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.
30-025-35550

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

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

7. Lease Name or Unit Agreement Name:
Mary State "12" Com

2. Name of Operator
Matador Operating Company

8. Well No.
1Y

3. Address of Operator
310 W. Wall, Suite 906 Midland, TX 79701

9. Pool name or Wildcat
Wilson; Morrow

4. Well Location
Unit Letter O : 660 feet from the South line and 1880 feet from the East line

Section 12 Township 21S Range 34E NMPM Lea County

10. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3707 RKB

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER:	☐			OTHER: Well 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 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 9/28/01

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

(This space for State use)

APPPROVED BY _____ TITLE _____ DATE _____

Conditions of approval, if any:

Matador Operating Company

Mary State 12 Com #1 Y **30-025-35550**
Lea Co., NM Sec. 12, T21S, R34E

07/20/01 Backhoe and roustabout crew cleaning location and leveling tank pad. Vacuum truck pulling water off location and cellar. Truck picked up stack pack from Natco and delivered to location. Received 3 phase separator from Sivalls.

07/23/01 Roustabout crews, backhoe built pads for tanks and stack pack. Set 2 steel 500 bbl stock tanks and 1 300 bbl open top fiberglass tank. Set 1.5 MMBTU stack pack. Welder building flowline. Crew plumbed cellar valves to surface. Received 409 joints, 13007.80' 2-7/8" EUE 8rd 6.5# L-80 tubing. Crew removed thread protectors and inspector cleaned tubing. Inspector found 1 bad joint.

07/24/01 Fill cellar, set matting boards, MIRUPU. Set in reverse equipment. Remove tubing hanger, installed 7-1/16 10K BOP. RIH with 4-3/4" bit, 5-1/2" casing scraper and tubing. Ran 386 joints tubing of 2-7/8" EUE 8rd 6.5# L-80. SWI, SDON. Set **frac** tank and filled with 400 bbls 6% KCL. Welders building flowline and gas sales line. Roustabout crew plumbing production equipment. Natco set glycol dehydration unit. Set 3 anchors for dehy tower.

07/25/01 FIH with tubing. Tagged up at 12600'. Tested BOP to 2000 psi. Drilling cement, wiper plug, and float collar to 12670. Circulate hole clean. Tested casing to 5030 psi - ok. Displace hole with 6% KCL containing 220 gals Pro Kem **packer** fluid and 5 gals oxygen scavenger. LD 11 joints tubing. POH with tubing, collars, casing scrapper and bit. Welders building flowline and gas sales line. Roustabout crew plumbing production equipment. Natco hooking up dehy. RU crane to change guy wires to 1/2" cable and changed 1/2" piping to 3/4" pipe. Backhoe assisted in operations. Conoco testing gas line.

07/26/01 RU Baker atlas. RIH with CBL, CCL and tagged **PBTD** at 12682'. Ran log from 12682-12000'. Lad casing with 30 bbls 6% KCL containing **packer** fluid. Pressured casing to 1500 psi. Logged from 12682-8150'. Top of cement at 8490'. Cement bond good to 9590'. Poor bond from 9590-11750. Bond good from 11750-11850'. Bond poor from 11850-12150. Bond good with isolation over **perf** intervals. PU **packer**, profile nipples with top assembly and test to 7500 psi - ok. PU 200' of TCP guns. RIH with tubing, testing to 9500 psi above slips. Found 2 collar leaks. SD with 120 joints in hole. SWI, SDON. Set in back-up flow back equipment. Roustabout crews, welders and backhoe are building battery.

07/27/01 Continued testing pipe finding several collar leaks. Cleaned several connections, re-doped tbg w/ tbg dope. The connection still leaked. The connection would break out with a 36" pipe wrench. Laid down tbg above guns. Laid down TCP guns. RIH w/tbg. Laid down all tbg, installing thread protectors on each jt. Roustabout crews, welders an backhoe are building battery.

07/28/01 Removed 409 jts tbg from the rack. Received 393 jts 2 7/8" EUE 8rd L-80tbg. Removed BOP. Installed tree and fitted the flow line to the stack pack. Removed tree and BOP. Installed new thread protectors on tbg and RIH w/ 2 7/8" SN and 300jts of tbg. Roustabout crews, welders and backhoe are building battery.

07/29/01 FIH w/ a total of 394 jts 2 7/8" tbg. Pickle tbg w/ 500 gals 15%HCL DI. Reverse **acid** to pit w/ a total of 160 bbls 6% KCL containing **packer** fluid. Laid down 14 jts and POH w/ 380 jts. PU **packer** assembly and test to 7500 psi. Tie assembly off in derrick. PU 200' 4" TCP guns. RIH w/ BHA and tbg testing to 9500psi above slips. SD w/ 140 jts in the hole.

07/30/01 FIH with tubing while testing to 9500 psi above slips. RU Baker wireline to run correlation log. Added subs and 1 joint of tubing. Tested subs and tubing to 9500 psi. Removed BOP, set Howco PLS packer and packed off with 25 points. Installed BO2 bushing, 2-9/16" 10K

tree, safety valve, and choke. Tested tree, BO2 bushing to 9500 psi. Landed tree. RIH with wireline to verify gun depth. RD wireline. Attempted to test wrap around and ring gasket. Found pack off material in the test port. Attempt to drill material without success. Removed hold down lug. Tooled and tested plug for hold down hole and will install 7/31/01.
Perforating and tubing detail:

	2-7/8 EUE 8rd L-80 6.5#	31.80	48.80
	2 - 2-7/8 EUE 8rd L-80 6.5 tubing subs	20.26	69.08
380 jts	2-7/8 EUE 8rd L-80 6.5#	12003.02	
	2-7/8" EUE 8rd L-80 6.5# sub	6.12	12072.82
1 jt	2-7/8" EUE 8rd L-80 6.5#	31.75	12078.94
	2-7/8 TOSSD with 2.313 X profile **nipple** ID 2.313 OD 4.70	2.00	12110.69
	5-1/5" x 2-7/8" Howco PLS 13-17# packer ID 2.360 OD 4.70	4.07	12112.69
1 jt	2-7/8 EUE 8rd L-80 6.5#	31.70	12116.76
	2-7/8 XN **nipple** with 2.205 no-go ID 2.205 OD 2.875	1.41	12148.46
1 jt	2-7/8 EUE 8rd L-80 6.5#	31.79	12149.87
	Max diff bar vent ID 2.441 OD 3.680	1.32	12181.66
1 jt	2-7/8 EUE 8rd L-80 6.5#	31.82	12182.98
	2-7/8 EUE 8rd L-80 6.5#	6.15	12214.8
	Auto release firing head ID 1.560 OD 3.375	2.05	12220.95
	11 - 4" guns loaded 4 SPF with 39 GR charges Top shot		12223.00
	351 holes .46 entry 36.10' penetration	200.00	
	Bottom shot		12423.00
	Bull plug	0.90	
384 jts	total tubing and tools	12406.16	
	KB Adjustment	17.00	
	End of Guns	12423.16	

**Actual comp length was .74 reflecting in numbers at right.

07/31/01 Installed test plug in the hold down lug. Tested wrap around and ring gasket to 6800 psi. Dropped vent tube with tube hitting knock out plug in 1min 8 sec. Casing pressure stable at 50 psi. This transferred 25 points of compression to packer. RU N2 and blow flow line clean through choke on stack. Pressure tested flow line to stack to 6000 psi. Pressured tubing to 2900 psi with 97145 scf N2. This creates a 3000 psi underbalance. RD Schlumberger N2. Installed drop bar lubricator. Dropped perforating bar. Bar hit and guns fired in 3 min 8 sec. Perforating 12223-29, 12235-40, 12251-56, 12292-99, 12308-28, 12338-74, 12411-23 with 4 spf, 39 gram charges, .46 entry hole, 36.1" penetration. Pressure increase as follows: 1 min 4000 psi, 2 min 4700, 3 min 4900, 4 min 4950, 5min 4975. Remove lubricator and RU to test equipment. After 1hour, shut in pressure increased to 5050 psi. Opened well on 10/64" choke at 3 MMCFD with pressure at 4975 psi. Unloaded N2 and water with gas to surface in 38 mins. Flowing on a 12/64" choke, tubing pressure 5250. Made total 10 bbls water and 14 bbls condensate in 2 hours. Switched to production equipment. Shut in tubing pressure at 5300 psi. Purge Conoco gas line. Opened well on 12/64" flowing 3.1 MMCFD at 5150 psi, producing 5-9 bbls condensate per hour. Put dehy into service. At 5:00 am, 08/01/01, well is flowing 3.236 MMCFD, tubing pressure at 5100 psi on 12/64" choke. Well is making 4-8 bbls, 51.2 gravity condensate per hour.

08/01/01 Flowed 130 BO + 2237 MCF in 19 hours. Well shut in on high sales line pressure at 2:30 am 8/02/01. Well was shut in for 5 hours. SITP after 5 hours at 5025. Prior to shut in, the last rate was 3.15 MMCFD with 5000 FTP. Preparing to open well at report time. Well open to 6 MMCFD.

Matador Operating Company

Mary State 12 Com #1 Y **30-025-35550**
Lea Co., NM Sec. 12, T21S, R34E

08/02/01 Flowed 171 BO + 6069 MCF overnight. At 5:00 am, 08/03/01, flowrate at 6.447 MMCFD, FTP 4800 on 19/64 choke.

08/03/01 310 BO, 6070 MCF, 4650 tbg pressure

Component analysis:

Component	Mol %	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	0.369	
Carbon Dioxide (CO2)	0.479	
Methane (C1)	91.278	
Ethane (C2)	4.315	1.151
Propane (C3)	1.810	0.498
I-Butane (IC4)	0.270	0.088
N-Butane (NC4)	0.653	0.205
I-Pentane (IC5)	0.211	0.077
N-Pentane (NC5)	0.203	0.073
Hexane Plus (C6+)	0.412	0.179
	100.000	2.271

BTU/Cu. Ft. - dry	1110	Molecular weight - 18.2671
At 14.650 - dry	1107	
At 14.650 - wet	1087	
At 14.730 - dry	1113	
At 14.730 - wet	1093	

Specific Gravity	
Calculated	0.630
Measured	

08/04/01 311 oil, 7925 MCF, 4650 tbg pressure

08/05/01 338 oil, 8136 MCF, 4550 tbg pressure, 220 csg pressure

08/06/01 373 oil, 8087 MCF, 4250 tbg pressure, 220 csg pressure, 19/64 choke

08/07/01 337 oil, 8064 MCF, 2 water, 4200 tbg pressure, 224 csg pressure, **CORRECTED**

08/08/01 272 oil, 7624 MCF, 1 water, 4100 tbg pressure, 222 csg pressure
Note: well shut in due to low stack temp at 2:00 am. Open well at 2:30 am at lower rate while raising temp. Will open well to 8 MMCFD at 8:00 am 8/8/01.

08/09/01 283 oil, 7490 MCF, 3 water, 4000 tbg pressure, current rate 7507 MCFD

08/10/01 296 oil, 7780 MCF, 2 water, 3900 tbg pressure

08/10/01 Moved stack pack from Red Hills #5 to location. Welder and roustabout crew connecting unit.

08/11/01 280 oil, 7527 MCF, 1 water, 3800 tbg pressure, 238 csg pressure, 22/64 choke
Welder and Roustabout crew connecting unit. Tech installed safety SD equipment. Heated unit, pressure tested for leaks and started selling gas at rate of approzimately 10700 MCFD.

08/12/01 338 oil, 9382 MCF, 4 water, 3500 tbg pressure, 245 csg pressure, 23/64 choke. Current rate at 10674 MCFD.

08/13/01 376 oil, 10838 MCF, 3 water, 3380 tbg pressure, 245 csg pressure, 23/64 choke. Current rate at 10422 MCFD.

08/14/01 352 oil, 10728 MCF, 3 water, 3260 tbg pressure, 250 csg pressure. Flowrate at 10429 MCFD.

08/15/01 334 oil, 10583 MCF, 1 water, 3200 tbg pressure, 250 csg pressure. Flowrate at 10329 MCFD.

08/16/01 325 oil, 10047 MCF, 3 water, 3100 tbg pressure, 245 csg pressure. Flowrate at 9866 MCFD. Opened choke, current flowrate 10590 MCFD.

08/17/01 275 oil, 10408 MCF, 3 water, 3000 tbg pressure. Flowrate at 10303 MCFD.

08/18/01 277 oil, 10246 MCF, 2 water, 3000 tbg pressure

Matador Operating Company

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08/19/01	309 oil, 9716 MCF, 3 water, 2800 tbg pressure
08/20/01	305 oil, 9778 MCF, 3 water, 2720 tbg pressure
08/21/01	264 oil, 9696 MCF, 2 water, 2700 tbg pressure
08/22/01	274 oil, 10205 MCF, 3 water, 2550 tbg pressure
08/23/01	279 oil, 10147 MCF, 4 water, 2500 tbg pressure
08/24/01	270 oil, 10429 MCF, 3 water, 2370 tbg pressure
08/25/01	260 oil, 10544 MCF, 3 water, 2300 tbg pressure
08/26/01	258 oil, 10281 MCF, 4 water, 2250 tbg pressure
08/27/01	238 oil, 9946 MCF, 3 water, 2200 tbg pressure
08/28/01	234 oil, 10243 MCF, 3 water, 2100 tbg pressure
08/29/01	237 oil, 10042 MCF, 4 water, 2050 tbg pressure
08/30/01	222 oil, 10160 MCF, 3 water, 1980 tbg pressure
08/31/01	221 oil, 10242 MCF, 3 water, 1920 tbg pressure
09/01/01	198 oil, 10066 MCF, 3 water, 1920 tbg pressure
09/02/01	198 oil, 10066 MCF, 18 water, 1800 tbg pressure
09/03/01	188 oil, 10288 MCF, 3 water, 1700 tbg pressure
09/04/01	205 oil, 10113 MCF, 3 water, 1680 tbg pressure
09/05/01	174 oil, 9880 MCF, 4 water, 1620 tbg pressure
09/06/01	165 oil, 10397 MCF, 3 water, 1550 tbg pressure
09/07/01	154 oil, 10207 MCF, 5 water, 1490 tbg pressure
09/08/01	168 oil, 9989 MCF, 3 water, 1400 tbg pressure
09/09/01	132 oil, 9877 MCF, 3 water, 1400 tbg pressure
09/10/01	145 oil, 10021 MCF, 5 water, 1300 tbg pressure
09/11/01	152 oil, 9997 MCF, 4 water, 1250 tbg pressure
09/12/01	133 oil, 10012 MCF, 3 water, 1200 tbg pressure
09/13/01	135 oil, 9802 MCF, 3 water, 1180 tbg pressure
09/14/01	124 oil, 9987 MCF, 4 water, 1090 tbg pressure
09/15/01	119 oil, 10002 MCF, 5 water, 1000 tbg pressure
09/16/01	113 oil, 10002 MCF, 5 water, 1000 tbg pressure
09/17/01	121 oil, 9535 MCF, 3 water, 980 tbg pressure
09/18/01	103 oil, 9365 MCF, 5 water, 940 tbg pressure
09/19/01	99 oil, 9112 MCF, 3 water, 920 tbg pressure
09/20/01	98 oil, 8868 MCF, 4 water, 900 tbg pressure
09/21/01	86 oil, 8508 MCF, 3 water, 900 tbg pressure
09/22/01	86 oil, 8281 MCF, 5 water, 900 tbg pressure
09/23/01	78 oil, 8027 MCF, 3 water, 900 tbg pressure
09/24/01	75 oil, 7943 MCF, 3 water, 880 tbg pressure
	Roustabout crew finishing fence around the battery. Crew connecting gas line to Duke. Duke unable to take gas today.
09/25/01	80 oil, 7654 MCF, 3 water, 880 tbg pressure
09/26/01	70 oil, 7539 MCF, 3 water, 880 tbg pressure
	Roustabout crew connected gas line to Duke sales meter at 22 MCFD.
09/27/01	67 oil, 7390 MCF, 4 water, 850 tbg pressure