

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

OIL CONSERVATION DIVISION

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

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO. 30-025-32311
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 Warn State A/C 1
8. Well No. 6
9. Pool name or Wildcat Vacuum: Wolfcamp

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	2. Name of Operator Marathon Oil Company
3. Address of Operator P.O. Box 2409 Hobbs, NM 88240	4. Well Location Unit Letter K : 1980 Feet From The South Line and 2030 Feet From The West Line Section 31 Township 17-S Range 35-E NMPM Lea County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) GL 3979' KB 3992'	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: Add Abo and DHC w/Wolfcamp <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <input type="checkbox"/>

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 Abo formation and downhole commingle with the Wolfcamp. Please see attachment for the summary of work to be performed.

Applied to Santa Fe for DHC order - OK - moving on location now.

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 8/21/97
TYPE OR PRINT NAME Kelly Cook TELEPHONE NO. 393-7106

(This space for State Use) ORIGINAL SIGNED BY CHRIS WILLIAMS
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

SEP 5 1997

Warn State A/C "1" #6

1980' FSL & 2030' FWL
Section 31, T17S & R35E
Vacuum Field
Lea County, New Mexico

Date: August 20, 1997

PROCEDURE:

1. MIRU PU
2. POOH with rods & pump.
3. ND wellhead, Release TAC. Install 7 1/16", 5M psi hydraulic BOP w/ 2 7/8" pipe rams on top and blind rams on bottom. Install (2) 2 1/16", 5M psi gate valves on BOP outlets below blind rams. Pressure test BOPE to 1,500 psi against test plug.
4. TOOH with 2 7/8" tubing & TAC.
5. RIH with sandline and tag estimated PBTD \pm 10,096. POOH w/sandline and pick-up 5 1/2" RBP w/ball-catcher & RTTS, TIH with RBP & packer to approximately 9,370'. Test the bridge plug to 1,500 psi.
6. MIRU Halliburton. Spot 500 gallons of 15% DINE acid from 8,800' to 9,320'. RD Howco, TOOH with the tubing.
7. MIRU Wedge. Perforate from 8,922' to 9,320', w/154 Shots at 2 JSPF. The detailed perforation information is as follows: 8922 to 8927, 8930 to 8936, 8943 to 8953, 8957 to 8970, 8983 to 8987, 9001 to 9003, 9011 to 9014, 9018 to 9020, 9026 to 9033, 9040 to 9042, 9083 to 9086, 9149 to 9151, 9237 to 9240, 9274 to 9277, 9285 to 9295, 9318 to 9320.
8. RD Wedge. TIH with 5 1/2" RTTS packer and set at \pm 8,850'. MIRU Halliburton.
9. Acidize the lower Abo with 10,000 gallons of 15% HV-60 acid at 10 bpm in three stages using 230 - 7/8" (1.3) ballsealers for diversion.
10. Start flowing/swabbing the load back as necessary to test the 8,922' to 9,320' interval.
11. Release packer, RIH and retrieve the RBP at \pm 9,370'. Move the RBP to 8,910' and set.
12. Test the bridge plug to 1,500 psi. MIRU Halliburton, spot 250 gallons of 15% DINE acid from 8,900' to 8,650'. RD Halliburton. TOOH with the tubing and prepare to perforate.
13. MIRU Wedge. Perforate from 8,767' to 8,892', w/168 Shots at 2JSPF. The detailed perforation information is as follows: 8,767 to 8,774, 8781 to 8790, 8794 to 8805, 8816 to 8827, 8831 to 8836, 8845 to 8864, 8870 to 8892.
14. RD Wedge. TIH with 5 1/2" RTTS packer and set at \pm 8,700'. MIRU Halliburton.
15. Acidize the middle Abo with 11,000 gallons of 15% HV-60 acid at 10 bpm in three stages using 252 - 7/8" (1.3) ballsealers for diversion.
16. Start flowing/swabbing the load back as necessary to test the 8,767' to 8,892' interval.
17. Release packer, RIH and retrieve the RBP at \pm 8,910'. Move the RBP to 8,650' and set.

18. Test the bridge plug to 1,500 psi. MIRU Halliburton, spot 350 gallons of 15% DINE acid from 8,510' to 8,160'. RD Halliburton. TOOH with the tubing and prepare to perforate.
19. MIRU Wedge. Perforate from 8,245' to 8,507, w/122 Shots at 2 JSPF. The detailed perforation information is as follows: 8245 to 8271, 8290 to 8295, 8305 to 8309, 8324 to 8326, 8338 to 8340, 8354 to 8357, 8387 to 8389, 8406 to 8411, 8445 to 8448, 8455 to 8458, 8486 to 8489, 8502 to 8507.
20. RD Wedge. TIH with 5 1/2" RTTS packer and set at \pm 8,200'. MIRU Halliburton.
21. Acidize the upper Abo with 8,500 gallons of 15% HV-60 acid at 10 bpm in three stages using 184 - 7/8" (1.3) ballsealers for diversion.
22. Start flowing/swabbing the load back as necessary to test the upper Abo interval.
23. Release packer and retrieve RBP. TOOH with tubing & tools.
24. RIH w/ tbg. Seating nipple at \pm 10,060' and TAC at \pm 8,100'.
25. ND BOPE. NU wellhead.
26. RIH with rods and pump.
27. RDMO PU.
28. Return well to test.
29. Submit DHC application to NMOCD.