

Submit 3 Copies To Appropriate District Office

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

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

WELL API NO.

30-025-35548

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 ☐

2. Name of Operator

Matador Operating Company

3. Address of Operator

310 W. Wall, Suite 906 Midland, TX 79701

4. Well Location

Unit Letter F : 2130 feet from the North line and 1980 feet from the West line

Section 35

Township 19S

Range 37E

NMPM

Lea County

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

3593 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 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 05/09/03

Type or print name Russ Mathis

Telephone No. (915) 687-5955

(This space for State use)

APPROVED BY [Signature] TITLE PETROLEUM ENGINEER

DATE MAY 29 2003

Conditions of approval, if any:

Matador Operating Company

Shelly 35 State #2
Sec 35, T19S, R37E

API #30-025-35548
Lea county, New Mexico

- 02/04/02 Roustabout crew fenced reserve pit. Crew started plumbing cellar valves.
- 02/05/02 Roustabout crew finished cellar valves. Backhoe attempted to level the location. The location is to wet to complete.
- 02/08/02 Contractor leveled location with blade.
- 02/11/02 Received 245 joints 2-3/8" EUE 8rd J-55 4.7# tubing. Total tubing threads on 7748.98'. Note 1 joint bent upon arrival. MIRU Pool PU. NU 6" 900 BOP. RIH with rerun 3-7/8" bit from the Laughlin # 6, 4-1/2" casing scrapper, 4 3-1/8" DC and tubing. Tagged up at 3841 KB. Laid down one joint. SWI, SDON. Contractor filled reverse pit with FW.
- 02/12/02 Pressured casing to 2000 psi - ok. RU swivel and drill bridge at 3841'. CIH and tagged DV rubber at 3881. Passed bit and scraper through DV 15 times while rotating. Passed bit and scrapper through DV rotating 1/4 turn on each pass. Laid down swivel and pressured casing to 2000 psi - ok. CIH with tubing and tagged up at 7750' KB. Reversed 80 bbls water from reverse pit with cement returns. Spotted 20 bbls 10# brine from 7750 to 6460. Pulled bit to 7010 and circulated hole with 100 bbls FW. Pressured casing to 3000 psi - ok. Spotted 500 gals 15% NEFE HCL DI with LST from 7010 to 6242. POH with tubing, laid down collars, scrapper and bit. Loaded hole with FW. SWI, SDON. Roustabout crew and backhoe built tank pad. Contractor set 2 500 bbl stock tanks, 4 x 20 heater treater and 30" x 10' separator. Contractor set 500 bbl test tank. Set in flowback equipment.
- 02/13/02 RU Schlumberger wireline. RIH with GR, CCL, from PBTD 7745-6650'. RIH with 3-1/8" guns 4 spt, 41 entry hole, 18.53" penetration, 16 gram charges, 90 degree phasing. Perforate Drinkard from 6967-77. Second shot failed. POH and found gun wet. RIH with new set of guns. Perforate Drinkard from 6996-7006. Total holes 40. RIH with SN and 218 joints tubing to 6869.71 KB. ND BOP. Installed wrap around and tree. (Tree was transferred from Matador stock at Kvaerner in Hobbs.) RU Cudd and displace spot acid into perforations. Pumped into tubing/ casing annulus at .6 bpm with pressure building to 4200 psi. Increased rate to 1.1 bpm with pressure increasing to 4610. SD with 13.5 bbls pumped. ISIP 4450, 5 min 2740, 10 min 2000, 15 min 1530. Opened tubing to pit with pressure falling. Pumped 19 bbls into annulus with tubing open to pit. Slight flow to pit after SD. RU swab IFL surface, surface, surface, 1500, 1400, 1400, 1800, 2200, 2800, 2600, SD 30 minutes, 2900. Good gas with 300' of swab left in hole and strong vacuum with swab at surface. SD Swabbing and LWOTT overnight. Recovered 45 bbls water and acid. Roustabout crews connecting production equipment.
- 02/14/02 Well is open to tank. RU swab. IFL 2200 with slight oil, 2500, 2900, 3500. RD swab. RU Cudd and acidize well with 3000 gals 15% NEFE HCL DI LST with 60 1.3 sg ball sealers. Pumped 27 bbls water in tubing followed by 22 bbls acid with annulus returns. SI tubing/casing annulus (no packer). After 46 bbls acid away, tubing 5400 psi and casing 4200 psi pumping 2.6 bpm. Pressure decreased to 5170 psi with casing falling to 3800 psi for balance of job. Balls were dropped after 1/2 acid pumped. No ball action was observed. ISIP 4700 tubing, 3600 casing, 5 min 3930 TP/3220 CP, 10 min 3480 TP/2800 CP, 15 min 3070 TP/2550 CP. After 45 minutes, tubing 1200 psi. Opened tubing to tank with pressure falling to 0 psi. Started swabbing. IFL surface, after 7 runs FL 2900, after 13 runs FL 4300'. LWOTT, SDON. Recovered 155 bbls total fluid with 14 bbls oil. Total load pumped 100 bbls. Total load on annulus 69 bbls. 141 BTLR of 169 BTL. 28 BTLTR. Roustabout crews building battery.
- Tubing Detail:**
- | | | | |
|---------|----------------------------------|---------|--|
| | 2-3/8" x 1-25/32" seating nipple | 1.32 | |
| 218 jts | 2-3/8" EUE 8rd J-55 4.7# | 6853.71 | |
| 218 jts | total tbg and tools | 6855.03 | |
| | KB adjustment | 16.00 | |
| | EOT | 6871.03 | |
- 2/15/02 Casing pressure 300 psi. Started swabbing. IFL 1600, after 19 runs FL 4500. Last run oil cut 15-20% oil. Good gas after swab runs. LWOTT, SDON. Recovered 25 bbls oil, 120 bbls water. Load on acid job recovered. Roustabout crews building battery.
- 02/16/02 Well is open to test tank. Casing pressure 600 psi. Started swabbing. IFL 2200, after 7 hours swabbing FL 4300. Last hour of swabbing 2 bbls oil and 8 bbls water. Good gas after swab runs. LWOTT, SDON. Recovered 26 bbls oil, 73 bbls water. Roustabout crew building battery.

Matador Operating Company

Shelly 35 State #2
Sec 35, T19S, R37E

API #30-025-35548
Lea county, New Mexico

02/18/02 Well is open to test tank. Casing pressure 900 psi. Started swabbing. IFL 1700, after 9 hours swabbing FL 5300. Last hour of swabbing 5 bbls oil and 5 bbls water. Casing pressure leveled off at 620 psi. Large amount of gas during the day. Recovered 48 bbls oil, 81 bbls water. Fluid level, oil and water by the hour - 1700 7/18, 2800 5/12, 3300 7/7, 3600 5/9, 3800 5/9, 4200 2/6, 4500 5/7, 4500 7/8, 5300 5/5. Roustabout crew building battery. Water sample showed 68,000 chl. Gas company set meter run.

Water Sample from 2/18/02 am

Specific gravity: 1.074 at 74 degrees F. ph 6.90

Anions	ppm
Chlorides	63374
Sulfates	3724
Carbonates	0
Bicarbonates	736

Cations	ppm
Calcium	4107
Magnesium	1810
Iron	28
Sodium	34983

Total dissolved solids: 116844.1

02/19/02 Well is open to test tank. Casing pressure 850 psi. Started swabbing. IFL 3000, after 5 hours swabbing, FL at 3500. Casing pressure leveled off at 750 psi. Recovered 27 bbls oil, 33 bbls water. Fluid level, oil and water by the hour - 3000 10/8, 2900 5/10, 3200 4/5, 3600 4/5, 3600 4/5. Bled tubing/casing annulus to tank. Left tubing and casing open to tank. SD with strong winds. Vacuum truck pulled one load of water out of frac tank. Roustabout crew building battery and backhoe built firewalls around production equipment.

02/20/02 Well is open to test tank. Circulated hole with 130 bbls FW. ND tree, NU BOP. POH with tubing. RIH with SN, 12 joints, TAC, 218 joints. ND BOP, set TAC with 21" 12 points tension, NU wellhead. Installed tubing hanger. LWOTT, SDON. Vacuum truck skimmed oil and pumped oil into stock tanks. Truck pulled water out of tank.

Tubing Detail:

	2-3/8" EUE 8rd 1-25/32 SN with collar	1.32
12 jts	2-3/8" EUE 8rd J-55 4.7#	376.97
	4-1/2" x 2-3/8" Mod B TAC 35 pts shear	2.94
218 jts	2-3/8" EUE 8rd J-55 4.7#	<u>6851.39</u>
230 jts	total tubing and tools	7232.62
	Anchor setting	1.75
	KB adjustment	<u>16.00</u>
	EOT	7250.37

02/21/02 Well is open to test tank. Installed rod couplings on rods. Contractor set pumping unit. The wind is blowing to hard to run rods. Roustabout crew built wellhead. LWOTT, SDON.

Matador Operating Company

Shelly 35 State #2
Sec 35, T19S, R37E

API #30-025-35548
Lea county, New Mexico

02/22/02 RIH with pump and rods. Spaced pump 12" off bottom. Contractor aligned pumping unit. Electricians installed temporary electrical panel. Contractor set rental generator. Started unit at 8.1 SPM with 86" stroke length. Tubing pumped up in 30 minutes. Pressured tubing to 500 psi - ok. Left well pumping to battery. Rods, polish rod with clamp, stuffing box were transferred from the Laughlin # 6 on transfer # 00413. RDMOPU.

Rod Detail:

	2" x 1-1/2" x 18' RHBC SV TV&SV	18
184	3/4" x 25' Trico D FHT cplgs	4600
103	7/8" x 25' Trico D SHT cplgs	2575
	7/8" x 4' Trico D sub	4
	1-1/2" x 26' spray metal polish rod	<u>19</u>
		7216

02/23/02 0 oil, 94 water, 350 tbg pressure, 20 csg pressure
 02/24/02 36 oil, 134 water, 350 tbg pressure, 28 csg pressure
 02/25/02 47 oil, 102 water, 330 tbg pressure, 25 csg pressure. Gas connection expected soon.
 02/26/02 42 oil, 892 water, 300 tbg pressure, 24 csg pressure. Hook up gas sales 2/26/02 pm.
 02/27/02 38 oil, 35 MCF, 62 water, 350 tbg pressure, 22 csg pressure
 02/28/02 36 oil, 20 MCF, 60 water, 300 tbg pressure, 20 csg pressure
 03/01/02 28 oil, 28 MCF, 46 water, 360 tbg pressure, 20 csg pressure
 03/02/02 26 oil, 46 MCF, 56 water, 360 tbg pressure, 20 csg pressure
 03/03/02 33 oil, 46 MCF, 46 water, 360 tbg pressure, 20 csg pressure
 03/04/02 28 oil, 34 MCF, 50 water, 400 tbg pressure, 20 csg pressure

Date : 3/5/2002

Activity: Producing

Remarks : 27 oil, 34 MCF, 46 water, 420 tbg pressure, 20 csg pressure

Date : 3/6/2002

Activity: Producing

Remarks : 28 oil, 32 MCF, 54 water, 450 tbg pressure, 20 csg pressure

Date : 3/7/2002

Activity: Producing

Remarks : 25 oil, 31 MCF, 44 water, 450 tbg pressure, 20 csg pressure

Date : 3/8/2002

Activity: Producing

Remarks : 22 oil, 30 MCF, 41 water, 450 tbg pressure, 20 csg pressure

Date : 3/9/2002

Activity: Producing

Remarks : 25 oil, 28 MCF, 26 water, 450 tbg pressure, 20 csg pressure

Date : 3/10/2002

Activity: Producing

Remarks : 22 oil, 25 MCF, 68 water, 450 tbg pressure, 20 csg pressure

Date : 3/11/2002

Activity: Producing

Remarks : 22 oil, 24 MCF, 41 water, 430 tbg pressure, 20 csg pressure

Matador Operating Company

Shelly 35 State #2
Sec 35, T19S, R37E

API #30-025-35548
Lea county, New Mexico

Date : 3/12/2002

Activity: Producing

Remarks : 19 oil, 19 MCF, 41 water, 450 tbg pressure, 20 csg pressure

Date : 3/13/2002

Activity: Producing

Remarks : 19 oil, 26 MCF, 41 water, 450 tbg pressure, 20 csg pressure

Date : 3/14/2002

Activity: Producing

Remarks : 23 oil, 24 MCF, 42 water
Electricians, contractor and gang installed pump-off controller.

Date : 3/15/2002

Activity: POOH

Remarks : 19 oil, 23 MCF, 38 water.
MIRUPU. POH with rods and pump. ND wellhead, release TAC, NU BOP. POH with tubing. RIH with 4-1/2" x 2-3/8" RBP with CCL. Set RBP at 6920' with 10' out on joint 220. POH and spot EOT at 6755'. SWI, SDON.

Date : 3/16/2002

Activity: Perf & Acid

Remarks : RU Schlumberger and circulate hole with 120 bbls FW. Tested RBP to 3500 psi. Spotted 500 gals 15% NEFE HCL DI LST from 6755-5981. POH with tubing. Loaded hole with 9 bbls. ND BOP, NU 5K frac valve. Tested valve and RBP to 4500 psi. RU Schlumberger wireline and perforate Drinkard from 6744-6755', 3 spf, 120 degree, 16 gram, 41 entry hole, 18.5" penetration. RD wireline. RU Schlumberger and pump spot acid into perforations. Pumped .6 bpm at 4564 psi, 1 bpm at 4811 with formation break. Pumped total of 13 bbls ending with 1 bpm at 4697 psi. ISIP 4620, 5 min 4033. Pumped another 13 bbls at 1.5 bpm at 4350 psi, 2 bpm at 4520 psi, 2.5 bpm at 4779 psi, ISIP 4567 psi, 5 min 3767, 10 min 3374, 15 min 3076. LWSI, SDON. Contractor setting 6 500 bbl frac tanks and filling with 3000 bbls water.

Date : 3/18/2002

Activity: Frac

Remarks : MIRU Dowell frac equipment and TSI tree saver. Frac Drinkard perfs 6744-55 with 2000 gals 15% HCL followed by 78011 gals 30# gelled water with Borate xlink containing 62894 lbs 20/40 Jordan sand. Frac'd down 4-1/2" casing at 30 BPM. ATP at 6000 psi, MTP at 7000 psi. Note job was designed for 200000 lbs of sand. Near wellbore screenout occurred when 3 ppg sd hit perfs. Flush to top perf. BTL at 1857. Job scheduled as follows.

Stage Name	Slurry Rate	Fluid Name	Fluid Vol	Prop Name	Prop Mass
Acid	4.7	WF130	2029	None	0
Preflush	14.7	WF130	11031	None	0
Shut down ISIP at 4180, 5 min at 3763, 8 min at 3670					
Pad	23.8	YF130	29887	None	2040
1 ppa	30.7	YF130	10008	20/40 jordan	9816
2 ppa	30.7	YF130	10009	20/40 jordan	19797
3 ppa	30.7	YF130	10873	20/40 jordan	31239
Flush	8.0	Slick water	4173	None	2

ISIP 5489, 5 min 3731, 10 min 3525, 15 min 3438

Casing pressure 3100 psi after 2 hours. Opened to tank at 3:00 pm CST. Well flowed 9 hours with pressure falling to 40 psi and recovered 309 bbls water. At report time well is making 2 bph. TLTR 1857, TLR 317, LLTR 1540.

Matador Operating Company

Shelly 35 State #2
Sec 35, T19S, R37E

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Lea county, New Mexico

Date : 3/19/2002

Activity: Swabbing

Remarks : The well is flowing 2 BPH with 6 bbls recovered after report time. ND frac valve, NU BOP. RIH w/tbg to 6788' without tagging any sand. POH w/ tbg to 6660'. NU wellhead and start swabbing. IFL surface, made 13 runs recovered 86 bbls water and EFL 3600'. LWOTT SDON. TLTR 1925 TLR 409 TLLTR 1516

Date : 3/20/2002

Activity: Swabbing

Remarks : Start swabbing. IFL 800. Made 24 runs in 9 hours, recovered 126 bbls water. EFL 6200'. The last 3 runs well started cutting oil with last run cutting 3% oil. LWOTT, SDON. TLTR 1857, TLR 535, TLLTR 1322.

Date : 3/21/2002

Activity: Returning to rod pump

Remarks : Start swabbing. IFL 3400, swabbed 5hrs, recovered 61 bbls water w/ 3% oil cut at end. EFL6200'. RD swab. RIH w/ tbg and tagged sand at 6820'. RU stripper and swivel on tbg. Washed sand to top of RBP and circulate hole clean. Engage RBP and release w/ vacuum. POH w/ 12 stands tbg and SDON LWOTT SDON. TLTR 1925 TLR 596 TLLTR 1451

Date : 3/22/2002

Activity: Returning to rod pump

Remarks : FOH w/ tbg and RBP. RIH w/SN w/Collar, 18 jts 2-3/8", TAC, 212 jts 2-3/8". ND BOP, set TAC w/22" or 10 pts tension, NU wellhead. RIH w/pump and rods. Operator felt fluid level at 900' from surface. Hung well on and tbg pumped up in 20 mins. Pressured tbg to 500 psi w/good pump action. RDMOPU

Tubing Detail:

1	2-3/8" x 1 25/32 Seating Nipple w/cslg	1.31
18	2-3/8 EUE 8rd 4.7# J-55	565.70
1	4-1/2" x 2-3/8' Mod "B" w/ 35 pts Shr	2.82
212	2-3/8" eue 8RD 4.7# J-55	<u>6659.65</u>
		7229.48
	Anchor Setting	1.83
	KB Correction	<u>16.00</u>
	EOT (Seating Nipple)	7247.31

Rod Detail:

1	2" x 1 1/2" x 16' RHBC SV TCm SV SV	18.00
184	3/4" x 25' Trico "D" w/ FHT cplgs	4600.00
103	7/8" x 25' Trico "D" w/SHT cplgs	2575.00
1	7/8" x 4' Trico "D" Sub	4.00
1	1-1/2" x 26' Polish Rod w/ Inspray	<u>19.00</u>
		7216.00

Date : 3/23/2002

Activity: Producing

Remarks : 0 oil, 0 MFC, 79 water.

Matador Operating Company

Shelly 35 State #2
Sec 35, T19S, R37E

API #30-025-35548
Lea county, New Mexico

Date : 3/24/2002
Activity: Producing
Remarks : 0 oil, 2 MFC, 136 water.

Date : 3/25/2002
Activity: Producing
Remarks : 14 oil, 10 MFC, 124 water.

Date : 3/26/2002
Activity: Producing
Remarks : 56 oil, 31 MCF, 86 water.

Date : 3/27/2002
Activity: Producing
Remarks : 36 oil, 55 MCF, 85 water

Date : 3/28/2002
Activity: Producing
Remarks : 39 oil, 49 MCF, 64 water

Date : 3/29/2002
Activity: Producing
Remarks : 41 oil, 62 MCF, 73 water

Date : 3/30/2002
Activity: Producing
Remarks : 36 oil, 64 MCF, 67 water

Date : 3/31/2002
Activity: Producing
Remarks : 33 oil, 64 MCF, 62 water

Date : 4/1/2002
Activity: Producing
Remarks : 30 oil, 53 MCF, 46 water

Date : 4/2/2002
Activity: Producing
Remarks : 33 oil, 52 MCF, 53 water