FORM 6 Rev 12/05

# State of Colorado Oil and Gas Conservation Commission

02577317

1120 Lincoln Street, Suite 801, Denver Colorado 80203 (303) 894-2100 Fax (303) 894-2109

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## WELL ABANDONMENT REPORT

Submit original plus one copy. This form is to be submitted as an intent whenever a plugging is planned on a borehole. The approved intent shall be valid for twelve months after the approval date after that period a new intent will be required. After the plugging is complete, this form and one copy shall again be submitted as a subsequent report of the work as actually completed.

**COGCC Operator Number:** 28700
Name of Operator: ExxonMobil Oil Corporation
Address: P.O. Box 4358; CORP-MI-207
City: Houston State: Tx. Zip: 77210-4358

Contact Name & Telephone
Mark Cornett
No: 281.654.1925
Fax: 281.654.1940

**24 hour notice required, contact:**
Tel:

**API Number** 05-103-10440-00
Well Name: Piceance Creek Unit Well Number: T78X-12G2
Location (QtrQtr, Sec, Twp, Rng, Meridian): SESE, Sec. 12, T2S, R97W, 6 P.M.
County: Rio Blanco Federal, Indian or State Lease Number: COD-035679
Field Name: Piceance Creek Field Number 68800

**Complete the Attachment Checklist**

| | Oper | OGCC |
|---|---|---|
| Wellbore Diagram | X | |
| Cement Job Summary | | |
| Wireline Job Summary | | |
| | | |
| P&A Procedure | X | |
| | | |

[X] **Notice of Intent to Abandon** [ ] **Subsequent Report of Abandonment**

***Only Complete the Following Background Information for Intent to Abandon***

Latitude: 39.884879 Longitude: -108.222497
GPS Data:
Date of Measurement: 12/05/09 PDOP Reading: 1.7 Instrument Operator's Name: J. Mitchell

Reason for Abandonment: [ ] Dry [X] Production Sub-economic [ ] Mechanical Problems [ ] Other
Casing to be Pulled: [ ] Yes [X] No Top of Casing Cement:
Fish in Hole: [ ] Yes [X] No If yes, explain details below
Wellbore has Uncemented Casing Leaks: [ ] Yes [X] No If yes, explain details below
Details:

### Current and Previously Abandoned Zones

| Formation | Perforations - Top | Perforations Bottom | Date Abandoned | Method of Isolation (None, Squeezed, BP, Cement, etc.) | Plug Depth |
|---|---|---|---|---|---|
| Ohio Creek | 7550 | 7558 | | | |
| | | | | | |
| | | | | | |
| | | | | | |

### Casing History

| String | Size of Hole | Size of Casing | Weight per ft | Setting Depth | Sacks Cement | Cement Bottom | Cement Top |
|---|---|---|---|---|---|---|---|
| Conductor | 20 | 16 | | 176 | 73 | 176 | 0 |
| Surface | 12.25 | 9.625 | 47 | 3153 | 1120 | 3153 | 0 |
| Production | 7.875 | 4.5 | 15.1 | 7771 | 585 + 728 | 7771 | ~~7480~~ 3180 |
| | | | | | | | |

### *Plugging Procedure for Intent and Subsequent Report*

NOTE: Two (2) sacks cement required on all CIBPs.

CIBP #1: Depth 5500 with 10 sacks cmt on top. CIPB #2: Depth ____ with ____ sacks cmt on top

Set ____ sks cmt from ____ ft. to ____ ft. in [ ] Casing [ ] Open Hole [ ] Annulus
Set ____ sks cmt from ____ ft. to ____ ft. in [ ] Casing [ ] Open Hole [ ] Annulus
Set ____ sks cmt from ____ ft. to ____ ft. in [ ] Casing [ ] Open Hole [ ] Annulus
Set ____ sks cmt from ____ ft. to ____ ft. in [ ] Casing [ ] Open Hole [ ] Annulus
Set ____ sks cmt from ____ ft. to ____ ft. in [ ] Casing [ ] Open Hole [ ] Annulus

Perforate and squeeze at 3300 ft. with 70 sacks Leave at least 100 ft. in casing
Perforate and squeeze at 300 ft. with 310 sacks Leave at least 100 ft. in casing
Perforate and squeeze at ____ ft. with ____ sacks Leave at least 100 ft. in casing

Set ____ sacks half in, half out surface casing from ____ ft. to ____ ft.
Set ____ sacks at surface
Cut four feet below ground level, weld on plate Dry-Hole Marker: [X] Yes [ ] No
Set ____ sacks in rat hole Set ____ sacks in mouse hole

### *Additional Plugging Information for Subsequent Report Only*

Casing Recovered: ____ ft. of ____ in. casing Plugging date: ____
*Wireline Contractor: *Cementing Contractor:
Type of Cement and Additives Used:
***Attach job summaries.**

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name Mark Cornett Email: mark.cornett@exxonmobil.com
Signed: Mark Cornett Title: Regulatory Specialist Date: 07/19/10

OGCC Approved: Title: EIT II Date: 8/27/2010
**CONDITIONS OF APPROVAL, IF ANY:**

U.S. PRODUCTION

# WELL HISTORY AND PENDING WELLWORK SUMMARY

**BACKGROUND:**

While drilling the 78-12G2, 4.5" casing became stuck at 7775'MD. A plug was pumped and cemented in place at 5400'. In February 2005 perforations were added in the Ohio Creek interval (lowest available interval in well) and the well flowed with low gas/high water rates for a short time before loading up. The well cum'd 116Mcf of gas, but has no historical well tests. WellView notes indicate a WGR~1000bblw/Mcf during the time the well produced. Upon reviewing the log, the well was perforated in the lower lobes of the Ohio Creek which has historically been a high water producer. A lower water zone is sometimes seen in the upper Ohio Creek, but that zone is not present in the G2 well.

**CURRENT STATUS:**

- Shut-in

**OBJECTIVE:**

- Permanently Plug & Abandon.

**REGULATORY REQUIREMENTS**

- Isolation of perforated interval with either cement plug 50' above and 50' below or CIBP within 50-100' of top perf with at least 50' cement spotted on top of bridge plug.
- Isolation of at least 50' above and below each casing string in all strings.
- Cemented surface plug in all strings as close to cut off point as possible.
- Mud weight of at least 9 ppg.

**SAFETY/JSAs:**

Prior to the beginning of each major phase of this procedure, all rig, service company and ExxonMobil personnel involved must meet to review JSAs for all relevant tasks and record in daily rig report. All work is to be in compliance with the ExxonMobil Wellwork Execution Manual.

**CASING PRESSURES**

Check tubing and casing pressures on all annuli prior to beginning workover operations and report on the morning report. Consult with Workover Coordinator on options to mitigate.

**MISC**

- Kill fluid is brine.
- Recommended cement for slurry is 15.6 ppg API Class A.
- Check all calculations in this procedure prior to execution. If different than procedure, please contact SSE.
- If any complications occur during procedure, communicate problems with both wellwork supervisor and SSE.

- On each cement plug, after reverse circulating, stand back 5 stacks of WS before shutting down.

**PROCEDURE SUMMARY:**

1. MIRU WO unit
2. Kill well/NU BOPs
3. Pull tubing
4. RIH with gyro, tag PBTD and log up hole to surface.
5. Set CIBP
6. Pressure Test
7. Circulate inhibited 9# plugging mud.
8. Cement over CIBP
9. Pressure Test
10. Tag plug, perforate casing @3300'
11. Squeeze cement through retainer
12. Cement over retainer
13. Tag plug, perforate casing @300'
14. Squeeze cement
15. Cement surface
16. Cutoff Casing and RDMO

## WELLBORE CONSTRUCTION DETAILS

| Pipe Description | ID | Drift | Cap. Bbl/Ft | Annular Bbl/Ft | 1.25 SF Burst | 1.33 SF Collapse |
|---|---|---|---|---|---|---|
| Prd Tbg – 2 3/8", 4.7#, N80 | 1.995 | 1.901 | 0.0039 | 0.0087 | 8960 | 8857 |
| Prod Csg – 4 1/2", 15.1#, P-110 | 3.826 | 3.701 | 0.0142 | 0.0536 | 11536 | 10767 |
| Surface Csg – 9 5/8", 47#, P-110 | 8.681 | 8.525 | 0.0732 | 0.0732 | 7552 | 3985 |
| Conductor – 16" | 15.5 | 15.5 | 0.2335 | | | |

# CURRENT WELLBORE SCHEMATIC

## Wellbore Schematic

ExxonMobil Production Company

*Well: Pcu B T78x-12g2*

*Field: Piceance Creek Field*

Printed: 1/26/2010 Page #1 of 1 Page(s)

### Well Header

| Lease | County/District | Territory/State | Last Mod By Any | Last Mod Date Any (UT) |
|---|---|---|---|---|
| Piceance Creek - Secondary B | Rio Blanco | Colorado | rmrobin | 1/26/2010 |

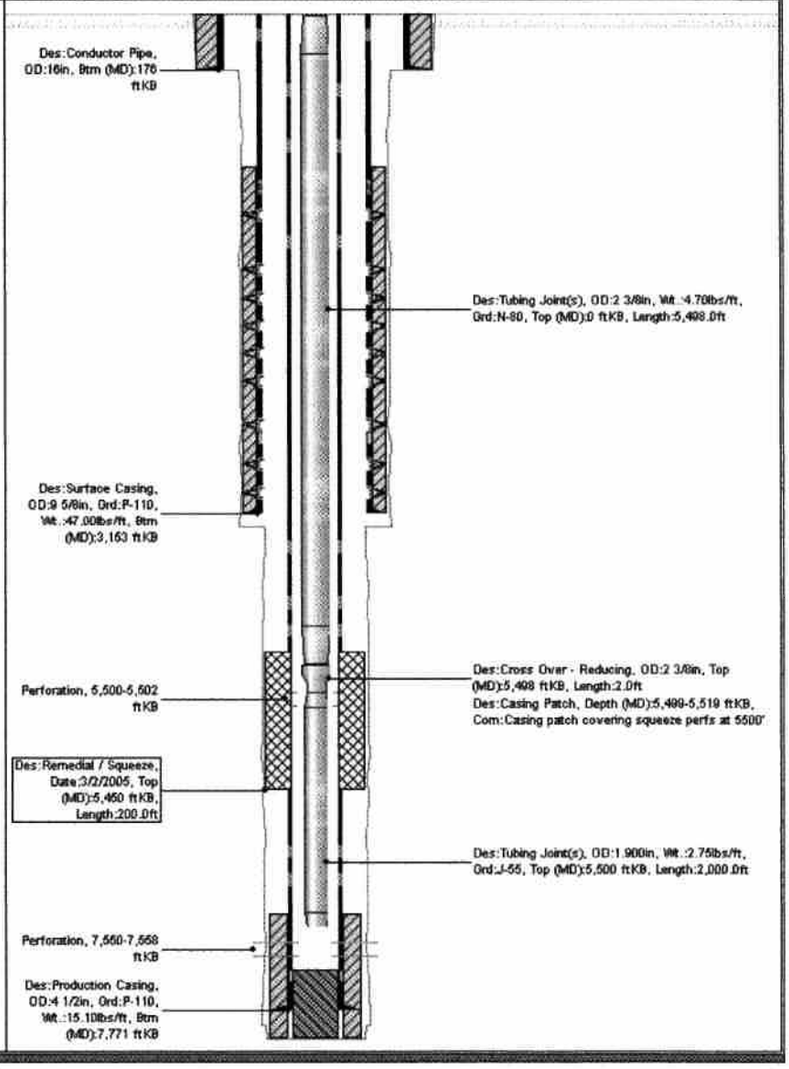
| Surface Legal Location | Land Survey System | Well Identifier | ID Surface Location |
|---|---|---|---|
| | Township Range Section | 0510310440 | 712C4BC51CF91F88E04400144... |

| Original KB Elevation (ft) | KB-Ground Distance (ft) | Ground Elevation (ft) | Well Spud Date/Time | Basin |
|---|---|---|---|---|
| 7,292.00 | 25.00 | 7,267.00 | 9/19/2004 | 595 |

Transform Code: 60106 - Pcu B T78x-12g2, 1/26/2010 2:13:41 PM

| ftKB (MD) | ftKB (TVD) | Incl |
|---|---|---|
| 0 | 0 | 0.0 |
| 38 | 38 | 0.2 |
| 176 | 176 | 0.4 |
| 264 | 264 | 0.5 |
| 304 | 304 | 0.6 |
| 1,251 | 1,250 | 1.3 |
| 1,368 | 1,367 | 0.8 |
| 1,462 | 1,461 | 0.6 |
| 2,234 | 2,233 | 1.1 |
| 2,632 | 2,631 | 1.3 |
| 2,720 | 2,720 | 1.3 |
| 2,809 | 2,808 | 1.3 |
| 2,898 | 2,897 | 1.2 |
| 2,972 | 2,971 | 1.2 |
| 3,050 | 3,049 | 1.2 |
| 3,060 | 3,059 | 1.2 |
| 3,106 | 3,105 | 1.3 |
| 3,150 | 3,149 | 1.5 |
| 3,163 | 3,162 | 1.6 |
| 3,270 | 3,269 | 2.4 |
| 3,300 | 3,299 | 2.6 |
| 4,228 | 4,203 | 15.3 |
| 5,279 | 5,218 | 15.8 |
| 5,450 | 5,382 | 15.5 |
| 5,499 | 5,430 | 15.5 |
| 5,502 | 5,432 | 15.4 |
| 5,610 | 5,537 | 14.1 |
| 5,630 | 5,556 | 13.9 |
| 5,650 | 5,576 | 13.8 |
| 5,680 | 5,605 | 13.7 |
| 6,238 | 6,147 | 12.1 |
| 7,257 | 7,145 | 6.8 |
| 7,400 | 7,288 | 3.7 |
| 7,500 | 7,388 | 3.0 |
| 7,558 | 7,446 | 3.3 |
| 7,682 | | |
| 7,771 | | |
| 13,030 | | |

Schematic - Actual



# PROPOSED WELLBORE SCHEMATIC

## Proposed Wellbore Schematic

*Well: Pcu B T78x-12g2*
*Field: Piceance Creek Field*

ExxonMobil Production Company

Printed: 3/10/2010 Page #1 of 1 Page(s)

### Well Header

| Lease | County/District | Territory/State | Last Mod By Any | Last Mod Date Any (U) |
|---|---|---|---|---|
| Piceance Creek - Secondary B | Rio Blanco | Colorado | jallen | 3/10/2010 |

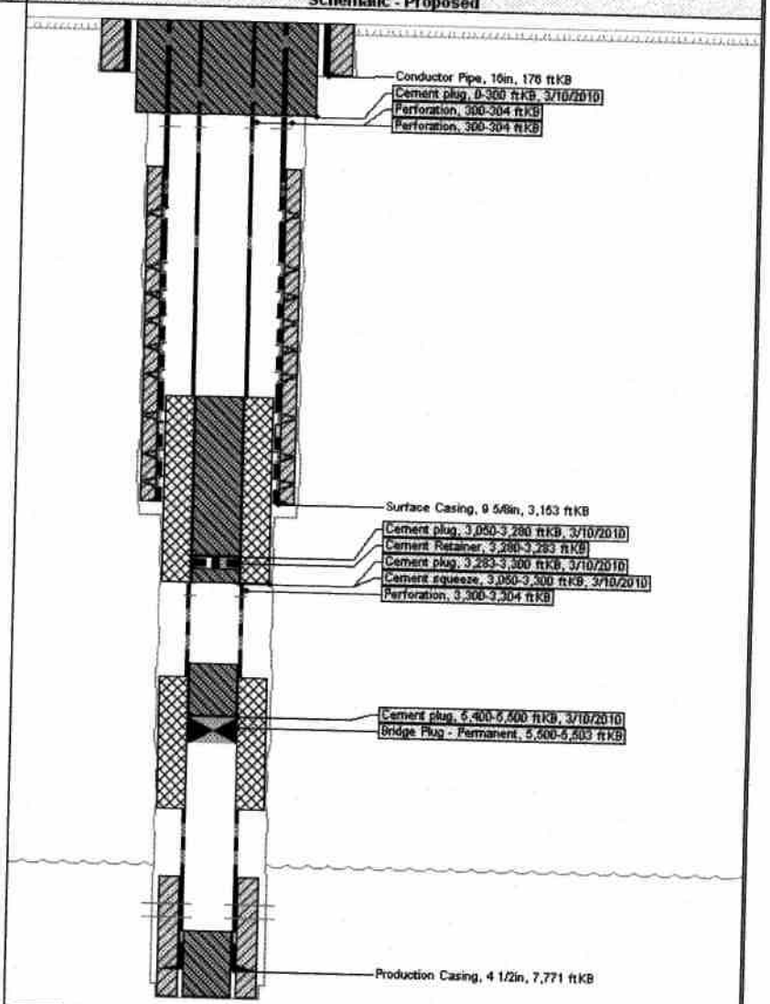
| Surface Legal Location | Land Survey System | Well Identifier | ID Surface Location |
|---|---|---|---|
| | Township Range Section | 0510310440 | 712C4BC51CF91F88E04400144... |

| Original KB Elevation (ft) | KB-Ground Distance (ft) | Ground Elevation (ft) | Well Spud Date/Time | Basin |
|---|---|---|---|---|
| 7,292.00 | 25.00 | 7,267.00 | 9/19/2004 | 595 |

### Proposed Wellbore

| ftKB (MD) | Incl | ftKB (TVD) |
|---|---|---|
| 0 | 0.0 | 0 |
| 38 | 0.2 | 38 |
| 176 | 0.4 | 176 |
| 264 | 0.5 | 264 |
| 304 | 0.6 | 304 |
| 1,251 | 1.3 | 1,250 |
| 1,368 | 0.8 | 1,367 |
| 1,462 | 0.6 | 1,461 |
| 2,234 | 1.1 | 2,233 |
| 2,632 | 1.3 | 2,631 |
| 2,720 | 1.3 | 2,720 |
| 2,809 | 1.3 | 2,808 |
| 2,898 | 1.2 | 2,897 |
| 2,972 | 1.2 | 2,971 |
| 3,060 | 1.2 | 3,049 |
| 3,060 | 1.2 | 3,059 |
| 3,108 | 1.3 | 3,105 |
| 3,150 | 1.5 | 3,149 |
| 3,153 | 1.5 | 3,152 |
| 3,270 | 2.4 | 3,269 |
| 3,280 | 2.5 | 3,279 |
| 3,300 | 2.6 | 3,299 |
| 4,228 | 15.3 | 4,203 |
| 5,279 | 15.8 | 5,218 |
| 5,400 | 15.6 | 5,334 |
| 5,499 | 15.5 | 5,429 |
| 5,500 | 15.5 | 5,431 |
| 5,503 | 15.4 | 5,433 |
| 5,610 | 14.1 | 5,537 |
| 5,630 | 13.9 | 5,556 |
| 6,236 | 12.1 | 6,147 |
| 7,257 | 6.8 | 7,145 |
| 7,478 | 3.1 | 7,366 |
| 7,550 | 3.2 | 7,437 |
| 7,681 | | |
| 7,769 | | |
| 9,180 | | |

Schematic - Proposed




NOTE: To change schematic view, select the schematic tab and choose desired schematic layout from pull down list.

## RECOMMENDED PROCEDURE

1. Notify BLM, COGCC and any other relevant regulatory representative at least 48 hrs. prior to plugging operations. Confirm all permits and approvals have been obtained and are on location prior to beginning well work.

2. MIRU WO unit

3. Kill well, set 2-way check. ND tree. NU Class III BOPs (1000 psi < MASIP < 3000 psi) and test per ExxonMobil requirements.
   i. 7 1/16", 3,000psi WP, Class III BOPs
      a. Pipe rams for 2 3/8" tubing
      b. Pipe rams for 1.9" tubing
      c. Spool
      d. Blind rams
   ii. Low pressure test: 200-300 psi for 5 minutes
   iii. High pressure test: 3,000 psi for 10 minutes

4. POOH existing 2 3/8" tubing and LD 1.9" tubing.

5. RU wireline and lubricator. RIH with drift gauge ring, junk basket, and sinker bar to PBTD.

   Note: If it is not possible for the gauge ring assembly to reach PBTD, this should communicated by the wireline crew to the wellwork supervisor before proceeding with the logging work. The wellwork supervisor should then communicate this to the SSE to discuss options for identifying and removing any wellbore obstructions.

6. POOH. RIH with Gyro tool to PBTD. Tag bottom and record depth. For the gyro tool, make stops every 200 ft from PBTD. Log data from TD to surface. RD wireline unit.

7. PU CIBP on 2 3/8" WS. RIH and set plug at 5500'. Circulate inhibited 9 ppg plugging mud down WS until see mud returns up annulus. Pressure test casing to 500 psi and monitor for 15 min.

8. RU cement unit, establish circulation through the 2 3/8" WS and spot 10 sxs on top of CIBP. Pull up hole 150' to 5330' and reverse circulate clear. SD and WOC overnight.

9. Perform official pressure test to 300 psi. RIH and tag plug. Record depth. POOH with WS.

10. RU wireline unit and lubricator. PU wireline deployed perforating gun with 6 spf, 60° phasing, for the 4 1/2", 15.1# casing. Use perforating charges that produces the largest diameter hole. Perforate casing at 3300'. POOH, LD spent perforation gun.

11. Close BOPs and attempt to establish circulation with 9 ppg WBM down the 4 1/2" casing and up the 4 1/2" x 9 5/8" annulus. Circulate 4 1/2" x 9 5/8" annulus clean. If unable to circulate, contact SSE.

**If circulation is possible**

RIH with 2 3/8" WS to 3280'. Open 4 1/2" x 9 5/8" annular valves and establish circulation rates down WS and up production x intermediate casing annulus at ½ and 1 Bbl/min. RU cementers and pump 70 sxs of cement down the WS and up the 4 1/2" x 9 5/8" annulus. Close 4 1/2" x 9 5/8" annular valve and open production casing valves and pump 70 sxs of cement up 4 ½" production casing. PUH 300' with WS and reverse circulate clear. SD and WOC overnight.

**If circulation is not possible**

A. RU a wireline unit and lubricator. PU wireline deployed perforating gun with 6 spf, 60° phasing, for the 4 1/2", 15.1# casing. Use perforating charges that produces the largest diameter hole. Perforate casing at 3050'. POOH, LD spent perforation gun.

B. PU retainer on 2 3/8" tubing, RIH and set at 3280'. Establish injection rates/pressures at ½ and 1 Bbl/min.

C. RU cementers. Open production casing valves and squeeze 75 sxs of cement slurry through retainer into 4 1/2" casing and up 4 1/2" x 9 5/8" annulus.

D. Sting out of retainer and keep production casing valves open. Pump 75 sxs cement into 4 1/2" casing. Pull up hole WS 300' and reverse circulate clear. SD and WOC overnight.

12. Perform official pressure test to 300 psi. RIH and tag plug. Record depth. POOH with WS.

13. RU a wireline unit and lubricator. PU wireline deployed perforating gun with 6 spf, 60° phasing, that will perforate through the both the 4 ½", 15.1# and 9 5/8", 43.5# casing. Use perforating charges that produces the largest diameter hole. Perforate casing at 300'. POOH, LD spent perforation gun.

14. Close BOPs and attempt to establish circulation with 9 ppg WBM down the 4 1/2" casing and up both the 4 1/2" x 9 5/8" and the 9 5/8 x 16" annulus. Circulate all annuli clean. If unable to circulate, contact SSE.

15. RU cementers to production casing valve and open the 9 5/8" and 16" casing valves. Pump 310 sxs of cement slurry down 4 1/2" casing and up both the 4 1/2" x 9 5/8" and 9 5/8" x 16" annuli or until see cement returns at surface in casing and all annuli. Top off as necessary, but bring cement levels in all strings to surface. SD and WOC overnight.

16. ND BOPs. Prepare well for removal of all casing at the base of the cellar. Cut-off casing and tubing head 4' below ground level. Remove any excess cement necessary to attach marker. Attach regulation marker plate with weep hole. Marker must have the following information permanently placed on marker head:

    i. Operator Name
    ii. Federal Lease Serial number
    iii. Well number
    iv. Location by ¼ ¼, Section, Township and range, or other acceptable surveyed description

17. The cellar shall be filled and surface restored in accordance with the COGCC, BLM, and any other relevant regulatory agency.

18. RDMO workover rig. Clean and clear location, hand site off to operations for reclamation.