

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

**OIL CONSERVATION DIVISION**  
2040 Pacheco St.  
Santa Fe, NM 87505

WELL API NO.	30-025-29532
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	V-927

<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.)	
1. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Lease Name or Unit Agreement Name  TIPPERARY 4 STATE
2. Name of Operator TIPPERARY OIL & GAS CORPORATION	8. Well No. 2
3. Address of Operator 633 17th STREET, SUITE 1550, DENVER, CO 80202	9. Pool name or Wildcat SHIPP STRAWN
4. Well Location Unit Letter <u>F</u> : <u>1980</u> Feet From The <u>NORTH</u> Line and <u>2130</u> Feet From The <u>WEST</u> Line Section <u>4</u> Township <u>17S</u> Range <u>37E</u> NMPM <u>LEA</u> County <u></u>	
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
<b>NOTICE OF INTENTION TO:</b>	<b>SUBSEQUENT REPORT OF:</b>
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <input type="checkbox"/>

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.

SEE ATTACHED REPORT

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

SIGNATURE \_\_\_\_\_ TITLE ENGINEERING TECH DATE 2/17/00  
TYPE OR PRINT NAME KENT KELLER TELEPHONE NO. 303-293-9379

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

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TIPPERARY OIL & GAS CORPORATION  
Tipperary 4 State #2 San Andres Re-completion  
AFE 0699-R001  
SE-NW Section 4-17S-37E  
Lea County, New Mexico  
Page 7

8/31/99 – Pumped 0 BO + 116 BW(1499 Bbl. over load) + 0 MCFG in 24 Hr..  
(Note: Waiting on results from most recent water sample to compare footprints with  
produced water from offset San Andres wells.)

9/1/99 – Pumped 0 BO + 114 BW(1613 Bbl. over load) + 0 MCFG in 24 Hr..  
Water sample taken 8/30/99 had chlorides = 9,998 ppm. Shut well in. Will run  
packer and pump test San Andres perfs 5106-28' OA below packer next week.

9/2/99 – SHUT-IN

9/3/99 - SHUT-IN

9/4/99 – SHUT-IN

9/5/99 – SHUT-IN

9/6/99 – SHUT-IN

9/7/99 – MIRUSU, TOO H w/rods and pump, release tbg. anchor and TOO H w/Tbg.,  
FL was 150' from surface, PU 5½" model R Pkr. and TIH on Tbg., set @ 5040',  
TIH w/rods and pump, spaced out and PWBOP, RDMOSU.

9/8/99 – Pumped 0 BO + 47 BW + 0 MCFG in 14 Hr..

9/9/99 – Pumped 0 BO + 70 BW + Slight Show Gas in 24 Hr..(water has very  
strong sulfur odor and is black in color.)

9/10/99 – Pumped 0 BO + 86 BW + Slight Show Gas in 24 Hr..

9/11/99 – Pumped 0 BO + 83 BW + Slight Show Gas in 24 Hr.. Chlorides tested  
12,000 ppm.

9/12/99 - Pumped 0 BO + 87 BW + Slight Show Gas in 24 Hr..

9/13/99 – Pumped 0 BO + 83 BW(2069 Bbl. over load) + S.S.G. in 24 Hr.. Will  
get 1 more water sample for full analysis before P & A.

9/14/99 – Pumped 0 BO + 80 BW + S.S.G. in 24 Hr.. Will get water Sample  
today.

9/15/99 – Pumped 0 BO + 83 BW + S.S.G. in 24 Hr.. Chlorides 11,000 ppm,  
water has very strong sulfur odor. Well Shut-in.

TIPPERARY OIL & GAS CORPORATION  
Tipperary 4 State #2 San Andres Re-completion  
AFE 0699-R001  
SE-NW Section 4-17S-37E  
Lea County, New Mexico  
Page 6

**8/17/99 continued**

Bbls. per hr.. SDFN. Activity at report time: RU to swab and will get water sample.

DC: \$7,867

TCTD: \$80,595

**8/18/99** – SITP 40 psi. RIH w/swab, IFL 1300' FS. Made 4 runs, rec. 12 BF (no oil shows). FFL 1500'. Released pkr and TOH. RIH w/31' BPMA, 4' perf. sub, SN, 4 jts 2 3/8" tbg, TAC, 165 jts 2 3/8" N-80 tbg. EOT 5203', SN 5198'. TAC 5073'. ND BOPE. Set TAC w/16000#. RIH w/2"x1 1/4"x23' rod pump, 40 – 3/4" Norris 78, 164 – 7/8" Norris 78 rods. Spaced out. Checked pump. RDMO. Started pumping at 5:30 p.m. at 100" SL and 5 SPM. Cleaned location. Note: NM Packers will reimburse \$7682 for cement retainer failure on 8/5/99. TCTD reflects this credit. Water sample had 27,000 ppm chlorides.

DC: \$3,646

TCTD: \$76,559

**8/19/99** – Pumped 0 BO + 75 BW + 0 MCFG.

**8/20/99** – Pumped 0 BO + 75 BW + 0 MCFG in 20 Hr.. Chlorides 24,000 ppm.

**8/21/99** – Pumped 0 BO + 93 BW + 0 MCFG in 24 Hr..

**8/22/99** – Pumped 0 BO + 115 BW + 0 MCFG in 24 Hr..

**8/23/99** - Pumped 0 BO + 115 BW + 0 MCFG in 24 Hr..(Note: have recovered 607 Bbl. over load to date.)

**8/24/99** – Pumped 0 BO + 91 BW(698 Bbl. over load) + 0 MCFG in 24 Hr.. Chlorides = 17,500 ppm.

**8/25/99** – Pumped 0 BO + 121 BW(819 Bbl. over load) + 0 MCFG in 24 Hr. (Collected water sample for detailed analysis.)

**8/26/99** – Pumped 0 BO + 119 BW(938 Bbl. over load) + 0 MCFG in 24 Hr.. Note: have received water analysis taken on 8/18/99 from lab and also from operator of offset San Andres wells. Currently comparing footprints of water analysis.

**8/27/99** – Pumped 0 BO + 106 BW(1044 Bbl. over load) + 0 MCFG in 24 Hr..

**8/28/99** – Pumped 0 BO + 112 BW(1156 Bbl. over load) + 0 MCFG in 24 Hr..

**8/29/99** – Pumped 0 BO + 107 BW(1263 Bbl. over load) + 0 MCFG in 24 Hr..

**8/30/99** – Pumped 0 BO + 120 BW(1383 Bbl. over load) + 0 MCFG in 24 Hr..

TIPPERARY OIL & GAS CORPORATION  
Tipperary 4 State #2 San Andres Re-completion  
AFE 0699-R001  
SE-NW Section 4-17S-37E  
Lea County, New Mexico  
Page 5

8/12/99 – PU 4 3/4" bit and DC's and TIH, tag TOC @ 4729'. Drill out cement and retainer to 4870' and TOO H w/6 stands. PU model R Pkr. and TIH to 275'. Pressure test squeeze holes @ 4840' to 500#, OK. Drilled to 4885' and fell out of cement, tag TOC @ 5110', have 47' of cement on top of retainer @ 5157'. Drilled cement to top of retainer @ 5157'. Circulated hole clean and SDFN. Activity at report time: Prep to finish drilling out and run CBL.

DC: \$2,825

TCTD: \$65,803

8/13/99 – TIH and tag CICR @ 5157'. Drilled on CICR for 3:40 min., TOO H w/Tbg. and DC's, changed out 4 3/4" bit, TIH and drill on CICR for another 1:50 min., drilled out cement and fell out of cement @ 5221'. TIH to 5288' and circulated hole. TOO H w/6 stands Tbg., TIH w/model R Pkr. and set @ 275', Pressure tested Tbg. to 600#, OK. TOO H w/Tbg. and lay down DC's, released fishing tool company. SDFN. Activity at report time: Prep to run CBL and perforate San Andres if CBL shows adequate bonding.

DC: \$2,663

TCTD: \$68,466

8/14/99 – Shut down for weekend

8/15/99 – Shut down for weekend

8/16/99 – RU wireline and run CBL from 5320' to TOC. Had good bond through zone of interest @ 5100-28'. RU to perforate. TIH w/ 3 1/8" centralized Csg. gun w/ 16 gram charges and 90° phasing. Correlated to FDC/CNL log dated 1-4-86 and perforated 5106'- 5116' and 5120'-28', total of 18 feet w/2 JSPF, RD perforators. PU new model R Pkr. w/unloader and TIH on Tbg., set Pkr. @ 5030' and RU to swab. Fluid level @ 200' first run, swab well down in 8 runs and recovered 19 Bbls. water, no trace of oil. Left well shut-in for one hr., had 200' of fluid entry. SDFN. Activity at report time: Prep to acidize San Andres perms, 5106-10' and 5120-28'.

DC: \$4,262

TCTD: \$72,728

8/17/99 – SITP 0 psi, SICP 0 psi. TIH w/swab, FL @ 2300' FS, had 10 Bbl. fluid entry in 15 hr.. Swab well down in 4 runs, no show of oil or gas. RU BJ services and pickled Tbg. w/12 Bbl. acid and 7 Bbl. KCL water, reversed out spent acid. Pumped 2 BBL. KCl water and broke down formation @ 3418# @ 1/2 BPM, open by-pass valve and pumped 5 Bbl. water and 13.5 Bbl. acid, closed by-pass valve. Acidize well w/ 1800 gal. 15% HCL, dropped 7 balls every 3 Bbls.. Pumped acid @ 4 BPM @ 3400#, good ball action throughout job, had 50 to 100# gain each time balls dropped, after 56 balls had 700# increase, balled out after 63 balls @ 4920#, shut down and surged off balls. Pumped flush @ 4 BPM @ 2350#, average pressure 2300# @ 4 BPM. ISIP 950#, 5 min. SIP 0#, total load to recover is 65 Bbls.. Shut well in for 1 hr.. TIH w/ swab, FL @ 1200', swab a total of 125 Bbls. in 7 hrs., 60 Bbls. over load, FL @ 1500', no show of oil or gas, fluid entry is 14

TIPPERARY OIL & GAS CORPORATION  
Tipperary 4 State #2 San Andres Re-completion  
AFE 0699-R001  
SE-NW Section 4-17S-37E  
Lea County, New Mexico  
Page 4

**8/9/99** – TIH w/CIBP and set @ 5603', pumped 23 Bbls. @ 2½ BPM and 0 psi, tested tool to 2000#, Tbg. on vacuum, stung out of and back into tool. Loaded backside w/45 Bbl FW and pumped 23 Bbls. @ 3½ BPM to get rate. Cemented Csg. from 5603'-11,188' w/250 sx 35-65 poz class H cement + 6% BWOC bentonite, 0.005 gps FP6L and 95.9 % FW. Pumped @ 3 BPM @ 100 psi, left 1 Bbl cement over plug. Circulated hole clean, TOO H w/Tbg., lost 3 out of every 4 Bbls. to split Csg. jt. while reverse circulating out cement. RU to perforate cement squeeze holes, Shot 4 squeeze holes @ 5220' and 4 holes @ 4840' w/3 1/8" Csg. gun, FL Standing @ 500', RD perforators. TIH w/A-32 tension Pkr. to 5283' and tested CIBP to 600#, OK, raised Pkr. to 5157' and pumped down Csg. w/90 Bbls., Csg. would not load, pumped down Tbg., well loaded, established circulation between squeeze perfs @ 2½ BPM @ 450 psi, circulated well for one Hr. and had some San Andres oil in returns. TOO H w/Tbg., SDFN. Activity at report time: Prep to Cement squeeze 5220'-4840'.

DC: \$8,540

TCTD: \$49,473

**8/10/99** - PU CICR, TIH and set @ 5167'. RU BJ Services and pump 21 Bbls. through CICR, tested to 2000#, ok, pumped a total of 77 Bbls. FW to load Csg. and Tbg.. BJ Services cemented through squeeze perfs @ 5220' w/200 sx. class C cement, 0.5% BWOC, FL-25, and 56% FW @ 2 BPM @ 80#. Initial pump pressure was 400# to pump down, when cement hit squeeze holes @ 4840' maximum pump pressure was 80#. Stopped to clean lines and took 10 Bbls to catch cement, let cement fall out of Tbg., TOO H w/Tbg., SDFN. Activity @ report time: Prep to pressure test Csg..

DC: \$5,545

TCTD: \$55,018

**8/11/99** – PU model A-32 tension Pkr, TIH and set at 275'. Pumped 50 Bbls to load 5½", 3 BPM @ 180#. Pumped 10 more Bbls. to load 8 5/8", 3 BPM @ 150#. TOO H w/Pkr.. PU 4¾" bit and scraper, TIH and tag TOC @ 4880', 40' below top squeeze holes, TOO H w/bit and scraper. PU CICR and run in hole, set @ 4740'. RU BJ services, tested lines to 3000#, ok, tested CICR to 2000#, OK, pumped loaded backside through retainer to establish rate, had 1.8 BPM @ 475# with water coming out of 8 5/8". Closed 8 5/8" Csg, pressured up to 1500# @ ¼ BPM, open 8 5/8" and pressure went to 0. Mixed 400 sx class C cement w/2% CaCl in mix water w/ 60 BBL slurry. Left 8 5/8" open and pumped 40 Bbl. cement up 5½" @ 5½ BPM and 400#, closed 8 5/8" and pumped 35 Bbl. cement down outside of 5½" @ 1100#. Washed down lines and displaced 6.5 Bbl. down tubing @ 2000#. Shut-in for 10 min., pumped up to 2000#, well holding 1500#, squeezed well off with 348 Bbls. stung out of retainer, pulled up 15' and circulated well down Csg. and out of Tbg. to pit. TOO H w/Tbg.. SDFN. Activity at report time: Prep to drill out cement.

DC: \$7960

TCTD: \$62,978

TIPPERARY OIL & GAS CORPORATION  
Tipperary 4 State #2 San Andres Re-completion  
AFE 0699-R001  
SE-NW Section 4-17S-37E  
Lea County, New Mexico  
Page 3

8/4/99 – PU 5 ½" overshot and 21 jts. drill pipe and tagged fish @ 644'. Caught fish and pulled 2 pts. Over string weight, torque drill collars 1 round to the left, overshot came loose. Tried to get back on fish, could not get over fish. TOOH w/drill pipe and lay down, recovered split Csg. collar. Thread on bottom looked good. TIH w/ new 5 ½" collar on Csg. and screwed on to Csg., torque Csg. to 2800#. Pulled 15000# over string weight and set slips on Csg.. Cut off Csg., nipple up well head and BOP. Note: found split Csg. collar on 7<sup>th</sup> jt. (280').. SDFN. Activity at report time: TIH w/RBP and Pkr. to pressure test Csg.. If Csg. tests good, will prep to plug back and test San Andres.  
DC: \$5,627

TCTD: \$30,851

8/5/99 – PU Pkr. and TIH to 1975'. Washed sand off RBP and tested RBP to 650#, OK. Pumped down Csg., unable to load. Started testing Csg. coming out of the hole. Found split jt. between 120-165', able to pump into split @ 1 BPM and 50 psi. Csg. good from 120' to surface. TIH to 5640' and set RBP and Pkr. @ 5600', tested RBP to 650 psi, OK, pulled Pkr. to 4950' and tested Csg. to 650 psi, OK. TOOH w/RBP and Pkr.. PU CICR and TIH to 5631', set CICR. Rigged up BJ service and pumped 23 BFW to test. BJ stung out of CICR and then stung back in CICR. BJ cemented well w/250 sx. 35-65 POZ class C cement + 6% bentonite + .005 GPS FP6L, pumped total of 75 Bbls., well circulated out top of Csg.. Reverse a total of 250 sx. back out of Tbg. to pit. TOOH w/Tbg., checked retrieve tool, tool was OK, tool was not stung into retainer. SDFN. Activity at report time: Prep to drill out CICR and attempt plug back again.  
DC: \$6,773

TCTD: \$37,624

8/6/99 – PU 4 ¾" bit and 6 3 ½' drill collars, TIH and tag TOC @ 5624'(7' of cement on top of CICR), dropped standing valve, pressure test Tbg. to 1200#, OK, drilled out cement and CICR in 2 hrs., Csg. went on vacuum as soon as CICR was drilled out. Circulated Csg. clean and TOOH, LDDC and bit, PU bit and scraper and TIH to 5644', TOOH. SDFN. Activity at report time: Prep to run CICR and plug-back from 5588'-11,188'.  
DC: \$3,309

TCTD: \$40,933

8/7/99 – Shut down for weekend

8/8/99 – Shut down for weekend

TIPPERARY OIL & GAS CORPORATION  
Tipperary 4 State #2 San Andres Re-completion  
AFE 0699-R001  
SE-NW Section 4-17S-37E  
Lea County, New Mexico  
Page 2

7/30/99 - Re-set RBP @ 5560' and set Pkr. @ 5556', well won't load. Re-set RBP @ 5046' and set Pkr. @ 5014', pressure Tbg. to 1000 psi, pressure to 0 psi in 3 min.. Re-set RBP @ 4982' and set Pkr. @ 4950', pressure to 620 psi and held OK. Pressure test Csg. through Tbg. to 665', Csg. good from 4982' to 665'. Pulled Pkr through tight spot @ 634', Pkr hanging up hard, lowered Pkr. back through tight spot and pulled back through tight spot @ 634', Pkr still hanging-up. Re-set Pkr @ 602', unable to load well, tested down Csg. to 387', still unable to load Csg. (were able to load Csg. but would not take pressure) Pulled Tbg. and Pkr. out of hole. Set Pkr. @ 6', pressure to 800 psi and lost pressure in 30 sec.. TOOH w/Pkr., remove BOP, unflange wellhead and check packing, wellhead OK, NU well-head and BOP. Unable to test Tbg. from 665' to surface, possible Csg. part @ 634', will run Csg. inspection log next A.M.. SDFN. Activity at report time: RU to run Csg. inspection log.  
DC: \$2,640 TCTD: \$16,721

7/31/99 - Shut down for weekend.

8/1/99 - Shut down for weekend.

8/2/99 - Waited for lightning storm to pass, TIH w/retrieving tool on Tbg. to 4982' and released RBP, TOOH w/RBP, Had to work retrieving tool through tight spot @ 637'. Rigged up WSI wireline to run 40 arm caliper log from 5650' to surface, log showed good casing except Csg. part @ 644-637' (Csg. part is in collar) and one section from 1870-56' had small bulge in Csg. but no holes. Will try to pull Csg. to first collar, replace first collar and try to screw back in to Csg. @ part. Activity at report time: RU to pull Csg. and attempt re-connection.  
DC: \$4,139 TCTD: \$20,860

8/3/99 - PU RBP and Pkr. and TIH, set RBP/Pkr. @ 2000'. Nipple down BOP and well head flange. PU spear and TIH, catch top jt. on 5 1/2" Csg., TOOH w/38' of 5 1/2" Csg. and lay down stub jt.. PU 40' of 5 1/2" Csg., TIH, tag top of Csg. @ 637', screwed on to Csg., torque to 1100 psi, PU on Csg. and pulled out of collar. Ordered compressor and crew to LD Csg.. TOOH w/15 jts. (637') of Csg., pin had pulled out of collar, pin looked good, possible split collar looking up. Pulled Tbg. and Pkr. out of hole, SDFN. Activity at report time: RU to TIH w/drill pipe and overshot and will try to back off next jt. of Csg. and then attempt re-connection.  
DC: \$4,364 TCTD: \$25,224

TIPPERARY OIL & GAS CORPORATION  
Tipperary 4 State #2 San Andres Re-completion  
AFE 0699-R001  
SE-NW Section 4-17S-37E  
Lea County, New Mexico  
Page 1

7/23/99 – MIRUSU, ready to start casing leak repair and re-completion on Monday, July 26, 1999. Activity at report time 7/26/99: Unable to release pump, will strip rods out of hole w/tubing.

DC: \$400

TCTD: \$400

7/26/99 – Rigged up to pull rods, pump stuck, worked pump for 2 hrs., backed off rods, TOO H w/1125' rods, NUBOPE, picked up on tbg., tbg. parted 15 jts. from surface, (pin pulled out of collar), TIH w/overshot, caught fish, worked tubing for 6 hrs., unable to release tbg. anchor and had no free travel in tbg., unable to rotate tbg., pumped 140 BFW down casing, loaded csg. w/20 BFW, csg. went on vacuum, pumped down csg. @ 2 3/4 BPM @ 0 psi, worked tbg. anchor from 6 K# to 90 K#, would not release, unable to release overshot, SDFN.

Activity at report time: RU to pull tbg., tbg. parted @ approximately 7800', will attempt to pull balance of rods and then fish tbg.

DC: \$3,388

TCTD: \$3788

7/27/99 – Rigged up to pull tbg. Tried to release TA, would not release, pulled tbg. to 80 K#, tbg. parted, weight of 36 K# indicates tbg. part @ 7659' from surface, had drag on tbg. while pulling up. Rigged up to pull rods, TIH and screw on rods. @ 1125', pulled 30 K# and rods parted, TOH w/total of 183 7/8" and 41 3/4" rods, total of 5600' of rods recovered, rods were dragging all the way out of the hole, the last 3/4" rod was badly corkscrewed, left 12' of corkscrewed rod in the hole, ordered overshot/grapple, TIH w/1- 29/32" overshot to 5600', were unable to catch fish, TOO H, ordered cut-lip overshot out of Odessa, TX for next A.M.. SDFN. Activity at report time: TIH w/cut-lip overshot, will try to recover rods and then fish out tbg.. Have contacted New Mexico OCD for possible approval to plug-back above fish and test San Andres.

DC: \$2019

TCTD: \$5807

7/28/99 – TIH w/cut-lip overshot and tag top of rods @ 5680'. Worked 2 hrs trying to get over fish. POH w/tools. Tool was beat down on both sides of tool. POH w/tbg. Tally out. Recovered 180 jts (5640'). Got permission from OCD to plug back from 5640'. SDFN. Activity at report time: Preparing to run bit and scaper. Set tank and fill w/fresh water.

DC: \$2918

TCTD: \$8725

7/29/99 – TIH w/4 7/8" bit and scraper to 5640'. Did not hit anything. Test tubing to 5000 psi above slips. Tbg tested good. PU 5 1/2" pkr and TIH to 5625'. Pumped 160 BW below pkr at 3.5 BPM @ 0 psi. Pumped 140 BW down csg at 4 BPM @ 0 psi. POH. PU RBP w/pkr. Set RBP at 5625'. Set pkr @ 5620'. Pumped 40 BW to test plug. Did not hold pressure. SDFN. Activity at report time: Retesting RBP.

DC: \$5156

TCTD: \$13881