

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO. 30-025-33954
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name McCallister State
8. Well No. 12
9. Pool name or Wildcat Vacuum; Upper Penn / Wolfcamp
10. Elevation (Show whether DF, RKB, RT, GR, etc.) GL 4008 KB 4026

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" (FCRM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	
2. Name of Operator Marathon Oil Company	
3. Address of Operator P.O. Box 2409 Hobbs, NM 88240	
4. Well Location Unit Letter L : 1945 Feet From The South Line and 850 Feet From The West Line Section 25 Township 17-S Range 34-E NMPM Lea County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) GL 4008 KB 4026	

11. 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 ☐
OTHER: **Perf Abo & DHC w/Upper Penn & Wolfcamp** ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. 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.

Marathon Oil Company proposes to perforate the Vacuum; Abo formation in the above referenced well and DHC with the Upper Penn and Wolfcamp formations (DHC No. 1807).
Please see the attached procedure.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Kelly Cook* TITLE Records Processor DATE 7/2/98
TYPE OR PRINT NAME Kelly Cook TELEPHONE NO. 393-7106

(This space for State Use)

Orig. Signed by
Paul Kautz
Geologist

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

JC

Workover Procedure

McCallister State #12

API # 30-025-33954-0000

1945' fsl, 850' fwl

Section 25, T17S & R34E, Spot L

Vacuum Field

Lea County, New Mexico

Date: July 1, 1998

Purpose: Commingle Penn & Wolfcamp (DHC-1807) with new Abo perms.

Penn: 10,056' to 10,118'

Wolfcamp: 9541' to 9843

PROCEDURE:

1. MIRU PU.
2. POOH with rods & pump.
3. ND Wellhead, Release TAC. Install 7 1/16" 5M hydraulic BOP with 2 7/8" pipe rams on top and blind rams on bottom. Install (2) 2 1/16" 5M gate valves on BOP outlets below blind rams. Pressure test BOPE to 2,000 psi against test plug.
4. POOH with 2 7/8" tubing & TAC.
5. MIRU wireline & full lubricator. Test lubricator to 1,000 psi. RIH & set RBP w/ ballcatcher at $\pm 9,350'$ and test casing and RBP to 2,000 psi.
6. RIH with 2 7/8" open-ended to 9,228' and spot 250 gallons of 15% NeFe from 8,960' to 9,228'. POH w/ tubing and prepare to perforate.
7. MIRU Wedge and full lubricator. Test lubricator to 1,000 psi. Perforate the lower Abo from 9,102' to 9,228' @ 2SPF (114 Shots @ 120°).
8. RIH with 2 7/8" tubing and 10K treating packer and SN. Set packer @ 9,050' and load the backside w/ 2% KCl water and apply 500 psi.
9. MIRU Halliburton, test all surface treating lines to 8,000 psi. Prepare to treat the lower Abo with 15,000 gallons of 15 % VCA acid. RDMO Halliburton.
10. Flow and swab test as necessary.
11. MIRU Nalco. Pump 60 gals chemical scale squeeze.
12. Release packer and retrieve the RBP at 9,350'. TOH and empty ballcatcher.
13. RIH with packer and RBP to $\pm 9,000'$. Set the RBP and test to 2,000 psi.
14. PU to $\pm 8,557'$ and spot 250 gallons of 15% NeFe across the Upper Abo. TOH with tubing.

McCallister State #12 Workover Procedure (Continued)

15. MIRU wireline and full lubricator. Test lubricator to 1,000 psi. Perforate the upper Abo interval from 8,379' to 8,557' @ 2SPF (154 Shots @ 120°).
16. RIH with 2 7/8" tubing and 10K treating packer and SN. Set packer @ 8,300' and load the backside w/ 2% KCl water and apply 500 psi.
17. MIRU Halliburton, test all surface treating lines to 8,000 psi. Prepare to treat the upper Abo with 20,000 gallons of 15 % VCA acid. RDMO Halliburton.
18. Flow and swab test as necessary.
19. MIRU Nalco. Pump 60 gals chemical scale squeeze.
20. Release the packer and retrieve the RBP at 9,000', POH with tubing, treating packer, & RBP.
21. RIH w/ 2-7/8" tubing.
22. ND BOPE and set the TAC. NU wellhead.
23. RIH rods.
24. Return well to test.
25. Submit DHC application and required NMOCD forms.

District I
PO Box 1000, Hobbs, NM 87401-1000
(District II)
815 S. 1st Street, Artesia, NM 87210-2834
(District III)
1000 Elm Street, Alamogordo, NM 87010
(District IV)
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, NM 87504-2088

Form C-1
Revised February 10, 1997
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1 Operator name and Address Marathon Oil Company P.O. Box 552 Midland, Texas 79702		2 OGRID Number 14021
3 API Number 30-025-33954	4 Property Code 634T 6431	5 Property Name McCALLISTER State
		6 Well Number 12

7 Surface Location									
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
L	25	17-S	34-E		1945	SOUTH	850	WEST	LEA

8 Proposed Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
9 Proposed Pool 1 Atoka					10 Proposed Pool 2 VACUUM (ABO WOLF CAMP UPPER PENNSYLVANIAN)				

11 Work Type Code N	12 Well Type Code O	13 Cable/Rotary ROTARY	14 Lease Type Code S	15 Ground Level Elevation
16 Multiple N	17 Proposed Depth 11 500'	18 Formations ATOKA	19 Contractor	20 Spud Date 5/5/97

21 Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
14 3/4"	11 3/4"	48	1400'	735	CIRCULATE
11"	8 5/8"	40 43 5	5300'	1345	+/- 1000'
7 3/8"	5 1/2"	23 26 29	11 600'	1240	+/- 5200'

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Proposed BOPE: 13 5/8" dual ram & annular. 11" 3m dual ram, annular & rotating head. All BOPE shall be installed and tested according to OCD Rules #109 & #114.

All casing shall be run and cemented in accordance with OCD Rule #107.

A stage tool will be placed in the production string at +/- 9100'.
Permit Expires 1 Year From Approval
Date Unless Drilling Underway

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Walter J. Nordt</i> Printed name: O. P. NORDT Title: DRILLING SUPERINTENDENT Date: 5/2/97		OIL CONSERVATION DIVISION Approved by: <i>Paul Kintz</i> Title: Geologist Approval Date: MAY 6 1997 Expiration Date: Conditions of Approval: Attached <input type="checkbox"/>	
Phone: 915/687-8327			