

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0135RCVD DEC 05 06  
BILL CONS. DIV.  
DIST. 3

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 DEC 7 AM 9 40

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

5. Lease Serial No.	<b>NMSF-078194</b>
6. If Indian, Allottee or tribe Name	
7. Unit or CA/Agreement, Name and/or No.	
8. Well Name and No.	<b>LUDWICK LS 11</b>
9. API Well No.	<b>30-045-09389</b>
10. Field and Pool, or Exploratory Area	<b>PICTURE CLIFFS &amp; MESAVERDE</b>
11. County or Parish, State	<b>San Juan County, New Mexico</b>

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator <b>BP America Production Company Attn: Cherry Hlava</b>	
3a. Address <b>P.O. Box 3092 Houston, TX 77253</b>	3b. Phone No. (include area code) <b>281-366-4081</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>990' FNL &amp; 1580' FEL Sec 19 T30N R10W</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 recomplate 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 recompletion 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 requested permission to plug and abandon the subject well 8/15/06. Approval was granted 8/20/06. P&A was attempted in Oct. 2006 but due to safety issues (see previously submitted and approved sundry notice) the plugging was put off for further evaluation.

There is an old packer seal assembly in the hole at original packer setting of 3012'. Well is an H2S well therefore will require safety alliance on location

Please see the attached revised P&A procedure. Should you have any questions please contact Anne Fickinger @326-9249

14. I hereby certify that the foregoing is true and correct			
Name (Printed/typed)	<b>Cherry Hlava</b>	Title	<b>Regulatory Analyst</b>
Signature	<i>Cherry Hlava</i>	Date	<b>12/06/2006</b>
<b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>			
Approved by	<b>Original Signed: Stephen Mason</b>	Title	Date <b>DEC 07 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.			

NMOCD

## San Juan Basin P&A Procedure

**Well Name:** Ludwick LS 11 – PC/MV

**Version:** 2.0

**Date:** November 20, 2006

**Repair Type:** P&A

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### **Objective: P&A of wellbore.**

1. CTU to clean tubing
2. CTU to pump cement open ended to plug MV formation – should stop flow
3. TOH with 1-1/4" completion.
4. Cut 2-3/8" completion below PC formation. Run Casing scraper
5. 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: Anne Fickinger
CO2:	0.541	ph (505) 326-9483
H2S:	100 to 17 ppm	mobile: 505-486-9249

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**There is an old packer seal assembly still in hole at original packer setting of 3012'. Well is an H2S well so will require safety alliance on location.**

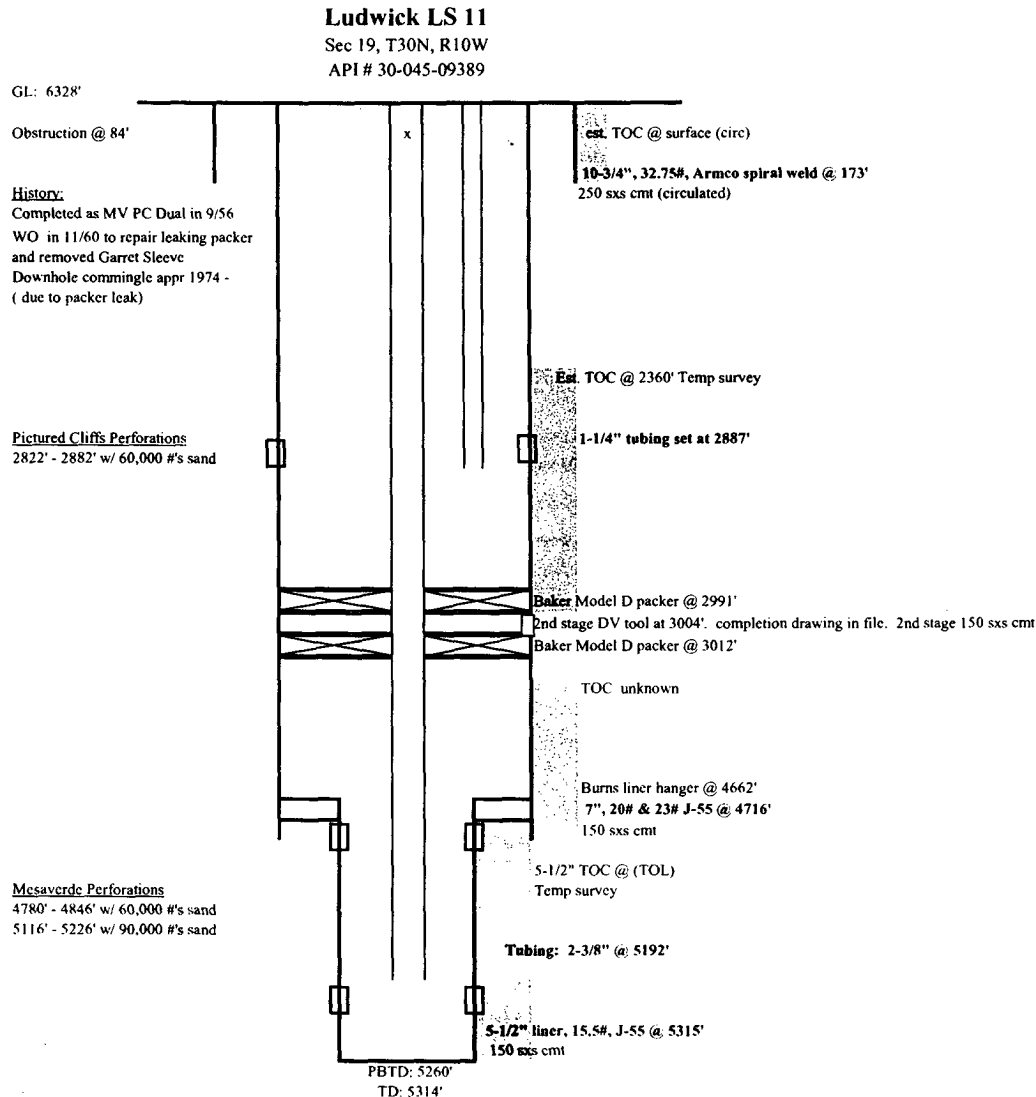
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### **Procedure:**

1. NU CTU BOPs and pressure test the BOPs.
2. RIH with motor and mill to clean out 2-3/8" tubing down to EOT (5192'). Note: could only get down to 84' last rig up with 1.5" sinker bars.
3. RU slickline, pressure test lubricator and equipment, and run gauge ring run. RU e-line and pressure test lubricator and equipment. RIH EZSV on e-line. **Set EZSV at +/- 4441'** (not in a collar).
4. RU coil tubing unit. RIH with seal stinger to sting into EZSV at +/- 4441'. Once inside EZSV establish circulation rate of 1 bbl in = 1 bbl out. **Pump and Displace** cement volume to fill tubing and annulus (5-1/2" x 2-3/8") from 4441' to PBTD. Pump and Displace cement to fill EOT tubing from 5192' to 4441'. Pull out of EZSV and circulate clean. Circulate while POOH and maintain constant backpressure on the well as the well pressure to ensure no cement movement. Ensure tubing is clean of cement. This should stop the fluid flow from MV perforations.
5. WOC. Open well to ensure water flow has been shut off.

6. RU slickline, pressure test lubricator and equipment, and run gauge ring run. RU e-line and pressure test lubricator and equipment.
7. RIH with 1-11/16" hollow carrier **perforator**. A hollow carrier needs to be run so no gun debris is left in the tubing that could possibly stick the coil tubing. **Perforate the tubing and casing at 3662'**. POOH
8. RIH with EZSV for 2-3/8" tubing. **Set EZSV at +/- 3500'** (not in a collar). Depth correlation should be good and tied-in to perforating run.
9. RU coil tubing unit. RIH with seal stinger to sting into EZSV at +/- 3500'. Once inside EZSV establish injection rate into formation and ensure backside (2-3/8"x 7") is full of water. **Pump and Displace** cement volume to fill annulus (7" x 8-3/4" hole") from 3662' to 3562'. Open casing valve (maintain balance) and Pump and Displace cement volume to fill tubing and casing annulus (7" x 2-3/8") from 3662' to 3562'. Pump and displace cement to fill tubing 3662' to 3500'. Shut in casing valve and pull out of EZSV and circulate clean. Circulate while POOH with coil tubing to ensure tubing is clean of cement. WOC.
10. RU slickline, pressure test lubricator and equipment, and run gauge ring run to 2882'.
11. RD Coil tubing unit. RU workover rig. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 200 psi above BHP. **NOTE: found in wellfile that flange on top of tubing hanger was noted to be CAM #98174 Dual top.**
12. Install stripping rubber, pull tubing hanger and shut pipe rams. Strip tubing hanger out of hole.
13. TOOH and LD 1-1/4" production tubing currently set at **2887'**. **NOTE: Noticed in well file they noted that tubing has turned down N-80 collars above packer.**
14. RU and pressure test E-line equipment and lubricator. RIH with tubing cutter and cut tubing at +/- **2882'**. POOH. Pull 2-3/8" tubing out of hole. **NOTE: Noticed in well file they noted that tubing has turned down N-80 collars above packer.**
15. 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.
16. 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.
17. POOH. RIH and perforate 7" casing at 223'. Establish circulation from 223' to surface through 7"X 8-3/4" 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.

18. Perform underground disturbance and hot work permits. Cut off tree.
19. If cement cannot be seen on all annulus and casing strings remedial cementing will be required from surface.
20. Install 4' well marker and identification plate per NMOCD requirements.



updated: 12/4/06 AF

**PROPOSED**  
**Ludwick LS 11**  
 Sec 19, T30N, R10W  
 API # 30-045-09389

