

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. 30-025-35923
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 checked="" type="checkbox"/> FEE <input 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: Shelley 34 State
4. Well Location Unit Letter <u>A</u> : <u>800</u> feet from the <u>North</u> line and <u>330</u> feet from the <u>East</u> line Section <u>34</u> Township <u>19S</u> Range <u>37E</u> NMPM Lea County		8. Well No. 1
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3609 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 8/20/02

Type or print name Russ Mathis

Telephone No. (915) 687-5955

(This space for State use)

APPROVED BY _____ TITLE ORIGINAL SIGNED BY
PAUL F. KAUTZ DATE AUG 27 2002
Conditions of approval, if any: PETROLEUM ENGINEER

Matador Operating Company

**Shelley 34 State #1
Sec 34, T19S , R37E**

**API #30-025-35923
Lea county, New Mexico**

7/1/2002 Vacuum truck emptied cellar. Roustabout crew plumbed surface valve to surface, installed 2" 5000 psi ball valves and poured cement in cellar. Backhoe leveled location. Contractor set mast anchors.

7/2/2002 MIRUPU. Moved tubing from Shelley 35 # 4. Contractor cleaned and inspected tubing. RIH with 3-7/8" RR bit, 4-1/2" casing scrapper, 4 3-1/8" DC and tubing. Tagged up at 3829'. RU reverse unit, tested casing to 1500 psi and drilled cement to top of DV at 3847'. Drilled DV. Passed bit and scrapper through DV 20 times. RD swivel and tested casing to 1500 psi - ok. RIH with tubing tagging up at 7110'. Drilled DV debris and cement to 7138' KB. Circulated hole clean and tested casing to 1500 psi - ok. SWI, SDON.

7/3/2002 RU Cudd. Spot 500 gals 15% NEFE DI LST HCL at 7019'. POH with tubing, LD collars and BHA. RU Jarrel Services. Ran GR CCL from 7127' wireline PBTD to 5100'. Perforated from 6950-67, 6987-91, 6996-7000', with 3-3/8" casing gun, 3 SPF, 120 deg phasing, .34" EH, 12 gram charges, 19.08" penetration. RIH with SN and 216 joints tubing. ND BOP, NU tree with wrap around. Reverse acid into tubing. Displace acid into formation with tubing and casing pressured up at 1.7 bbls away to 3446 psi. Formation broke at 4212 psi.

7/4/2002 SITP vacuum. Acidize Drinkard perms 6950-65, 6987-91, and 6996-7000 with 4100 gals 15% HCL with NEFE and LST agents with DI down 2-3/8" tubing. Dropped 110 1.3 SG ball sealers halfway through acid. Had 424 psi increase when balls hit perms. Pressure broke back 220 psi. Treated at 4.4 bpm at 4590 tubing pressure and 4069 casing pressure (dead string). When acid hit pressure broke back to 3576 psi on casing pressure at 4.7 bpm. When balls hit, pressure came up to 4000 casing pressure and then broke back to 3783 casing pressure. Final rate and pressure 3.8 bpm at 3827 casing pressure. ISIP 3815, 5 min 3492, 10 min 3307, 15 min 3117. OWTT. Begin swab. Swab 106 BF in 4 hours and 13 runs. BFL at surface. FFL at 3600'. Cutting 5% oil at end of day. LWOTT. SDON. Recovered 106 BL of 194 BTL. 98 BTLLTR.

7/5/2002 0 psi tubing pressure. BFL at 2700'. Swab 5 BO + 70 BW in 8 hours. FFL at 6200'. Recovered 176 BL of 194 BTL. 28 BTLLTR.

7/6/2002 0 psi tubing pressure. BFL at 4600'. Swab 5 BO + 30 BW in 4 hours. FFL 5600'. Last run 25% oil. Recovered total of 10 BO + 206 BL of 194 BTL. 2 bbls over load.

7/7/2002 SI

7/8/2002 Well open to tank. Casing 290 psi. IFL 3600'. Swabbed 7 hours, recovered 62 bbls with last run 10% oil. EFL 6200'. Last 2 hours recovering 250' or 1 bbl of fluid on each run. Ending casing pressure 170 psi. 7/5/02 Contractor set 2 - 500 bbls stock tanks, 1 - 210 bbls open top FG water tank, 1 4x20 heater treater. Roustabout crew building battery 7/5, 7/6, 7/8.

7/9/2002 Well open to tank. Casing 290 psi. IFL 4800'. Swabbed 7 hours, recovered 30 bbls water and 5 bbls oil. EFL 6200'. Ending casing pressure 170 psi. Roustabout crew building battery.

7/10/2002 Well open to tank. Casing 150 psi. IFL 5600'. Swabbed 6 hours, recovered 25 bbls water and 4 bbls oil. EFL 6200'. Ending casing pressure 90 psi. Roustabout crew building battery.

7/11/2002 Well open to tank. Bled tubing/casing annulus pressure. ND tree, NU BOP. Pumped 15 bbls FW in casing and 10 bbls FW in tubing. POH with tubing. RU JSI Wireline and ran 3.79" gauge ring to 7122' KB. POH and found 5 frac balls in basket. RIH and set 4 1/2" Howco EZ-Drill 10K CIBP at 6980' KB. RD JSI. RIH with 4 1/2" packer, SN, and 216 joints tubing. Set packer at 6833' KB. RU swab IFL 4000', made 17 bbls first hour. Second hour FL 6200' made 3 bbls. Third hour FL 6200', making 2 runs/hour recovering 600' of fluid each run with 25% oil cut, good gas after runs. Total recovery 24 bbls total fluid. Roustabout crew building battery 1/2 day.

7/12/2002 Well open to tank. IFL 4500' pulled from 5800' recovered 50% oil with good gas. RDMOPU. MIRUSU. IFL 4200' after 2 hours of down time. Recovered 40 bbls total fluid on 15 runs and 8 hours of swabbing. EFL 6600' making 2 runs/hour recovering 2.5 - 3 bbls/hour. LWOTT, SDON.

7/13/2002 Well open to tank. IFL 4900'. Recovered 17 bbls total fluid on 11 runs and 5 hours of swabbing. EFL 6600' making 2 runs/hour recovering 2.5 - 3 bbls/hour. Oil cut holding at 20%. LWOTT, SDON.

7/14/2002 SDFWE

7/15/2002 Well open to tank. IFL 3500'. Recovered 42 bbls total fluid on 19 runs and 9 hours of swabbing. EFL 6600'. LWOTT, SDON.

Matador Operating Company

**Shelley 34 State #1
Sec 34, T19S , R37E**

**API #30-025-35923
Lea county, New Mexico**

- 7/16/2002 Well open to tank. IFL 4500'. Recovered 32 bbls total fluid on 15 runs and 9 hours of swabbing. EFL 6600'. Last oil cut 15-20% of 2 bbls. LWOTT SDON. Roustabout crew building battery.
- 7/17/2002 RDMOSU. Roustabout crew installed 2-3/8" 5000 psi gate valve and plumbed well to test tank.
- 7/18/2002 – 7/21/2002 SI
- 7/22/2002 100 PSI SITP. Blow to tank. Open by-pass on packer and allow to equalize. Release packer. POH with 216 joints tubing and packer. RU Jarrel services. Ran junk basket on wireline. Ran and set Halliburton 10K EZ Drill CIBP at 6935. RIH with tubing OE to 6745. Spot 400 gals 15 % HCL with NEFE additives with double inhibitor. POH with tubing. NU Gaurdian 5K Frac valve. Test CIBP and valve to 5000 psi - ok. . LWSI, SDON.
- 7/23/2002 RU Jarrel services. Perforate Tubb formation from 6656-60, 6694-98 and 6738-42 at 3 spf using 3 3/8" CG loaded with 23 gram charges. .43 EH, 31.8" penetration. Well static. RU kill truck. Pressure casing to 4000 when perfs broke. Pump perf acid away at 2 bpm at 3500 psi. ISIP 3400. 5 min 1350, 10 min 800. SWI SDON.
- 7/24/2002 WO Frac
- 7/25/2002 RU TSI casing saver. RU Schlumberger Frac equip. Frac Tubb perfs 6656-6742 with 20000 gals gelled 20 % HCL and 25000 gals 30 LB Borate cross link and 12000 gals 30 lb linear gel down 4 1/2" csg at 40 BPM. MTP 6350, ATP 6100. Schedule as follows:
- 15000 gals XL Pad
10000 gals gelled Acid
20 Ball Sealers
10000 gals XL Pad
10000 gals gelled Acid
12000 gals gelled water.
- ISIP 3310, 5 min 2918, 10 min 2670, 15 in 2410,
- RD Frac equip. SITP after 80 min at 800 psi. OWTT on 22 ck. Flowed 10 BW and died. ND Frac valve and NU BOP. RIH with 210 jts tbg (6629.7) SN and collar on SN. EOT with 10' KB adjustment at 6640.70'. RU swab. BFL at surface.. Swab 35 BW in 1 1/2 hours when well kicked off flowing. Flow 28 BF with estimated 100 MCFD gas rate in 40 min. SWI to work on flowline. SITP after 30 min at 220 psi. OWTT at 5:30 PM LWOTTON.
- 7/26/2002 Flow 190 BF in 11 hrs. Kill well with 135 BW. ND BOP NU Tree complete with wrap around (no BPV profile). RU swab swab 15 BW and well kicked off. Continue flow testing well. Installed flare. Gas rate at approximately 1 mmcf with 500 FTP.
- 7/27/2002 Flow 3 BO and 209 BW Previous 24 hrs. Rate on gas is estimated at 1 mmcf. SWI to install gas meter. Pressure increased to 1100 psi in 1 hour. Continued flow test through meter. Flowing 1.5 mmcf with 500 psi FTP.
- 7/28/2002 Prod 4 BO and 35 previous 24 hours. Gas spot rate at 1.5 mmcf with 500 psi. Continue flow test. (Monday morning report: Flowed 12.5 BO and 17.5 BW. Spot gas rate @ 1.5 mmcf with 495 psi.)
- 7/29/2002 Report time 5:00 am CST. Tbg pressure 495 psig, csg 595 psig. Flowing 1.513 mmcf, 11 bbls oil, 11 bbls H2O on 24/64" choke. Flow time is for 22 hrs. Oil 46.7 gravity at 60 deg. Gas company clearing right-of-way for gas line. (Pulling gas and oil samples today) emptied frac tanks and released all tanks.
- 7/30/2002 Received production vessel from the Diamante. Roustabout crew installing vessel. Report time 5:00 am CST. Tbg pressure 400 psig, csg 540 psig. Flowing 1.566 mmcf, 16.57 bbls oil, 9.87 bbls H2O on 26/64" choke. Flow time is for 24 hrs. Contractor clearing right-of-way for gas line.
- 7/31/2002 Turn to sales at 4:30 pm.
- 8/1/2002 Report time 5:00 am CST. Tubing pressure 320 psig, casing 475 psig. Flowing 1.441 mmcf, 10.4 bbls oil, 10.9 bbls H2O on 32/64" choke. Flow time is for 23 hrs. SWI for 1 hour. Clean water dump of rubber. Increased choke to 32/64" at 9:00 PM. Total gas sales for the last 24 hours 1.390 mmcf.
- 8/2/2002 22 oil, 1390 MCF, 32 water, 250 tbg pressure, 460 csg pressure. FINAL REPORT