

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

Form C-103  
Revised June 10, 2003

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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. 30-025-35711
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 Tom Brown, Inc.		6. State Oil & Gas Lease No.
3. Address of Operator P O Box 2608, Midland, TX 79702		7. Lease Name or Unit Agreement Name Williams "34"
4. Well Location Unit Letter <u>O</u> : <u>330</u> feet from the <u>South</u> line and <u>2170</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 Number 003
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3579 KB		9. OGRID Number 023230
		10. Pool name or Wildcat Skaggs; Glorieta, Northwest

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

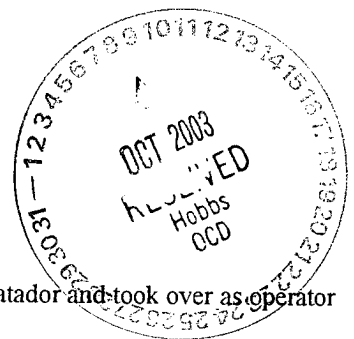
- PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

- REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: Plug Back ☒

13. 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 recompletion.

See Attached



NOTE: All work was preformed by Matador Operating Company and Tom Brown, Inc. acquired Matador and took over as operator effective 7/1/03

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Diane Kuykendall TITLE Operations Asst/Tech DATE NOV 24 2003

Type or print name Diane Kuykendall E-mail address: dkuykendall@tombrown.com Telephone No. 432-688-9773  
(This space for State use)

APPROVED BY PAUL F. KAUTZ ORIGINAL SIGNED BY PAUL F. KAUTZ TITLE PETROLEUM ENGINEER DATE NOV 24 2003  
Conditions of approval, if any: PETROLEUM ENGINEER

2A NW Skaggs Drinkard

# TOM BROWN, INC.

**WILLIAMS 34 #3**  
**Sec. 34, T19S, R37E**

**API #30-025-35711**  
**Lea County, NM**

**Date :** 6/2/2003

**Activity:** Set CIBP

**Remarks :** RUPU. POOH with rods and pump. Nipple down wellhead and install BOP. RIH with tubing to top of RBP at 5715' KB. RU pump truck and reverse circulated hole with 110 bbls fresh water. Engaged RBP. Released RBP and POOH with tubing and tools. Laid down tools. RU Apollo Perforators and RIH with Halliburton 10K EZ Drill CIBP. Set CIBP at 5450' as per CCL log. Left well open to tank and SDON.

**Date :** 6/3/2003

**Activity:** Cement Squeeze

**Remarks :** RIH with BJ Hughes 4-1/2" cement retainer, setting tool and tubing. Tagged CIBP and correlated tubing tally to CCL log. Pulled cement retainer up to 5377' as per wireline CCL log. RU Halliburton Services and pumped through retainer with 80 bbls fresh water to displace hole with clean fluids. Set retainer. Tested tubing, pump and lines to 3500 psi. Test was good. Established injection rate into perms at 5404' to 5412' at 2 bpm 200 psi and increasing to 295 psi with 17 bbls of water pumped. Had communication out annulus with 15 bbls of fresh water pumped. Closed annulus valve and continued to pump down tubing. Pressure increased to 900 psi on tubing and 550 psi on annulus with 50 bbls fresh water pumped. Mixed 75 sxs of Class "C" cement containing fluid loss additives at 14.8#/gal and 1.32 cf/sx. Total slurry volume was 17.6 bbls. Tubing pressure decreased from 700 psi to 430 psi at the end of pumping cement and annulus pressure increased from 550 psi to 800 psi at the end of pumping cement. Switched to displacement. Tubing pressure increased from 0 psi to 1150 psi and annulus pressure increased from 800 psi to 1000 psi at the end of pumping. Displaced cement to within 1 bbl of retainer and stung out of retainer. Pressures equalized at 900 psi. Last pressure seen on tubing before stinging out of retainer was 990 psi. Bled off pressure from annulus and tubing and POOH with tubing and retainer setting tool. Tubing did not pull wet. SWI and SDON. Backhoe dug workover pit for circulating.

**Date :** 6/4/2003

**Activity:** Drill Cement

**Remarks :** RIH with 3-7/8" bit, 4-1/2" casing scrapper, 4 3-1/8" DC on 161 joints 2-3/8" EUE 8rd tubing. Tagged cement at 5219'. RU reverse unit. Broke circ with 10 bbls FW. Drilled cement to CIBP at 5363' (new tallie). Drilled 144' cement in 2 hours. Circ clean, pressure tested casing to 1000 psi with no leak off. RD reverse unit. POOH with tubing and LD DC. Closed well in. Prepare to perf AM.

**Date :** 6/5/2003

**Activity:** Perforate

**Remarks :** MIRU JSI WL. Perforate Glorietta with 3-1/8" Exp-Prospector, 4 spf, .43 EH, 23 gram, 31.8" penetration as follows: 5242'-54', 5260'-65', 5270'-75', 5278-82', 5293'-5313' = 184 holes in 3 runs with FL dropping 40'. RDMO JSI. PU 2-3/8" x 4-1/2" HD compression 10K packer, SN. RIH on 164 joints 2-3/8" J-55 4.7# EUE 8rd tubing. Set packer in 15K compression with EOT at 5192' = 50' above. TP at 5242'. SN at 5187'. RU swab. IFL at 250' FS. Dried well up in 4 runs. Recovered 20 blw. On run #5 did not tag or recover any fluid. Waited 1 hour. Tagged fluid at 5000' FS = 242' above SN. Recovered 150' water with trace of oil and gas blow. Waited 1 hour. Tagged fluid at 5100' FS = 142' above SN. Recovered 60' water with trace of oil and blow of gas. RD swab. Left tubing on 1/4" choke. SD. Prep to swab and acidize AM.

**Date :** 6/6/2003

**Activity:** Acidize

**Remarks :** Well open to tank. Started swabbing. IFL 4100'. Pulled from SN, recovered 3 bbls with 5% oil cut. Second run FL at SN. RD swab. RU Howco to acidize 5242-54, 5260-65, 5270-75, 5278-82, 5293-5313, (184holes). Pumped 4000 gals 15 % NEFE DI with surfactant. Dropped 230 bbls in 4 stages of 57. Flushed with 23 bbls FW. ISIP 1501, 5 min 1297, 10 min 1115, 15 min 943. Average rate 5.5 bpm, treating pressure 2045 average, 2468 max. Some ball action was observed. RD HOWCO. Bled psi. Started swabbing. IFL surface, made 10 runs, recovered 49 bbls with 3% oil cut. SD for 1 hour with no fluid entry. SDOWE. 49 BTLR of 114 BTL. 65 BTLTR.

## TOM BROWN, INC.

**WILLIAMS 34 #3**  
**Sec. 34, T19S, R37E**

**API #30-025-35711**  
**Lea County, NM**

**Date :** 6/7/2003

**Activity:** Swabbing

**Remarks :** Well open to tank. Started swabbing. IFL 2600 FFS with a skim of oil. Swabbed 18 bbls black water with tubing empty. SD one hour, made run with 700' of fluid entry and recovered 2.5 bbls water. SD 30 mins, fluid entry of 400'. SD 30 mins with 400' of entry. Recovered 22 bbls with trace oil cut on the first run. SDOWE. 71 BTLR of 114 BTL. 43 BTLLTR.

**Date :** 6/8/2003

**Activity:** SDFWE

**Date :** 6/9/2003

**Activity:** Swabbing

**Remarks :** Well was left open to tank over the weekend. Opened up well to swab and had no gas vapor on tubing. Swabbed well from 2200' to Seat Nipple with 12 swab runs in 7 hours. Recovered 44 bbls total fluid. EFL was 4300'. Recovered 5.0 bbls of 10% oil on the 1st run. The last 10 runs were pulled from the seating nipple. Average oil cut was 10%. Had very small amount of gas with swab runs. Released packer and POOH with tubing and packer. Left well open to flowline and SDON.

**Date :** 6/10/2003

**Activity:** Acidize

**Remarks :** Well was left open to tank over night. Had no pressure on well this AM. RIH with 4 1/2" RBP and retrieving tool, 4 1/2" mechanical CCL, 2 3/8" x 4 1/2" treating packer and tubing. Tagged bottom at 5367' KB (Difference is between WL and tubing measurement). Pulled up hole and located casing collar at 5298'. Set RBP at 5320' as per CCL log and packer at 5288' as per CCL log. Removed 3000 lb. BOP and installed 5000 lb. Hydraulic BOP. RU pump truck to annulus. Loaded annulus with 35 bbls. fresh water. RU acid pump to tubing and pumped into perfs. at 5293' - 5313' at 1.2 bpm, 1200 psi. Opened bypass on packer and spotted acid to packer. With acid on packer increased rate to 4 bpm, 2300 psi. With 4 bbls. of acid into formation, dropped one 500 lb. rock salt block mixed in 8 bbls. of 10 lb. Brine water. With 24 bbls. of acid into formation pressure had decreased to 4 bpm, 1900 psi. When block was on formation pressure increased to 4 bpm, 3200 psi, and broke back to 4 bpm, 2200 psi. When 4 bbls. of block was on formation pressure increased to 4 bpm 5000 psi with annulus pressure at 1600 psi. Formation blocked off. After shut down pressure bled off to 400 psi in 3 mins. Continued to pressure and bleed pressure until formation block broke back and was able to finish pumping acid away into formation at 3.5 bpm at 2300 psi with annulus pressure at 1400 psi. Flushed all acid to bottom perf with 24 bbls. ISIP - 1600 psi, annulus - 1300 psi. 5 mins. - 900 psi, annulus - 900 psi. 10 mins. 500 psi, annulus - 500 psi. Released packer and RIH and engaged RBP. Released off of RBP and reverse circulated well with 60 bbls. fresh water. Pulled packer and RBP above all perfs. SWI and SDON.

# TOM BROWN, INC.

**WILLIAMS 34 #3**  
**Sec. 34, T19S, R37E**

**API #30-025-35711**  
**Lea County, NM**

**Date :** 6/11/2003

**Activity:** Acidize

**Remarks :** Well was shut in overnight. Had no pressure on well this AM. RIH with tubing and tools and set RBP at 5287' and set packer at 5257' as per CCL log to isolate perms 5260' - 5265'; 5270' - 5275'; and 5278' - 5282'. Acidized perms with 2200 gals 15% Hcl containing NEFE, DI, and LST additives in 3 - 17 bbl stages of acid with two 200 lb rock salt blocks between stages. Treating pressure 2200 psi at 3.9 bpm with acid on formation. Had 400 psi increase when first block was on formation and pressure broke back to 2300 psi when acid was back on formation. With second block was on formation pressure increased from 2400 psi at 3.9 bpm to 2500 psi. Pressure broke back to 2400 psi at 3.9 bpm when 3rd stage of acid was on formation. Flushed to bottom perf with 25 bbls fresh water. Final treating pressure was 2600 psi at 4 bpm. Max pressure on annulus during treatment was 1500 psi. ISIP was 1500 psi.; annulus was 1400 psi. 5 mins was 1250 psi and annulus was 1200 psi. 10 mins was 1100 psi and annulus was 1020 psi. Bled off pressures. Released packer and RIH with tubing and engage RBP. Moved RBP up and reset it at 5257' and reset packer at 5174' to isolate perms 5242' - 5254' as per CCL log. Attempted to pressure test annulus to 500 psi with negative results. Released packer and POOH with tubing and tools. Found bypass seal gone on packer. RIH with RBP retrieving tool, exchange packer, seat nipple and tubing. Set packer at 5174'. Pressured annulus to 500 psi. Acidized formation with 1596 gals 15% Hcl containing NEFE, DI and LST additives in 2 stages with 1 200 lb rock salt block in between. Started pumping into formation at 3.7 bpm, 1900 psi. With acid on formation pressure was 2100 psi at 3.7 bpm. With block on formation, pressure increased to 2400 psi and then broke back to 2300 psi. With 2nd stage acid on formation pressure stayed steady at 2300 psi at 3.7 bpm. Flushed acid to bottom perf with 23 bbls. Final treating pressure was 2400 psi at 3.9 bpm. Annulus pressure remained steady at 500 psi throughout treatment. ISIP was 1400 psi; 5 mins was 1050; 15 mins was 800 psi. Bled all pressures. Released packer and RIH with tubing and engaged RBP. Released RBP and RIH below all perms. Set RBP and released off on and off tool. Reverse circulated well with 60 bbls fresh water. Pulled tubing up and reset packer at 5174'. Attempted to pressure test annulus to 500 psi with negative results. Released packer and POOH with tubing. Found no visible outside damage to packer that would cause it to leak. RIH with exchange packer and tubing set packer at 5174'. Loaded and tested annulus to 500 psi. Test was good. SWI and SDON. TLTR - 270 bbls.

**Date :** 6/12/2003

**Activity:** Swabbing

**Remarks :** Well was shut in overnight. Opened up well to tank and tubing was on slight vacuum. Swabbed well from 1800' to 5174' (Seat Nipple) with 29 swab runs in 9 hours and recovered 171 bbls total fluid. 1st run was 100% water. Had a trace of oil on the 9th run. Average oil cut increased to 3% and last 4 runs showed an oil cut of 5%. EFL was 4100'. Last 23 runs were pulled from the seating nipple. Had a small amount of gas with the last 10 swab runs. LWOTT on an 8/64" choke. 171 BTLR of 270 BTL. 99 BTLLTR.

**Date :** 6/13/2003

**Activity:** Swabbing

**Remarks :** Well was shut in overnight. Opened up well to tank and tubing had a slight gas blow. Swabbed well from 2600' to 5174' (Seat Nipple) with 26 swab runs in 7-1/2 hours and recovered 139 bbls total fluid which color cut out at 6.5 BO and 132.5 BW. 1st run was 40% water. Oil cut for the day averaged from 3% to 5%. EFL was 4300'. Last 22 runs were pulled from the seating nipple. Had a good gas blow with swab runs. LWOTT on an 8/64" choke and SDFW. 270 BTL of 270 BTL. 40 bbls over load.

**Date :** 6/14/2003

**Activity:** SDFWE

**Date :** 6/15/2003

**Activity:** SDFWE

# TOM BROWN, INC.

**WILLIAMS 34 #3**  
**Sec. 34, T19S, R37E**

**API #30-025-35711**  
**Lea County, NM**

**Date :** 6/16/2003

**Activity:** Run Production Equipment

**Remarks :** Well was left open to test tank over the weekend. Opened well to tank and had no pressure or gas on tubing. Made 1 swab run and tagged fluid at 2400'. Pulled swab from 4100'. Recovered 6 bbls of 90% oil. Released packer and POOH with tubing and packer. Laid down packer. RIH with RBP retrieving tool and tubing. Engaged RBP. Released RBP and POOH with tubing and RBP. Laid down RBP. RIH with 2-3/8" x 2-7/8" Slotted, Bullplugged Mud Anchor, 2-3/8" Seating Nipple, 10 joints 2-3/8" J-55 8rd eue tubing, 2-3/8" x 4-1/2" TAC, 158 joints 2-3/8" J-55 8rd eue tubing. Removed BOP and set TAC in 13 points tension or 20" of stretch. Nipped up wellhead. RIH with 2" x 1-1/2" x RXBC with HVR, 7/8" Grade D Rod, 26K Shear Tool, 60 7/8" Grade D and KD rods, 99 1" Fiberglass rods, 1-3/4" Polished rod. Spaced rods 50" off bottom and hung well on pumping unit bridle. Well pumped up in 30 mins. Pump action and pressure test was good. Left pumping unit running on hand. SDON.

**Tubing Detail:**

158 jts	2-3/8" J-55 8rd eue	4986.08
	2-3/8" x 4 1/2" TAC	3.05
10 jts	2-3/8" J-55 8rd eue	316.71
	2-3/8" Seating Nipple	1.10
	2-3/8" x 2 7/8" Slotted MA	31.83
	Stretch for TAC	1.67
	KB Adjustment	15.00
	EOT	5355.44

**Rod Detail:**

	1 3/4" Polished Rod	26.00
99	1" Fibercom Rods	3712.50
31	7/8" Norris KD	775.00
29	7/8" Trico D	725.00
	26K Shear Tool	1.00
	7/8" Trico D	25.00
	2" x 1 1/2" RXBC w/HVR	30.00
	w/1" x 20' GA	
	Pump No. MD7	
		5294.50

**Date :** 6/17/2003

**Activity:** Producing

**Remarks :** 0 oil, 1 MCF, 85 water

**Date :** 6/18/2003

**Activity:** Producing

**Remarks :** 51 oil, 1 MCF, 200 water, oil came from swabbing

**Date :** 6/19/2003

**Activity:** Producing

**Remarks :** 72 oil, 6 MCF, 195 water

**Date :** 6/20/2003

**Activity:** Producing

**Remarks :** 87 oil, 10 MCF, 202 water

**Date :** 6/21/2003

**Activity:** Producing

**Remarks :** 72 oil, 12 MCF, 157 water

**Date :** 6/22/2003

**Activity:** Producing

## **TOM BROWN, INC.**

**WILLIAMS 34 #3**  
**Sec. 34, T19S, R37E**

**API #30-025-35711**  
**Lea County, NM**

**Remarks :** 92 oil, 17 MCF, 171 water

**Date :** 6/23/2003

**Activity:** Producing

**Remarks :** 87 oil, 21 MCF, 158 water

**Date :** 6/24/2003

**Activity:** Producing

**Remarks :** 92 oil, 21 MCF, 177 water