

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

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. 30-025-35827
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 5
4. Well Location Unit Letter <u>P</u> : <u>900</u> feet from the <u>South</u> line and <u>330</u> feet from the <u>East</u> line Section <u>5</u> Township <u>20S</u> Range <u>37E</u> NMPM <u>Lea</u> County		8. Well No. 1
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3573 KB		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 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 8/21/02

Type or print name Russ Mathis
(This space for State use)

ORIGINAL SIGNED BY
PAUL F. KAUTZ
PETROLEUM ENGINEER

Telephone No. (915) 687-5955

APPROVED BY _____ TITLE _____ DATE AUG 27 2002
Conditions of approval, if any:

Matador Operating Company

LAUGHLIN 5 #1
Sec 5, T20S, R37E

API #30-025-35827
Lea County, New Mexico

- 3/7/2002 Vacuum truck emptied cellar and pulled water off location. Cost of Production casing is on this report also.
- 3/8/2002 Backhoe leveled location. Contractor started setting anchors.
- 3/11/2002 Roustabout crew finished plumbing valves in the cellar. Backhoe filled cellar. Contractor set one more mast anchor. MI and spot pulling unit. Received 211 joints 2-3/8" EUE 8rd 4.7# J-55 tubing. Total with threads on 6715.88'. Set in reverse equipment and filled pit. Unable to rig up due to high winds. SDON.
- 3/12/2002 MOPU. Hauled tubing to Hobbs for storage at Bulldog Yard. Contractor picked up reverse equipment.
- 3/13/2002 Completion on hold pending pooling issues
- 3/14/2002 Roustabout crew and backhoe built tank and treater pads.
- 3/15/2002 Contractor set 2 500 bbl steel stock tanks and 1 4x20 heater treater. Roustabout crew started plumbing production equipment. Contractor setting reverse equipment into location.
- 3/16/2002 Roustabout crews building battery. MIRUPU. SDON.
- 3/17/2002 SI
- 3/18/2002 NU BOP. RIH with 3-7/8" bit, 4-1/2" casing scrapper, 4 3-1/8" DC. Cleaned 211 joints 2-3/8" tubing. Found 1 bad joint with bad pin. RIH with tubing to 3835.51' KB and tagged. Tested casing to 2500 psi - ok. RU swivel and washed and drilled to 3858 and drilled DV. Passed bit, scrapper through DV 15 times rotating and 15 times rotating 1/4 turn per pass. Laid down swivel and tested casing to 2500 psi - ok. RIH with tubing and tagged PBTD at 6743.82' KB. Circulated hole clean. SWI, SDON. Roustabout crews building battery. Duke spotted meter run. Set 6 frac tanks and started filling with 3000 bbls water.
- 3/19/2002 Spot 10 bbls 10# brine from 6743'-6098'. Pull tbg to 6543' and circulate well w/ 100 bbls FW. Spot 500 gal 15% NEFE HCL DI LST acid from 6543-5776. POH w/tbg, laid down collars, scrapper and bit. ND BOP, NU 5K frac valve. Loaded hole w/FW and tested csg and valve to 4500psi. RU Schlumberger and run GR CCL from 6700'-6000'. Perforate 6454-6460, 6530-6540 w/ 3-1/8" 16 gram, .35 entry hole, 21.6" penetration, 3 SPF 120 deg phasing w/ 48 total holes. RD WL Pumped acid into formation as follows: 1 bpm 1985 psi, 1.5 bpm 3419 psi w/formation break, 2.5 bpm 2426 psi, 3.5 bpm 2400 psi w/5 bpm 2335 psi, 5 bpm 2280 psi w/ 13 bbls pumped. ISIP 1920, 5#-1634, 10#-1474, 15#-1263. RD Schlumberger LWSI.
- 3/20/2002 RU TSI tree saver and Schlumberger to frac well. Frac Tubbs perms 6454-6460 and 6530-6540 down 4-1/2" casing as follows:
- | Stage Name | Slurry Rate | Fluid Name | Fluid Vol | Prop Name | Prop Mass | Pressure |
|---|-------------|-------------|-----------|--------------|-----------|----------|
| Preflush | 2.8 | WF130 | 8117 | None | 0 | 4774 |
| Perform leak off test with 193 bbls WF130 at 40 bpm with 4774 psi. Stage down at 30 bpm 4029 psi, 20 bpm 3416 psi, 13 bpm 2950 psi. ISIP 2373 psi, 5 min 1994, 15 min 1881, 53 min 1570. SWI. | | | | | | |
| Pad | 38.9 | YF130 | 29911 | None | 1615 | 4400 |
| 1 ppa | 40.7 | YF130 | 7013 | 20/40 Jordan | 6710 | 4291 |
| 2 ppa | 40.4 | YF130 | 7013 | 20/40 Jordan | 13694 | 4186 |
| 3 ppa | 40.3 | YF130 | 10013 | 20/40 Jordan | 29766 | 4106 |
| 4 ppa | 40.4 | YF130 | 10014 | 20/40 Jordan | 39683 | 4060 |
| 5 ppa | 40.2 | YF130 | 7010 | 20/40 Jordan | 34765 | 4081 |
| 6 ppa | 40.5 | YF130 | 5479 | 20/40 Jordan | 32294 | 4160 |
| Flush | 6.0 | Slick water | 4162 | None | 690 | |
| ISIP 3080, 5 min 3020, 10 min 2987. | | | | | | |
| SWI. RD Tree saver. RD Schlumberger. TLTR 2283 bbls. Open well at 4:00 pm with 1840 psi. Flowed 322 bbls in 12 hrs with cut off at 4:00 AM 3/21/02. Last hour recovered 8 bbls with trace of oil. Well had a trace of oil after 204 bbls recovered. TLTR 2283, TLR 322, TLLTR 1961. | | | | | | |

Matador Operating Company

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Lea County, New Mexico

3/21/2002 Well is unloading 3-4bph w/ trace of oil. ND frac valve and NU BOP. RIH w/ 30stands tbg. Tbg is unloading. Pumped 2 bbls 10# brine in tbg. FIH w/ 200jts 2 3/8" EUE 8rd 4.7# J-55 tbg. ND BOP, NU tree. Start swabbing IFL surface, made 12 runs, recovered 100bbls, EFL 800' and holding. LWOTT SDON TLTR 2283 TLR 459 TLLTR 1824

Tubing Detail

1- 2 3/8" x 1 25/32 SN w/ Notched Cpig	1.32
200- 2 3/8" EUE 8rd J-55 4.7#	6326.36
KB Adjustment	16.00
EOT	6343.68

3/22/2002 Start swabbing IFL surface, made 30 runs, recovered 6bbls oil, 186bbls water, EFL 1200'. The last 2hrs swabbing cutting 15% oil w/ good gas during run. Gas falls off 1-2mins after run. LWOTT SDON TLTR 2283 TLR 645 TLLTR 1636 Roustabout crew and backhoe installed flowline.

3/23/2002 Add 500' to beginning level fluid. Swab 10 oil, 142 water in 9 hrs. Final fluid at 1500'. LWOTT. SDON. TLR 787 TLTR 1494

3/24/2002 Beg FL 800'. Swab 10 oil, 65 wtr in 5 hours. LWOTT SDON. TLR 852 TLTR 1429

3/25/2002 Check FL. FL @ 800'. RU Kill Truck. Circ well w/ 125 bbls FW. ND tree NU BOP. RIH w/ tbg to 6660'. Did not tag any sand. POOH w/ tbg. RIH w/ mud anchor, perf sub, PAC, SN, & tbg. Set TAC w/ 10 pts tension. ND BOP. Install Tog hanger. SWI SDON. (Note: SN @ 6283.41' KB)

Tubing/Rod Detail:

198 jts 2 3/8" 4.7# J-55 EUE 8rd	6262.74
1- 2 3/8 x 4 1/2 MOD B TAC w/ 40 pt she	3.00
1- 2 3/8 API SN	1.10
1- 2 3/8 J-55 Perf Sub	4.16
1- 2 3/8 x 4 1/2 MOD B TAC w/slips removed	3.00
1- 2 3/8 J-55 Perf Sub	4.16
1 jt 2 3/8" 4.7# J-55 EUE 8rd w/bull plug on bottom	32.43
198 jts tbg & tools	6310.59
10 pts tension	1.67
KB Adj	16.00
EOT	6328.26

3/26/2002 RIH w/ pump and rods. Set Lufkin 228-213-86 used pumping unit supplied by Tomsco. Start well to pumping at 5:00 PM 3/26/02. Left well producing over night.

Rod Detail:

1	1 1/2" X 25' Polished Rod	
77	7/8" Trico "D" rods with SHT cplgs	1925
172	3/4" Trico "D" rods with FHT cplgs	4300
1	2" X 1 1/2" X 16' RHBC,HVR 2stage pump With 12.5' DIP TUBE	

3/27/2002 0 oil, 0 MCF, 94 water. Well pumped good overnight. RDMOPU.

3/28/2002 25 oil, 26 MCF, 187 water

3/29/2002 50 oil, 148 MCF, 63 water

3/30/2002 39 oil, 137 MCF, 75 water

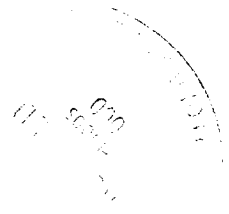
3/31/2002 45 oil, 124 MCF, 99 water

4/1/2002 39 oil, 89 MCF, 61 water, generator down

4/2/2002 45 oil, 41 MCF, 89 water

4/3/2002 50 oil, 85 MCF, 101 water

4/4/2002 36 oil, 80 MCF, 95 water



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4/5/2002 39 oil, 72 MCF, 86 water
4/6/2002 36 oil, 83 MCF, 85 water
4/7/2002 45 oil, 85 MCF, 77 water
4/8/2002 36 oil, 83 MCF, 68 water
4/9/2002 34 oil, 76 MCF, 61 water, venting gas (Duke shut in)
4/10/2002 30 oil, 20 MCF, 69 water, venting
4/11/2002 34 oil, 0 MCF, 57 water, venting gas
4/12/2002 36 oil, 0 MCF, 58 water
4/13/2002 39 oil, 52 MCF, 54 water
4/14/2002 31 oil, 64 MCF, 50 water
4/15/2002 33 oil, 57 MCF, 49 water
4/16/2002 34 oil, 61 MCF, 54 water. The well is not producing at maximum rates. Fluid level is 787' from surface. MIRUPU. POH with rods and pump. Sent pump to shop to add a equalizer valve on the plunger. SDON.
4/17/2002 25 oil, 51 MCF, 12 water. RIH with pump and rods. Loaded tubing with 8 bbls PW. Pressured tubing to 500 psi. Stroked unit to 500 psi. Let unit pump for 1 hour and RDMOPU.
4/18/2002 28 oil, 67 MCF, 76 water
4/19/2002 34 oil, 65 MCF, 78 water
4/20/2002 41 oil, 83 MCF, 70 water
4/21/2002 33 oil, 82 MCF, 57 water
4/22/2002 37 oil, 63 MCF, 46 water
4/23/2002 36 oil, 75 MCF, 59 water
4/24/2002 33 oil, 81 MCF, 50 water
4/25/2002 31 oil, 78 MCF, 51 water
4/26/2002 31 oil, 82 MCF, 52 water
4/27/2002 30 oil, 82 MCF, 50 water
4/28/2002 23 oil, 82 MCF, 37 water
4/29/2002 36 oil, 82 MCF, 43 water
4/30/2002 31 oil, 82 MCF, 43 water, down est 2 hours
5/1/2002 28 oil, 82 MCF, 55 water
5/2/2002 28 oil, 169 MCF, 41 water
5/3/2002 31 oil, 66 MCF, 47 water
5/4/2002 28 oil, 34 MCF, 36 water

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5/5/2002 27 oil, 64 MCF, 38 water. **FINAL REPORT.**

5/8/2002 MIRUPU. POH with rods and pump. ND wellhead, NU BOP, released TAC. POH with tubing and BHA. Pump truck pumped 15 bbls 10# brine in casing. RIH with 4-1/2" packer, with CCL, SN and tubing. Locate 39' SJ at 6123-6162. CIH and located collar at 6497'. Set packer element at 6504'. LCOTT and SIT. SDON.

4-1/2" CCL

4-1/2" x 2-3/8" Arrow Set 1 packer	7.00
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2-3/8" x 1-25/32 seating nipple 1.10

205 jts	2-3/8" EUE 8rd J-55 4.7#	6484.82
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2 - 2-3/8" tubing subs	14.18
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205 jts	total tubing and tools	6507.10
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KB adjustment	<u>16.00</u>
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EOT 6491.10

5/9/2002 IFL 2800'. Made 12 swab runs, recovered 10 bbls oil, 7 bbls water. EFL 6450. Last four hours swabbing recovered 1.3 bbls with 30% oil cut. Tubing volume from 2800'-6500' is 14.3 bbls. After each run tubing on vacuum for 4 minutes then good gas entry. LWOTT and casing SI with 50 psi. SDON.

5/10/2002 IFL 4800'. Made 5 swab runs, recovered 3 bbls oil, 2.5 bbls water. EFL 6450. LTOTT, SDON.

5/11/2002 SDFWE

5/12/2002 SDFWE

5/13/2002 IFL 2350'. Swabbed 9 bbls oil, 7 bbls water, EFL 6450. Casing 200 psi. RU Schlumberger. Acidize perforations from 6530-40 with 5000 gals 20% DGA acid. Loaded tubing/casing annulus with 30 bbls FW, est fluid level at 3000 FFS. Pressured annulus to 500 psi, pumping 2 bpm. Started acid with tubing loading in 24 bbls at 2.5 bpm with pressure increasing to 4015 psi and formation broke with 32 bbls. Pressure decreased to 3886 at 2.7 bpm. Increased tubing/casing annulus pressure to 1000. Increased rate to 10 bpm at 4700 psi. Tubing and casing communicated after 61 bbls in tubing. Finished acid at 10 bpm tubing 4252, casing 2710 with 115 bbls acid. Flushed with 26 bbls 2% KCL at 10 bpm with 4433 psi. ISIP tubing 2088 casing 2435, 5 min tubing 284 casing 746, 9 min tubing vacuum casing 449. RD Schlumberger. Start swabbing. IFL 1300' swabbed 4 hours, recovered 19 oil, 59 water, EFL 2300' and holding. Last cut 20% oil with good gas. LWOTT SDON. TLTR 141, TLR 59, TLLTR 82.

5/14/2002 Continued swabbing. IFL 2300'. Swabbed 5.5 hrs, recovered 27oil, 69 water, EFL 2300' and holding. Last 2 runs oil cut 60% with good gas and casing pressure building from 100 to 200 psi. Bled casing with oil unloading. Pumped 5 bbls 10# brine in casing. Released packer and pumped 5 bbls brine in tubing. POH with tubing and packer. Pumped a total of 50 bbls brine in well to get out of hole. Welder made gas anchor and slotted SN. RIH with 2-7/8" slotted mud joint with BP, 4-1/2" Dummy TAC, 2-3/8" slotted SN, 2-3/8" x 1-25/32 SN, 4-1/2" x 2-3/8" Mod B TAC, 199 joints 2-3/8" EUE 8rd J-55 4.7# tubing. NU BOP, set TAC with 21" or 12 points tension, NU 6" 1500 tubing hanger and wellhead. Connect tubing to battery. LWOTT SDON. TLTR 141, TLR 128, TLLTR 13.

5/15/2002 Pumped 10 bbls FW in tubing. RIH with pump and rods. Loaded tubing with 3 bbls. Stroked pump to 500 psi - ok.
RDMOPU.

Tubing Detail:

2-7/8" BPMJ

2-7/8 jt with 2-3/8" collars welded on

each end with BP & 4 staggered slots	31.24
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4-1/2" x 2-3/8" TAC with slips removed	2.92
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2-3/8" slotted NS	1.10
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2-3/8" x 1-25/32" SN	1.10
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4-1/2" x 2-3/8" Mod B TAC	3.05
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198 jts	2-3/8" EUE 8rd J-55 4.7#	6262.74
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198 jts	total tubing and tools	6302.15
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Anchor setting	1.75
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KB correction	16.00
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RD correction	<u>15.00</u>
End of BPMJ	6319.90

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API #30-025-35827
Lea County, New Mexico

Rod Detail:

	2" x 1-1/2" x 16' RHBC HVR 2 stage with equalizer valve, 125' max stroke, 1-5/8" fishing neck, 4' plug, APL-515	16
	3/4" x 1' lift sub	1
172	3/4" x 25' Trico D with FHT couplings	4300
77	7/8" x 25' Trico D with SHT couplings	1925
	7/8" x 6' Trico D sub	6
	1-1/2" x 26' spray metal polish rod	<u>19</u>
	End of pump	6267

5/16/2002 0 oil, 17 MCF, 11 water, down on reset

5/17/2002 49 oil, 37 MCF, 133 water

5/18/2002 120 oil, 118 MCF, 139 water, transferred 40 bbls oil from frac tank

5/19/2002 56 oil, 116 MCF, 112 water

5/20/2002 50 oil, 131 MCF, 133 water

5/21/2002 67 oil, 143 MCF, 199 water

5/22/2002 59 oil, 196 MCF, 170 water. Roustabout crew set a 30"x10' 2 phase separator. Separator was moved from the Laughlin # 6.

5/23/2002 52 oil, 169 MCF, 141 water

5/24/2002 50 oil, 158 MCF, 136 water

5/25/2002 44 oil, 168 MCF, 128 water

5/26/2002 42 oil, 141 MCF, 112 water

5/27/2002 48 oil, 164 MCF, 124 water, FINAL REPORT

6/1/02