

Submit 3 Copies To Appropriate District Office

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised March 25, 1999

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

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

WELL API NO. 30-025-35664
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: Mary 12 State Com
8. Well No. 2
9. Pool name or Wildcat Wilson; Morrow

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 B : 660 feet from the North line and 1980 feet from the East line
Section 12 Township 21S Range 34E NMPM Lea County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)
3672 GR

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"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: Completion <input checked="" 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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

See Attachment

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

SIGNATURE Russ Mathis TITLE Production Manager DATE 2/6/02

Type or print name Russ Mathis Telephone No. (915) 687-5955

(This space for State use)

APPROVED BY _____ TITLE _____ DATE _____

Conditions of approval, if any: _____

ORIGINAL FILED
PAULI
PETROLEUM ENGINEER
FEB 15 2002

Matador Operating Company

Mary 12 State Com #2
API # 30-0215-35664

Sec. 12, T21S, R34E
Lea Co., NM

11/27/01 Drilling rig off location 11/23/01. Backdrag and level location 11/26/01. Built riser on wellhead. Set mast anchors. MIRU Pool Well Service on 11/27/01. SDON.

11/28/01 Shut down due to weather.

11/29/01 Received 64 joints 2-3/8" 4.7# L-80 EUE 8rd and 355 joints 2-7/8" 6/5# L-80 EUE 8rd new Lone Star tubing from Phillips Casing. Check pressure on wellhead found 500 psi between 13-3/8" and 9-5/8" csg. 0 psi between 9-5/8" and 7" csg. and 600 psi on 7" csg. Bleed off 13-3/8" x 9-5/8" in 30 seconds recovered gas only. Bleed off 7" csg in 1 minute recovered gas and green oil. Remove tubing head, order out 11" 5000 x 11" 5000 spool with outlets blinded. Wait on same. Install 11" 5000 spool, test seal area to 4200 psi. "Note: found 7" neck above slips to be worn on the top and slightly bent on one side." Install 11" 5000 x 7-1/16" 10,000 tubing head "Note: 11" 5000 spool was installed to raise tubing head out of cellar." NU 7-1/16" 5000 hydraulic BOP. Test BOP, wellhead & 7" csg to 5000 psi for 15 minutes, okay. Clean tubing threads. Received 2 mmbtu stack from NATCO with 10,000 psi coils (2-1/2" XXH) and 30" x 10' 1440 separator. Received 30" x 10' 3 phrase 125 psi separator from Sivalis. Will receive Dehy on 11/30/01. Conoco is ditching for gas line, expects to be ready to take gas 12/7/01.

11/30/01 RIH with 3.75" mill, 6 2-7/8" DC'S, 56 joints 2-3/8" tubing, 2-3/8" x 2 7/8" x-over and 290 jts of 2 7/8" tubing. Tag cement in top of liner at 11151" with 22' out on last joint. Lay down top joint. SWI, SDON. Continued building battery. Note: tubing couplings are hanging up on 7" stub in wellhead. Recall that 7" was filed down previously when tubing head was removed to install spacer spool. When seal rings were inspected in shop, they were worn down and bit guide was completely worn down to wellhead ID. After 4-1/2" is cleaned out the wellhead will be removed to re-inspect and dress off the 7" stub.

12/01/01 SITP and CP is 0 psi. RU power swivel and stripper head. Break circulation in reverse. Drill out firm cement from 11151-11152'. Clean out to 11206'. No cement stringers. Circulate clean. LD power swivel. Continue to pick up 2-7/8" tubing to 12772'. Pick up swivel. Drill out cement bridge from 12772-12773'. Clean out to 12911 tubing measurement **PBTD**. Circulate clean. LD power swivel. RU pump truck. Test casing and liner to 5000 psi for 5 minutes - ok. ND stripper head. Change out elevators. TOH with 60 joints 2-7/8" tubing to 11006'. SWI, SDON. Set 500 bbl **frac** tank and load with 500 bbls 10# brine and 4 drums PF-40 **packer** fluid.

12/03/01 Well has 0 psi. RIH with tubing to 12911'. Reverse circulate 450 bbls 10# brine containing 220 gals Pro Kem PF-40 **packer** fluid. POH with tubing and laid down collars. SWI, SDON. Roustabout crew continued to build battery. Welder started welding 3" gas sales line. Contractor filled stack pack with 48 bbls of glyco.

12/04/01 Vacuum truck emptied cellar and reverse pit. Removed BOP and tubing head. Removed 11" 5K spacer spool. Sent to shop to build the bore to 6-3/4" with taper. The tubing head had damage to the wrap around seal area. Sent head to shop for machine work. Roustabout crew continued to build battery. Backhoe dug ditch for gas sales line. Conoco worked on sales line.

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- 12/05/01 Re-cut 7" casing to accept shorter secondary seal bowl. Beveled inside and outside of casing. Installed 11" 5K x 11' 5K spacer spool. Tested ring gasket, primary and secondary seals to 4200 psi - ok. Installed 11" 5K x 7-1/16" 10K tubing head. Installed BOP. Loaded hole with 15 bbls 10# brine with **packer** fluid. Pressured wellhead assemblies and casing to 5000 psi - ok. RU Jarrel wireline and ran CBL, CCL, GR from 12900' to 11156 with 0 psi. Logged 12900 - 11156 with 1500 psi. Free pipe is 82 mv in 4.5" 13.5# casing. From 12900 - 12768 2-30 mv, 12768-12740 45 mv, 12740-12560 2-45 mv, 12560-12500 2mv, 12500-11156 45-72 mv with a few 2-4' areas with 10-15 mv reading. RD wireline. SWI, SDON. Roustabout crew continued to build battery. Backhoe dug ditch for gas sales line. Conoco worked on sales line. Note: will be picking up TCP guns am 12/06/01.
- 12/06/01 Picked up TCP guns testing **packer** and below to 7500 psi. RIH with tubing string testing to 9000 psi. SD with 2 joints left to RIH. SWI, SDON. Roustabout crew continued to build battery. Rigged up flow back equipment. Conoco worked on sales line.
- 12/07/01 PU 2 jts tbg. RU Jarrel WL to correlate TCP guns. Made run and added spacing subs. Set **packer** with radioactive sub in place at 12591'. Packed off **packer** w/25 pts up and down. Spotted collar a landing position. Made correlation confirmation long run. Found R/A sub in at 12591'. RD loggers. ND BOP. Install extended neck adapter w/ 2 31/64" acme backpressure threads. Adapter has 2 7/8" EUE 8rd threads top and bottom. Landed adapter in tbg hanger. Landed tbg w/ 6pts on **packer**. Installed 7 1/16" 10K x 2 9/16" 10k extended neck adapter, 2- 2 9/16" 10K OCT valves, 1- 2 9/16" 10K cross, 1- 2 9/16" swab valve 1- 2 9/16" wing valve, 1- 2 9/16" National OW & Bettis safety valve, 1- 2 9/16" Cameron choke. Tested seal adapter, ring gasket and tbg head seal to 10K O.K. Tested tree to 10000 psi O.K. Dropped vent tube shearing pin in 38 sec. Tbg csg annulus stable. RU Howco N@ and pressured tbg to 1600 psi w/ 42,000 SCF of N2. Nitrogen created 2500 psi BHP. Dropped firing bar and **perforated** Middle Morrow at 12,723-28 w/ 31 hole and 12743-65 w/126 hole. **Perforated** w 3 3/8" Millennium charges 25 GR, .48 entry hole, 43" Penetration 6 SPF by Howco. Pressure increased from 1500 psi as follow 1min 1700, 2 min- 1900, 3 mins- 2100 4 min-2350, 5 min -2400. RD N2 equipment. Start flowing to test equipment. Gas to surface in 31 mins flowing 2 MMCF/D rate. Increased rate to 5 MMCF/D at 2400 psi and pressure climbing. After 13 hrs FTP 2540 with 5.2 MMCF/D.

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Tubing Detail:

1 jt	2-7/8" EUE 8rd L-80	31.72
	2 - 2-7/8" EUE 8rd L-80 subs	13.92
347 jts	2-7/8" EUE 8rd L-80 6.5#	11009.83
	2-7/8" x 2-3/8" x-over (2 ID, 3.63 OD)	0.45
48 jts	2-3/8" EUE 8rd L-80 4.7#	1518.27
	2-3/8" EUE 8rd L-80 R/A marker sub	4.05
1 jt	2-3/8" EUE 8rd L-80 4.7#	31.73
	2-3/8" TOSSD with 1.875 X nipple (1.875 ID, 3.5 OD)	1.97
	4-1/2" PLS 11.6-13.5# packer 50 point shear	4.00
	2-3/8" EUE 8rd L-80 sub	10.05
	2-3/8" x 1.875 XN with 1.971 No-Go	1.35
	2-3/8" EUE 8rd L-80 4.7#	31.79
	2-3/8" max. driff bar vent	2.35
1 jt	2-3/8" EUE 8rd L-80 4.7#	31.78
	3-3/8" auto release mech firing head with 1.560 No-Go	12.74
	3-3/8" millennium perf guns (3.375 OD)	42.00
	Bull plug (3.375 OD)	<u>0.75</u>
398 jts	total tubing and tools	12748.75
	KB Adjustment	<u>17.00</u>
	EOT	12765.75

12/08/01	Well flowing to test equipment. Flowing 5.2 MMCF/D rate w/ 2550 psi on tbg. SWI at 10:30 am CST with pressure building to 2690 in 2.5 hrs and holding. Gas gravity .607. Sent gas samples to Lab Services in Hobbs. Well produced 1.8 bbls water and 1.5 bbls condensate while flowing.
12/09/01	Welder and roustabout crew installed flow line at well. Conoco testing gas line. Well will be placed on production 12/10/01.
12/10/01	RDPU. RD flowback equipment. Turn well to sales. Well production at 5 MMCF per day with 2450 flowing tbg pressure on 22/64 choke. Flowing tbg pressure on 12/11/01 am at 2525 psi with spot rate of 5.1 million.
12/11/01	41 oil, 3238 MCF, 0 water, 2500 tbg pressure, 24/64 choke
12/12/01	31 oil, 4112 MCF, 0 water, 2550 tbg pressure, 24/64 choke. Rate down due to choke plugging. Cleared choke and rate came back up to 5+ MMCF/D.
12/13/01	38 oil, 4901 MCF, 0 water, 2350 tbg pressure, 24/64 choke
12/14/01	58 oil, 7793 MCF, 3 water, 2150 tbg pressure
12/15/01	75 oil, 10208 MCF, 3 water, 2100 tbg pressure
12/16/01	80 oil, 10680 MCF, 9 water, 2080 tbg pressure
12/17/01	83 oil, 10803 MCF, 3 water, 2050 tbg pressure
12/18/01	80 oil, 10757 MCF, 5 water, 2020 tbg pressure
12/19/01	99 oil, 13784 MCF, 6 water, 1580 tbg pressure, 37.5/64 choke
12/20/01	102 oil, 14058 MCF, 6 water, 1570 tbg pressure
12/21/01	101 oil, 13858 MCF, 3 water, 1570 tbg pressure
12/22/01	91 oil, 13237 MCF, 0 water, 1560 tbg pressure
12/23/01	96 oil, 14039 MCF, 0 water, 1550 tbg pressure
12/24/01	103 oil, 13967 MCF, 17 water, 1540 tbg pressure

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12/25/01	94 oil, 13926 MCF, 3 water, 1530 tbg pressure
12/26/01	97 oil, 13938 MCF, 6 water, 1510 tbg pressure
12/27/01	100 oil, 13904 MCF, 6 water, 1500 tbg pressure
12/28/01	99 oil, 13944 MCF, 6 water, 1490 tbg pressure
12/29/01	90 oil, 13903 MCF, 6 water, 1480 tbg pressure
12/30/01	100 oil, 13850 MCF, 3 water, 1480 tbg pressure
12/31/01	56 oil, 13784 MCF, 3 water, 1460 tbg pressure
01/01/02	91 oil, 13725 MCF, 3 water, 1460 tbg pressure
01/02/02	91 oil, 13668 MCF, 3 water, 1450 tbg pressure
01/03/02	92 oil, 13408 MCF, 5 water, 1450 tbg pressure
01/04/02	86 oil, 13225 MCF, 3 water, 1400 tbg pressure
01/05/02	89 oil, 13539 MCF, 3 water, 1400 tbg pressure
01/06/02	88 oil, 13669 MCF, 4 water, 1400 tbg pressure
01/07/02	91 oil, 13614 MCF, 3 water, 1400 tbg pressure
01/08/02	86 oil, 13557 MCF, 3 water, 1390 tbg pressure
01/09/02	88 oil, 13505 MCF, 2 water, 1390 tbg pressure
01/10/02	88 oil, 13452 MCF, 5 water, 1380 tbg pressure
01/11/02	86 oil, 13409 MCF, 3 water, 1370 tbg pressure
01/12/02	86 oil, 13354 MCF, 6 water, 1360 tbg pressure
01/13/02	86 oil, 13515 MCF, 1 water, 1280 tbg pressure, opened to 42/64 choke
01/14/02	88 oil, 13590 MCF, 6 water, 1280 tbg pressure
01/15/02	86 oil, 13541 MCF, 6 water, 1280 tbg pressure
01/16/02	76 oil, 13483 MCF, 3 water, 1270 tbg pressure