

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**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.**

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

5. Lease Serial No.  
NMSF078194

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

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

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.  
LUDWICK LS 12

2. Name of Operator  
BP AMERICA PRODUCTION CO

Contact: MARY CORLEY  
E-Mail: corleyml@bp.com

9. API Well No.  
30-045-09293-00-S1

3a. Address  
P. O. BOX 3092  
HOUSTON, TX 77253

3b. Phone No. (include area code)  
Ph: 281.366.4491  
Fx: 281.366.0700

10. Field and Pool, or Exploratory  
BLANCO MESAVERDE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 19 T30N R10W SESW 0990FSL 1550FWL  
36.79265 N Lat, 107.92804 W Lon

11. County or Parish, and State

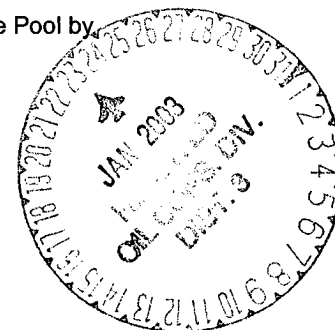
SAN JUAN COUNTY, NM

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF 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 checked="" type="checkbox"/> Other Workover Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recompleat 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 recompleat 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 Production Company respectfully request permission to Add Pay in the Mesaverde Pool by perforating and fracture stimulating the Menefee formation as per the attached procedure.



14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #16647 verified by the BLM Well Information System  
For BP AMERICA PRODUCTION CO, sent to the Farmington  
Committed to AFMSS for processing by Jim Lovato on 01/21/2003 (03JXL0038SE)**

Name (Printed/Typed) MARY CORLEY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 12/05/2002

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

Approved By JIM LOVATO

Title PETROLEUM ENGINEER

Date 01/21/2003

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 Farmington

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.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

NMOCD

## Ludwick LS 012 Payadd Procedure

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### Procedure:

1. Check anchors. MIRU workover rig.
2. Check and record tubing, casing, and bradenhead pressures.
3. Blow down well. Kill with 2% KCL water ONLY if necessary.
4. Nipple down WH. NU BOPs.
5. Tag for fill and tally OH with 2-3/8" production tubing currently set at 5072'.
6. RU WL unit. Run GR log across Menefee and Lewis Shale from 3300' – 4900' to select perforations.
7. TIH with bit and scraper for 4-1/2" casing to 4860'.
8. RU WL unit. RIH with 4-1/2" CIBP. Set CIBP at 4830'. Test casing to 2500 psi.
9. RIH with 3-1/8" casing guns with Schlumberger's Prospector, select-fire charge. Perforate Menefee formation (correlate to GR log).

### Menefee perforations, 2 spf :

To be determined

10. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule.
11. Flowback frac immediately.
12. TIH with tubing and bit. Cleanout fill to PBTD at 5100'. Blow well dry at PBTD.
19. Rabbit tubing and RIH with 2-3/8" production tubing.
20. Land 2-3/8" production tubing at 5000'.
21. ND BOP's. NU WH. Test well for air. Return well to production.

# Ludwick LS 012

Sec 19, T30N, R10W

API #: 30-04509293

GL: 6215'

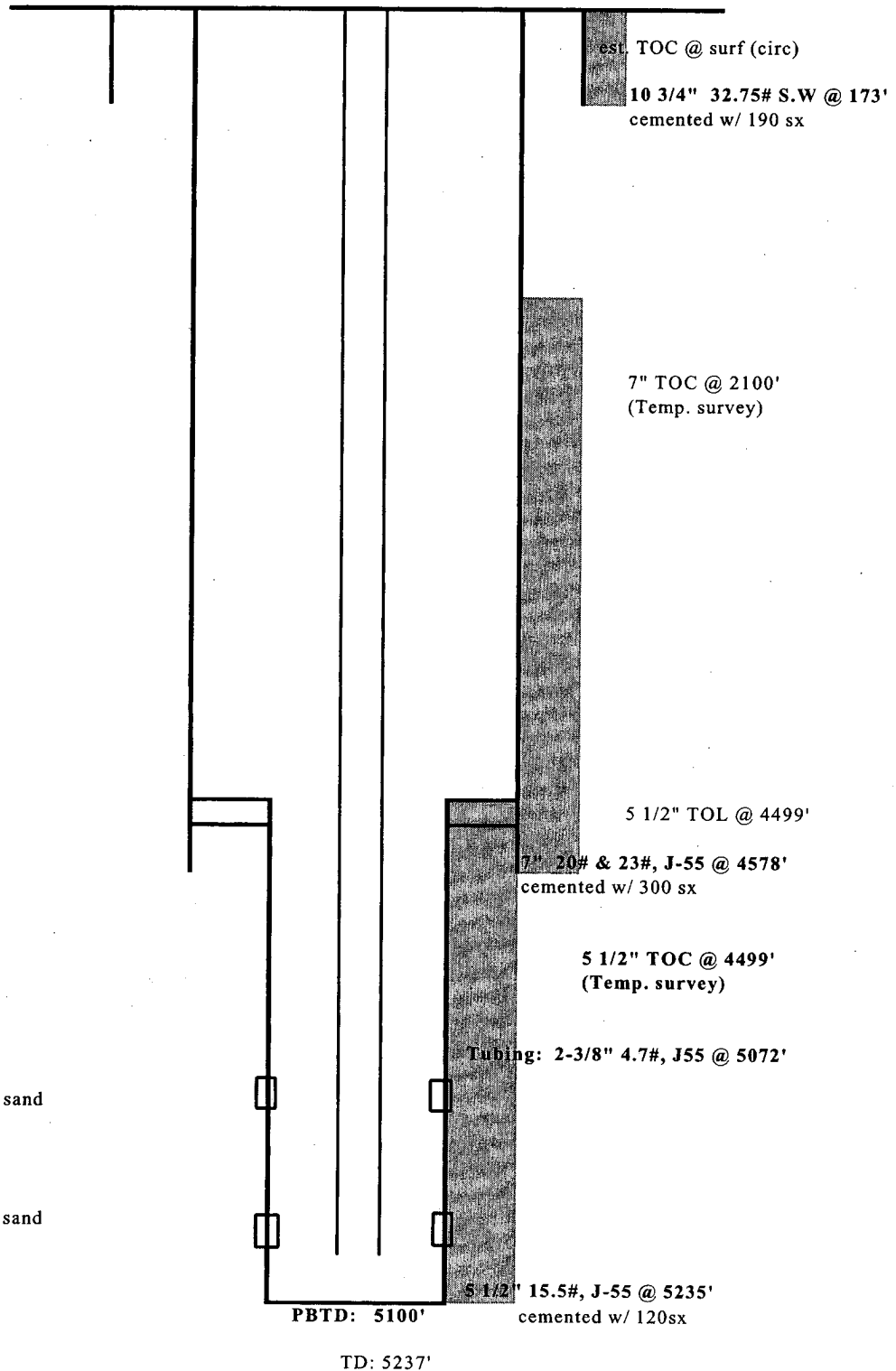
## History:

- Drilled & completed in 1956

## MV perforations

4866' - 4961', frac'd w/ 50,000# sand

5000' - 5068', frac'd w/ 80,000# sand



updated: 10/15/02 az