

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  
Revised May 08, 2003

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

WELL API NO. <b>30-045-10151</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
Lease Name or Unit Agreement Name <b>Thurston LS</b>
Well Number <b>1</b>
9. OGRID Number <b>000778</b>
10. Pool name or Wildcat <b>Blanco Mesaverde</b>

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	
2. Name of Operator <b>BP America Production Company</b>	
3. Address of Operator <b>Attn: Mary Corley P.O. Box 3092 Houston, Texas 77253</b>	
4. Well Location Unit Letter <b>H</b> : <b>1750</b> feet from the <b>North</b> line and <b>990</b> feet from the <b>East</b> line Section <b>31</b> Township <b>31N</b> Range <b>11W</b> NMPM County <b>San Juan</b>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>5828'</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>P&amp;A Mesaverde &amp; T&amp;A wellbore</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.

**BP America respectfully requests permission to squeeze off the existing Mesaverde perms and Temporary Abandon the wellbore in order to hold the Basin Fruitland Coal for future evaluation.**

**Please see the attached procedure.**

*Give OGD 24 hr notice to witness.*

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

SIGNATURE Cherry Hlave TITLE Regulatory Analyst DATE 07/26/2006

Type or print name Cherry Hlave Telephone No. 281-366-4081

(This space for State use)

APPROVED BY H. Villanueva TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 43 DATE JUL 31 2006  
Conditions of approval, if any:

*B*

## SJ Basin Well Work Procedure

**Well Name:** Thurston LS 1-MV  
**Version:** 1.0  
**Date:** July 19, 2006  
**Repair Type:** P&A of the Mesaverda, T&A of the wellbore

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**Objective:** P&A of the MV formation and T&A of the wellbore. Well may have tubing anchor. Well has a high level of H<sub>2</sub>S. Please wear appropriate PPE and have chemical treatment ready.

1. TOH with completion.
2. T&A MV.

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**Pertinent Information:** Gas BTU content for this well is 1197 on 2/22/05; Sp gr. is 0.706. Venting and Flaring document needs to be followed if BTU content is above 950.

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Location:	T31N-R11W-Sec31	API #:	30-045-10151
County:	San Juan	Engr:	Anne Fickinger
State:	New Mexico	Meter # :	71511
Horizon:	MV		
CO <sub>2</sub> % :	0.959% (2/22/05)		
H <sub>2</sub> S% :	310 ppm (7/1/05) **		

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### Procedure:

1. Perform pre-rig site inspection. Check for: size of location, Gas Taps, other wells, other operators, running equipment, wetlands, wash (dikes req.), H<sub>2</sub>S, barriers needed for equipment, Landowner issues, location of pits (buried lines in pits), Raptor nesting, critical location, check anchors. Check ID wellhead; if earth pit is required have One Call made 48 hours prior to digging.
2. Perform second site visit after lines are marked to ensure all lines clear marked pit locations. Planning and scheduling to ready location for rig.
3. Check and record tubing, casing, and bradenhead pressures. Ensure production casing has double casing valves installed. Double valve all casing strings.
4. Pump biocide treatment down casing and shut in well (Contact Tony Snow with Baker Petrolite 215-0769).
5. **Notify BLM and NMOCD 24 hours prior to beginning operations.**  
Charlie Perrin (505) 334-6178 (ext 16).  
Steve Mason (505) 599-6364
6. MIRU workover rig. LOTO all necessary equipment including but not limited to: meter run, automation, separator, and water line
7. Blow down casing to pit or flowback tank. Pump tubing capacity plus 5 barrels of 2% KCL water to displace any potential condensate in tubing string.
8. Rig up water pump. Remove horsehead and test tubing.
9. Blow down well.

10. Rig down polish rod and trip out of hole
11. RU WL unit. Pressure test lubricator and equipment with shut-in wellhead gas pressure. TIH and set two barriers (profile plugs, CIBPs or G-packoffs) for isolation of tubing string and to comply with DWOP double barriers.
12. Kill with 2% KCL water only if necessary.
13. Check all casing strings to ensure no pressure exist on any annulus. **The operations of removal of wellhead and installation of BOP's will be performed under a dispensation for one (1) barrier on the backside**
14. Nipple down Wellhead. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 200 psi above BHP
15. Install stripping rubber, pull tubing hanger and shut pipe rams. Strip tubing hanger out of hole.
16. TOOH and LD 2-3/8" production tubing and BHA currently set at 4708'.
17. RIH with work string and set CIBP just above MV perforations +/- 3850' and place 200' cement plug on top of CIBP.
18. Load well with fluid. Pressure test casing. If casing doesn't test RIH with Retrievable plug and find hole in casing. Contact production engineer if squeezes are required.
19. TIH with 2-3/8" tubing. Reference "Under Balanced Well Control Tripping Procedure".
20. Land 2-3/8" production tubing at +/- 3000'. Lock down hanger.
21. Pressure test tubing to 500 psi with air unit, make sure tubing spool valves are open. Care should be taken during pressure testing of the tubing due to potential problem caused if tubing parts close to surface or above the hanger. Check all casing string for pressure. The operations of removal of BOP and installation of wellhead will be performed under a dispensation for one (1) barrier on the backside.
22. ND BOP's. NU Wellhead. During Master valve placement ensure the top of hanger has spacer nipple in place to bottom of bonnet flange so plunger equipment will not hang up through tree. Pressure test Wellhead if capable.
23. RU WL unit. Run gauge ring for 2-3/8" tubing. Pull plugs and set tubing stop for plunger. Communicate plunger equipment status to IC room personnel.
24. RD slickline unit.
25. Test well for air. Return well to production.
26. Ensure all reports are loaded into DIMS. Print out summary of work and place in Wellfile. Have discussion with production engineer/optimizer about particulars of well when handing off the well file.

# **Thurston LS #1**

T31N, R11W, Sec 31

API # 30-045-10151

GL: 5828'

## **HISTORY:**

12/1956: Completed MV

06/2003: Added Cliffhouse and Menefee

01/2005: Rod up

Squeeze hole @ 700' with 600 sxs cmt

TOC @ surface (circ)

\*Squeezed 5 times before pressure test passed

## **MESAVERDE:**

Cliffhouse and Menefee: 3851' - 4150'

(84,000 lbs sand)

Point Lookout: 4448' - 4731'

(60,000 lbs sand)

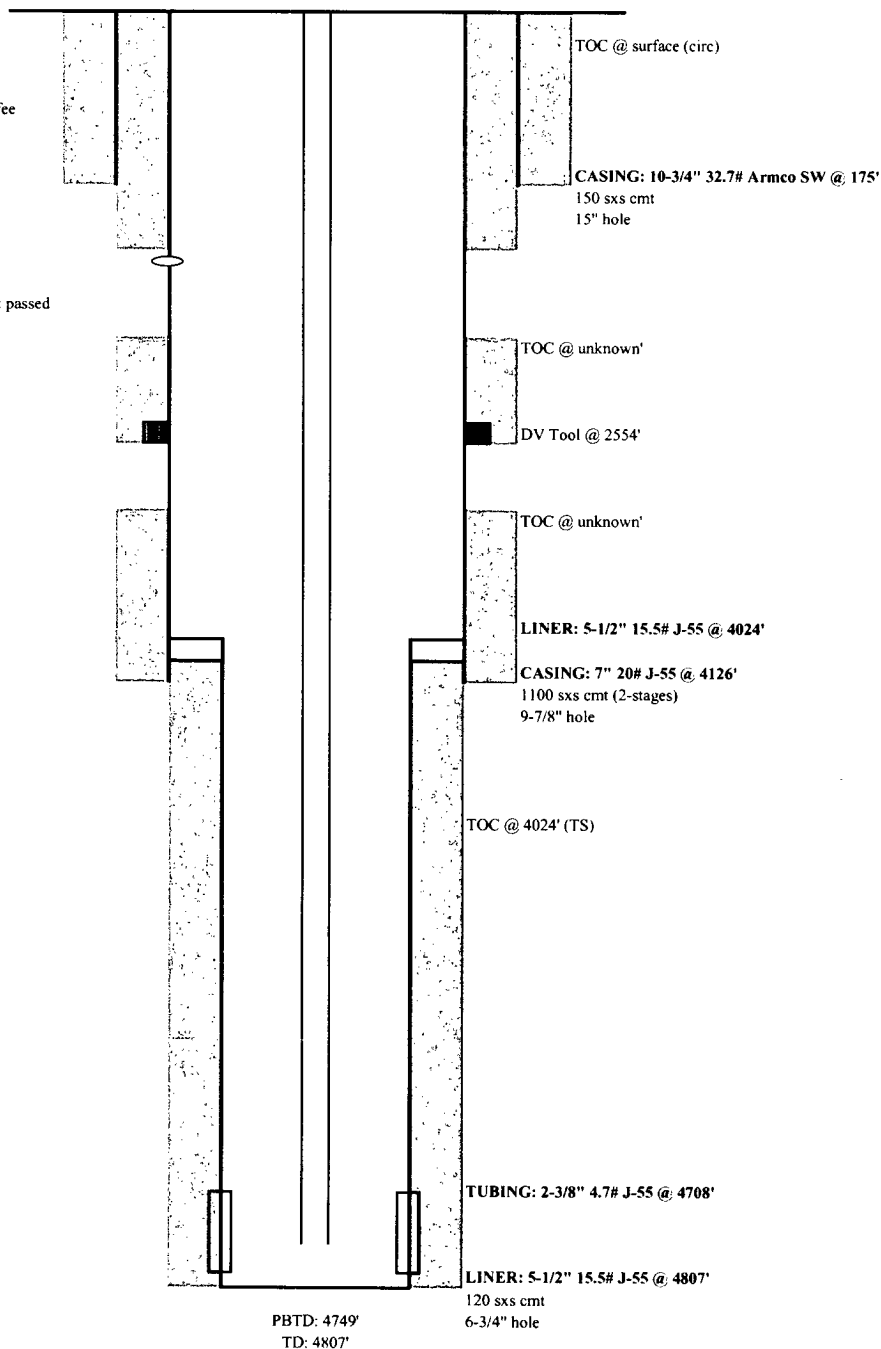
## **NOTES:**

Top of Pictured Cliffs @ 2305'

Top of Cliffhouse @ 3884'

Top of Menefee @ 4074'

Top of Point Lookout @ 4609'



Updated: 7/19/2006