2. Nipple down well head & nipple up BOP.
3. Release TAC and POOH laying down 2 3/8" production tubing.
4. Set RBP on wireline at 8025', dumpbailing 2 sxs sand on plug. Set cement retainer at 7920'.
5. PU 2 7/8" workstring. RIH w/stinger and sting into cement retainer. Establish injection rate w/fresh water.
6. Squeeze Shingle zone perfs 7963' to 7981' w/100 sxs of Class H w/6/10% fluid loss and 50 sxs Class H w/2/sx salt.
7. Sting out of cement retainer, reverse clean & POOH.
8. RIH w/bit and collars on workstring. Drill out retainer & cement. Test squeeze to 500 psi.
9. POOH w/collars and bit.
10. RIH w/workstring and retrieving head. Circulate sand off plug. Retrieve plug & POOH.
11. RIH w/5 1/2" RTTS tool to 8000' and set.
12. Acidize Second Bone Spring Carbonate perforations from 8072' - 8228' w/500 gals of 15% HCL.
13. Swab back load.
14. Unset RTTS tool and POOH laying down workstring and packer.
15. PU wireline re-entry guide (IPC & EPC) 2 3/8" x 5 1/2" Baker Lok-Set packer (EPC and internally lined w/Fiberglass) or equivalent on-off tool (IPC w/1.50" 316 stainless steel profile) on 2 3/8" internally fiberglass lined injection tubing. Set packer at 8000'.
16. Release on-off tool and reverse circulate 2% KCL w/1 bbl packer fluid down backside (est. 116 bbls). Latch onto on-off tool.
17. Nipple down BOP and install well head.
18. Conduct mechanical integrity test on backside for one hour.
19. RDMO PU.
20. Connect well to injection system and commence injection into Second Bone Spring Carbonate.
21. After approximately two weeks of injection, rig up loggers and conduct injection profile survey.

This work is scheduled during the month of December, 1991.