

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 88240
DISTRICT II
811 S. 1st Street, Artesia, NM 88210-2834
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-07040
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	Mark Owen
8. Well No.	4
9. Pool name or Wildcat	Drinkard / Wantz Abo
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	
KB 3384' GL 3372'	

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 1980 Feet From The West Line
Section	35 Township 21-S Range 37-E NMPM Lea County
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	
KB 3384' GL 3372'	

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: RC to Blinebry, DHC w/Drinkard & Abo ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING CPNS. ☐ 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 recomplete the above referenced well to the Blinebry formation and DHC with the Drinkard and Wantz Abo formations. Attached is a summary of the proposed procedure.

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

SIGNATURE Kelly Cook TITLE _____ DATE May 2, 1997

TYPE OR PRINT NAME Kelly Cook

TELEPHONE NO. 393-7106

(This space for State Use)

APPROVED BY Paul Kautz TITLE Geologist DATE MAY 06 1997

CONDITIONS OF APPROVAL, IF ANY:

Marathon Oil Company
Mark Owen Well No. 4
Recomplete to Blinebry & DHC
w/Drinkard & Abo
C-103 Intent Attachment
May 2, 1997
Page 1

1. MIRU pulling unit. Kill well. POOH w/rods and pump. ND wellhead. NU BOPE. POOH w/production tubing.
2. RIH w/5 ½" RBP and set at ±100'. Pressure test. RIH and set pkr at ±80'. Pressure test. Rel pkr and RBP, POOH with both.
3. RIH w/pkr and RBP on 2 3/8" tbg. Set RBP at ±6250' and pkr at ±6240'. Test RBP. Rel pkr and circ hole clean. Set pkr at ±5400'. Test squeeze perfs 5132-5207' to 500 psi. Rel pkr and POOH. RIH w/RBP w/ball catcher and set at 6000'. Pickle tbg w/600 gals 15% HCL acid. Reverse circ spent acid. POOH.
4. RU wireline company. Test lubricator. RIH w/4" port guns and selectively perforate Blinebry formation w/2 JSPF, 120 degree phasing at 5642-50', 5660-80', 5686-5700', 5708-12', 5752-56', 5772-86', 5800-10' (148 holes). RD wireline company.
5. RIH w/RBP overshot and pkr to ±5550'. Set pkr. Load backside w/2% KCL water. Pressure test.
6. RU acid company. Acidize Blinebry perfs 5642-5810' with 3700 gals 15% Ferchek acid and 150 ball sealers. RD acid company.
7. RU swab equipment. Swab back spent acid. RD swab. Rel pkr at ±5550'. RIH and latch onto RBP at 6000'. Rel RBP and POOH.
8. RU hydro testers. RIH w/pkr ±5450' hydro testing to 8100 psi. RD hydro testers. Set pkr at ±5450'. Load backside and test.
9. RU stimulation company. Sand fracture Blinebry perfs 5642-5810'. Tag pad w/SC-46 and sand w/1R-192. Flush to top perf w/linear gelled KCL water. RD stimulation company.
10. Install flowback manifold if needed.
11. RU slickline company. RIH w/sinker bar and check for fill. If no sand, run GR tracer log (5400-5950'). RD slickline company. Release pkr at ±5450' and POOH.
12. RIH w/pkr, on/off tool, and tbg. Set pkr at ±5550'. RU swab equipment. Swab back frac load. RD swab. Release pkr and POOH.

Marathon Oil Company
Mark Owen Well No. 4
Recomplete to Blinebry & DHC
w/Drinkard & Abo
C-103 Intent Attachment
May 2, 1997
Page 2

13. RIH w/RBP w/ball catcher. Set RBP at $\pm 5625'$. RIH w/pkr and set at 5610'. Pressure test. Release pkr and circ hole clean. POOH.
14. RU wireline company. Pressure test lubricator. RIH w/4 port guns and selectively perf Blinebry formation w/2 JSPF 120 degree phasing at 5456-66', 5472-5508', 5516-24', 5528-34', 5538-42', 5546-50', 5574-78', 5587-5610' (190 holes). RD wireline company.
15. RIH w/RBP overshot, pkr and tbg to $\pm 5400'$. Set pkr at $\pm 5400'$. Load backside w/2% KCL water, test.
16. RU acid company. Acidize Blinebry perfs 5456-5610, w/4500 gals of 15% Ferchek and 200 ball sealers. Flush to bottom perf w/2% KCL water. RD acid company.
17. RU swab equipment. Swab back spent acid. RD swab. Rel pkr at $\pm 5400'$. RIH and latch onto RBP at $\pm 5625'$. Rel and POOH.
18. RIH w/production string. Land tbg with seating nipple at $\pm 5830'$. ND BOPE. NU wellhead. RIH w/rod string. RDMO pulling unit.

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

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

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.
30-025-070400002

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.
565500

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.)

7. Lease Name or Unit Agreement Name

1. Type of Well:

OIL
WELL ☒

GAS
WELL ☐

OTHER

Mark Owen

2. Name of Operator

Marathon Oil Company

8. Well No.

4

3. Address of Operator

P. O. Box 552, Midland, TX 79702

9. Pool name or Wildcat

Drinkard - Wantz Abo

4. Well Location

Unit Letter K 1980 Feet From The South Line and 1980 Feet From The West Line

Section 35 Township 21S Range 37E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

GR 3371'

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: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Downhole Commingle PVC 836 ☐

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.

On 5/20/92 Marathon Oil Company initiated operations to acid stimulate and downhole commingle the Wantz Abo and Drinkard.

1. MIRU. POOH w/production equipment & pkr. Acid stimulate Wantz Abo w/8400 gals 15% NEFE, 700 gals toluene & 700 gals xylene. Swabbed well back. Installed 2 3/8" tbq, rods & pump. Put well on test. RDMO.

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

SIGNATURE Thomas M. Price TITLE Advanced Engineering Tech. DATE 6/3/92

TYPE OR PRINT NAME Thomas M. Price TELEPHONE NO. 682-1626

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

JUN 08 92

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P.O. Box 1980, Hobbs, NM 88240
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State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-116
Revised 1/1/89

GAS - OIL RATIO TEST

Operator Marathon Oil Company		Pool Drinkard - Wantz - Abo		County Lea												
Address P. O. Box 552, Midland, TX 79702		TYPE OF TEST - (X) <input checked="" type="checkbox"/> P		Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>												
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	SIZE	CHOKES	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU FT/BBL	
		U	S	T	R							WATER BBL'S	GRAV. OIL	OIL BBL'S		GAS MCF
Mark Owen	4	K	35	21S	37E	05/31/92	P	N/A	N/A		24	33	40.0	22	123	5591
Downhole Commingling Permit No. (DHC #836)									Drinkard Wantz-Abo	0% oil 100% oil		73% gas 27% gas		0 22	90 33	

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

(See Rule 301, Rule 1116 & appropriate pool rules.)

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

Signature

Thomas M. Price

Thomas M. Price, Advanced Eng. Tech.
Printed name and title

6/3/92
Date
(915) 682-1626
Telephone No.