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Hobbs, NM 88241-1980  
District II - (505) 748-1283  
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District III - (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV - (505) 827-7131

New Mexico  
Energy Minerals and Natural Resources Department  
Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

Form C-140  
Revised 06/99

SUBMIT ORIGINAL  
PLUS 2 COPIES  
TO APPROPRIATE  
DISTRICT OFFICE

APPLICATION FOR  
WELL WORKOVER PROJECT

I. Operator and Well

|                                                                                                          |               |                 |              |                       |                           |                            |                        |                            |  |
|----------------------------------------------------------------------------------------------------------|---------------|-----------------|--------------|-----------------------|---------------------------|----------------------------|------------------------|----------------------------|--|
| Operator name & address<br><br>XTO ENERGY INC.<br>2700 FARMINGTON AVE, SUITE K-1<br>FARMINGTON, NM 87401 |               |                 |              |                       |                           | OGRID Number<br><br>167067 |                        |                            |  |
| Contact Party<br>DARRIN STEED                                                                            |               |                 |              |                       |                           | Phone:<br>(505) 324-1090   |                        |                            |  |
| Well Name:<br>BOLACK C                                                                                   |               |                 |              |                       |                           | Well Number<br>12A         |                        | API Number<br>30-045-26552 |  |
| UL<br>J                                                                                                  | Section<br>29 | Township<br>27N | Range<br>08W | Feet From The<br>1830 | North/South Line<br>SOUTH | Feet From The<br>2350      | East/West Line<br>EAST | County<br>SAN JUAN         |  |

II. Workover

|                                      |                                                           |
|--------------------------------------|-----------------------------------------------------------|
| Date Workover Commenced:<br>10/31/01 | Previous Producing Pool(s) (Prior to Workover):<br>CHACRA |
| Date Workover Completed:<br>11/11/01 |                                                           |

III. Attach a description of the Workover Procedures performed to increase production.

IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.

V. AFFIDAVIT:

State of NEW MEXICO )  
 ) ss.  
County of SAN JUAN )  
DARRIN STEED, being first duly sworn, upon oath states:  
1. I am the Operator, or authorized representative of the Operator, of the above-referenced Well.  
2. I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.  
3. To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.

Signature Darrin Steed Title REGULATORY SUPERVISOR Date 11/8/02

SUBSCRIBED AND SWORN TO before me this 8th day of Nov., 2002.

My Commission expires: 9-1-2004 Notary Public Billy C. Perkins

FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

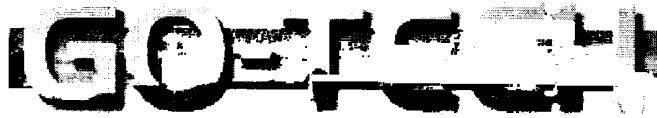
This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed on 11-11-2001.

|                                                           |                                  |                           |
|-----------------------------------------------------------|----------------------------------|---------------------------|
| Signature District Supervisor<br><u>Charlie T. Lerrin</u> | OCD District<br><u>AZTEC III</u> | Date<br><u>11-22-2002</u> |
|-----------------------------------------------------------|----------------------------------|---------------------------|

VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

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PTTC  
PRRC  
NM-TECH  
NMBGMR



[ABOUT](#) | [GENERAL](#) | [COUNTY](#) | [OPERATOR](#) | [POOL](#) | [LOCATION](#)

### View Data

In Internet Explorer, right click and select "Save Target As..."  
In Netscape, right click and select "Save Link As..."

Download: [HTTP](#)

**Well:** BOLACK C LS **No.:** 012A  
**Operator:** XTO ENERGY, INC.  
**API:** 3004526552 **Township:** 27.0N **Range:** 08W  
**Section:** 29 **Unit:** J  
**Land Type:** F **County:** San Juan  
**Accumulated:**  
**Oil:** 4343 (BBLS) **Gas:** 309958 (MCF)  
**Water:** 11342 (BBLS) **Days Produced:** 5008 (Days)

Year: 1999

Pool Name: BLANCO-MESAVERDE (PRORATED GAS)

| Month     | Oil(BBLS) | Gas(MCF) | Water(BBLS) | Days Produced | Accum. Oil(BBLS) | Accum. Gas(MCF) |
|-----------|-----------|----------|-------------|---------------|------------------|-----------------|
| January   | 15        | 2187     | 0           | 31            | 15               | 2187            |
| February  | 4         | 2204     | 100         | 28            | 19               | 4391            |
| March     | 0         | 2702     | 55          | 31            | 19               | 7093            |
| April     | 6         | 2545     | 0           | 30            | 25               | 9638            |
| May       | 14        | 2049     | 80          | 17            | 39               | 11687           |
| June      | 15        | 1768     | 0           | 30            | 54               | 13455           |
| July      | 35        | 1322     | 150         | 31            | 89               | 14777           |
| August    | 43        | 1793     | 0           | 31            | 132              | 16570           |
| September | 22        | 2578     | 50          | 30            | 154              | 19148           |
| October   | 29        | 2739     | 0           | 31            | 183              | 21887           |
| November  | 21        | 2586     | 0           | 30            | 204              | 24473           |
| December  | 16        | 4236     | 70          | 31            | 220              | 28709           |
| Total     | 220       | 28709    | 505         | 351           |                  |                 |

Year: 2000

Pool Name: BLANCO-MESAVERDE (PRORATED GAS)

| Month    | Oil(BBLS) | Gas(MCF) | Water(BBLS) | Days Produced | Accum. Oil(BBLS) | Accum. Gas(MCF) |
|----------|-----------|----------|-------------|---------------|------------------|-----------------|
| January  | 30        | 3130     | 0           | 31            | 250              | 31839           |
| February | 0         | 2271     | 0           | 29            | 250              | 34110           |
| March    | 5         | 2381     | 30          | 31            | 255              | 36491           |

|           |     |       |     |     |     |       |
|-----------|-----|-------|-----|-----|-----|-------|
| April     | 58  | 2311  | 0   | 30  | 313 | 38802 |
| May       | 0   | 2003  | 0   | 30  | 313 | 40805 |
| June      | 0   | 1627  | 0   | 25  | 313 | 42432 |
| July      | 0   | 1754  | 0   | 31  | 313 | 44186 |
| August    | 0   | 1726  | 0   | 31  | 313 | 45912 |
| September | 4   | 1538  | 60  | 30  | 317 | 47450 |
| October   | 0   | 462   | 0   | 31  | 317 | 47912 |
| November  | 0   | 303   | 0   | 2   | 317 | 48215 |
| December  | 49  | 2183  | 56  | 22  | 366 | 50398 |
| Total     | 146 | 21689 | 146 | 323 |     |       |

Year: 2001

Pool Name: BLANCO-MESAVERDE (PRORATED GAS)

| Month     | Oil(BBLS) | Gas(MCF) | Water(BBLS) | Days Produced | Accum. Oil(BBLS) | Accum. Gas(MCF) |
|-----------|-----------|----------|-------------|---------------|------------------|-----------------|
| January   | 58        | 2824     | 0           | 30            | 424              | 53222           |
| February  | 26        | 2148     | 0           | 26            | 450              | 55370           |
| March     | 40        | 2307     | 0           | 31            | 490              | 57677           |
| April     | 21        | 1962     | 80          | 30            | 511              | 59639           |
| May       | 0         | 1875     | 0           | 31            | 511              | 61514           |
| June      | 0         | 1505     | 0           | 27            | 511              | 63019           |
| July      | 0         | 1572     | 0           | 31            | 511              | 64591           |
| August    | 0         | 1469     | 0           | 31            | 511              | 66060           |
| September | 0         | 1357     | 0           | 30            | 511              | 67417           |
| October   | 0         | 1306     | 0           | 31            | 511              | 68723           |
| November  | 0         | 0        | 0           | 0             | 511              | 68723           |
| December  | 0         | 0        | 0           | 0             | 511              | 68723           |
| Total     | 145       | 18325    | 80          | 298           |                  |                 |

Pool Name: OTERO CHACRA (GAS)

| Month     | Oil(BBLS) | Gas(MCF) | Water(BBLS) | Days Produced | Accum. Oil(BBLS) | Accum. Gas(MCF) |
|-----------|-----------|----------|-------------|---------------|------------------|-----------------|
| January   | 0         | 0        | 0           | 0             | 511              | 68723           |
| February  | 0         | 0        | 0           | 0             | 511              | 68723           |
| March     | 0         | 0        | 0           | 0             | 511              | 68723           |
| April     | 0         | 0        | 0           | 0             | 511              | 68723           |
| May       | 0         | 0        | 0           | 0             | 511              | 68723           |
| June      | 0         | 0        | 0           | 0             | 511              | 68723           |
| July      | 0         | 0        | 0           | 0             | 511              | 68723           |
| August    | 0         | 0        | 0           | 0             | 511              | 68723           |
| September | 0         | 0        | 0           | 0             | 511              | 68723           |
| October   | 0         | 0        | 0           | 0             | 511              | 68723           |
| November  | 5         | 14902    | 272         | 21            | 516              | 83625           |
| December  | 18        | 13439    | 80          | 31            | 534              | 97064           |
| Total     | 23        | 28341    | 352         | 52            |                  |                 |

Year: 2002

Pool Name: BLANCO-MESAVERDE (PRORATED GAS)

| Month     | Oil(BBLS) | Gas(MCF) | Water(BBLS) | Days Produced | Accum. Oil(BBLS) | Accum. Gas(MCF) |
|-----------|-----------|----------|-------------|---------------|------------------|-----------------|
| January   | 0         | 0        | 0           | 0             | 534              | 97064           |
| February  | 0         | 0        | 0           | 0             | 534              | 97064           |
| March     | 0         | 0        | 0           | 0             | 534              | 97064           |
| April     | 0         | 0        | 0           | 0             | 534              | 97064           |
| May       | 0         | 0        | 0           | 0             | 534              | 97064           |
| June      | 0         | 802      | 0           | 24            | 534              | 97866           |
| July      | 0         | 1422     | 0           | 31            | 534              | 99288           |
| August    | 0         | 0        | 0           | 0             | 534              | 99288           |
| September | 0         | 0        | 0           | 0             | 534              | 99288           |
| October   | 0         | 0        | 0           | 0             | 534              | 99288           |
| November  | 0         | 0        | 0           | 0             | 534              | 99288           |
| December  | 0         | 0        | 0           | 0             | 534              | 99288           |
| Total     | 0         | 2224     | 0           | 55            |                  |                 |

Pool Name: OTERO CHACRA (GAS)

| Month    | Oil(BBLS) | Gas(MCF) | Water(BBLS) | Days Produced | Accum. Oil(BBLS) | Accum. Gas(MCF) |
|----------|-----------|----------|-------------|---------------|------------------|-----------------|
| January  | 17        | 8976     | 160         | 31            | 551              | 108264          |
| February | 5         | 5615     | 80          | 28            | 556              | 113879          |
| March    | 5         | 5928     | 80          | 31            | 561              | 119807          |
| April    | 6         | 7030     | 240         | 29            | 567              | 126837          |
| May      | 0         | 0        | 0           | 0             | 567              | 126837          |
| June     | 38        | 4231     | 160         | 24            | 605              | 131068          |
| July     | 10        | 7491     | 160         | 31            | 615              | 138559          |
| Total    | 81        | 39271    | 880         | 174           |                  |                 |

Page last updated 06/14/2001. Webmaster [gotech@prrc.nmt.edu](mailto:gotech@prrc.nmt.edu)

XTO Energy - Well Workover Report  
BOLACK C #12A Chacra  
Objective: OAP in Chacra

10/31/01: First rpt for AFE #101225 to OAP in Chacra. TP 8 psig, CP 251 psig. Blew dwn well. MIRU workover rig. POH w/1-1/4" x 16' PR w/8' PR liner, 207 - 3/4" rods, 1" x 1' lift sub, RHBO tool, rod guide & 2" x 1-1/2" x 12' RWAC "Z" pmp w/1" x 1' strainer nipple. ND WH. NU BOP. POH w/170 jts 2-3/8" tbg, SN, 2 - 10' x 2-3/8" tbg subs, Cavins Desander, 2 jts 2-3/8" tbg & OPMA. PU & TIH w/3-7/8" blade bit, 4-1/2" csg scraper & 40 jts 2-3/8" tbg. SDFN.

11/1/01: SICP 185 psig. Blew dwn well. Fin TIH w/3-7/8" blade bit, 4-1/2" csg scraper & 175 jts 2-3/8" tbg. Tgd btm @ 5,346' (52' fill). POH w/tbg, csg scraper & bit. MIRU WL trk. Ran GR/CCL fr/5,348'-2,396'. RD WL trk. PU & TIH w/4-1/2" CIBP, setting tool & 160 jts 2-3/8" tbg. Set CIBP @ 4,900'. MIRU pmp trk. Ppd 10 gals LE-69 (demulsifier), 10 gals B-105 (paraffin solvent) & 15 gals P-163 (toluene-based flushing agent) dwn tbg. Mixture creates an exothermic reaction to CO paraffin. RDMO pmp trk. SD 30". Loaded well w/143 bbls 2% KCl wtr. Rev circ 2 BO to pit. Press std CIBP to 1,500 psig for 5". Held OK. Rel press. POH w/tbg & setting tool. RU WL trk. RIH w/3-1/8" csg gun. Perf'd Chacra fr/3,726'-3,734' w/2 JSPF (18 holes, 0.33" dia). POH w/csg gun. RDMO WL trk. SDFN.

11/2/01: SICP 5 psig. TIH w/182 jts 2-3/8" tbg. POH & LD 182 jts 2-3/8" tbg. PU & TIH w/4-1/2" Bob Cat CSFB pkr, XO, 2 jts 2-7/8", 6.5#, N-80 tbg w/SHC, XO & 99 jts 3-1/2", 9.3#, J-55, EUE, 8rd tbg. Set pkr @ 3,226'. TOL @ 3,185'. Press TCA to 1,000 psig for 10", held OK. Bled press to 500 psig. Inst Stinger frac vlv. RDMO workover rig.

11/3/01: SITP 0 psig, SICP 375 psig. MIRU frac crew. Loaded tbg w/0.5 bbl 2% KCl wtr @ 1.7 BPM & press incr'd to 4,800 psig. SD & press decr'd to 4,000 psig. Ppd dwn tbg @ 1 BPM & TP incr'd to 5,374 psig, SICP 560 psig. SD & found tbg had moved uphole 5". EIR dwn tbg @ 4.5 BPM & 1,600 psig, SICP 380 psig. Incr'd rate to 6 BPM, TP 1,600 psig, SICP 380 psig. Acidized w/1,000 gals 15% NEFE HCl acid @ 6 BPM, TP 1,500 psig, SICP 380 psig. Flushed w/37 bbls 2% KCl wtr @ 8 BPM, TP 1,800 psig, SICP 380 psig. TP incr'd to 3,000 psig & SICP incr'd to 800 psig. ISIP TP 989 psig, SICP 801 psig. 30 sec SITP 801 psig, SICP 792 psig. 5" SITP 691 psig, SICP 797 psig. 10" SITP 609 psig, SICP 792 psig. 15" SITP 526 psig, SICP 787 psig. Bled dwn tbg. Loaded TCA w/0.2 bbls 2% KCl wtr. Press TCA to 2,000 psig, SITP 78 psig. TCA held press 3". Bled TCA press to 1,500 psig. Ppd dwn tbg w/47 bbls 2% KCl wtr. Walked inj rate fr/1.7 to 15.5 BPM. TP incr'd fr/1,200 psig to 2,300 psig. SICP incr'd fr/1,500 psig to 1,700 psig. Tbg moved uphole 4" after TP went above 1,600 psig. SD. RDMO frac crew.

11/4/01: Axle broke on rig while moving to loc. Pull rig to loc w/D8 Cat. RU workover rig. SDFN.

11/5/01: SDF Sunday & rig rprs..

11/6/01: SITP vac, SICP 0 psig. Rel pkr. POH w/99 jts 3-1/2" tbg, XO, 2 jts 2-7/8", N-80 tbg w/SHC, XO & Bob Cat CSFB pkr. Ext of pkr looked OK. TIH

w/new Bob Cat CSFB pkr, XO, 4 jts 2-7/8", N-80 tbg w/SHC, XO, 99 jts 3-1/2" tbg & 1 - 4' x 3-1/2" tbg sub. Set pkr @ 3,289' w/25 pts comp. MIRU DS pmp trk. Loaded TCA w/5 bbls 2% KCl wtr. Press TCA to 1,050 psig. Loaded tbg w/13 bbls 2% KCl wtr. EIR dwn tbg @ 7.5 BPM & 1,710 psig. Ppd 47 bbls 2% KCl wtr. Final IR 7.5 BPM & 1,525 psig. ISIP 1,000 psig, 30 sec SIP 780 psig, 5" SIP 620 psig, 10" SIP 530 psig, 15" SIP 449 psig. RDMO DS pmp trk. SDFN.

11/7/01: SITP vac, SICP 365 psig. MIRU frac crew. Press TCA to 1,000 psig. Frac Chacra dwn 3-1/2" tbg w/39,900 gals 70-65Q, N2 foamed, 30# linear gelled, 2% KCl wtr carrying 79,000# 20/40 Brady sd w/150# PropNet. AIR 30 BPM @ 3,800 psig. SICP incr'd fr/1,000-1,390 psig. Flushed w/1,360 gals linear base gel. ISIP 1,150 psig, 30 sec SIP 1,176 psig, 5" SIP 1,126 psig, 10" SIP 1,108 psig, 15" SIP 1,094 psig. RDMO frac crew. 378 BLWTR fr/frac. Inst 1/8" ck. SITP 950 psig. OWU to flowback tnk @ 3:30 p.m. 4:30 p.m.: F. 0 BO, 14 BLW, FTP 1,100 psig. 5:30 p.m.: F. 0 BO, 8 BLW, FTP 1,250 psig. 6:30 p.m.: F. 0 BO, 6 BLW, FTP 1,340 psig. 7:30 p.m.: F. 0 BO, 3 BLW, FTP 1,320 psig. 8:30 p.m.: F. 0 BO, 6 BLW, FTP 1,200 psig. 9:30 p.m.: F. 0 BO, 3 BLW, FTP 1,100 psig. 10:30 p.m.: F. 0 BO, 6 BLW, FTP 1,060 psig. 12:30 a.m.: F. 0 BO, 6 BLW, FTP 1,100 psig. 3:30 a.m.: F. 0 BO, 12 BLW, FTP 1,100 psig. 6:30 a.m.: F. 0 BO, 6 BLW, FTP 850 psig.

11/8/01: F. 0 BO, 86 BLW, FTP 850 psig - 340 psig, SICP 0 psig (pkr), 1/8" - 1/4" ck, 24 hrs. Flow back details as follows: 6:30 a.m.: 0 BO, 0 BLW, FTP 850 psig, 1/8" ck; 10:30 a.m.: 0 BO, 8 BLW, FTP 800 psig, 1/8" ck; 12:30 p.m.: 0 BO, 3 BLW, FTP 750 psig, 1/8" ck; 1:30 p.m.: 0 BO, 2 BLW, FTP 600 psig, 1/4" ck; 3:30 p.m.: 0 BO, 5 BLW, FTP 550 psig, 1/4" ck; 4:30 p.m.: 0 BO, 3 BLW, FTP 440 psig, 1/4" ck; 9:30 p.m.: 0 BO, 30 BLW, FTP 360 psig, 1/4" ck; 1:30 a.m.: 0 BO, 18 BLW, FTP 340 psig, 1/4" ck; 4:30 a.m.: 0 BO, 9 BLW, FTP 340 psig, 1/4" ck; 6:30 a.m.: 0 BO, 8 BLW, FTP 360 psig, 1/4" ck.

11/9/01: FTP 350 psig, SICP 350 psig. Blew dwn well in 1.5 hrs. Rec 0 BO, 32 BLW. Killed well w/80 bbls 4% KCl wtr. Rel pkr. POH & LD 99 jts 3-1/2" tbg, XO, 4 jts 2-7/8" tbg w/SHC, XO & Bobcat CSFB pkr. TIH w/NC, SN & 147 jts 2-3/8" tbg. Tgd btm @ 4,513' (387' fill). POH & LD 26 jts tbg. Landed tbg @ 3,734'. SN @ 3,733'. MIRU pmp trk. Ppd 10 gals LE-69 (demulsifier), 10 gals B-105 (paraffin solvent) & 15 gals P-163 (toluene-based flushing agent) dwn tbg. Mixture creates an exothermic reaction to CO paraffin. RDMO pmp trk. SWI. SDFN.

11/10/01: F. 0 BO, 75 BLW, 152 MCF, FTP 550 psig, SICP 620 psig, LP 161 psig, 24 hrs. SITP 10 psig, SICP 20 psig. Blew dwn well. RIH w/1.886" tbg broach to 3,000' FS & hit paraffin. BFL @ 2,000' FS. POH w/tbg broach. POH w/64 jts tbg. MIRU pmp trk. Ppd 10 gals LE-69 (demulsifier), 10 gals B-105 (paraffin solvent) & 15 gals P-163 (toluene-based flushing agent) dwn tbg. Mixture creates an exothermic reaction to CO paraffin. RDMO H&M pmp trk. RIH w/1.886" tbg broach to SN. POH w/tbg broach. TIH w/64 jts tbg. RIH w/1.886" tbg broach to SN. POH w/tbg broach. Landed tbg @ 3,734'. SN @ 3,733'. ND BOP. NU WH. FTP 0 psig, SICP 30 psig. RU swb. BFL 1,400' FS. S. 0 BO, 15 BLW, 1 hr (3 runs). FFL 1,600' FS. Well KO flwg. Turned to flowback tnk on 1/4" ck @ 4:00 p.m. 5:00 p.m.: F. 0 BO, 3 BLW, FTP 130

psig, SICP 40 psig, 1/4" ck. 6:00 p.m.: 0 BO, 1 BLW, FTP 80 psig, SICP 40 psig, 1/4" ck. 7:00 p.m.: 0 BO, 1 BLW, FTP 0 psig, SICP 40 psig, 1/4" ck. SWI 6 hrs. SITP 20 psig, SICP 50 psig. OWU to tnk & blew dwn in 15". SWI 4.5 hrs. SITP 30 psig, SICP 60 psig. OWU to tnk & blew dwn in 20".

11/11/01: F. 0 BO, 52 BLW, 627 MCF, FTP 560 psig, SICP 620 psig, LP 160 psig, 24 hrs. FTP 0 psig, SICP 100 psig. BFL 1,600' FS. S. 0 BO, 10 BLW, 1.5 hrs (2 runs). FFL 1,700' FS. Well KO flwg to flowback tnk. F. 0 BO, 90 BLW, FTP 60 psig, SICP 120 psig, 2" ck, 2.5 hrs. SWI 30" to reconnect WH. SITP 180 psig, SICP 200 psig. OWU on 1/4" ck & del CH first gas sales to EPFS @ 2:30 p.m., 11/10/01. Initial rate 76 MCFPD. RDMO rig.

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