

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.  
30-025-36045

5. Indicate Type of Lease  
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name:

Cooper 5

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 A : 790 feet from the North line and 990 feet from the East line

Section 5 Township 20S Range 37E NMPM Lea County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3558 GR

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 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 3/11/03

Type or print name Russ Mathis

Telephone No. (915) 687-5955

(This space for State use)

APPROVED BY

*Paul J. King*

TITLE PETROLEUM ENGINEER

DATE

APR 25 2003

Conditions of approval, if any:

# Matador Operating Company

Cooper 5 #8  
Sec 5, T20S, 37E

API #30-025-36045  
Lea County, New Mexico

1/6/2003 Prepare location

Backhoe leveling location. Vacuum truck emptied cellar. Contractor one called mast anchors.

1/8/2003 MIRU

**Remarks :** Set anchors. MIRU Aries Well Service PU. Found 8-5/8" x 4-1/2" annulus pressure to be 40 psi. Removed cover flange. NU BOP. Tested casing, wellhead and blinds to 1500 psi. Received 217 joints 2-3/8" used N-80 4.7# EUE 8rd tubing from Matador inventory (Bull Dog yard Hobbs NM). Racked and tallied 2-3/8" tubing. PU 3-7/8" Hughes WO bit, 4-1/2" casing scrapper, BS, 4 3-1/8" DC, TS. RIH on 79 joints 2-3/8" tubing. Prep to drill DV tool AM. SDON.

1/9/2003 Drill out

**Remarks :** Continue to PU 2-3/8" N-80 tubing. RIH with 3-7/8" bit and scrapper. Tag cement at 3820'. Drilled cement to top of DV tool. Tested to 1500 psi. Drilled DV tool at 3835' and worked through with bit and scrapper. Tested to 1500 psi. LD swivel. PU 2-3/8" tubing and RIH with bit. Tagged cement at 6721'. Drilled cement to 6751' FC at 6754'. Circ clean. Tested to 1500 psi. MIRU Schlumberger. Pickle tubing with 500 gals 15% HCL acid circ out. Spotted 10 bbls brine on bottom at 6751'. POOH to 6500'. Reversed tubing clean. Spotted 750 gals 15% NEFE HCL DI + additives from 6500' to 5341'. POOH with 2-3/8" tubing and LD BHA. ND BOP. NU 7-1/16 5K Frac valve. Prepare to log and perf AM. SDON. ChevronTexaco was contacted to shut down the elect line crossing the Cooper 5 # 8 location on Tuesday the day of the Frac date 1-14-03. After inspection Chevron Texaco elected to shut the line down today 1-9-03 for safety concerns.

1/10/2003 Perforate

**Remarks :** MIRU JSI wireline. RIH with CBL-CCL-GR tools. Tagged corrected wireline PBTD at 6752'. Pulled log from 6752' to 6400' with no pressure. Pressured casing to 1500 psi. Pulled final run from 6752' to 5000' from surface while holding 1500 psi. Log shows to have good bond. POOH with tools. Tested 7-1/16 5K Frac valve to 5000 psi. PU 3-3/8" Expendable gun loaded 6 spf 60 deg phase 21 gram charge .40 EH. RIH and perforated the Tubb formation from 6492' to 6498' with 36 holes in acid. RDMO wireline. MIRU Schlumberger. Acidized with 750 gals 15% NEFE HCL DI + additives on spot down 4-1/2" casing as follows: FB at 3200 psi 6/10 bpm increase rate to 2 bpm at 2150 psi pumped 20 bbls total (2 bbls over flush). Final pump in 2 bpm 1955 psi MTP 3200 ATP 1975 ATR 2 bpm MTR 2 bpm ISIP 1825, 5 min 1561, 0 min 1140, 15 min 842, 70 min 0. RDMO Schlumberger. NU BOP on top of 7-1/16 5K Frac valve. PU 2-3/8" x 4-1/2" Arrowset packer, 2-3/8" API SN. RIH on 214 joints 2-3/8" N-80 4.7# EUE 8rd tubing. Set packer in 15K compression with EOT at 6415'. SN at 6406' -45 blwtr. RU swab. IFL surface. Made 5 swab runs. Final 2 swab runs pulled from SN. Tagged FL on #4 at 5500' FS and 5600' FS on #5. Recovered total of 27 blw in 5 runs -18 blwtr with acid gas on last two runs 1% oil cut on the tail end of final run no natural gas. RD swab. Set choke on 1/2" choke FTP 0 psi with light blow on tubing. 27 BTLR of 45 BTL. 18 BTLTR.

Tubing Detail:

|         |                                    |         |
|---------|------------------------------------|---------|
| 214 jts | 2-3/8" N-80 4.7# EUE 8rd tbg       | 6400.33 |
|         | 2-3/8" API SN                      | 1.10    |
|         | 2-3/8" x 4 1/2" Arrowset ( 11.6# ) | 6.00    |
|         | Slack off                          | (3.00)  |
|         | KB Adjustment                      | 10.50   |
|         | EOT                                | 6414.93 |

1/11/2003 Swabbing

**Remarks :** Well open to tank on 48/64" choke. FTP 0 psi with light blow natural gas. SICP 0 psi. Recovered no fluid overnight, -18 blwtr. RIH with swab. IFL 1000' FS. Pulled swab from 3000'. Recovered 4 bo + 4 blw. Well flowing to tank on 2" open. Flowed 45 mins. Recovered 5 bo, no water, gas rate low enough to swab. RIH with swab. Tagged fluid at 3000' with gas pockets to SN at 6409'. Recovered 2 bo + 2 blw, good gas blow on tail of swab. Let blow 30 mins. RIH with swab. Scattered to 100' above SN. Recovered 1 bo + 1 blw with good gas blow. Started making 1 swab run per hour as follows: made 3 runs over 3 hours, fluid entry showed to be 400' to 600' and gas cut. Recovered 6 bbls with 90% oil cut between swab runs and on the tail of swab well continued to blow. RD swab. Installed choke and set on a 6/64" choke. FTP 45 psi. Total recovered today swabbing and flowing was 18.75 bo + 7.25 blw, -10.75 blwtr. SD for Sunday. 34 BTLR of 45 BTL. 11 BTLTR.

1/12/2003 SDFWE

# Matador Operating Company

Cooper 5 #8  
Sec 5, T20S, 37E

API #30-025-36045  
Lea County, New Mexico

1/13/2003 Prep for frac

**Remarks :** Well open to tank 41 hours on 6/64" choke. This AM FTP 130 psi with light flow to tank. Recovered 13 bo, no water. Open choke to 48/64" open choke. FTP 70 psi. Flowed 1 hour to 0 psi. Recovered 17 bo + 1 blw with good blow of gas. RIH with swab. IFL at 6100' FS = 300' and gas cut. Pulled swab from SN at 6409'. Recovered 3 bls with 80% oil cut, good gas blow on tail of swab. Let blow 1 hour. RIH with swab, scattered to SN. Recovered 1 bo with good gas blow. RD swab. Total recovered today flowing and swabbing 20 bo + 2 blw -8.75 blwtr. MIRU pump truck. Loaded with 25 bfw. Released packer. POOH. LD packer. Did not lose any rubbers. ND BOP. Prep well for Frac Tuesday 1-14-2003 at 8:00 AM. 36 BTLR of 45 BTL. 9 BTLLTR.

1/14/2003 Frac

**Remarks :** MIRU Schlumberger, TSI casing saver. Frac the Tubb formation from 6492' to 6498'. Pumping 2000 gals 15% NEFE HCL acid ahead with 8485 bls FW in a slickwater and YF140ST system using 222,840 lbs 20/40 White Ottawa sand, tail in with 20,000 lbs PR6000 sand at .25, .50, 1.5, 2.0 ppg stages. 15 stages total as follows: ATR 4897 psi MTP 6646 psi ATR 47.5 bpm MTR 66.7 bpm ISIP 3672 psi 5 min 3512 psi, 10 min 3449 psi, 15 min 3385 psi. Close well in. RDMO Schlumberger and TSI casing saver. Started load recovery at 1400 hrs -8485 blwtr. 2 hour SICP 2800 psi, open on a 10/64" choke. FCP 2550 psi to 2625 psi in 1 hour flow. Started increasing choke sizes to maintain flow. This AM FTP 660 psi on a 20/64" choke flowing 100% water and broken Frac jel no sand (70 bls last hour) recovered in 14 hours. 1075 blw -7410 blwtr. Continue to flow and recover load to Frac tank. 1075 BTLR of 8485 BTL. 7410 BTLLTR.

1/15/2003 flow back

**Remarks :** Well open to tank on 20/64" to 2" open choke. FCP 660 to 5 psi this AM. Recovered 734 bbls with a trace of oil no gas. 1809 BTLR of 8485 BTL. 6676 BTLLTR. Last 6 hours FCP has been 5 psi at 10 bph with a trace of oil only on last 2 hours. Continue to flow to tank. Preparing to add perms on 1/16/03.

1/16/2003 Perforate

**Remarks :** Well open to tank on 2" open choke, FCP 5 to 0 psi. This AM recovered 3 bbls with no oil or gas shows. Well is dead. 1812 BTLR of 8485 BTL. 6673 BTLLTR. MIRU JSI wireline. RIH with 3.625 GR and JB. Set down at 6654' = 96' of sand fill. POOH with GR. RIH with 3-3/8" expendable guns loaded 4 spf, 60 deg phase, .42 EH, 21gram charge. Perf the Tubb as follows: 6554' to 56' and 6564' to 78' with 64 holes. (76' of rat hole below bottom perf ). RDMO wireline. Prep to RIH with sub pump. Left well open to tank with watchman.

1/17/2003 RIH w/ sub pump.

**Remarks :** Well open to tank on 2" open choke, FCP 0 psi this AM. Recovered no fluid overnight. 1812 BTLR of 8485 BTL. 6673 BTLLTR. Started picking up Schlumberger Reda sub pump. Found top pump locked up. Could not free. Sent to shop. SDON. Prep to RIH with sub pump AM. Left well open to tank with watchman.

1/18/2003 RIH w/ sub pump.

**Remarks :** Well open to tank on 2" open choke, FCP 0 psi this AM. Recovered no fluid overnight. Continued picking up Schlumberger Reda sub pump. RIH as follows: 3.75 OD x 4.30 surveyor (PSI), 2 3.75 OD x 18' x 18' motors 46.7 hp 475 Volt 74 Amps, 3.75 OD x 5.10 protector, 3.75 OD x 2.20 ARS gas sep, 4 3.75 OD x 11.90 x 7.80 x 7.80 x 9.60 with 449 stages total 84.70', 2-3/8" API SN, 212 joints 2-3/8" N-80 4.7# EUE 8rd tubing with #4 flat cable (6 bands per stand). ND BOP. Landed Reda well head with EOT at 6440.80 = 51' above top perf. Tied well head to flowline. Static PSI reading was 2790 = 6444' above pump. Turned well on and pumped up in 2 mins at 1:00 pm. Pumped 16 hours. Recovered 35 bbls oil + 671 bbls water with a gas rate of 200 MCFPD. PSI shows 4999' fluid above pump. 2483 BTLR of 8485 BTL. 6002 BTLLTR. Continued with well tester.

1/19/2003 Pump Testing

**Remarks :** Pumped 24 hours. Recovered 199 bbls oil + 660 bbls water with a gas rate of 224 MCFPD. PSI shows 4456' fluid above pump. 3143 BTLR of 8485 BTL. 5342 BTLLTR. Continued with well tester.

1/20/2003 Pump Testing

**Remarks :** Pumped 24 hours. Recovered 380 bbls oil + 855 bbls water. Gas sales 352 MCF with a gas rate of 439 MCFPD. 1526 PSI this AM. RDMO Aries PU # 44. 3998 BTLR of 8485 BTL 4487 BTLLTR. Continued with well test.

RECEIVED  
Hobbs  
OCD

# Matador Operating Company

**Cooper 5 #8**  
**Sec 5, T20S, 37E**

**API #30-025-36045**  
**Lea County, New Mexico**

1/21/2003 Producing

**Remarks :** 335 oil, 512 gas, 923 water. BHP 1214 psig with 70 psig on casing. Transferred and treated 450 bbls oil in frac tanks.  
Started selling oil. 4921 BTLR of 8485 BTL. 3564 BTLLTR.

