

Submit 3 Copies To Appropriate District Office

District I

1625 N. French Dr., Hobbs, NM 88240

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

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

Form C-103

Revised March 25, 1999

WELL API NO.

30-025-36068

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name:

Mary 7 State

8. Well No.

1

9. Pool name or Wildcat

Osudo; Morrow (Gas)

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 ☐ Gas Well ☒ Other

2. Name of Operator

Matador Operating Company

3. Address of Operator

310 W. Wall, Suite 906 Midland, TX 79701

4. Well Location

Unit Letter C : 990 feet from the North line and 1500 feet from the West line

Section 7 Township 21S Range 35E NMPM Lea County

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

3678 GL

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 ☐ MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Completion ☒

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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

See Attached



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

SIGNATURE

TITLE

Production Analyst

DATE

Type or print name

Diane Kuykendall

(This space for State use)

APPROVED BY

TITLE

Conditions of approval, if any:

PETROLEUM ENGINEER

JUN 09 2003

Matador Operating Company

Mary 07 State #1
Sec 7, T21S, T35E

API # 30-025-36068
Lea County, New Mexico

Date : 1/13/2003
Activity: Ran Production String
Days On Completion: 1
Remarks : Fin conditioning hole to run 4 1/2" prod lnr. Hole was unstable after rmg DST. TOO H & PU lnr. TIH & set lnr. Circ & cond mud to cmt lnr @ RT. Will cmt, cleanout out to TOL,

Date : 1/14/2003
Activity: WO Cmt
Days On Completion: 2
Remarks : Fin circ & cond mud. Cmt lnr w/ full rtns. TOO H & LD lnr setting tools. PU drlg BHA & TIH to 9600'. Circ & WOC @ RT.

Date : 1/15/2003
Activity: LD Drill String
Days On Completion: 3
Remarks : Circ & WOC. TIH & drl 96' hard cmt to TOL. CBU & TOO H. PU pkr & TIH. Displ DP w/ FW f/ neg test. Test OK. TOO H. TIH w/ DP & DC. TOO H & LDDP.

Date : 1/16/2003
Activity: RD
Days On Completion: 4
Remarks : Fin LDDP & DC's. Rel Patterson #46 @ 1700 hrs on 1/15/03.

Date : 1/17/2003
Activity: Waiting on Completion Rig
Days On Completion: 5

Date : 1/18/2003
Activity: Waiting on Completion Rig
Days On Completion: 6

Date : 1/19/2003
Activity: Waiting on Completion Rig
Days On Completion: 7
Remarks : Moving in rig 1/20/2003

Date : 1/20/2003
Activity: Waiting on Completion Rig
Days On Completion: 8

Date : 1/21/2003
Activity: MIRU
Days On Completion: 9
Remarks : MIRU Eunice Well Service. NU 10K x 5K spool 5000 Hyd BOP, Drill package. Received 396 joints 2-3/8" L-80 4.7# EUE 8rd tubing. Cleaned and inspected pins and collars. Found 2 bad collars. PU and RIH with 3-3/4" Cone Buster mill, XO, 6 3-1/8" DC, XO, 246 joints 2-3/8" tubing. SDON.

Date : 1/22/2003
Activity: Clean out to PBTD @ 12,244'
Days On Completion: 10
Remarks : Continued to PU and RIH with 2-3/8" L-80 4.7# EUE 8rd tubing. Tagged up with mill at 10,698'. Tested casing to 1500 psi. Drilled 18' cement and fell through. Re-tested to 1500 psi with good test. Worked mill through TOL at 10,691' with no tag or drag. Continued PU tubing and RIH stopping to circulate out drilling mud. Tagged PBTD at 12,244'. Circulated hole clean with 450 bbls 7% KCL FW + 2% by volume packer chemical. SDON.

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API # 30-025-36068
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Date : 1/23/2003

Activity: Pull logs

Days On Completion: 11

Remarks : POOH with 2-3/8" L-80 4.7# EUE 8rd tubing, LD, DC's and 3-3/4" cone buster mill. MIRU JSI wireline. RIH with CBL-CCL-GR tools. Found wireline PBTD at 12,228'. Pulled log with no pressure applied from 12,228' to 11,700'. RIH to 12,228'. Applied 1500 psi to casing and held. Pulled log to 10,691'. TOL and into 7" casing. Continued to TOC at 6810' from surface. Log showed good to fair bond on 4-1/2" liner. LD tools. PU 3-3/4" GR and JB. RIH. Did not tag or drag while RIH or POOH through liner top. RDMO wireline. MIRU pump truck. Tested casing and BOP TO 5000 psi. RDMO pump truck. PU 69' of 3-3/8" TRI Point TCP Perf guns. RIH 60' and SDON.

Date : 1/24/2003

Activity: Spot TCP guns

Days On Completion: 12

Remarks : Finished picking TCP , tools and packer as follows: 74.92' Guns, FH and Auto Release (74.92' to be relased and dropped to bottom), 2-7/8" x 4', 2-7/8" x 2-3/8" XO, 1 joint 2-3/8" L-80, Vent sub, 1 joint 2-3/8" L-80, 2-3/8" Profile 1875XN 1.791NG, 1 joint 2-3/8" L-80, 2-3/8" x 4-1/2" Arrow set IX 10K packer dressed for 13.50# with carbide slips, 2-3/8" O/O 10K tool with 1.875 X profile, 1 joint 2-3/8" L-80, 2-3/8" x 6' RA sub, 369 joints 2-3/8" L-80 4.7# EUE 8rd tubing, 3 2-3/8" x 2' x 10' x 10' L-80 subs testing to 10,000 psi above slips. Correlated guns on depth to Halliburton Open hole log dated 1-6-03 with JSI wireline in 2 runs. First run to correlate RA sub on depth, Set packer confirm depth on 2nd run. SDON prep to land 10K tree, test and perf AM.

Tubing Detail:

1jt	2-3/8" 4.7# EUE 8rd tbg	31.65
	3 2-3/8" x 10' x 9.92' x 1.95' L-80 subs	21.87
369 jts	2-3/8" 4.7# EUE 8rd tbg	11685.73
	2-3/8" x 6.13 RA sub	6.13
1 jt	2-3/8" L-80 4.7# EUE 8rd tbg	30.87
	2-3/8" On/Off tool w/ 1.875X profile	1.60
	2-3/8" x 41/2" Arrowset IX 10K packer	6.43
1 jt	2-3/8" L-80 4.7# EUE 8rd tbg	31.76
	2-3/8" 1.875XN w/ 1.791NG profile	1.09
1 jt	2-3/8" L-80 4.7# EUE 8rd tbg	31.64
	2-3/8" vent	1.31
1 jt	2-3/8" L-80 4.7# EUE 8rd tbg	31.67
	2-7/8" Handling sub	4.52
374 jts	total tubing and tools	11886.27
	KB Adjustment	18.00
	EOT	11904.27

Dropped 74.92' guns after firing guns top 12,169

Date : 1/25/2003

Activity: Perforate

Days On Completion: 13

Remarks : ND BOP, NU 2-1/1610K tree. Test top connection and tree to 10,000 psi. Landed tree with packer in 15K compression. Dropped vent tube and opened vent. Packer test was good. MIRU Halliburton. Applied 3000 psi N-2 to tubing with a 500' 9.5# water blanket. RDMO Halliburton. RU lubricator. Dropped bar and fired TCP perf guns. Perf Morrow as follows: 11,894' to 899', 11,902' to 906', 11,920' to 922', 11,946' to 949', 11,958' to 963', 3spf , 57 holes, .48 EH, 25 gram, 41.3 pen. SITP from 3000 psi to 3800 psi in 15 mins. Opened on 12/64" choke. Recovered N-2 45 mins with FTP at 1400 psi on 18/64". Light flare with good burn and 50.6 gravity oil to surface 2,062 MCFPD flow rate. Opened to 20/64" choke and flowed 16 hours, FTP from 1250 psi to 560 psi. Recovered 17.8 bbls oil + 2 bbls water, 1,873 MCFPD to 1,084 MCFPD rate. Continued flow test on 20/64" choke with well tester.

Date : 1/26/2003

Activity: Flow Test

Days On Completion: 14

Remarks : Continued to flow test the Morrow formation for 24 hours. The FTP from 560 psi to 390 psi on a 20/64" choke. Recovered 13.5 bo, no water from 1,084 MCFPD to 924 MCFPD rate this AM. Continued test with well tester.

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Date : 1/27/2003

Activity: Flow Test

Days On Completion: 15

Remarks : Continued to flow test the Morrow formation 24 hours as follows: the FTP from 390 psi to 338 psi on a 20/64" choke for 8 hours, recovered 4.75 bo, 0 bw from 924 MCFPD to 892 MCFPD rate. At 2:00 pm, RIH with pressure bomb and took a flowing pressure gradient and tagged TCP guns at 12,134' GL with KB 12,154' = 191' below bottom perf. Opened choke to a 3/4" open choke. FTP 338 to 125 psi this AM with flow rate at 949 MCFPD. Recovered 3.25 bo, 0 bw in 16 hours. Total 24 hour recovery was 8 bo, 0 bw, 919 MCF. Continued test with well tester. Flowing Pressure Gradient as follows: Surface 332 psi, 2,000' 380 psi, 4,000' 428 psi, 6,000' 479 psi, 8,000' 531 psi, 9,000' 554 psi, 10,000' 580 psi, 11,000' 606 psi, 11,929' 658 psi. Fluid level at 11,824'.

Date : 1/28/2003

Activity: SI

Days On Completion: 16

Remarks : Continued to flow test the Morrow formation 24 hours. The FTP from 125 psi to 109 psi on a 48/64" choke. Recovered 8 bo, 0 bw, flared 949 MCF. Closed well in at 6:00 AM 1-29-03 wait on sales line. Final report until further activity.

Gas Analysis:

Sampled 1/28/03

	Percent
Hydrogen Sulfide	
Nitrogen	0.442
Carbon Dioxide	0.247
Methane	89.841
Ethane	4.827
Propane	2.137
I-Butane	0.240
N-Butane	0.692
I-Pentane	0.193
N-Pentane	1.238
Hexane Plus	1.143
Total	100.00
BTU/ Cu. Ft., dry:	1149
at 14.650 dry:	1145
at 14.650 wet:	1125
at 14.73 dry:	1151
at 14.73 wet:	1131
Specific gravity calc:	0.652
Molecular wt.:	18.9467

Date : 1/29/2003

Activity: SI

Days On Completion: 17

Remarks : Waiting on pipeline

Date : 1/30/2003

Activity: Laying Gas Line

Days On Completion: 18

Remarks : Well SI with SITP at 4440 psi and SICP at 0 psi. MIRU rental Stack Pack string and started laying gas sales line. Prep to continue laying line AM. Waiting on Duke to install sales line connection and set meter run. Sales line 20% complete.

Date : 1/31/2003

Activity: Laying Gas Line

Days On Completion: 19

Remarks : Well SI with SITP at 4600 psi, SICP at 0 psi. Laying gas sales line. Waiting on Duke to install sales line connection and set meter run. Sales line 80% complete. Was made aware that Duke could not install connection or set meter for 2 weeks. SD operations looking at other options. Final report until further activity.

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Mary 07 State #1
Sec 7, T21S, T35E

API # 30-025-36068
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Date : 2/1/2003 Activity: SI Remarks : Waiting on pipeline	Days On Completion: 20
Date : 2/2/2003 Activity: SI Remarks : Waiting on pipeline	Days On Completion: 21
Date : 2/3/2003 Activity: SI Remarks : Waiting on pipeline.	Days On Completion: 22
Date : 2/4/2003 Activity: SI Remarks : Waiting on pipeline	Days On Completion: 23
Date : 2/5/2003 Activity: SI Remarks : Waiting on pipeline	Days On Completion: 24
Date : 2/6/2003 Activity: SI Remarks : Waiting on pipeline.	Days On Completion: 25
Date : 2/7/2003 Activity: SI Remarks : Waiting on pipeline	Days On Completion: 26
Date : 2/8/2003 Activity: SI Remarks : Waiting on pipeline	Days On Completion: 27
Date : 2/9/2003 Activity: SI Remarks : Waiting on pipeline	Days On Completion: 28
Date : 2/10/2003 Activity: SI Remarks : Waiting on pipeline	Days On Completion: 29
Date : 2/11/2003 Activity: SI Remarks : Waiting on pipeline	Days On Completion: 30

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Mary 07 State #1
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API # 30-025-36068
Lea County, New Mexico

Date : 2/12/2003		
Activity: SI	Days On Completion:	31
Remarks : Waiting on pipeline		
Date : 2/13/2003		
Activity: SI	Days On Completion:	32
Remarks : Waiting on pipeline		
Date : 2/14/2003		
Activity: SI	Days On Completion:	33
Remarks : Waiting on pipeline		
Date : 2/15/2003		
Activity: SI	Days On Completion:	34
Remarks : Waiting on pipeline		
Date : 2/16/2003		
Activity: SI	Days On Completion:	35
Remarks : Waiting on pipeline		
Date : 2/17/2003		
Activity: SI	Days On Completion:	36
Remarks : Waiting on pipeline		
Date : 2/18/2003		
Activity: Put on line	Days On Completion:	37
Remarks : SITP at 5100 psi, SICP at 1400 psi. Put on line using rental equipment on location. Flow rate is in the 1050 mcf range. Line pressure is 190 psi at the Mary 7 -1. 20 hour FTP is 1400 psi. 22 bo have been produced, no water. Will continue to produce through rented unit during battery construction.		
Date : 2/19/2003		
Activity: Producing	Days On Completion:	38
Remarks : 67 oil, 749 MCF, 8 water, 1450 tbq pressure, 1280 csg pressure, gas vol est		
Date : 2/20/2003		
Activity: Producing	Days On Completion:	39
Remarks : 14 oil, 894 MCF, 0 water, 825 tbq pressure, 1280 csg pressure		
Date : 2/21/2003		
Activity: Producing	Days On Completion:	40
Remarks : Produced 14 oil, 821 MCF, 0 water, 160 tbq pressure, 275 csg pressure. FTP at 160 psi, SICP at 250 psi. Put on line through permanent equipment location. Flow rate is in the 850 mcf range.		
Date : 2/22/2003		
Activity: Producing	Days On Completion:	41
Remarks : 8 oil, 551 MCF, 2 water, 100 tbq pressure, 400 csg pressure		

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Date : 2/23/2003
Activity: Producing
Remarks : 33 oil, 696 MCF, 0 water, 100 tbg pressure, 450 csg pressure

Days On Completion: 42

Date : 2/24/2003
Activity: Producing
Remarks : 11 oil, 661 MCF, 0 water, 100 tbg pressure, 490 csg pressure

Days On Completion: 43

Date : 2/25/2003
Activity: Producing
Remarks : 8 oil, 581 MCF, 0 water, 300 tbg pressure, 500 csg pressure

Days On Completion: 44

Date : 2/26/2003
Activity: Producing
Remarks : 13 oil, 617 MCF, 0 water, 100 tbg pressure, 500 csg pressure

Days On Completion: 45

Date : 2/27/2003
Activity: Producing
Remarks : 10 oil, 600 MCF, 0 water, 120 tbg pressure, 500 csg pressure

Days On Completion: 46

Date : 2/28/2003
Activity: Producing
Remarks : 10 oil, 582 MCF, 0 water, 110 tbg pressure, 500 csg pressure

Days On Completion: 47