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District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
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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

WELL API NO. 30-025-35399
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Cooper 5

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 660 feet from the East line
Section 5 Township 20S Range 37E NMPM Lea County

8. Well No.
7

9. Pool name or Wildcat
Monument; Tubb

10. Elevation (Show whether DR, RKB, RT, GR, etc.)
3562' 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: Well 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 5/3/01

Type or print name Russ Mathis Telephone No. 915-687-5955
(This space for State use)

APPROVED BY _____ TITLE _____ DATE JUN 7 2001

Conditions of approval, if any:

Matador Operating Company

Cooper 5 #7
Sec. 5, T20S, R37E

API #30-025-35399
Lea Co., NM

- 03/22/01 MIRU Aries. Take delivery of 217 joints new J-55 EUE 8rd tubing (6865.47' threads on). SDON.
- 03/23/01 Pick up and TIH with 3-7/8" bit, casing scrapper, 4 DC, x-over, and tubing. Tag at 4027'. Drill cement and DV to 4039'. CIH with tools and tubing. Tag **PBTD** at 6746' KB. Circulate hole clean. Pressure test casing to 4000 psi for 10 minutes. Release pressure. RD pump. SWI, SDOW.
- 03/26/01 TOH with tubing to 6543'. Wait on Schlumberger 2 hours. RU and spot 500 gals 15% NEFE double inhibited **acid** from 6543 to 5777'. TOH with tubing and tools. RU Howco wireline. TIH with CBL, CCL, and gamma ray. Find **PBTD** at 6723'. Log 300' with no pressure. Log main pass with 1000#. Cement bond is good across zones of interest (less than 5 millivolts), below and above DV tool. Log to 2600'. TOH with tools and wireline. TIH with 3.375" expendable guns, 60 degree phasing. Gun was loaded with 5 of 6 shots per foot. Charges were PYX-SDP with 21 gram loading. **Perforate** 6444-6447 and 6515-6518. Fifteen .3" holes per interval (30 holes total). TOH with same. Casing on vacuum after **perf** of top zone. FL at 25'. SWI, SDON.
- 03/27/01 Well static. Wait on BJ Tools 1 hour. TIH with PPI tools and tubing to 5800' (1 hour, 45 min). RU Schlumberger. Pump 13 bbls 2% KCL to displace **perf acid** into **perfs** at 2300# at one BPM. CIH with tools and tubing. Set tools across **perfs** 6515-18. Top seals will not hold. Re-set tools above **perfs**, will not seal. Work with tools to get seal. Attempt to release and move down hole. Can move up, not down. Pull 5 stands to clear any trash from tools. Re-set tools over **perfs**. Attempt to pump into **perfs** at 4000# with very slow leak-off. TIH with over-shot for spot control tool. Recover same. Attempt to release tools to spot **acid**. Repeat same problems as before. TOH with tubing and tools. Find pack-off rubbers missing from lower part of tool, one rubber gone from upper part. SWI, SDON.
- 03/28/01 Well static. TIH with RBP, retrieving tool, **packer**, SN and tubing. Set RBP at 6559'. Set **packer** at 6550' and test to 6000 psi for 10 min. Release **packer**. Pump 1000 gal 15% NEFE, LST, double inhibited **acid** plus 2 bbls 2% KCL to spot. Set **packer** at 6466'. Displace **acid** into **perfs** with 2% KCL as follows: 1st break at 3350# - 2 BPM, 2nd 3200# - 3 BPM, 3rd 4000# - 4.5 BPM, 4th 4700 - 5000# - 6 BPM. ISIP 2700#, 5 min 1561#, 10 min 1021#, 15 min 723#, 30 min 270#, 60 min 123#. Release **packer**. Retrieve RBP. Set RBP at 6466'. Set **packer** at 6460. Test to 600 psi for 10 min. Release **packer**. Pump 1000 gal of same **acid** as above. Set **packer** at 6402'. Displace **acid** into **perfs** with 2% KCL as follows: 1st 4000# - 2 BPM, 2nd 4400# breaking to 3000# - 3 BPM, 3rd 3500# - 4.5 BPM, 4th 4100# - 6 BPM, 5th 4600# - 6.5 BPM. ISIP 1700#, 5 min 1364#, 10 min 874#, 15 min 471#, 30 min 93#, 60 min 0#. RD Schlumberger. Release **packer**, retrieve RBP. TOH with tubing and tools. ND BOP. NU **frac** valve. SWI, SDON.

Matador Operating Company

Cooper 5 #7
Sec. 5, T20S, R37E

API #30-025-35399
Lea Co., NM

03/29/01 RU Schlumberger **frac** equipment. RU TSI 10K wellhead saver. **Frac** Tubb **perfs** 6444-47 and Drinkard **perfs** 6515-18 down 4-1/2 casing with 183490 pounds 20/40 OTTAWA sand and 2713 bbls 38# Xlink borate. Average rate - 50 BPM. Average pressure - 4500 psi. Had 700 psi increase in net pressure during job. ISIP 2953, 5 min 2930, 10 min 2898, 15 min 2870, 30 min 2800 psi. RD **frac** equipment. SIP after 3 hours at 2125. OWTT. Flow 315 BW in 7 hours 40 minutes. Well dead. 315 BTLR of 2713 BTL. 2398 BTLTR.

Job schedule as follows:

<u>Stage</u>	<u>Rate</u>	<u>Fluid</u>	<u>Fluid Vol</u>	<u>Prop</u>	<u>Mass</u>	<u>Press</u>
15% HCL	10	Acid	2000	0	0	4700
Stape Rate	50	35# linear	6000	0	0	4850
Pad	29.3	YF135D	5965	0	0	4880
0.25 PPA	50.7	YF135D	2001	20/40 OTTAWA	486	4623
Pad	50.4	YF135D	5984	0	366	4637
0.50 PPA	50.4	YF135D	2027	20/40 OTTAWA	404	4700
Pad	50.4	YF135D	20000	0	146	4793
1.00 PPA	50.5	YF135D	11983	20/40 OTTAWA	12376	4678
2.00 PPA	50.5	YF135D	13978	20/40 OTTAWA	28491	4335
3.00 PPA	50.5	YF135D	19979	20/40 OTTAWA	60477	4289
4.00 PPA	50.6	YF135D	5964	20/40 OTTAWA	24795	4211
5.00 PPA	50.5	YF135D	5971	20/40 OTTAWA	30647	4166
6.00 PPA	50.7	YF135D	4610	20/40 OTTAWA	25302	4070
Flush	4.10	YF135D	4067	0	0	0

03/30/01 RD PPS testers. ND **frac** valve. NU BOP. TIH with SN and tubing to 6582' (no tag). TOH with same to 6394'. RU swab. FL at surface. Made 12 swab runs. Recovered 165 BW with skim of oil. 480 BTLR. 2233 BTLTR.

03/31/01 FL at surface. Made 10 swab runs. Recovered 120 BW with 5% oil. FL at 1500' when well begins to flow (600 total BW recovered). Flow 167 BW, 83 BO in 8 hours. Casing pressure 20#. FTP 220#. Total recovered before testers: 767 BW, 83 BO. RU PPS test separator ad flair stack. PPS 11 hour report: 112 BW, 146 BO, gas rate 353 MCFD, FTP 340#, CP 192#. 879 BTLR, 229 BO. 1834 BTLTR.

04/02/01 365.94 oil, 408 MCF, 230.69 water. FTP at 5:30 am 4/02/01 at 410 psi. 1109 BTLR. 1604 BTLTR.

04/02/01 FTP 410#, SICP 765#, gas rate 404 MCFD, oil 16.7 BPH, water 8.4 BPH. RU pump truck with 2% KCL. Circulate well with 100 bbls while pumping down tubing. TIH with tubing to 6582' (no tag). Lay down 6 joints tubing. Seating **nipple** at 6397'. ND BOP. NU used 2-1/16" 5K tree. Attempt test on wrap around, fail. Re-dress wrap-around. Repeat test, fail. (Note tubing head is used and bought from Scarborough in Hobbs. Most likely, wrap-around test failed due to poor quality seal surface in tubing head). RU swab. Made 3 runs. Recovered 45 bbls. Well flows. Shut in 20 minutes to RD swab and RU tester. TP 475 psi. Well on test. Tubing detail to follow.

04/03/01 333.60 oil, 480 MCF, 226.27 water. FTP at 5:30 am 4/03/01 at 450 psi. Currently flowing 17 BOPH and 10 BWPH. 1335 BTLR. 1378 BTLTR.

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04/04/01	465.40 oil, 589 MCF, 139.06 water. FTP at 5:30 am 4/04/01 at 510 psi. Currently flowing 22.8 BOPH and 5 BWPH. 1474 BTLR. 1239 BTLLTR.
04/05/01	482.46 oil, 750 MCF, 69.94 water. FTP at 5:30 am 4/05/01 at 550 psi. Currently flowing 23.75 BOPH and 2.67 BWPH. 1544 BTLR. 1169 BTLLTR.
04/06/01	675.67 oil, 1035 MCF, 121.57 water. FTP at 5:30 am 4/06/01 at 385 psi. Currently flowing 30.47 BOPH and 4.93 BWPH. 1665 BTLR. 1048 BTLLTR. Sold 544 BO.
04/06/01	Continue tank battery construction. Two 500 bbl steel stock tanks are in use plus two rented frac tanks are on hand and tied in if needed. Two additional stock tanks are to be delivered 4/11/01. The gas sales line should be tied in today. <u>Tubing Detail:</u> 204 jts new 2-3/8" J-55 Lone Star EUE 8rd tubing 6381.94 2-3/8" x 1.75" seating nipple 1.10 204 jts total tubing and tools 6383.04 KB Adjustment 13.00 6396.04
04/07/01	691.37 oil, 1160 MCF, 117.22 water. FTP at 5:30 am 4/07/01 at 345 psi. Currently flowing 28.45 BOPH and 3.67 BWPH. 1782 BTLR. 931 BTLLTR. Sold 180 BO.
04/08/01	642.61 oil, 1113 MCF, 101.49 water. FTP at 5:30 am 4/08/01 at 320 psi. Currently flowing 24.60 BOPH and 4.37 BWPH. 1884 BTLR. 829 BTLLTR. Sold 555 BO.
04/09/01	582.47 oil, 1090 MCF, 69.3 water. FTP at 5:30 am 4/09/01 at 310 psi. Currently flowing 24.15 BOPH and 2.34 BWPH. 1953 BTLR. 760 BTLLTR. Sold 360 BO.
04/10/01	527.25 oil, 1037 MCF, 78.63 water. FTP at 5:30 am 4/10/01 at 290 psi. Currently flowing 21.26 BOPH and 3.41 BWPH. 2031 BTLR. 682 BTLLTR. Sold 556 BO.
04/11/01	501.74 oil, 1025 MCF, 75.50 water. FTP at 5:30 am 4/11/01 at 300 psi. Currently flowing 20.82 BOPH and 2.98 BWPH. 2107 BTLR. 606 BTLLTR. Sold 544 BO.
04/11/01	Contractor set 2 500 bbl stock tanks and roustabout crew started connecting tanks.
04/12/01	466.75 oil, 981 MCF, 63.10 water. FTP at 5:30 am 4/12/01 at 300 psi. Currently flowing 19.41 BOPH and 2.65 BWPH. 2170 BTLR. 543 BTLLTR. Sold 718 BO.
04/13/01	526.69 oil, 1004 MCF, 67.92 water. FTP at 5:30 am 4/13/01 at 245 psi. Currently flowing 24.84 BOPH and 2.80 BWPH. 2238 BTLR. 475 BTLLTR. Sold 468 BO.
04/14/01	443.77 oil, 1058 MCF, 62.95 water. FTP at 5:30 am 4/14/01 at 270 psi. Currently flowing 18.17 BOPH and 2.29 BWPH. 2301 BTLR. 412 BTLLTR. Sold 354 BO.
04/15/01	422.94 oil, 1059 MCF, 59.08 water. FTP at 5:30 am 4/15/01 at 240 psi. Currently flowing 17.42 BOPH and 2.39 BWPH. 2360 BTLR. 353 BTLLTR. Sold 372 BO.
04/16/01	402.52 oil, 1039 MCF, 56.74 water. FTP at 5:30 am 4/16/01 at 205 psi. Currently flowing 16.67 BOPH and 2.28 BWPH. 2417 BTLR. 296 BTLLTR. Sold 334 BO.

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04/17/01 Production will lag behind one day.
Water Analysis: sample taken 4/13/01, results reported as PPM unless otherwise stated

Barium as Ba	0.00
Carbonate alkalinity PPM	0.00
Bicarbonate alkalinity PPM	956.00
pH at lab	7.11
Specific gravity at 60 deg F	1.05
Magnesium as Mg	5742.00
Total hardness as CaCO3	9900.00
Chlorides as Cl	40242.00
Sulfate as SO4	6750.00
Iron as Fe	0.00
Potassium	24.00
Hydrogen Sulfide	0.00
Rw	0.16
Total dissolved solids	58000.00
Calcium as Ca	4158.00
Nitrate	88.00

Gas Analysis: sampled 4/13/01

<u>Component</u>	<u>MOL %</u>
Hydrogen sulfide	
Nitrogen	2.824
Carbon dioxide	1.472
Methane	78.736
Ethane	9.663
Propane	4.559
I-Butane	0.493
N-Butane	1.185
I-Pentane	0.234
N-Pentane	0.249
Hexane Plus	0.585
	100.000

BTU/Cu. Ft. - dry	1183
At 14.650 - dry	1179
At 14.650 - wet	1159
At 14.73 - dry	1186
At 14.73 - wet	1165

Molecular weight 20.8491

Specific gravity	
Calculated	0.719
Measured	0.792

04/17/01	404 oil, 996 MCF, 63 water, 220 tbg pressure, 680 csg pressure, on 34/64 choke
04/18/01	370 oil, 994 MCF, 52 water, 260 tbg pressure, 680 csg pressure
04/19/01	362 oil, 976 MCF, 50 water, 240 tbg pressure, 650 csg pressure

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04/20/01	370 oil, 962 MCF, 51 water, 250 tbg pressure, 650 csg pressure
04/21/01	342 oil, 945 MCF, 48 water, 240 tbg pressure, 650 csg pressure
04/22/01	334 oil, 929 MCF, 47 water, 240 tbg pressure, 650 csg pressure
04/23/01	323 oil, 912 MCF, 40 water, 190 tbg pressure, 640 csg pressure
04/24/01	329 oil, 893 MCF, 43 water, 200 tbg pressure, 620 csg pressure
04/25/01	319 oil, 875 MCF, 42 water, 210 tbg pressure, 600 csg pressure
04/26/01	312 oil, 859 MCF, 37 water, 230 tbg pressure, 600 csg pressure, 34/64 choke
04/27/01	318 oil, 846 MCF, 42 water, 210 tbg pressure, 600 csg pressure
04/28/01	292 oil, 883 MCF, 41 water, 210 tbg pressure, 600 csg pressure
04/29/01	286 oil, 823 MCF, 41 water, 210 tbg pressure, 600 csg pressure
04/30/01	259 oil, 806 MCF, 36 water, 180 tbg pressure, 600 csg pressure
05/01/01	293 oil, 795 MCF, 38 water, 180 tbg pressure, 550 csg pressure
05/02/01	282 oil, 784 MCF, 38 water, 200 tbg pressure, 580 csg pressure