

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

Amended *

Form C-103

Revised March 25, 1999

WELL API NO.

30-025-35584

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name:

Laughlin

8. Well No.

5

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 H : 2310 feet from the North line and 330 feet from the East line

Section 4 Township 20S Range 37E NMPM Lea County

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

3555 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 10/11/01

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:

2A Skaggs Drinkard 9-23-01

Matador Operating Company

Laughlin #5
Lea Co., NM

30-025-35584
Sec. 4, T20S, R37E

- 07/02/01 Check water flow up 8-5/8" x 4-1/2" annulus. Find flow rate of 3-4 BPH with slight show of oil and gas. 90 minute shut in pressure at 400 psi. 120 minute pressure at 400 psi. Find test plug in tubing head flange leaking. Contact Scarbrough equipment and find tubing head did not test. Bud Thorp (drilling consultant) reports that cement was flowing back through slips and packing around 4-1/2" casing. Location clean-up.
- 07/03/01 Waiting on completion rig.
- 07/17/01 4-1/2 x 8-5/8 annulus pressure at 500 psi. MIRU Basic Well Service. Take delivery of 221 joints new 2-3/8, 4.7# J-55 EUE tubing. NU BOP. Pick up and TIH with 3-7/8" bit, casing scrapper, 4 - 3-1/2 DC, and 103 joints tubing. SWI, SDON.
- 07/18/01 CIH with tools and tubing. Tag DV tool at 3821'. Drill out DV, test tools and casing to 2000 psi. CIH with tools and tubing. Tag at 6777'. Drill out to 6809' KB (213 joints tubing 6703', BHA 99.35', KF 7'). Circulate clean. Test casing at 5000 psi. Casing pressure after 12 min 4000 psi, 26 min 3000, 41 min 2500, 60 min 2250. TOH with tubing and tools. SWI, SDON.
- 07/19/01 RU Baker Atlas. TIH with temperature survey - sonic log, CCL and wireline. Made base pass with 8-5/8 x 4-1/2 annulus closed (500 psi). Open annulus. Wait 2 hours. Made second pass. TOH with same. Pump seal packing into ports on tubing hanger flange. Test flange to 3000 psi. Pressure casing to 5000 psi. CP after 30 minutes at 4650 psi. SWI, SDON.
- 07/20/01 TIH with CBL, CCL, GR and wireline to **PBTD** at 6806'. Run CBL to 6000' with no pressure. Repeat CBL from PBTD to surface with 1500# pressure. Cement bond 95-100% across zones of interest. Had good cement up to 2810' with scattered cement from 2810' to surface. TIH with tubing to 6675'. Circulate with 2% KCL. TOH with tubing. TIH with 3-1/8" casing guns loaded 3 SPF, 120 degree phasing for .31" x 19" holes, and wireline. **Perforate** 6658-6662, 6605-6608, 6539-6542 in one run (total of 32 holes). 75' fluid level change. TOH with guns and wireline. RD Baker Atlas. SWI, SD for weekend.
- 07/23/01 TIH with RBP, **packer** and tubing. Set RBP. Have trouble releasing on/off tools. Set **packer**. Attempt test. Reset and repeat. **Packer** will not test. Release **packer**, retrieve RBP and TOH. TIH with RBP and **packer**. Set same above **perfs** and test to 6000#. Release, CIH and set RBP at 6703'. Set **packer** at 6640'. Spot **acid** and treat **perfs** (6658-6662) with 1000 gal 7-1/2% NEFE. Pressure broke at 4626# at 1 BPM. Pump into **perfs** at up to 5.14 BPM and 5590 psi. Displace **acid** with 2% KCL. ISIP 4000#. **Perfs** communicate at shut down. 5 min 2579#, 10 min 2275, 15 min 2055, 15 min 1870. Release **packer**. COH to 6572'. Reverse circulate 50 bbls 2% KCL. Set packer with 12 points compression. SWI. Set tubing in hand slips. RD PU. SDON.
- 07/24/01 SITP 0#, SICP static. RU Aries. RU swab. FL first run at surface. Swab FL to SN, recovered 46 BW. Made one swab run each hour, recovered 1 bbl per run. Total fluid recovered is 49 BW. No oil, no gas. Casing remains static throughout the day. LWOTT. SDON. 49 BLR of 49 BTL.

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07/25/01 SITP 0#, SICP static. FL first run at 3000'. Swab FL to SN. Collect water sample for analysis. No oil or gas. RD swab. Release **packer**. TIH and release RBP. TOH and set RBP at 6635'. COH and set **packer** at 6571'. RU Schlumberger and spot **acid** to end of tubing. **Acidize perfs** 6605-08' with 1000 gal 7-1/2% NEFE HCL as follows: (1) 1 BPM at 2800# increasing to 5 BPM at 5700#. (2) Pressure broke to 4100#, continued pump in at max rate of 5.25 BPM. (3) Displace **acid** with 2% KCL. (4) ISIP 2330#, 5 min 2083, 10 min 1945, 15 min 1808. Release pressure. Release **packer** and RBP. Move and set RBP at 6576', set **packer** at 6508. Spot **acid** to end of tubing. **Acidize perfs** 6539-42 with 1000 gal 7-1/2% HCL NEFE as follows: (1) 1 BPM at 4100# increasing to 3 BPM at 5100#. (2) Pressure broke. Continued at max pump rate of 5.25 BPM at 4100#. (3) Displace with 2% KCL. (4) ISIP 2550#, 5 min 2275, 10 min 2220, 15 min 2179, 30 min 2110, 65 min 2000. Release pressure. Release **packer** and RBP. Move RBP to 6635 and set. Set **packer** at 6508. Open by-pass on **packer**. Reverse circulate 50 bbls 2% KCL. Close by-pass. RD Schlumberger. (73 bbls to recover). RU swab. Recovered 42 BW. FL at SN. Wait one hour. 1000' fluid entry. Repeat, same entry. 50 BTLR of 73 BTL. 23 BTLTR. LWOTT, SDON.

Water Analysis - Tubb Perfs 6658-62'

Anions	ppm
Chlorides	106888
Sulfates	4460
Carbonates	0
Bicarbonates	508

Cations	ppm
Calcium	3434
Magnesium	2558
Iron	268
Sodium	62618

Total dissolved solids: 202602.9 mg/L

07/26/01 No production overnight. Continue swab. FL first run at 3000'. 50% oil cut. Swab FL to SN. Recovered 24 bbls. Gas show behind swab. Released **packer**, released RBP and TOH. RU Baker Atlas. TIH with 3.7" gauge ring and wireline to 6700'. TOH with same. TIH with 4-1/2" Howco E-Z drill 10K cast iron bridge plug, CCL and wireline. Set **CIBP** at 6650'. TOH with wireline and tools. RD Baker Atlas. ND BOP. NU 7-1/16" 10K **frac** valve. SWI, SDON.

07/27/01 RU Schlumberger to **frac Tubb perfs** 6539' - 42' and 6605' - 08. Pump 2763 total bbl fluid, and 177300lb 20/40 Jordan propanant. Average pressure: 3863# Average rate: 37.7 BPM Max pressure: 6285# Max rate 45.7BPM ISIP: 2650. Begin flow back on 12/64 positive choke. Recover 63 bbl first hr, flowing pressure: 600#. Pressure and volume continue to drop. Total flow back: 290 BW. 290 BTLR of 2763 BTL. 2473 BTLTR

07/28/01 Pressure: 0# ND **frac** valve. NU BOP. TIH w/SN and tbg to 6583'. Pull 2 stands, SN @ 6460'. Well begins to flow 6 hr. (155 bw) RU swab. Make 9 runs recover 63 bw w/ skim of oil. FL @ 700'. Leave open to tank. SDON Rec. 218 BLW Today. SO 8 BTLR of 2763 BTL. 2255 BTLTR.

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07/29/01 Well flows 70 bw over night. Swab 7 hr. Recover 149 bw w/ skim of oil. FL @ 1600'. SICP: 0# Small gas show. Leave open to tank. SDON. Rec. 219 BLW Today. 727 BTLR of 2763 BTL. 2036 BTLTR.

07/30/01 SICP 0, FTP 0. No fluid recovered overnight. Continue swab. FL first run at 300'. RD Aries. RU Pool swab unit. Swab 8 hours. Made 25 runs. Recovered 185 BW with 3% oil. FL at 1700'. LWOTT. SDON. 912 BTLR of 2763 BTL. 1851 BTLTR.

07/31/01 SICP 0, FTP 0. No fluid overnight. Continue swab. FL first run at 700'. Fluid recovered first run, 30% oil. Swab 10 hours. Made 29 runs. Recovered 220 BW with 2% oil. LWOTT. SDON. 1132 BTLR of 2763 BTL. 1631851 BTLTR.

08/01/01 SICP 15, FTP 0. No fluid overnight. Continue swab. FL first run at 900'. Fluid recovered first run, 30% oil. Swab 10 hours. Made 30 runs. Recovered 224 BW with 5% oil. FL at 1800'. Gas show. SICP 20. LWOTT. SDON. 1356 BTLR of 2763 BTL. 1407 BTLTR.

08/02/01 SICP 120, FTP 0. No fluid overnight. Continue swab. FL first run at 1000'. Fluid recovered first run, 50% oil. Swab 10 hours. Made 30 runs. Recovered 223 BW with 10% oil. FL at 2100'. Gas show. SICP 80. LWOTT. SDON. 1579 BTLR of 2763 BTL. 1184 BTLTR.

08/03/01 SICP 275#, FTP 0. No fluid overnight. Continue swab. FL first run at 1100'. Fluid recovered first run 60% oil. RD Pool swab unit. RU Aries well service. Continue swab. Recovered 224 bbls. 5% oil. Gas show behind swab. LWOTT, SDON.

08/04/01 SICP 450#, FTP 0. No fluid overnight. Continue swab. FL first run at 1200'. Fluid recovered first run 60% oil. Swab 9 hours. Recovered 195 bbls. 5% oil. Gas show behind swab. FL at 1800'. SICP 475#. LWOTT, SDON.

08/05/01 SICP 550#, FTP 0. No fluid overnight. Continue swab. FL first run at 1200'. Fluid recovered first run 60% oil. Swab 6 hours. Recovered 127 bbls. 5% oil. Gas show behind swab. FL at 1900'. SICP 650#. LWOTT, SDON. 2125 BTLR of 2763 BTL. 638 BTLTR.

08/06/01 SICP 625#, FTP 0#. No fluid overnight. Continue swab. FL first run at 1100'. Fluid recovered first run 60% oil. TIH with 5 joints tubing. Tag at 6618'. RU kill truck with 2% KCL and circulate hole clean to **PBTD** at 6650'. RD kill truck. TOH with tubing. TIH with 1.75" seating nipple, 6 joints tubing, TAC set 40 points shear, 204 joints tubing. Set TAC at 6437' in 15 points tension. SN at 6618'. ND BOP. NU 5K B-1 flange. Pick up and TIH with 30' x 1.5" pump, 1" x 1' lift sub, 30 - 1.372 K bars (3/4" pins) with full hole 3/4" spray metal boxes, and 73 - 7/8" grade D rods with 7/8" slim hole spray metal couplings. SWI, SDON. 2125 BTLR of 2763 BTL. 638 BTLTR.

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08/07/01 CIH with 1" Fibercom rods. Space out 48" off bottom. RD Aries. NU wellhead hook up. Prep to set Lufkin 640 Mark until next am. 2125 BTLR of 2763 BTL. 638 BTLTR.

Tubing Detail:

204 jts	2-3/8" J-55 EUE 8rd 4.7# tubing	6430.00
	TAC (40 point shear) 2.75' + 3' stretch	5.75
6 jts	ditto tubing	185.00
	Seating nipple	<u>1.10</u>
210 jts	total tubing and tools	6621.85
	KB adjustment	<u>6.00</u>
	EOT	6627.85

Rod Detail:

	1" x 1' lift sub	
1	1.375 K bar	
	26K shear tool	
29	1.375 K bars (3/4 pins)	
73	7/8 D rods	
107	1" fibercom rods	
	9', 9', 3' ditto rod subs	
	1.5" x 26' SM polish rod	
	Pump - 20 - 150 - RXBC - 30 - 4 hard lined cages	
	T/C balls and seats	
	7/8 valve rod	
	4' spray metal plunger	
	291" max stroke	
	10" strainer nipple	

08/08/01 Set used Lufkin 640 Mark II pumping unit. 144" stroke. 50 HP motor. Will set electric panel and tie in power 08/09/01. SDON.

08/09/01 Waiting on electricity hook-up. Electricity will be hooked up 08/10/01.

08/11/01 0 oil, 0 MCF, 46 water, transferred 80 bbls from **frac** tank

08/12/01 0 oil, 0 MCF, 5 water

08/13/01 0 oil, 0 MCF, 17 water. Well appears to have trash in pump.

08/14/01 MIRU Aries Well Service. Check spacing. Long stroke pump. Very weak pump action, will build pressure, but very slow. Lowered rods 24". Hung on pump unit. No change in pump action. Pressure builds to 300# in 20 strokes. TOH with rods and pump. R&R pump to Wilson supply in Hobbs (this is where the pump was built). Will TIH 08/15/01. SWI, SDON.

08/15/01 Add second valve to bottom of pump (double standing valve). TIH with pump and rods. Hang on. Load with 5 bbls water. Pump will only build 10# per stroke. Pump 30 bbls 2% KCL down casing. Good pump action. Watch for 2 hours. Pump not working. Pump 85 bbls produced water down casing to clean pump and displace any trash in casing. Good pump action. Leave well on line. SDON. Note: put in 1" x 3' rod sub to improve spacing.

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08/16/01	Pump 54 BW overnight. Pump moving very little fluid at this time. Lower pump to light tag. No improvement in pump performance. TOH with rods and pump. RU swab. FL first run at 1000'. Swab 65 bbls, well flowed for 90 minutes. Oil cut while flowing 30-40%. Continue swab 5 hours. Well flowed 30 minutes every 5-8 runs. Recovered total of 186 bbls. Leave tubing open to tank. SICP 120#. SDON.
08/17/01	SICP 415#. No fluid overnight. Continue swab. FL first run at 1000'. Made 8 runs. Recovered 46 bbls. Well flowed 18 bbls in 3 hours. TIH with pump (rebuild pump with hollow valve rod) and rods. Space out, hang on. Load tubing with 3 BW. Test to 700#. Good pump action for 5 minutes. Stopped pumping. Reduced spacing. Good pump action for 45 minutes. Stopped pumping. Continue to try different spacing. Leave on line with pump spaced just above tag. Well pumped/flowed. SICP 500#. Leave casing shut in. SDOWE.
08/18/01	SICP 620#. Made 20 BO + 130 BW, estimated
08/19/01	SICP 720#. Made 65 BO + 300 BW, estimated
08/20/01	<p>116 oil, 207 water. SICP 820#. Well pumping/flowing. Removed 1" x 3' rod sub from rod string to improve polish rod spacing. Leave pump spaced 48" off bottom Good pump action. RD Aries. Release casing pressure. Continue to produce with orifice tester to check gas volume.</p> <p>Rod Detail:</p> <ul style="list-style-type: none"> 1" x 1' lift sub 1 1.375 K bar 26K shear tool 29 1.375 K bars (3/4 pins) 73 7/8 D rods 107 1" fibercom rods 9', 9' ditto rod subs 1.5" x 26' SM polish rod Pump - 20 - 150 - RXBC - 30 - 4 hard lined cages T/C balls and seats 7/8 valve rod 4' spray metal plunger 291" max stroke 10" strainer nipple
08/21/01	47 oil, 213 water
08/22/01	53 oil, 169 water
08/23/01	52 oil, 120 water
08/24/01	3 oil, 13 water
08/25/01	19 oil, 134 water
08/26/01	3 oil, 52 water, reset
08/27/01	<p>0 oil, 8 water, reset</p> <p>MIRUPU. Well not pumping. Longstroked. Re-spaced well. Well pumped 30 minutes. Pump gas locked. Unseat pump. POH. Pump shop added knocker valve on end of plunger. Changed 1 standing valve ball to silicon nitrite. RIH with pump and rods. Loaded tubing with 7 bbls. Left well pumping. SDON.</p>

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08/28/01	102 oil, 214 water Well pumping. RD. Clean location. MOPU.
08/29/01	72 oil, 296 water
08/30/01	71 oil, 296 water
08/31/01	61 oil, 255 water
09/01/01	66 oil, 201 water
09/02/01	52 oil, 200 water
09/03/01	58 oil, 201 water