

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

June 19, 2008

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

WELL API NO. 30-045-25820

5. Indicate Type of Lease  
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Wood Gas Com A

8. Well Number 1

9. OGRID Number 778

10. Pool name or Wildcat  
Fruitland

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 ☐ Gas Well ☐ Other

2. Name of Operator

BP America Production Company

3. Address of Operator

P.O. Box 3092 Houston, Tx 77253-3092

4. Well Location

Unit Letter **B** : **1155** feet from the **North** line and **1745** feet from the **East** line  
Section **4** Township **31N** Range **10W** NMPM **San Juan** County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
5833' GR

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 COMPL ☐  
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

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.

BP has reviewed the above mentioned well and finds no further potential.

BP respectfully request permission to plug and abandon the entire wellbore of the above mentioned well.

Should you have any technical questions about the procedure please call Anne Hansford @281-366-8619

RCVD DEC 2 '09  
OIL CONS. DIV.  
DIST. 3

Spud Date:

12/14/1983

Rig Release Date:

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

SIGNATURE Cherry Hlava TITLE Regulatory Analyst DATE 11/30/2009

Type or print name Cherry Hlava E-mail address: Hlavacl@bp.com PHONE: 281-366-4081  
For State Use Only

APPROVED BY: Tally G. Zolt TITLE Deputy Oil & Gas Inspector,  
Conditions of Approval (if any): See changes District #3 DATE DEC 10 2009

## SJ Basin PxA Procedure

### 30-045-25820

**Well Name:** Wood Gas Com A1 - FT  
**Version:** 2.0 (updated 11-23-09)  
**Date:** Nov. 23, 2009  
**Location:** T31N-R10W-Sec4  
**County:** San Juan                      **State:** New Mexico  
**Meter #:** 95105                      **Engr:** Anne Hansford  
**Horizon:** FT                      **Ph:** 281-366-8619  
**CO2 :** 1.5%  
**H2S:** NO  
**Reservoir pressure =** 350 psi

---

**Objective: P&A entire wellbore. See attached pictures of wellhead/location.**

1. Contact regulatory agency (NMOCD) 24 hours prior to starting work.
2. Set two plugs in X-nipple and R-nipple.
3. **Pull tubing @ 2656'**. Inspect to see if can use as workstring.
4. Set 7" CIBP @ 2539'. Fill hole, pressure test casing and run CBL.
5. Place 150' cement plug from 2539' to 2389'
6. Place balanced plug from 700' to 550'.
7. **Perf @ 325'** and pump final plug inside 9-5/8" and 9-5/8" by 13-3/8" annulus.

---

<b>1984</b>	<b>Completion</b>
<b>1984</b>	<b>Well rodged up</b>
<b>4/1994</b>	<b>Pulled pump and established new PBTD</b> Ran 7" liner and deepened to 2694'
<b>10/1984</b>	<b>Squeezed liner</b>
<b>12/1987</b>	<b>Frac 2589-2626'</b>
<b>2/1989</b>	<b>Completion</b> Perf'd 2553-2542'. Land tubing @ 2542'. N2 cleanout
<b>2005</b>	<b>Workover and downsized tubing</b>
<b>6/2005</b>	<b>Wireline</b> RIH with 1.5 tolls – tag @ 2635' (EOT – 2530). RIH – gauge ring. Could not get down. Rig down. Paraffin – RIH with paraffin knife – cut to 2530' – POOH. RIH. Gauge rig tag @ 2502'. Felt like a nipple. Run in hole with running tool and BHP gauge. Hang for 4 hours with well flowing. RIH with gauge ring – cutter – could not get down – paraffin. RIH with paraffin knife – cut paraffin. RIH with cutter again. Tag @ 2502' – nipple.

---

**Procedure: Notify NMOCD 24 hours prior to beginning P&A operations.**

1. Perform pre-rig site inspection, size of location, gas taps, other wells, other operators, running equipment, wetlands, wash, H2S barriers if needed for equipment. Landowner issues, buried lines in pits, raptor nesting, critical location, check anchors. Check ID wellhead, determine if equipment is acceptable or obsolete and replace if necessary, if digging is required have One Call made 48 hours. Follow ground disturbance policy.
2. Perform second site visit, checking anchors and barriers if needed. Ensure lines are marked so that they clearly designate pit locations. Discuss and turnover handover sheet with

someone from operations team and wells team. LOTO all necessary equipment including but not limited to: meter run, automation, separator, and water line.

3. Hold pre-job safety meeting and discuss all JSA with everyone on location including discussions regarding well control issues that could arise. JSA should cover: Well control, heavy lifts, pinch points, location hazards, pressure hazards, proper PPE and 8 golden rules of safety/IFF. Make sure everyone has preformed their LOTO and knows they have the right to stop the job.
4. Move in and spot the necessary equipment and rig up the work over rig.
5. Slickline will perform their LOTO and JSA. RU slickline unit with a lubricator and BOP. Pressure test lubricator and BOP with wellbore pressure. Reference DWOP ADD 19, 20.2.2.
6. RIH and set **two** barriers for isolation in tubing string (**x-nipple @ 2641'** and **R-nipple @ 2646'**). If changes need to occur, contact engineer.
7. Rig down slickline unit. Request written documentation from Slickline Company concerning depths and equipment in hole.
8. Install double casing valves. Check casing pressure, intermediate and Bradenhead pressures. Record all pressures into DIMS.
9. Blow down well. Kill with water if needed.
10. ND Wellhead.
11. NU BOPS and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 200 psi above BHP (BHP expected to be around 350 psi (SICP = 350 psi)). Follow DWOP 20.1 & 20.2 –Pressure testing & pressure test of well control equipment.
12. Install tubing sub in top of hanger. Screw out the lock down pins (if available). Lubricate hanger out of wellbore. Install stripping rubber for tripping pipe.
13. POOH and stand back 2-3/8" tubing. **Tubing is landed @ 2656'**. Inspect tubing, if appears to be good, utilize the tubing as a workstring. **Contact Engineer**. Monitor flowing casing pressure with gauge (with casing flowing to blow tank) throughout workovers to ensure underbalanced well control tripping procedure. No plunger or stop is known to be in the wellbore.
14. TIH with workstring or existing tubing and set **7" CIBP @ 2539'**. Fill hole with fluid and pressure test casing. If no fluid or pressure loss is apparent, RU WL, pressure test lubricator and run CBL from **2539'** to **2144'** (TOL). Expect top of cement @ 2107' by calculations only (70% yield). RD WL.
15. RIH and mix correct batch of G-Class (Yield 1.15 cu ft/sk) cement to pump through workstring. Spot a cement plug from **2539'** (top of CIBP) to ~~2389'~~ **(150' plug)**. This ensures plug across FT formation.  
*2144'-Liner top to plug across shoe @ 2363'*  
$$\text{Annular Volume (7")} = 0.2148 \text{ cu ft/ft}$$
$$\text{Volume} = 0.2148 \text{ cu ft/ft} * 560 \text{ ft}$$
$$= 32.22 \text{ cu ft}$$
$$\text{Sks} = 32.22 / 1.15 = 28 \text{ sxs}$$

16. POOH with workstring. If casing does not have integrity, **WOC at least 4 hours to ensure hardening**, but check with Schlumberger regarding setting times based on BHT. RIH and tag Cement top. Ensure TOC @ 2389'. **If casing integrity is established and regulatory approves, skip #16 and move to Step 17.**

17. RIH to 700'. Mix correct batch of G-Class cement to pump and displace a 150' balance cement plug. This should ensure plug across Ojo Alamo.

$$\text{Annular Volume (9-5/8")} = 0.4418 \text{ cu ft/ft}$$

$$\begin{aligned}\text{Volume} &= 0.4418 \text{ cu ft/ft} \times 150 \text{ ft} \\ &= 66.27 \text{ cu ft}\end{aligned}$$

$$\text{Sxs} = 66.27 / 1.15 = 58 \text{ sxs}$$

BBLs to push down workstring for cement plug to achieve 550'

$$\text{Annular volume of workstring (2-3/8")} = 0.0387 \text{ bbl/ft}$$

$$\text{Height to achieve} = 550'$$

$$\text{Volume needed} = 3 \text{ bbls}$$

18. RU e-line unit and equalize and test lubricator with wellbore pressure.

19. RIH with Schlumberger 1.56 HSD 60 degree phase perf gun for the squeeze work at 4 shots/ft and perf 9-5/8" casing at 325'. POOH. Establish circulation from 325' to surface through 9-5/8" casing x 13-3/8" casing annulus.

20. RD e-line.

21. Tie into casing valve and pump and displace a 325' plug of class G cement (Yield 1.15 cu ft/sk) cement from 325' to surface both inside and outside of the 9-5/8" casing. This should put cement across surface casing show all the way to surface and in all annuli from 325' to surface. POOH

$$\text{Annular volume (9-5/8" by 13-3/8")} = 0.3765 \text{ cu ft/ft}$$

$$\begin{aligned}\text{Volume} &= 0.3765 \text{ cu ft/ft} \times 325 \text{ ft} \\ &= 122.36 \text{ cu ft}\end{aligned}$$

$$\text{Sxs} = 122.36 / 1.15 = 106 \text{ Sxs}$$

$$\text{Annular volume (9-5/8")} = 0.4418 \text{ cu ft/ft}$$

$$\begin{aligned}\text{Volume} &= .4418 \text{ cu ft/ft} \times 325 \text{ ft} \\ &= 143.58 \text{ cu ft}\end{aligned}$$

$$\text{Sxs} = 143.58 / 1.15 = 125 \text{ Sxs}$$

22. Perform underground disturbance and hot work permits. Cut off tree. **If cement cannot be seen on all annulus and casing strings remedial cementing will be required from surface.**

23. Install well marker and identification plate per NMOCD requirements.

24. RD and release all equipment. Remove all LOTO equipment.

25. Ensure all reports are loaded into DIMS. Print out summary of work and place in Well file. Notify Sherri Bradshaw (326-9260) of completed P&A and Cherry Hlava.

# Wood GC A1 - FT

- Sec 4, T31N, R10W

API # 30-045-25820

GR 5833'

## History

Completed in 1984

1984 rod up well

4/1994 - pulled pump full of mud, new pbtd

10/1984 squ'd liner

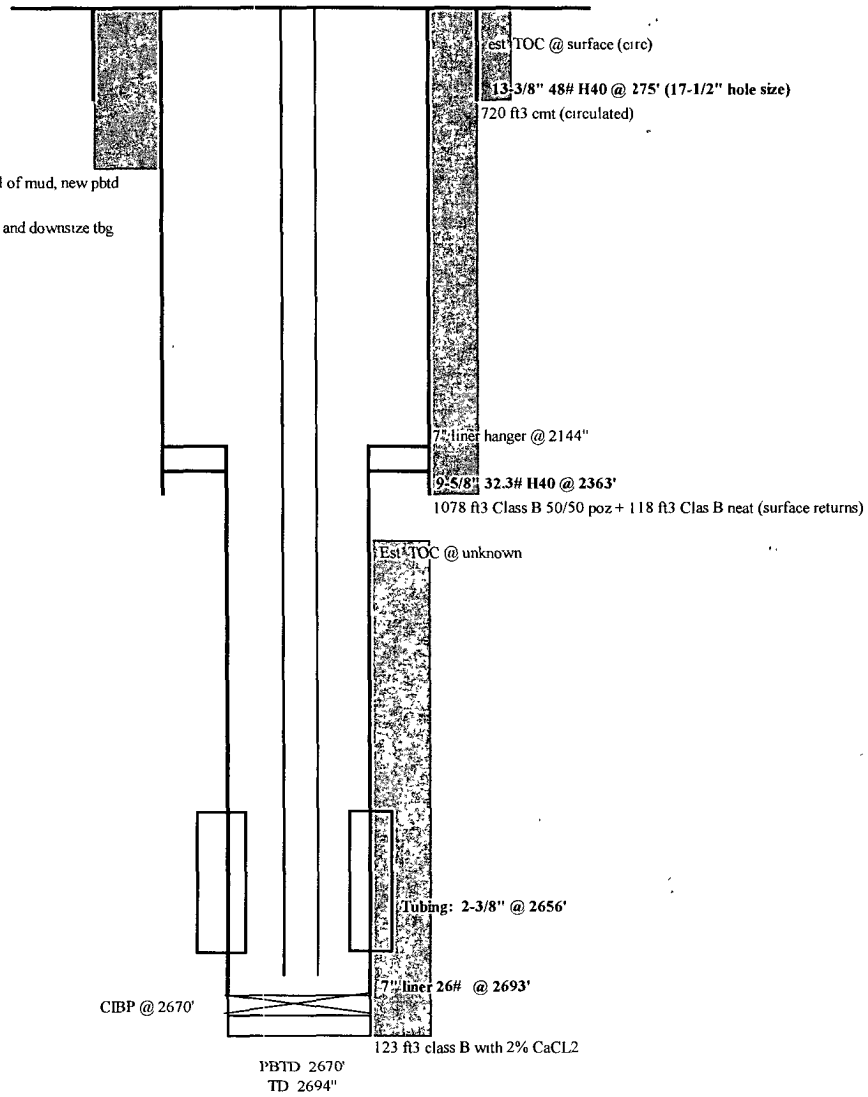
2005 workover- cleanout and downsize tbg

## HCO location

ESD valve

## ET

2589' - 2626'



## NOTES:

Originally completed with 2-7/8" tubing

## Formation Tops:

Ojo	790'
Kirtland	940'
PC	2632'
FT	2150'

updated 6/15/09 AH

# Proposed P&A diagram:

## Wood GC A1 - FT

Sec 4, T31N, R10W

API # 30-045-25820

GR 5833'

### History:

Compled in 1984

1984 rod up well

4/1994 - pulled pump full of mud, new pbtid

10/1984 squ'd liner

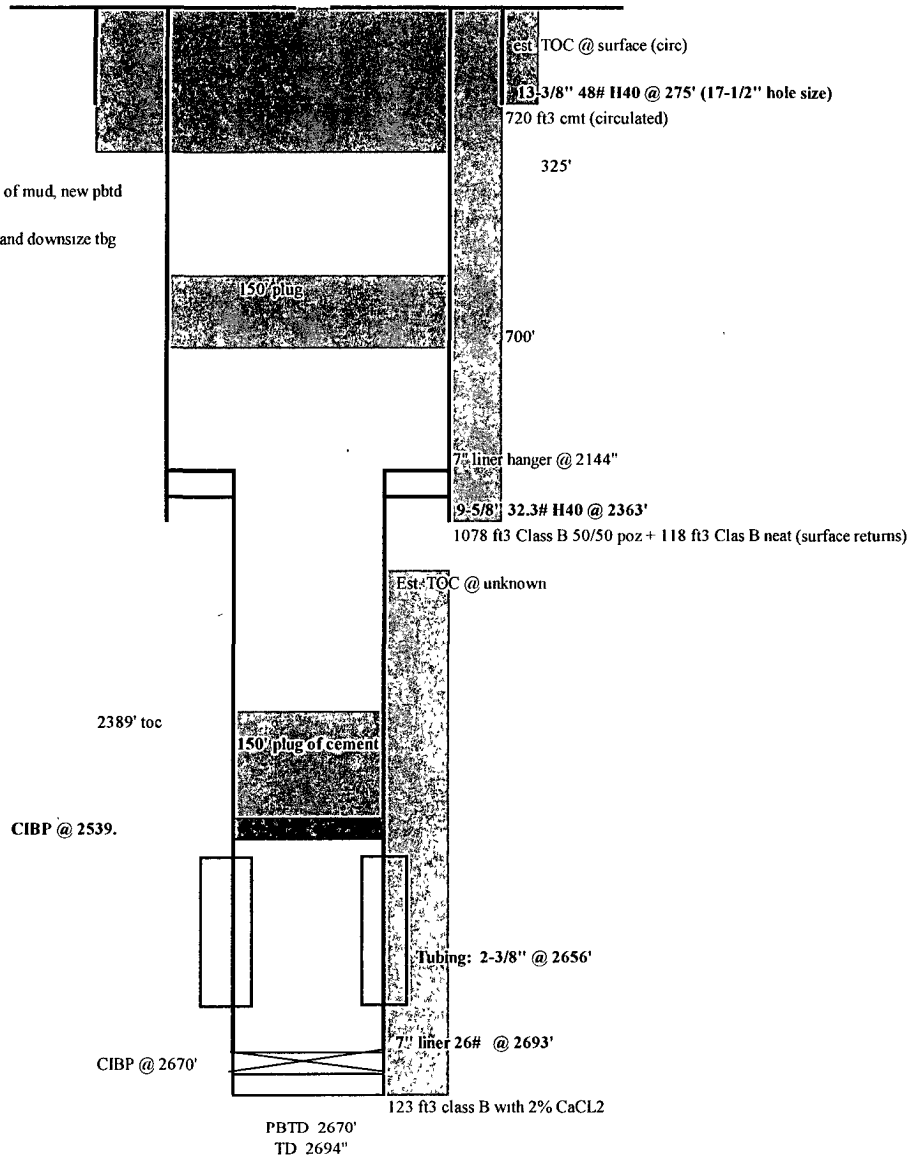
2005 workover- cleanout and downsize tbg

### HCO location

ESD valve

### FT

2589' - 2626'



### NOTES:

Originally completed with 2-7/8" tubing

### Formation Tops:

Ojo	790'
Kirtland	940'
FT	2150'
PC	2632'

updated 6/15/09 AH