

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-33607
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-3654
7. Lease Name or Unit Agreement Name: McGrail State
8. Well Number 9
9. OGRID Number 14021
10. Pool name or Wildcat Monument Abo (46970)

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
GL 3681'

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	2. Name of Operator Marathon Oil Company
3. Address of Operator P.O. Box 3487 Houston, TX 77253-3487	4. Well Location Unit Letter K : 1980 feet from the South line and 1650 feet from the East line Section 26 Township 19-S Range 36-E NMPM County Lea
11. Elevation (Show whether DR, RKB, RT, GR, etc.) GL 3681'	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>	
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____	
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____	

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

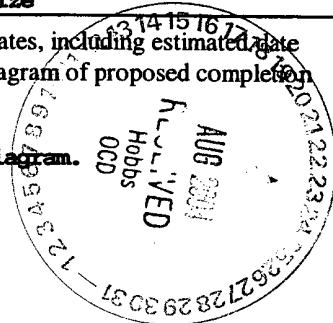
PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: **Add Perfs and Acidize** ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Please see attachments for details of well work performed and a new wellbore diagram.



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Charles E. Kendrick TITLE Engineering Technician DATE 08/18/2004

Type or print name **Charles E. Kendrick**

E-mail address: **cekendrix@MarathonOil.com**

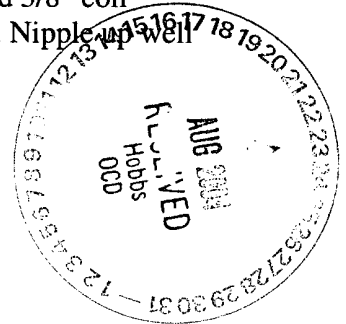
Telephone No. **713-296-2096**

For State Use Only

APPROVED BY Gary W. Wink TITLE _____ DATE AUG 26 2004
Conditions of Approval, if any _____

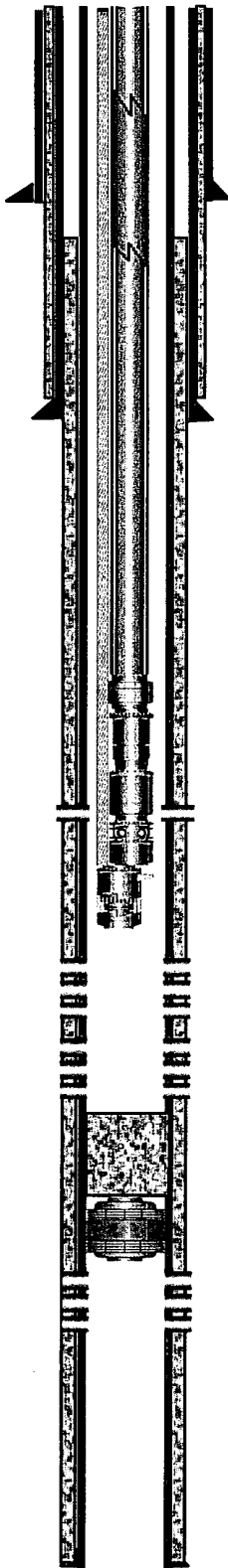
McGrail State No. 9
Add Abo perforations and acidize

- 05/03/2004 POOH w/ production tubing, coil tubing, and sub pump. RIH w/ bit, casing scraper on 241 jts 2 7/8" tubing. Tag PBTD @ 7517'. PUH above perfs SI.
- 05/04/2004 POOH w/ tubing, scraper, and bit. Rig up Baker Atlas. PU lubricator and test to 1000 psi. RIH w/ 3 1/8" slick gun w/ 311GH w 23 gram charges w/ 4 JSPF, 90 degree phasing w/ collar locator. Perforate in 3 runs the following sequence.
- | | | |
|---------------|-------|-----------|
| 7322' - 7326' | 4 ft | 16 shots |
| 7350' - 7354' | 4 ft | 16 shots |
| 7396' - 7410' | 14 ft | 56 shots |
| 7419' - 7429' | 10 ft | 40 shots |
| Total | | 128 shots |
- Rigged down Baker Atlas. RIH w/ kill string . SI
- 05/05/2004 POOH w/ kill string. RIH w/ RBP, Packer, 2 7/8" tubing to 7430'. Hydrotested tubing in hole. PUH set RBP @ 7280' load and test casing annulus to 500 psi. Held pressure. SI
- 05/06/2004 Circulate acid pickle tubing. RIH release RBP. Re-set RBP @ 7431'. PUH set packer @ 7413'. RU Haliburton and test lines to 5000 psi. Acidize Abo interval 7419' to 7429 w/ 65 bbls 17% HCL acid. Displaced w/ 43 bbls fresh water. RIH retrieve RBP. Re-set RBP @ 7415' set packer @ 7370'. Acid perf interval 7396' to 7410' w/ 70 bbls 17% HCL acid. Displaced w/ 43 bbls fresh water. RIH retrieve RBP. Re-set RBP @ 7370' set packer @ 7339'. Acidize interval 7350' to 7354' w/ 20 bbls 17% HCL acid flushed w/ 43 bbls fresh water. Retrieve RBP. Re-set RBP @ 7339' set packer @ 7280'. Acidize interval 7322' to 7326' w/ 20 bbls 17% HCL acid flushed w/ 63 bbls fresh water. Retrieve RBP PUH above perfs SI.
- 05/07/2004 POOH w/ tubing, packer, and RBP. RIH w/ sub pump and 3/8" coil tubing. Bottom of motor @ 7203', pump intake @ 7275'. Nipple up well head and start pump.





Marathon Oil Company
McGrail State No. 9
18-Aug-04



Surface Casing
13 3/8" 48# H-40 set @ 514' w/ 525 sks

Top of cmt on production casing @ 556'

Intermediate Casing
8 5/8" 32 & 24# set @ 2845' w/ 1000 sks

6080' Perfs shot to complete production casing
squeeze in March 1997.

ABO Perfs
7322-7326
7350-7354
7396-7410
7419-7429
7422-7455

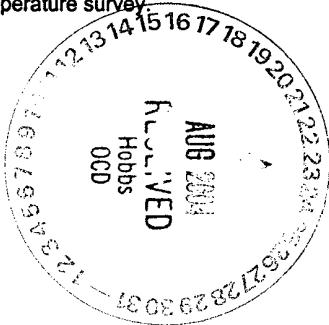
Perfs added
May-04

Original Perfs

5 1/2" CIBP set @ 7524' w/ 18' cement

7533-7547 Added Mar-03 swab tested but never
produced.

Production Casing
5 1/2" 15.5 & 17# set @ 8000' w/ 270 sks
Original TOC @ 6450' on CBL
Production Casing was later perforated @ 6080'
and cemented w/ 1075 sks to 556' from surface
verified w/ temperature survey.



Well Name & Number:	McGrail State No. 9		Lease	B- 3654		
County or Parish:	Lea	State/Prov.	New Mexico		Country:	USA
Perforations: (MD)	See above for detail		(TVD)	8000'		
Date Completed:	08/18/04				RKB:	
Prepared By:	Charles Kendrix		Last Revision Date:		08/19/04	