

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

Form C-103
Revised March 25, 1999

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

WELL API NO. 30-025-35870
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: Laughlin
8. Well No. 8
9. Pool name or Wildcat Monument; Tubb

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 M : 330 feet from the South line and 700 feet from the West line
Section 4 Township 20S Range 37E NMPM Lea County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)
3575 KB

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 ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐
OTHER: ☐

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 recompilation.

See Attached

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 10/4/02

Type or print name Russ Mathis Telephone No. (915) 687-5955
(This space for State use)

APPROVED BY _____ TITLE _____ DATE NOV - 4 2002
Conditions of approval, if any: NOV - 4 2002

Matador Operating Corporation

Laughlin 8
Sec. 4, T20S, R37E

API #30-025-35870
Lea County, New Mexico

- 5/6/2002 Vacuum truck emptied cellar. Backhoe leveled location. Roustabout crew plumbed surface casing to surface. Crew removed gate valve and installed 2 - 2" 5000# ball valves. Backhoe filled cellar. Contractor set mast anchors. Set matting boards and MIRUPU. Set pipe racks and unloaded tubing. Removed tubing flange and installed BOP. Cleaned and inspected tubing. RIH with RR 3-7/8" bit, 4-1/2" casing scraper, 4 - 3-1/8" OD DC and 2-3/8" EUE 8rd N-80 tubing. Tagged DV with 7' out on joint 121 or 3849'. Laid down one joint. SWI SDON.
- 5/7/2002 Pressure casing to 2000 psi - ok. RU swivel. Drilling DV from 3849.06-3851.26. Circulated hole clean. Made connection with 3' in on #122 at 3859 tagged up. Drilling and circulated up DV debris and cement. Circulated hole clean and tested to 2000 psi - ok. Continued drilling to 3862 and fell free. Work bit and scraper with slight torque at 3859. Worked bad spot for 15 minutes with torque eliminated. Wash to 3885 without torque. Circulated hole clean. LD swivel. RIH with tubing. Tagged **PBTD** at 6771.84'. Circulate hole clean. POH with tubing and laid down BHA. RIH with 216 joints tubing. ND BOP, NU tubing hanger. Vacuum truck cleaned reverse pit. Released reverse equipment. Roustabout crew and backhoe built tank pad.
- 5/8/2002 RDMOPU. Roustabout crew moved matting boards to Laughlin 5 # 1. Set 4x20 heater treater and one stock tank. The other stock tank had to be returned for defect. Crews started plumbing battery. Vacuum truck put water in treater.
- 5/9/2002 Roustabout crews building battery.
- 5/10/2002 Roustabout crew building battery. Set 1 - 500 bbl stock tank and 1 - 300 bbl fiberglass tank. MIRUPU. RU Schlumberger. Pickle tubing with 500 gals 15% HCL DI and reversed with 10# brine. Pulled 4 joints to 6616 and circulated hole with FW. Spotted 500 gals 15% NEFE DI LST HCL. POH with tubing. Installed frac valve and test casing to 5000 psi - ok. RU Howco and ran GR CCL from 6752 to 5650. **Perforated** Tubb top down from 6548-54, 6569-71, 6598-6604 with 3-1/8" DPCG loaded at 3 SPF, .33 entry hole, 15.43" penetration, 12 gram casing guns. RD Howco. RU Schlumberger and pump acid into perforations. Pumped 3 bbls with formation breaking at 3400 psi. Increased rate to 5 bpm at 3150 psi for a total of 14 bbls. ISIP 2957, 5 min 1808, 10 min 1511, 15 min 1332. RD Schlumberger. SD.
- 5/11/2002 SDFWE
- 5/12/2002 SDFWE
- 5/13/2002 RU Schlumberger to **treat** 6548-54, 6569-71, 6598-6604. Zero psi on casing. Set pump kills at 6200 psi. Pumped 20,000 gals 20% DGA acid as follows: Pumping at 29 bpm at 4640 psi acid on formation pressure decreased to 4460. Increase rate to 40 bpm at 5012 psi. Dropped 75 ball sealers after 1/2 acid away. Sealers hit with 315 bbls acid away with ball out. Pumped SD at 6200 and pumps rolled to 8200 psi. Bled pressure to surge balls off perf's three times. Continue job increasing rate to 40 bpm at 5100 psi at SD. ISIP 3230, 5 min 2990, 10 min 2789, 15 min 2667. RD Schlumberger. NU flowback choke. Opened well with 1200 psi on casing with pressure falling to 0 psi with slight flow to tank. ND frac valve, NU BOP, and RIH with 4-1/2" RBP, ball catcher, CCL, seating nipple and tubing. Locate SJ at 6074 with 196 joints. Set RBP at 6650' with 6' in on joint # 215. POH with EOT at 6454 with 208 joints in the hole. RU swab. IFL surface, recovered 45 bbls water, EFL 1000'. LWOTT SDON. TLTR 543, TLR 45, TLLTR 498.
- 5/14/2002 Continued swabbing. IFL 1000, recovered 73 bbls water 2 bbls oil, EFL 2500'. LWOTT SDON. TLTR 543, TLR 118, TLLTR 425. After 4 runs in the A.M. the sand line parted leaving 1000' line in tubing. POH with tubing swabbing several times. Recovered all line, sinker bars, jars and swab mandrel. RIH with same tubing and continued swabbing. Stopped swabbing at 6:00 PM and RDMOPU. LWOTT SDON.
- 5/15/2002 MIRU Pool PU. Continued swabbing. IFL 2500, recovered 45 bbls water 8 bbls oil, EFL 5100'. Swabbed a total of 4 hours. Last 2 hour oil cut was 20% with strong gas behind each swab run. LWOTT, SDON. TLTR 543, TLR 163, TLLTR 380. LWOTT, SDON. Roustabout crew and backhoe built firewall around the production equipment. Duke is installing the gas line.
- 5/16/2002 Continue swabbing. IFL 3900, recovered 27 bbls water 16 bbls oil, EFL 6250'. Last 3 hour recovering 2 bbls per hour. Oil cut was 30% with gas dropping off and 150' of entry on 2 runs per hour. LWOTT SDON. TLTR 543, TLR 190, TLLTR 353. Duke made final connection on gas line.

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- 5/17/2002 RD swab. Trip tubing to remove ball catcher from RBP. RIH with tubing, engage RBP, POH with tubing and tools. RIH with 4- 1/2" RBP with retrieving tool for sand. Set RBP at 6518' with 210 joints in the hole. Laid down one joint. Circulated hole with 105 bbls FW. Test RBP to 2500 psi. Spot 500 gals 15% NEFE DI LST HCL acid from 6486-5711'. POH with tubing. RU Schlumberger. Loaded casing with 10 bbls FW and test casing to 5000 psi - ok. RU JSI. Tagged RBP at 6516' and **perforated** 6476-6486 w/ 3 3/8" Expendable Prospector DP 4 spf, 90 deg phasing, .48" entry hole, 22.7 gram, 17.54" penetration. RD JSI. Pumped acid away with formation breaking at 3710 psi. Increased rate to 2.7 bpm (max pump truck could reach) at 3445 with 14 bbls pumped. ISIP 3145, 5 min vacuum. LWSITT, SDON. Started setting 5 frac tanks.
- 5/18/2002 – 5/19/02 SDFWE
- 5/20/2002 RU Pro wireline. RIH with pressure gauges to 6484'. POH with gauges. Gauges indicated BHP at 6484' is 2346 psi. Well had been shut in 72 hours prior to running gauges.
- 5/21/2002 Install tree saver. RU Schlumberger to **frac** 6476-84'. Pumped job as follows: stage 1 - 286 bbls, 50 bpm, 6070 psi formation break, step down with ISIP of 3419 psi, SD 30 mins 1891 psi. Stage 2 - PAD - 405 bbls YF-130ST, 50 bpm, 5832 psi. Stage 3 - 753# .5 ppa in 133 bbls, 5356 psi at 50 bpm. Stage 4 - 2015# 1.0 ppa, in 67 bbls, 5452 psi at 50 bpm. Stage 5 - 13356# 2.0 ppa in 198 bbls, 5438 psi at 50 bpm. Stage 6 - 29572# 3.0 ppa in 373 bbls 5269 psi at 50 bpm. Stage 7 - 27728# 4 ppa in 269 bbls, 4999 psi at 50 bpm. Stage 8 - 23518# 5 ppa in 139 bbls, 5031 psi at 50 bpm. Stage 9 - 46736# 6 ppa in 256 bbls, 4871 psi at 50 bpm. Stage 10 - 99 bbls WF-130 flush with 4852 psi at 50 bpm. ISIP 3552 psi 5 min 3406, 10 min 3319 psi, 15 min 3268 psi. SWI at 12:00 noon CST. RD Treesaver and Schlumberger. RU flowback choke. Open well at 1:47 pm CST with 2400 psi. Flowed to test tank at 40-50 bph rate. After recovering 129 bbls pressure is at 10 psi flowing 13 bph. Continue to flow overnight. At 5:00 am total recovery was 221 bbls. TLTR 2225, TLR 221, TLLTR 2004. Pump schedule to follow.
- 5/22/2002 Well is flowing 3 bph with 2% oil cut and good gas. Attempt to run tubing with flow out tubing. Pumped 5 bbls 10# brine in casing with pressure building to 400 psi. SD. RIH with tubing circulating 10# brine 4 times while running tubing. Tagged sand at bottom perforation. RU tubing swivel and wash sand to top of RBP. Engage RBP and circulate hole with a total of 100 bbls FW. With hole balanced, released RBP. POH with tubing and tools. RIH with 2-7/8" BPMJ with 4 slots and 2-3/8" collars welded on each end, 1 4-1/2" x 2-3/8" slipless TAC, 1 2-3/8" slotted SN, 1 2-3/8" x 1-25/32" SN, 1 4-1/2" x 2-3/8" Mod "B" TAC and 205 joints 2-3/8" EUE 8rd N-80 and L-80 4.7# tubing. ND BOP, set TAC with 22" or 12 points tension and NU 6" 900 tubing hanger flange. LWOTT, SDON. TLTR 2225, TLR 231, TLLTR 1994. Current perforations 6476-7484, (4 SPF 32 holes) 6548-6554, 6569-6571, 6598-6604 (3 SPF 42 holes).
Tubing Detail:
- | | | |
|---------|-------------------------------------|----------------|
| 1 jt | 2-7/8" BP gas joint with slots with | |
| | 2-3/8" collars on each end | 31.96 |
| | 4-1/2" x 2-3/8" slipless TAC | 3.05 |
| | 2-3/8" slotted SN | 1.10 |
| | 2-3/8" x 1-25/32" seating nipple | 1.10 |
| | 4-1/2" x 2-3/8" Mob B TAC | 3.05 |
| 205 jts | 2-3/8" EUE 8rd N&L-80 4.7# | <u>6346.35</u> |
| 206 jts | total tubing and tools | 6386.61 |
| | Tubing anchor setting adjustment | 1.83 |
| | KB adjustment | <u>16.00</u> |
| | EOT | 6404.44 |
- 5/23/2002 Tubing is slightly unloading to test tank. Tubing/casing annulus is SI with 300 psi. Bled annulus and pumped 20 bbls 10# brine in tubing. RIH with pump and rods. Set 228 pumping unit. Spaced pump 9" off bottom. Electricians connected power from generator. Contractor balanced pumping unit. Turned unit on with tubing pumping up in 23 mins. Est fluid level at 750' from surface. Pressured to 500 psi - ok. RDPU. Turn well to production equipment. As of 5:00 am CST well produced 73 bbls water 33 mcf gas. The heater treater oil level is almost balanced. Est 20 bbls oil in heater. Roustabout crew built wellhead and buried flowline. Backhoe assisted in the in installation.

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Rod Detail:

	2" x 1-1/2" x 16' RHBC HVR 2	
	stage with equalizer valve, SM	
	plug, 1-5/8" FN #APL-532	16
	3/4" x 1' lift sub	1
169	3/4" x 25' Trico D with FHT cplgs	4225
83	7/8" x 25' Trico D with SHT cplgs	2075
	7/8" x 2' Trico D rod sub	2
	1-1/2" x 26' Inspray polish rod	<u>19</u>
		6338

5/24/2002 35 oil, 4 MCF, 160 water

5/25/2002 6 oil, 28 MCF, 14 water, generator down

5/26/2002 36 oil, 11 MCF, 91 water

5/27/2002 33 oil, 54 MCF, 103 water

5/28/2002 31 oil, 41 MCF, 62 water

5/29/2002 36 oil, 29 MCF, 39 water

5/30/2002 30 oil, 28 MCF, 26 water

5/31/2002 30 oil, 38 MCF, 23 water. Well is not producing at acceptable rates. MIRUPU. POH with pump and rods. Sent pump to shop for R&R. Pump shop did not report any problem with the pump. RIH with pump and rods. Loaded tubing with 11 bbls FW. Pressured to 500 psi - ok. Put well to production equipment. SDON. Roustabout crew repacked stuffing box.

6/1/2002 22 oil, 33 MCF, 32 water

6/2/2002 17 oil, 41 MCF, 10 water

6/3/2002 36 oil, 26 MCF, 29 water, prokem treated

6/4/2002 27 oil, 44 gas, 19 water
 Electricians connected power to well and circulating pump. SPS installed meter.

6/5/2002 28 oil, 22 MCF, 17 water

6/6/2002 14 oil, 45 MCF, 29 water, circulate tank

6/7/2002 19 oil, 50 MCF, 33 water

6/8/2002 19 oil, 53 MCF, 17 water

6/9/2002 17 oil, 47 MCF, 18 water

6/10/2002 8 oil, 41 MCF, 3 water, Electrical problem (down)

6/11/2002 25 oil, 63 MCF, 20 water

6/12/2002 36 oil, 44 MCF, 22 water

6/13/2002 16 oil, 38 MCF, 12 water

6/14/2002 17 oil, 36 MCF, 15 water

6/15/2002 16 oil, 35 MCF, 10 water

6/16/2002 17 oil, 34 MCF, 10 water

6/17/2002 19 oil, 34 MCF, 14 water, Prokem treated

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6/18/2002 14 oil, 34 MCF, 13 water

6/19/2002 17 oil, 33 MCF, 13 water

6/20/2002 2 oil, 32 MCF, 4 water, reset

6/21/2002 23 oil, 29 MCF, 15 water

6/22/2002 22 oil, 33 MCF, 10 water

6/23/2002 13 oil, 31 MCF, 6 water

6/24/2002 6 oil, 30 MCF, 12 water, circulate

6/25/2002 22 oil, 31 MCF, 10 water, FINAL REPORT

7/15/2002 The well is not pumping. MIRUPU. POH with rods. Found the 34th 3/4" rod from bottom parted. Fished rods and pump. ND wellhead, release TAC and NU BOP. LWOTT, SDON.

7/16/2002 RIH with tubing. Tagged fill at 6703.60' KB. (Perforations- 6476-6604) Laid down tag tubing. POH with tubing. Removed slipless TAC, replaced slotted SN. Well unloaded. Pumped 51 bbls FW in casing. RIH with 2-7/8" slotted BPMJ with 2-3/8" collars, 1 4-1/2" x 2-3/8" Mod "B" TAC, 1 2-3/8" slotted SN (New), 1 2-3/8" x 1-25/32" SN, 205 joints 2-3/8" EUE 8rd 4.7# N-80. ND BOP, set TAC with 12 points or 21" tension, NU tubing hanger flange. RIH with 2" x 1-1/4" x 15' MGB st chr bbl, 132" max stroke, 1-5/8" FN (# MD-1), 1 7/8" x 1' lift sub, 168 3/4" Weatherford "D", 84 7/8" Weatherford "D", 3 7/8" x 8' x 8' x 2' subs, 1 1-1/2" x 26' Inspray PR. Spaced pump 36" off bottom. Tubing is full, pumped 3 bbls compressing gas to 500 psi. Bled to 200 psi stroked unit to 500 psi in 10 strokes. Turned well to battery.

Tubing Detail:

2-7/8" slotted BPMJ w/2 3/8" cplgs	31.96
4-1/2"x2 3/8" Mod B TAC	3.00
2-3/8" Slotted SN	1.10
2-3/8"x1 25/32 SN	1.10
205 jts 2-3/8" EUE 8rd 4.7#/' N-80	6346.35
Anchor Setting	1.83
KB Correction	16.00
EOT	6401.34

Rod Detail:

1- 2"x1 1/4"x15' MGB (MD-1)	18
1- 7/8"x1' Lift sub	1
168- 3/4"x25' Weatherford "D"	4200
84- 7/8"x25' DITTO	2100
3- 7/8"x8'x8'x2' "D" rod subs	18
1- 1 1/2"x26' Inspray PR	17
	6354

7/17/2002 Well is pumping. RDMOPU. Roustabout crew steamed off pumping unit.

7/18/2002 27 oil, 25 MCF, 20 water, not pumping

7/19/2002 0 oil, 9 MCF, 0 water

7/20/2002 0 oil, 2 MCF, 0 water

7/21/2002 0 oil, 0 MCF, 0 water

7/22 – 7/25/2002 Si

7/26/2002 MIRUPU. Long Stroke w/ no pump action. POH w/ rods & pump. Sent pump to shop for R&R. SDOWE

7/27/2002 Si

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7/28/2002 SI

7/29/2002 RIH w/R&R 2"x1 1/4"x15' MGB st chr bbl, 132" max stroke, 1 5/8" FN (# MD-1), 1-7/8"x1' lift sub, 168- 3/4" Weatherford "D", 84- 7/8" Weatherford,, "D", 3- 7/8"x8'x8'x2' subs, 1- 1 1/2"x26' Inspray PR. Spaced pump 36" off bottom. Loaded tbg w/3bbls water and pressured to 500psig O.K. Bled to 200 psi stroked unit to 500 psi O.K. Turned well to battery. RDMOPU.

Rod Detail:

1 - 2" x 1-1/4" x 15' MGB (MD-1)	18.00
1 - 7/8" x 1" Lift Sub	1.00
168 - 3/4" x 25' Weatherford "D"	4200.00
84 - 7/8" x 25' Weatherford "D"	2100.00
3 - 7/8" x 8' x 2' "D" rod subs	18.00
1 - 1-1/2' x 26' Inspray PR	<u>17.00</u>
	6354.00

7/30/2002 63 oil, 23 MCF, 84 water

7/31/2002 19 oil, 22 MC, 0 water

8/1/2002 20 oil, 19 MCF, 22 water, gas lock

8/2/2002 19 oil, 21 MCF, 5 water

8/3/2002 20 oil, 24 MCF, 15 water

8/4/2002 19 oil, 30 MCF, 18 water

8/5/2002 25 oil, 30 MCF, 8 water

8/6/2002 23 oil, 33 MCF, 12 water

8/7/2002 22 oil, 34 MCF, 17 water

8/8/2002 25 oil, 34 MCF, 15 water

8/9/2002 25 oil, 37 MCF, 12 water

8/10/2002 22 oil, 41 MCF, 11 water

8/11/2002 27 oil, 37 MCF, 14 water, FINAL REPORT