

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANGEMENT

FORM APPROVED  
OMB No. 1004-0135

Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an Abandoned well. Use Form 3160-3 (APD) for such proposals.

2006 AUG 21 PM 4 37

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. <b>LUDWICK LS 11</b>
2. Name of Operator <b>BP America Production Company Attn: Kristina Hurts</b>		9. API Well No. <b>30-045-09389</b>
3a. Address <b>P.O. Box 3092 Houston, TX 77253</b>	3b. Phone No. (include area code) <b>281-366-3866</b>	10. Field and Pool, or Exploratory Area <b>PICTURE CLIFFS/MESAVERDE</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>990' FNL &amp; 1580' FEL Sec 19 T30N R10W</b>		11. County or Parish, State <b>San Juan County, New Mexico</b>

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OR NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Abandon
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Water Disposal	
	<input type="checkbox"/> Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Other	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

**BP America request permission to plug and abandon the subject well as per the attached procedure.**

14. I hereby certify that the foregoing is true and correct	
Name (Printed/typed) <b>KRISTINA HURTS</b>	Title <b>Regulatory Analyst</b>
Signature <i>Kristina Hurts</i>	Date <b>08/15/2006</b>

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by <b>Original Signed: Stephen Mason</b>	Title	Date <b>AUG 23 2006</b>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or Certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOC

*Handwritten mark*

## SJ Basin Well Work Procedure

**Well Name:** Ludwick LS 11  
**Date:** August 7, 2006  
**Repair Type:** P&A

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**Objective: P&A for wellbore.**

1. TOH with completion.
  2. Ensure wellbore is clean of obstructions.
  3. Pump cement plugs and remove wellhead.
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Location:	T30N-R10W-Sec19	API #:	30-045-09389
County:	San Juan		
State:	New Mexico		
Horizon:	PC/MV	Engr:	Keith Clopton
		Ph	(281) 366-1266
		Pgr:	713-612-1888
		Fax	(281) 366-0700

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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.), H2S, 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. RU slickline unit or wireline unit. Pressure test lubricator and equipment. RIH and set **two** barriers (CIBP, tbg collar stop w/plug, or plug set in nipple) for isolation in tubing string. If barriers cannot be set in 1-1/4" tubing a variance will need to be obtained.
4. Check and record tubing, casing, and bradenhead pressures. Ensure production casing has double casing valves installed. Double valve all casing strings.
5. Notify BLM and NMOCD 24 hours prior to beginning operations.
6. Blow down well. Pump tubing capacity plus 5 barrels of 2% KCL water to displace any potential condensate in tubing string and to push the H2S gas back into formation. Pump down casing until H2S reading is zero. H2S gas could be trapped under the packer so arrangements should be made to address trapped H2S gas when pulling the packer free. Pump small H2S treatment to ensure no H2S is present during P&A operations.

7. MIRU workover rig. LOTO all necessary equipment including but not limited to: meter run, automation, separator, and water line.
8. 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.**
9. 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. This is a P&A so the well should be kept dead through-out the procedure. **NOTE: found in wellfile that flange on top of tubing hanger was noted to be a CAM # 98174 Dual top.**
10. Install stripping rubber, pull tubing hanger and shut pipe rams. Strip 1-1/4" tubing hanger out of hole. **Note: Noticed in well file they noted that tubing has beveled collars.**
11. TOOH and LD 1-1/4" production tubing currently set at 2887'.
12. Install stripping rubber, pull tubing hanger and shut pipe rams. Strip 2-3/8" tubing hanger out of hole. **Note: Noticed in well file they noted that tubing has turned down N-80 collars above the packer.**
13. Pull and release tubing from packer (Baker notes that this is suspected to be an anchor type seal, rotate to right to release). TOOH and LD 2-3/8" production tubing currently set at 2991' (packer depth). Well has a Model D packer in the tubing string at 2991'. RIH with work string to wash fill off of packer (if needed), POOH. RIH to mill over packer. POOH with packer and tubing (EOT at 5192'). It is suspected that packer has no mill out extension.
14. TIH with bit and scraper for 4-1/2" casing to top of MV perms at 4780' with approved barrier. Check the distance between the top of the blind rams and the length of the bottomhole assembly that is being run. If the BHA is too long then the well has to be top killed and monitored prior to opening blind rams. Work casing scraper down to just above old Mesaverde perforations (4780' – 5226'). POOH.
15. RIH with workstring and set CIBP just above MV perforations +/- 4750'. Load well with fluid to bottom of PC formation. Shoot or tag fluid level to determine displacement for balanced plug in un-unbalanced wellbore. Pump and displace 200' plug on top of CIBP (+/- 4750). This should P&A the MV formation.
16. Pull up hole to 75' below 5-1/2" liner top. Pump and displace cement plug from 75' below liner top to 75' above liner top. POOH. *Bring the top of cement to 4441' → Plug Check from 3662' - 3562' inside a outside 9" casing.*
17. TIH with bit and scraper for 7" casing to top of PC perms at 2822' with approved barrier. Check the distance between the top of the blind rams and the length of the bottomhole assembly that is being run. If the BHA is too long then the well has to be top killed and monitored prior to opening blind rams. Work casing scraper down to just above old Pictured Cliffs perforations (2822' – 2882'). POOH.

18. RIH with workstring and set CIBP just above PC perforations +/- 2770'. Load well with fluid. Pressure test casing. If casing does not pressure test contact Production Engineer to discuss squeeze procedure. Pump and displace 400' plug on top of CIBP (+/- 2770). This should P&A the PC and FC formations. POOH.
19. RU e-line unit. RIH and perf 7" casing at 1650' POOH. TIH with workstring to 1650'. Pump and displace a 300' plug from 1650' to 1350' inside 7" casing and out side 7" casing. This should put cement across the Ojo Alamo.
20. POOH. RIH and perforate 7" casing at 223'. Establish circulation from 223' to surface through 7"X 9-5/8" casing annulus. Pump and displace a 223' plug from 223' to surface both inside and outside of 7" casing. This should put cement across surface casing shoe all the way to surface.
21. Perform underground disturbance and hot work permits. Cut off tree.
22. If cement cannot be seen on all annulus and casing strings remedial cementing will be required from surface.
23. Install 4' 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 Wellfile. Notify Sherri Bradshaw of completed P&A.