

Submit 3 Copies To Appropriate District
Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87504

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87504

Form C-103
Revised March 25, 1999

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.)		WELL API NO. 30-025-35477
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Matador Operating Company		6. State Oil & Gas Lease No.
3. Address of Operator 310 W. Wall, Suite 906 Midland, Tx 79701		7. Lease Name or Unit Agreement Name: Laughlin
4. Well Location Unit Letter <u>J</u> : <u>1650</u> feet from the <u>South</u> line and <u>2210</u> feet from the <u>East</u> line Section <u>4</u> Township <u>20S</u> Range <u>37E</u> NMPM Lea County		8. Well No. 4
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3555 GR		9. Pool name or Wildcat Monument; Tubb

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 9/4/01

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

(This space for State use) ORIGINAL SIGNED BY

APPROVED BY PAUL F. KAUTZ TITLE PETROLEUM ENGINEER DATE SEP 20 2001

Conditions of approval, if any.

Matador Operating Company

Laughlin #4
Lea Co., NM

30-025-35477
Sec 4, T20S, R37E

- 07/10/01 MIRUPU. SD. Roustabout crew building battery.
- 07/11/01 Received 220 joints 2-3/8" EUE 8rd J-55 tubing. NU 5000# hydraulic BOP. BOP would not operate with closing unit. Changed out BOP. RIH with 3-7/8" bit, 4-1/2" casing scrapper, 6 3-1/8" DC and tubing. Tagged DV at 3726'. Pressured casing to 2500 psi. Drilling DV tool. Reciprocate scrapper through DV tool 15 times while rotating scrapper 1/4 turn on each pass. Test casing to 2500 psi. CIH with tubing. Tagged **PBTD** at 6805. Circulate hole clean, pulled 2 stands. SWI, SDON. Roustabout crew finished building battery.
- 07/12/01 Circulate hole with 2% KCL. Spot 500 gal 7-1/2% NEFE 5811'-6579'. TOH with tubing and tools. RU Baker Atlas wireline, CCL, GR, and CBL. Find TOC at or near surface, with no cement from 3700-4100'. Log from PBTD at 6800' to 6000' with no pressure. Repeat from **PBTD** to 3000' with 1500 psi. Cement bond across zones of interest looks very good with average bond above 95%. Release pressure. TOH with wireline and tools. TIH with 3-1/8" casing guns to **perforate** with charges loaded for .31" x 19" holes, 3 SPF, 120 degree phase. **Perforate** 6502-05, 6542-45, and 6574-77 (30 holes). TOH with same. Load hole with 1 bbl 2% KCL. Pressure to 2000 psi, pump 12 bbls into **perfs** at 1/2 BPM. SWI, SDON. Note: correlate CBL to HLS Spectral Density (6/8/01).
- 07/13/01 TIH with RBP, **packer**, CCL and tubing. Set tools at 6400' and test to 6000#. CIH and set RBP at 6590'. TOH, set **packer** at 6554'. RU Schlumberger. Spot 1000 gals 7-1/2% HCL, NEFE and **acidize perfs** 6574-6577'. Pump into formation at 5.5 BPM at 4800#. ISIP 2930 psi, 5 min 2510, 10 min 2385, 13 min pressure communicates with annulus, 15 min 2014. Move RBP and **packer** to 6562' and 6518' respectively. Bull head 1000 gal ditto **acid** into **perfs** 6542-6545' (26 bbls 2% KCL, 23 gals **acid**). Pump into **perfs** at 5.5 BPM at 4880#. With 6 bbls of flush remaining, pressure communicated with annulus. Pumped remainder of **acid**. ISIP 2820 psi, 5 min 2363, 10 min 2275, 15 min 2170. Move RBP and **packer** to 6480' and 6450' respectively and test at 6000#. Move same to 6523 and 6480. Spot 1000 gal ditto **acid**. Pump into **perfs** 6502-6505 at 5.5 BPM at 4800 psi. ISIP 2040 psi, 5 min 1900. Move RBP to 6590 and set. TOH with **packer** to 6480' and circulate hole with 90 bbls 2% KCL. Set **packer**. RD Schlumberger. RU swab. Made 8 runs. FL at SN. Recovered 41 BW. Good gas show. LWOTT, SDON.
- 07/14/01 Well is open to tank. IFL at 3700' with 3% oil cut. The second run, FL at 5000' with 1% oil cut. Total recovered to this point is 65 bbls. RDMOPU. MIRUSU. IFL at 5100'. Made 6 runs with good gas blow after runs. Recovered 12 BF. EFL 6000'. Samples showed a 20% oil cut. LWOTT, SD until Monday. 77 BLR of 91 BTL. 14 BTLTR.
- 07/16/01 Continue swab. FL first run at 3100', 80% oil. Swab FL to SN in 7 runs. 30% oil, good gas. Made hourly swab runs. Made 6 runs, recovered 4 bbls, 30-40% oil. Last two runs recovered total of 1/4 bbl. LWOTT, SDON. 81 BLR of 91 BTL. 10 BTLTR.
- 07/17/01 Continue swab. FL first run at 2800', 90% oil. After 7 runs, FL at SN. 40% oil cut with 10 psi gas blow behind swab. Wait 90 minutes, make run. 400' fluid entry. Repeat, 200' fluid entry. Repeat, 100' fluid entry. LWOTT, SDON. 10 runs, recovered 10 bbls. 91 BLR of 91 BTL.

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07/18/01 RU Key swab unit. RU Aries Well Service. Release **packer**. CIH, latch retrieving tool. Release RBP. TOH with tubing and tools. Lay down **packer** and RBP. ND BOP, NU **frac** valve. SWI, SDON.

07/19/01 MIRU Dowell **frac** equipment. RU TSI casing saver. **Frac** Tubb **perfs** 6502-05, 6542-45 and 6574-77 with 207613 pounds 20/40 Jordan sand and 144396 gals 35 pound xlink Borate down 4-1/2" casing at 50 BPM with 4900 ATP as follows:

Stage	Fluid	Fluid	Proppant	Prop
Name	Name	Volume	Name	Mass
WF 135	WF135	492	None	0
15% NEFE	HCL	2670	None	0
WF 135	WF135	9719	None	0
SD 30	WF135	0	None	0
Pad	YF135	6965	None	0
0.25 PPA	YF135	2004	20/40 Jordan	481
Pad	YF135	6959	None	1036
0.50 PPA	YF135	2007	20/40 Jordan	847
Pad	YF135	40037	None	527
1.00 PPA	YF135	12001	20/40 Jordan	11975
2.00 PPA	YF135	16019	20/40 Jordan	31584
3.00 PPA	YF135	20016	20/40 Jordan	59638
4.00 PPA	YF135	10015	20/40 Jordan	69670
5.00 PPA	YF135	5011	20/40 Jordan	24768
6.00 PPA	YF135	6405	20/40 Jordan	36911
Flush	WF135	4075	None	177

Final rate/psi at 50 BPM/4840 psi. ISIP 3351, 5 min 3264, 10 min 3213, 15 min 3172. RD **frac** equipment. RU PPS flowback equipment. Shut in after 4 hours at 2300 psi. OWTT. Flow 441 BLW in 14 hours. FCP at RT is 50 psi. Some gas at RT. 441 BTLR of 3438 BTL. 2997 BTLTR.

07/20/01 Flow back 55 BW in 3 hours. Slight gas show, no oil. ND **frac** valve. NU BOP. TIH with 202 joints 2-3/8" tubing. SN at 6351' RU swab. Swab 62 BW in 10 runs. Gas show, no oil. FL at 300'. LWOTT on 10/64 choke. SICP 30#. SDON. 558 BTLR of 3438 BTL. 2880 BTLTR.

07/21/01 No production overnight. SICP 80#. Continue swab. FL first run at surface. Recovered 173 BW in 9 hours. FL at 1700'. Gas blow behind swab. No oil. LWOTT. SDON. 731 BTLR of 3438 BTL. 2707 BTLTR.

07/22/01 No production overnight. SICP 0#. Continue swab. FL first run at 200'. Recovered 82 BW in 4 hours. Well began to flow 30-50% oil for 3 hours. Well died after 3 hours. Pumped 15 bbls 2% KCL down tubing. TIH with tubing to 6598'. LD 7 joints. ND BOP. NU new 2-1/16" 5K tree. Test same to 5000 psi. Continue swab. Well flowed behind swab up to 30 minutes then died. This report recovered 99 BW, 43 BO. LWOTT on 10/64 choke. SDON. 830 BTLR of 3438 BTL. 2608 BTLTR.

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07/23/01 No production overnight. SICP 0#. Continue swab. FL first run at 200'. 70% oil cut. Swab one hour. Down three hours for rig repair. RD Aries. RU Pool swab unit. FL first run at 700'. SICP 230#. Swab 7 hours. Recovered 156 bbls. Well flows after swab up to 2 hours. Good gas with 20-30% oil. SICP 230#. LWOTT on 48/64 choke. Flow 196 BW + 90 BO in 11 hours. Flowed 10 BO + 15 BW last hour with gas at 86 MCFD. 50 psi FTP on 48/64 choke. 1182 BTLR of 3438 BTL. 2256 BTLTR.

07/24/01 Overnight production: 194 BW + 90 BO. Continue flow overnight through 48/64 choke to test tank. Attempt to produce through test unit for 2 hours. Gas flow rate at 86 MCFD at 30 psi FTP. Well died. Made two swab runs. Well flowed 3 hours. Made 3 swab runs. Well began flowing. FTP 100, SICP 490. Fluid recovered this report: 263 BW + 324 BO. At report time, well is flowing at a rate of 12.5 BW per hour and 12.5 BO per hour. 1445 BTLR of 3438 BTL. 1993 BTLTR.

07/25/01 Continue flow overnight through 48/64 choke to test tank. Attempt to produce through production equipment for 2 hours. Gas flow rate at 350-500 MCFD at 30-150 psi FTP. Well died. Made 2 swab runs, well flowed 3 hours. Made 1 swab run, well continues to flow to tank. FTP 100#, SICP 650#. LWOTT. Well died at 12:00 am 7/26/01. Fluid recovered this report: 193 BW + 246 BO. 1638 BTLR of 3438 BTL. 1800 BTLTR.

07/26/01 FTP 0, SICP 915#. Continue flow until midnight through 48/64 choke to test tank. Continued swab at 6:30 am. FL first run at 1500'. Made 4 swab runs, well flowed. Swab/flow well through day. SICP up to 900 psi. SWI, SDON. Fluid recovered this report: 185 BW + 159 BO. 1823 BTLR of 3438 BTL. 1615 BTLTR.

07/27/01 FTP 370, SICP 550#. Continued swab at 6:30 am. FL first run @ 1500'. Make 2 runs, well flows 4 hr. Average rate: 350 mcf, 20 bph, 10 bphw. Swab/flow remainder of day. Leave open tank overnight. SDON. Fluid recovered this report: 185 BW + 181 BO. 2008 BTLR of 3438 BTL. 1430 BTLTR.

07/28/01 FTP 0, SICP 850#. Continue swab at 6:30 am. FL first run @ 1400'. Make 2 runs, well flows. Leave on line. SDON. Fluid recovered this report: 60 BW + 166 BO. 2068 BTLR of 3438 BTL. 1370 BTLTR.

07/30/01 FTP 0, SICP 0#. RD Pool swab unit. RU Aries well service. Circulate with 80 bbls 2% KCL. ND tree. NU BOP. Pick up and CIH with tubing. Tag sand at 6768'. TIH with SN, 6 joints tubing, TAC, 205 joints tubing. Set TAC at 6446' with 16 points tension. ND BOP. NU wellhead. SWI, SDON. 2068 BTLR of 3438 BTL. 1370 BTLTR.

07/31/01 Waiting on rod design. 2068 BTLR of 3438 BTL. 1370 BTLTR.

08/01/01 Down, waiting on rods. 2068 BTLR of 3438 BTL. 1370 BTLTR.

08/02/01 FTP 0, SICP 0. Pick up and TIH with 10" strainer nipple, 1.5" x 30' pump, 1" x 1' lift sub, 1 - 1-3/8" sinker bar, 26K shear tool, 29 1-3/8" sinker bars with 3/4" full hole spray metal boxes, 75 - 7/8" D rods with slim hole spray metal boxes, 104 - 1" fiberglass rods (Fibercom) with 7/8" slim hole spray metal boxes, 18' - 9' - 6' ditto rod subs and boxes, 26' x 1-1/2" polish rod. Space out 48" off bottom. RD Aries. Will set new 456 pump unit 08/03/01. SDON. 2068 BTLR of 3438 BTL. 1370 BTLTR.

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Tubing Detail:

205 jts	2-3/8" J-55 4.7# EUE 8rd tubing	6445.19
	TAC set 40 point shear	2.75
6 jts	ditto tubing	188.41
	1.75 ID seating nipple	1.10
211 jts	total tubing and tools	6637.45
	KB Adjustment	10.00
	EOT	6647.45

08/03/01	Set new Petrochem Equipment Corporation pump unit. Size: C - 456D - 305 - 120 with 50 HP motor and panel. Put on line. 120" stroke running 10.5 SPM. 2068 BTLR of 3438 BTL. 1370 BTLLTR.
08/07/01	206 oil, 139 MCF, 113 water. 2181 BTLR of 3438 BTL. 1257 BTLLTR.
08/08/01	427 oil, 386 MCF, 248 water. 2429 BTLR of 3438 BTL. 1009 BTLLTR.
08/09/01	364 oil, 432 MCF, 226 water. 2655 BTLR of 3438 BTL. 783 BTLLTR. Sold 930 BO.
08/10/01	320 oil, 408 MCF, 122 water. 2777 BTLR of 3438 BTL. 661 BTLLTR.
08/11/01	282 oil, 449 MCF, 193 water. 2970 BTLR of 3438 BTL. 468 BTLLTR.
08/12/01	296 oil, 546 MCF, 161 water. 3131 BTLR of 3438 BTL. 307 BTLLTR.
08/13/01	284 oil, 557 MCF, 127 water. 3258 BTLR of 3438 BTL. 180 BTLLTR.
08/14/01	276 oil, 557 MCF, 132 water, open to 26/64 choke. 3390 BTLR of 3438 BTL. 48 BTLLTR.
08/15/01	283 oil, 571 MCF, 120 water. 3438 BTLR of 3438 BTL.
08/16/01	231 oil, 561 MCF, 111 water
08/17/01	207 oil, 529 MCF, 138 water, 160 csg pressure
08/18/01	241 oil, 533 MCF, 117 water, 175 tbg pressure, 160 csg pressure
08/19/01	244 oil, 552 MCF, 124 water, 175 tbg pressure, 160 csg pressure
08/20/01	214 oil, 552 MCF, 137 water, 200 tbg pressure, 160 csg pressure
08/21/01	212 oil, 559 MCF, 129 water, 200 tbg pressure, 140 csg pressure
08/22/01	220 oil, 573 MCF, 110 water, 180 tbg pressure, 110 csg pressure
08/23/01	223 oil, 580 MCF, 109 water, 150 tbg pressure, 100 csg pressure
08/24/01	195 oil, 589 MCF, 123 water
08/25/01	215 oil, 608 MCF, 102 water
08/26/01	157 oil, 544 MCF, 16 water, down, reset, lightening hit water tank
08/27/01	0 oil, 412 MCF, 0 water, back on
08/28/01	401 oil, 515 MCF, 121 water, 170 tbg pressure
08/29/01	210 oil, 518 MCF, 114 water, 150 tbg pressure
08/30/01	204 oil, 536 MCF, 102 water
08/31/01	209 oil, 544 MCF, 101 water
09/01/01	185 oil, 536 MCF, 87 water
09/03/01	80 oil, 520 MCF, 82 water
09/03/01	214 oil, 512 MCF, 76 water