

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. 30-025-35850
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: Williams "34"
4. Well Location Unit Letter <u>K</u> : <u>1650</u> feet from the <u>South</u> line and <u>2310</u> feet from the <u>West</u> line Section <u>34</u> Township <u>19S</u> Range <u>37E</u> NMPM Lea County		8. Well No. 4
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3582 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 8/22/02

Type or print name Russ Mathis

Telephone No. (915) 687-5955

(This space for State use)

APPROVED BY PAUL F. KAUTZ TITLE PETROLEUM ENGINEER DATE AUG 29 2002
Conditions of approval, if any:

Matador Operating Company

Williams 34 #5

Sec 34, T19S, 37E

API #30-025-35850

Lea County, New Mexico

- 3/26/2002 Drilling rig moved off well 3/26/02. Backhoe back dragged location. Set mast anchors and test same. Note: cost of production casing is included on this report.
- 3/27/2002 MIRUPU. Received 235 joints (7221.01 ft) of 2-3/8" 4.7# N-80 EUE 8rd tubing from Matador stock at Bulldog yard. Material transfer # 00061. Install BOP. RIH with 3-7/8" skirted used bit, 4-1/2" scraper, 4 3- 1/8" DCs and tubing incomplete. SWI, SDON.
- 3/28/2002 CIH with tubing to tag at 3838'. RU swivel and drill DV tool at 3851'. Made several passes through DV with bit and scraper. Pressure test DV tool and casing to 2000 psi for 15 minutes - ok. CIH with tools and tubing to tag PBTD at 7041' KB. POH with same. Lay down BHA and release pump and swivel. SWI, SD for Easter.
- 4/1/2002 RU Jarrel Wireline. TIH w/ CBL, gamma ray, and wireline. Find BTD @ 7028' by wireline measure (12' correction to tie in). Pull CBL to 6765' with no pressure. Repeat from PBTD to 4980' with 1500 psi. Good bond across zones of interest. TOH w/ same. TIH w/ 3.375" perf guns loaded 3 SPF, 120 deg phase for .35" EH. Perf 6894' - 6904' (30 holes). TOH w/ same. RD Jarrel. TIH w/ TS RBP, TS T3 PKR and TBG. Set RBP @ 6934' (226 jt), set PKR @ 6837' (223 jt). RU Schlumberger to acidize with 2500 gal 15% HCL. Pressure annulus to 1000#. Attempt to 'bull head' into formation. Pump .25 bpm @ 5000#. Open by-pass on pkr, pump 25 bbl acid. Close by-pass and continue job. Pressure breaks with acid on formation. Continue job 3.5 bpm @ 4300#. With 1250 gal acid pumped, drop 45 ball sealers. Balls on formation pressure increased to 6000#. Slow rate to .25 bpm @ 5500# for 2 bbl with little change. Surge balls off, continue job 3.5 bpm @ 4250#. Flush with fresh water to top perf (95 bbl pumped). ISIP: 3700# 5 min: 3584# 10 min: 3552# 15 min: 3529# RD Schlumberger. Flow to tank 30 min (21 bw). TP: 0# RU swab. Swab 2 hr, recover 38 bw. FL @ 4200'. Leave open to tank on 20/64 choke. SDON Total fluid recovered: 59 bw
- 4/2/2002 IFL=3600'. Swabbed 9 hours. Recovered 20 barrels of water, and 5 barrels of oil. EFL= seating nipple. Last cut showed 100% water with slight mud. Swabbing from SN. 1 BPH recovery at end of day.
- 4/3/2002 Well is open to tank. IFL 5300'. Made 13 runs, recovered .5bbls oil and 11bbls water. EFL SN after the 2nd run. Last hr 5% oil with small amount of gas after run. Making one run per hr and recovering .5bbls per run. Attempted 2 runs per hr without any fluid recovery on run. 90 BTR of 85 BTL, 5 BBL overload. LWOTT SDON
- 4/4/2002 Well is open to tank. IFL 5700'. Made 11 runs, recovered .2bbls oil and 9 bbls water. EFL SN Last hr 5% oil with small amount of gas after run. Contractor set pumping unit. Moved 2-500bbls steel stock tanks, 1- fiberglass water tank and 1- 4x20 heater treater from the Cooper 4 #1. LWOTT SDON. Water analysis is forthcoming.
- 4/5/2002 Well is open to tank. IFL 6000'. Made 11 swab runs. Recovered .5 BO + 5.5 BW. EFL at SN. Last hour cut 5% oil. Roustabout crew building battery. LWOTT, SDOWE. Water analysis as follows:
Water sampled 4/3/02
Specific gravity 1.068 at 75 degrees F. Ph 6.50
- | Anions | ppm |
|--------------|-------|
| Chlorides | 65058 |
| Sulfates | 0 |
| Carbonates | 0 |
| Bicarbonates | 506 |
-
- | Cations | ppm |
|-----------|-------|
| Calcium | 9387 |
| Magnesium | 2730 |
| Iron | 281 |
| Sodium | 26202 |
- Total dissolved solids: 111246.30
Total Ion equivalent NaCl concentration: 105774.20 ppm

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Williams 34 #5

Sec 34, T19S, 37E

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Water sampled 4/5/02

Specific gravity 1.070 at 71 degrees F. Ph 6.50

Anions	ppm
Chlorides	58310
Sulfates	3738
Carbonates	0
Bicarbonates	598

Cations	ppm
Calcium	5022
Magnesium	1453
Iron	187
Sodium	31150

Total dissolved solids: 107490.80

Total ion equivalent NaCl concentration: 99168.37 ppm

4/6/2002 SDFWE

4/7/2002 SDFWE

4/8/2002 Well is open to tank. IFL 5700'. Made 1 run. Recovered 4 bbls fluid with 50% oil cut. RD Swab. Pumped 23 bbls FW in tubing. Released packer and picked up 3 joints. Installed tubing swivel and started washing to RBP. Washed down over RBP and engaged. Continue to circulate bottoms-up. Released RBP, POH with tubing and tools. RU Howco. RIH and set 4-1/2" 10K CIBP at 6860' KB. RIH with tubing and circulated hole with 95 bbls FW. Spotted 500 gals 15% NEFE HCL with LST and DI from 6670'- 5902'. POH with tubing, ND BOP and NU frac valve. Tested casing, wellhead, frac valve and CIBP to 5000 psi - ok. RU Howco and perforate Tubb from 6580-86 and 6660-70 with 3 SPF, 120 deg phasing, 12.5 gram, 15" penetration, and .35 entry hole. RD Howco. RU Schlumberger and pumped spot acid away. Pumped 3.6 bpm with 3621 max pressure and 3350 ending pressure. Pumped a total of 13 bbls water. ISIP 2900, 5 min - 719, 10 min - vacuum. RD Schlumberger. Contractor set and filled 5 frac tanks over the weekend. Roustabout crew building battery. LWOTT, SDON.

4/9/2002 Install casing saver. RU Schlumberger. Frac Tubb perforations from 6580-86 and 6660-70 down 4-1/2" casing at 35 bpm with 59110 gals 30 lb borate and 34326 lb 20/40 Jordan sand. Pump schedule as follows.

Stage Name	Slurry Vol	Fluid Name	Proppant Name	Prop Mass
Minifrac	221.1	WF130	None	0
Stepdown 35 bpm at 5900, 30 bpm at 5319, 15 bpm at 4953, ISIP 4266, 5 min 3589, 10 min 2994, 15 min 2660, 20 min 2284, 30 min 1680				
Pad	476.2	YF130	None	1424
0.5 ppa	146.1	YF130	20/40 Jordan	2725
1.0 ppa	199.1	YF130	20/40 Jordan	7879
2.0 ppa	300.7	YF130	20/40 Jordan	22284
Flush	101.0	Slick water	None	14

ISIP 4280, 5 min - 3845, 10 min - 3735, 15 min - 3598 psi. SI and RD frac crew. Breakdown 4381 psi, max 6070 psi. SD 10 am. Opened well to choke at 11 am with 2550 psi. At 12 pm 750 psi with 21 bbls recovered. At 1 PM 6 psi with 9 bph flow rate and 38.5 bbls recovered. The well stopped flowing at 8 pm MST with 52.5 bbls recovered. LWOTT.

4/10/2002 Well is dead. ND frac valve and NU BOP. RIH with sand line and tagged-up at 6730'. (Bottom perf 6670). RIH with tubing to rod pump well. ND BOP, set TAC with 12 points tension, and NU tubing hanger. RIH with pump and part of rods. LWOTT, SDON. Roustabout crew building battery.

Matador Operating Company

Williams 34 #5

Sec 34, T19S, 37E

API #30-025-35850

Lea County, New Mexico

Tubing Detail:

2 jts	2-3/8" EUE 8rd 4.7# L-80	59.62
	2-3/8" EUE 8rd Perf sub J-55	4.10
	4-1/2" x 2-3/8" Mod B Dummy TAC	2.78
	2-3/8" EUE 8rd Perf sub J-55	4.08
	2-3/8" x 1-25/32" seating nipple	1.10
	4-1/2" x 2-3/8" Mod B TAC with 35K shr	<u>2.82</u>
209 jts	2-3/8" EUE 8rd 4.7# L-80	6419.62
211 jts	total tubing and tools	6494.12
	Anchor Setting	1.83
	KB adjustment	<u>16.00</u>
	EOT	6511.95

4/11/2002 FIH with rods. Spaced pump 6" off bottom. Stroked pump with good pump action. Align pumping unit to center stuffing box. Electricians connected service to generator. Started unit and stroked pump to 500 psi ok. RDMOPU. Backhoe and crew installed buried flowline. Started well producing to tanks.

Rod Detail:

	2" x 1-1/2" x 16' RHBC HVR 4' SM	
	PLG SC BBL 1-5/8" FN with 1" x	
	15.6' Mule SH gas anchor	16
	3/4" x 1' lift sub	
172	7/8" x 25' Trico D with FHT cplgs	4300
82	7/8" x 25' Trico D with SHT cplgs	2050
4	7/8" x 8 x 6 x 4 x 2 x Trico D rod subs	20
	1-1/2" x 26' Polish rod with inspray	<u>19</u>
		6405

4/12/2002 0 oil, 0 MCF, 121 water

4/13/2002 3 oil, 0 MCF, 68 water, filling heater treater

4/14/2002 0 oil, 0 MCF, 32 water, filling heater treater

4/15/2002 3 oil, 21 water

4/16/2002 8 oil, 11 water. Shot fluid level. Fluid level close to surface. Well not pumping properly. Called for pulling unit. Pulling unit will be on location am 4/17/02.

4/17/2002 6 oil, 15 water. The well is not producing. MIRUPU. POH with rods and pump. Sent pump to shop to install equalizer valve. ND wellhead, released TAC, NU BOP. RIH with tubing and tagged PBTD at 6837' KB. Laid down tubing. ND BOP, set TAC with 21" or 12 points tension and NU tubing head. Start swabbing with IFL at 5000'. Swab cups would not go passed 5800'. Made 2 runs, recovered 6 bbls fluid to production tanks. SDON.

4/18/2002 3 oil, 3 water. Continue to swab. IFL 5500'. Second run the tubing was dry. Made one run per hour for 3 hours, finding FL at 5500' on each run. Increased to two runs per hour with FL at 6100'. (SN at 6400'). Well cutting 50-80% oil with 1-2 bbls/run recovery. Last runs showed grit through-out sample. Recovered total of 14 bbls in stock tanks. EFL 6100'. Laid down swab. ND wellhead, released TAC, and NU BOP. POH with tubing and BHA. LWOTT SDON.

4/19/2002 RIH with 4-1/2" RBP, 4-1/2" packer with CCL, SN and 220 joints 2-3/8" tubing. Set RBP at 6765' KB. Locate collars and set packer at 6630 KB with 215 joints tubing with 3 subs 4' x 6' x 8'. RU swab. IFL 4700'. Pulled from SN. No fluid entry next three hours. LWOTT, SDOWE.

4/20/2002 SDFWE

4/21/2002 SDFWE

4/22/2002 Swabbing. IFL 4900'. Recovered 50% oil. Second 5700', Third 6400'. SD 1 hour between runs 3-5 with FL each time at 6400'. RU swab, released packer and POH with tubing and packer. RU JSI and perforate Tubbs from 6670-80 with 3-3/8" casing guns 3 SPF .43 entry hole, 22.7 gram, with 31.83' penetration. RD JSI. RIH with retrieving tool, CCL 4-1/2" packer and tubing. Swing packer above perf's. SDON.

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Williams 34 #5

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Lea County, New Mexico

4/23/2002 FIH with tubing. Space out with subs and set packer. Installed BO2 bushing, 6" x 2-3/8" Catcus "C" wraparound (purchased from Cooper) and tree. Landed tree with 20 points compression on packer. Loaded tubing/casing annulus with 55 bbls FW. Install treesaver. RU Schlumberger to frac 6660-6680' with 500 gals 20% HCL 60 ball sealers, 11239 gals DGA 20% Gelled acid and flushed with 28 bbls flush. Pressured annulus to 500 psi increasing to 1200 psi. Start job at 4 bpm at 7400 psi with acid on pressure decreased to 6119. Increased rate to 12 bpm at 7700 psi. After 90 bbls pumped tubing/casing annulus pressure increased to 4200 psi. Decreased rate to 6.5 bpm with 4600 psi and 3200 psi on annulus. ISIP 3120, 5 min 2345, 10 min 1310, 15 min 661. RD Treesaver with tubing on slight vacuum. Start swabbing. IFL 600' made 12 runs. EFL 3400'. Recovered 62 bbls water and spent acid. TLTR 310 TLR 62 TLLTR 248 LWOTT SDON.

Tubing Detail:

	4-1/2" x 2-3/8" retrieving tool	2.37
	4-1/2" Mech CCL	1.37
	4-1/2" x 2-3/8" TST 3 10K packer	6.67
	2-3/8" x 1-25/32 seating nipple	1.10
214 jts	2-3/8" EUE 8rd 4.7# N-80	6577.83
	3 - 2-3/8" EUE 8rd N-80 subs (new)	18.11
1 jt	2-3/8" EUE 8rd 4.7# N-80	<u>30.65</u>
	EOT (tbg set with CCL to collar log)	6638.10

4/24/2002 Start swabbing. IFL 3000'. Made 31 runs. EFL 3100'. Recovered 120 bbls water and oil with 15% oil cut during day. TLTR 310 TLR 164 TLLTR 146 LWOTT SDON.

4/25/2002 Start swabbing. IFL 3100'. Made 23 runs. EFL 3300'. Recovered 98 bbls water and oil with 15% oil cut during day. TLTR 310 TLR 247 TLLTR 63 LWOTT SDON.

4/26/2002 Start swabbing. IFL 3300'. Made 6 runs. EFL 3300'. Recovered 15 bbls water and oil with 15% oil cut on last run. TLTR 310, TLR 259, TLLTR 51. RD swab, ND tree and wrap around. NU BOP and released packer. RIH and attempt to engage RBP without success. RU pump truck and attempt to wash frac balls off RBP. Pumped a total of 260 bbls without being able to engage RBP. RU pump truck. POH with tubing, packer, CCL and retrieving tool. RIH with new retrieving tool and tubing. Left 5 stands of tubing out of the well. LWOTT, SDON.

4/27/2002 FIH with tubing. RU pump truck and reverse FW attempting to wash balls off RBP fishing neck. Rotated tubing to drill balls up. After drilling and washing 560 bbls of FW the retrieving tool latched onto the RBP. Released RBP and POH with tubing, retrieving tool and 4-1/2" RBP. The RBP mandral had several balls below the by-pass. LWOTT, SDFWE.

4/28/2002 SDFWE

4/29/2002 Well is open to tanks. RIH with BHA and tubing. ND BOP, set TAC with 21" or 12 points tension. NU tubing hanger flange. RIH with pump and rods. Spaced pump 6" off bottom, load tubing with 12 bbls PW and pressured to 500 psi - ok. Stroked pump to 500 psi - ok. RDMOPU. Turn well to production battery.

Tubing Detail:

1 jt	2-7/8" Mud joint with 2-3/8" collars & BP	31.70
	4-1/2" x 2-3/8" Mod B dummy TAC	3.00
	2-3/8" slotted seating nipple	1.10
	2-3/8" x 1-25/32" seating nipple	1.10
	4-1/2" x 2-3/8" Mob B TAC	3.00
209 jts	2-3/8" EUE 8rd 4.7# N-80	6419.62
		6459.52
	Anchor setting and KB adjustment	17.75
	EOBPMJ	6477.27

Rod Detail:

	2" x 1-1/2" x 16' RHBC HVR 2 stage	
	equalizer valve 1-5/8" FN, 122' max stroke	
	#APL-517 American Pump Lovington	16
	3/4" x 1' lift sub	1
172	3/4" x 25' Trico D with FHT cplgs	4300
82	7/8" x 25' Trico D with SHT cplgs	2050
4	7/8" x 8 x 6 x 4 x 2' Trico D rod subs	20
	1-1/2" x 26' polish rod with inspray	19
		6406

□

Williams 34 #5
Sec 34, T19S, 37E

API #30-025-35850
Lea County, New Mexico

4/30/2002 0 oil, 0 MCF, 113 water

5/1/2002 14 oil, 130 water

5/2/2002 28 oil, 89 water

5/3/2002 30 oil, 89 water

5/4/2002 39 oil, 50 water

5/5/2002 33 oil, 56 water

5/6/200 27 oil, 56 water

5/7/2002 31 oil, 55 water

5/8/2002 30 oil, 56 water

5/9/2002 28 oil, 60 water

5/10/2002 27 oil, 57 water

5/11/2002 25 oil, 46 water

5/12/2002 25 oil, 49 water

5/13/2002 22 oil, 43 water

5/14/2002 28 oil, 41 water

5/15/2002 27 oil, 44 water

5/16/2002 19 oil, 29 water

5/17/2002 20 oil, 26 water

5/18/2002 19 oil, 27 water

5/19/2002 19 oil, 23 water

5/20/2002 20 oil, 28 water

5/21/2002 14 oil, 8 water

5/22/2002 16 oil, 18 water

5/23/2002 17 oil, 15 water

5/24/2002 16 oil, 17 water

5/25/2002 16 oil, 18 water

5/26/2002 17 oil, 14 water

5/27/2002 16 oil, 18 water

5/28/2002 17 oil, 17 water

5/29/2002 17 oil, 19 water

5/30/2002 19 oil, 12 water

1000

Matador Operating Company

Williams 34 #5

Sec 34, T19S, 37E

API #30-025-35850

Lea County, New Mexico

5/31/2002 14 oil, 15 water

6/1/2002 16 oil, 17 water

6/2/2002 14 oil, 23 water

6/3/2002 11 oil, 13 water

6/4/2002 8 oil, 20 water, cir tank

6/5/2002 13 oil, 15 water

6/6/2002 12 oil, 18 water

6/7/2002 14 oil, 29 water

6/8/2002 17 oil, 23 water

6/9/2002 17 oil, 23 water

6/10/2002 17 oil, 20 water

6/11/2002 14 oil, 0 MCF, 15 water

6/12/2002 17 oil, 0 MCF, 23 water

6/13/2002 17 oil, 0 MCF, 20 water

6/14/2002 13 oil, 21 water

6/15/2002 17 oil, 17 water

6/16/2002 17 oil, 20 water

6/17/2002 16 oil, 16 water

6/18/2002 17 oil, 17 water

Water analysis: sample date 5/20/02

ph - 6.200

specific gravity - 1.063

Dissolved Gasses	MG/L
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Hydrogen Sulfide	not present
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Carbon Dioxide	not determined
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Dissolved Oxygen	not determined
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Cations	MG/L
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Calcium	4,008
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Magnesium	2,127
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Sodium	21,949
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Barium	not determined
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Anions	MG/L
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Hydroxyl	0
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Carbonate	0
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Bicarbonate	464
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Sulfate	2,550
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Chloride	44,990
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Total Dissolved Solids	76,088
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Total Iron	135
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Total hardness as CaCO3	18,767
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Resistivity at 75 F (calculated) - 0.127/cm

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API #30-025-35850

Lea County, New Mexico

6/19/2002 13 oil, 49 MCF, 15 water
6/20/2002 14 oil, 105 MCF, 20 water
6/21/2002 14 oil, 102 MCF, 20 water
6/22/2002 14 oil, 101 MCF, 12 water
6/23/2002 14 oil, 100 MCF, 15 water
6/24/2002 13 oil, 100 MCF, 14 water
6/25/2002 14 oil, 100 MCF, 15 water
6/26/2002 14 oil, 101 MCF, 12 water, FINAL REPORT

OPERATOR: MATADOR PETROLEUM
WELL/LEASE: WILLIAMS 34 #5
COUNTY: LEA

076-0016

STATE OF NEW MEXICO
DEVIATION REPORT

410	1/4
888	1/4
1,375	1/2
1,806	1 1/2
2,055	1 1/4
2,270	3
2,393	3 1/4
2,516	2 3/4
2,643	2 1/2
2,925	1 1/2
3,262	1 3/4
3,665	1 3/4
4,759	2 1/4
5,319	2
5,876	2 1/4
6,465	2 1/4
7,100	3/4

By: Steve Moore

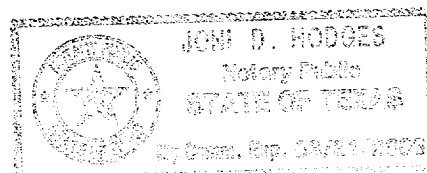
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 27th day of March, 2002, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

Joni D. Hodges
Notary Public for Midland County, Texas

My Commission Expires: 3/31/2003



K2