

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
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 May 08, 2003

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

WELL API NO. <b>30-045-25997</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: <b>BRUCE SULLIVAN</b>
8. Well Number <b>2</b>
9. OGRID Number <b>167067</b>
10. Pool name or Wildcat <b>OTERO CHACRA</b>

**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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other
2. Name of Operator <b>XTO Energy Inc.</b>
3. Address of Operator <b>2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401</b>

4. Well Location Unit Letter <b>J</b> : <b>1700</b> feet from the <b>SOUTH</b> line and <b>1480</b> feet from the <b>EAST</b> line Section <b>23</b> Township <b>28N</b> Range <b>10W</b> NMPM County <b>SAN JUAN</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>5736' GR</b>

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>
OTHER: <b>REPAIR BRADENHEAD</b> <input checked="" type="checkbox"/>	

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>	

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.

XTO Energy Inc. proposes to repair the failed bradenhead per attached procedure.

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

SIGNATURE Holly C. Perkins TITLE REGULATORY COMPLIANCE TECH DATE 8/18/04

Type or print name HOLLY C. PERKINS Telephone No. 505-324-1090

(This space for State use)

APPROVED BY Charl... TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #2 DATE AUG 20 2004

Conditions of approval, if any:

*notify ocd of TOC & OR Hole depth before Peltor CRT*

**SULLIVAN, BRUCE R #2**  
**1,700' FSL & 1,480' FEL, Unit J, SEC. 23, T28N, R10W**  
**San Juan County, New Mexico**

**Repair Bradenhead Failure Procedure**

**Formation:** Chacra  
**Surface Csg:** 8-5/8", 24#, J-55 csg @ 294'. Circ trace cmt to surf.  
**Prod Csg:** 4-1/2", 10.5", J-55 csg @ 3,100'. Circ trace cmt to surf.  
**Tubing:** 90 jts 2-3/8" tbg, SN & NC. EOT @ 2,946'.  
**Perforations:** 2,808'-28' & 2,914'-32' w/4 JSPF (152 holes).  
**Current Status:** Plunger Lift. 0 BOPD, 0 BWPD, 39 MCFPD.

1. **Notify BLM and NMOCD of cementing operations, 24 hours prior to pumping cement. BLM 505-599-8900. NMOCD 505-334-6178.**
2. MIRU PU. MI 5 jts 2-3/8" tubing and 3 - 3-1/8" DC's.
3. Blow well down and kill with 2% KCl water down tubing/casing annulus.
4. ND WH. NU BOP.
5. TIH and tag PBTD at 3,050'. TOH and tally tubing. Report fill (if any) to Ray Martin.
6. TIH with 4-1/2" RBP to 2,700'. Set RBP at 2,700'. Spot 10' sand on top of RBP.
7. Pressure test casing and RBP to 500 psig. If casing fails the pressure, TIH with 2-3/8" tubing and 4-1/2" packer and determine the depth of the casing leak. Establish injection rate into the leak. Skip to step 10.
8. If the casing passes the pressure test, run GR/CCL/CBL log from 2,700' to surface with 500 psig on casing.
9. Perf 4 squeeze holes using 3-1/8" gun loaded with HSC-4000-311NT charges (0.36" hole, 26.36" pene) 20' above TOC as per NMOCD directions.
10. Establish circulation down casing with dye colored water and out bradenhead valve. Note barrels of water required for circulation.
11. MIRU cement trucks. Open bradenhead valve. If able to circulate out bradenhead valve, pump the required number of sacks of Type II cement with 2% CaCl<sub>2</sub> cement volume based upon barrels of water required for circulation (mixed at 15.6 ppg and 1.18 cf/sx). Shut bradenhead valve. Displace cement with fresh water to ±200' from squeeze holes. If unable to circulate water in step 9, pump 150 sx Type II cement with 2% CaCl<sub>2</sub> cement. Displace cement with fresh water to ±200' from squeeze holes or top of casing leak. **Note: Check with Ray Martin to verify the cement volume.**
12. WOC 1 hour. Open bradenhead valve to check for flow. Shut bradenhead valve.
13. WOC minimum of 12 hours.

14. TIH with 4-1/2" bit, 3 - 3-1/8" DC's and 2-3/8" tubing. DO cement with water.
15. Pressure test squeeze holes to 500 psig for 30 minutes.
16. If pressure test is not successful, re-squeeze squeeze holes or casing leak with the cement design specified by Ray Martin. WOC 12 hours. DO cement and re pressure test squeeze.
17. Upon successfully pressure test of squeeze holes. Pressure test the bradenhead to 200 psig for 15 minutes. TOH with tubing, DC's and bit.
18. TIH with RBP RTHD. Circulate sand off RBP.
19. Swab well dry. Release RBP and TOH.
20. If needed, CO fill tagged in step #5.
21. TIH with NC, SN and 90 jts 2-3/8" tubing. ND BOP. Land tubing at 2,946'.
22. NU WH. Broach tubing to SN.
23. Swab well in if required. Drop BHBS and plunger.
24. RDMO PU.
25. Report rates and pressures to Ray Martin.
26. Perform Bradenhead Test and submit to NMOCD.