

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

JUL 14 2014

**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.*

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

5. Lease Serial No. NMSF078194
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No. LUDWICK LS 15
9. API Well No. 30-045-09383-00-C1
10. Field and Pool, or Exploratory BASIN DAKOTA BLANCO MESAVERDE
11. County or Parish, and State SAN JUAN COUNTY, NM

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator BP AMERICA PRODUCTION CO. Contact: TOYA COLVIN E-Mail: Toya.Colvin@bp.com	
3a. Address 501 WESTLAKE PARK BLVD. RM 4.423B HOUSTON, TX 77079	3b. Phone No. (include area code) Ph: 281-366-7148
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T30N R10W NENE 0990FNL 0950FEL 36.801650 N Lat, 107.919070 W Lon	

**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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" 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 recompleate 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 recompleation 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 finds no further potential in the subject well and respectfully requests to plug the entire wellbore.

Please see attached revised P&A procedure and Reclamation Plans

In accordance with NMOCD Pit Rule 19.15.17.9 NMAC, BP America Production Company will use a closed-loop system during P&A operations.

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

Notify NMOCD 24 hrs  
prior to beginning  
operations

**BLM'S APPROVAL OR ACCEPTANCE OF THIS  
ACTION DOES NOT RELIEVE THE LESSEE AND  
OPERATOR FROM OBTAINING ANY OTHER  
AUTHORIZATION REQUIRED FOR OPERATIONS  
ON FEDERAL AND INDIAN LANDS**

OIL CONS. DIV DIST. 3  
JUL 18 2014

14. I hereby certify that the foregoing is true and correct. Electronic Submission #252813 verified by the BLM Well Information System For BP AMERICA PRODUCTION CO., sent to the Farmington Committed to AFMSS for processing by TROY SALYERS on 07/16/2014 (14TLS0327SE)	
Name (Printed/Typed) TOYA COLVIN	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 07/14/2014

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

Approved By TROY SALYERS	Title PETROLEUM ENGINEER	Date 07/16/2014
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.

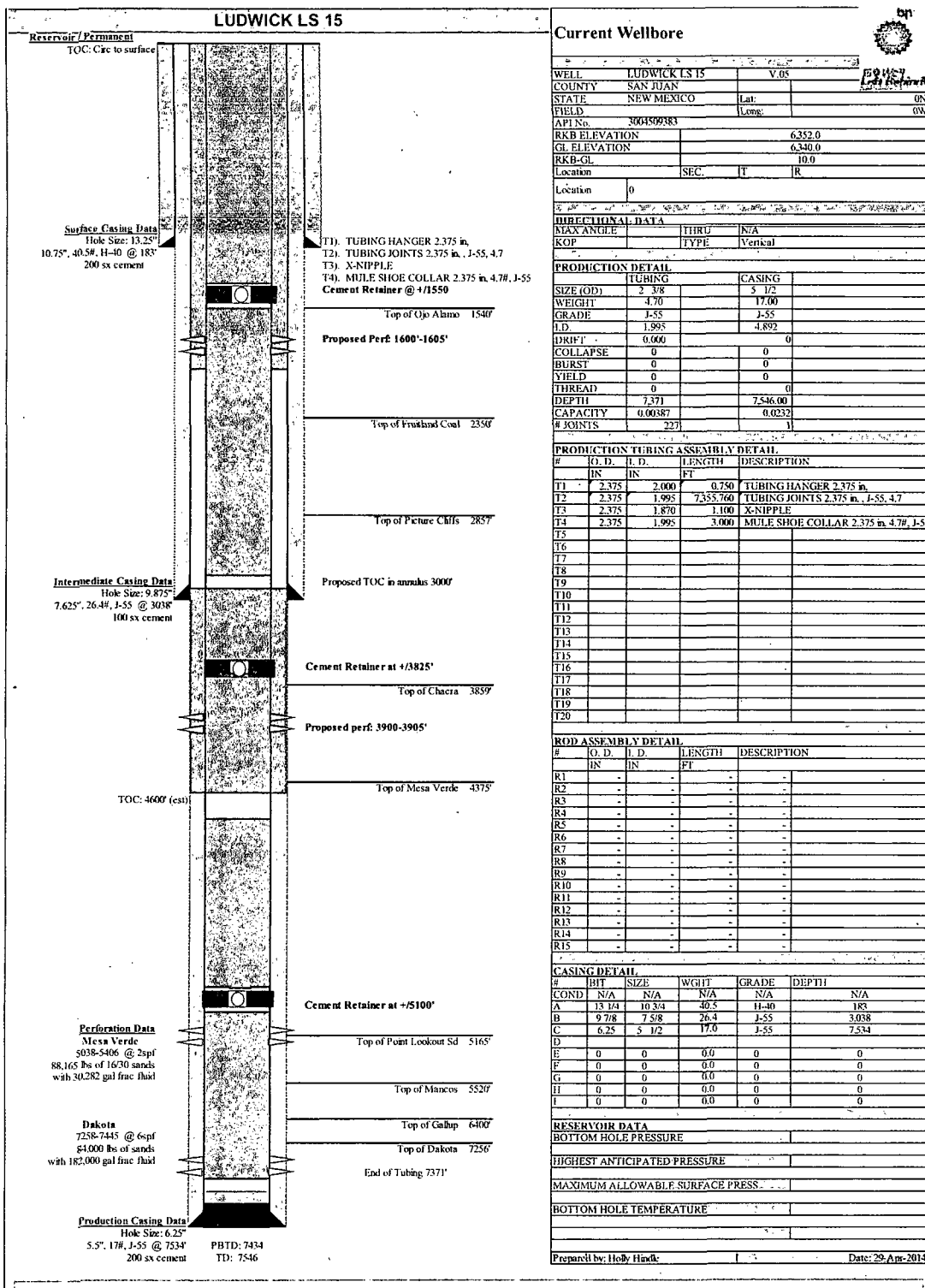
**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

NMOCD AV

Ludwick LS 015-MV/DK  
API: 30-045-09383-00  
San Juan County, New Mexico  
Well Flac: 98028303

1. POOH with 2-3/8" 4.7 lb/ft tubing
2. RIH with 5-1/2" 17.0 lb/ft Bit and scraper to 7000'
3. RIH with cement retainer and set at 5100'
4. Sting into cement retainer and mix and pump 276 sks (56 bbls) of class G cement plus additives.
5. Un-sting from cement retainer and PU.
6. Balance 600 ft cement plug on top of retainer with 57 sks (11.6 bbls) class G cement plus additives. TOC 4500 ft. (See COA)
7. RIH on wireline and run radial CBL from 4500' to surface. POOH
8. RIH with wireline and perforate 3900' to 3905'. POOH
9. RIH with cement retainer and set at 3825'
10. Sting into cement retainer and establish injectivity
11. Mix and pump 112 sks (23 bbls) of class G cement plus additives below the retainer and the casing annulus to 3000'.
12. Un-sting from cement retainer and Balance 825 ft cement plug on top of retainer to 3000' (See COA) with 93 sks (19.1 bbls) class G cement plus additives. TOC 3000 ft inside 5-1/2" casing.
13. RIH with wireline and perforate 1600-1605'. POOH
14. RIH with cement retainer and set at 1500'
15. Sting into cement retainer and establish injectivity
16. While stung into retainer, mix and squeeze 240 sks (49 bbls) of class G cement plus additives below the retainer and the 5-1/2" X 7-5/8" casing annulus to surface'.
17. Balance 1500 ft cement plug on top of retainer to surface' with 170 sks (35 bbls) class G cement plus additives. TOC surface inside 5-1/2" casing
18. Cut well head and weld plate with maker and P&A information

# PROPOSED P&A WELLBORE DIAGRAM



Wellbore

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
6251 COLLEGE BLVD.  
FARMINGTON, NEW MEXICO 87402

Attachment to notice of  
Intention to Abandon:

Re: Permanent Abandonment  
Well: Ludwick LS #15

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.
3. The following modifications to your plugging program are to be made:
4. Bring the top of plug #1, above CR set at 5100 ft., to 4438 ft. to cover the top of the Cliffhouse formation. Adjust cement volume accordingly.
5. Bring the top of plug #2, above CR set at 3825 ft., to 2988 ft. inside/outside to cover the Chacra formation and 7.625" intermediate casing shoe. Adjust cement volume accordingly.

Operator will run to run a CBL from +/- 4438 ft. to surface. Outside plugs will be modified per CBL result. Submit electronic copy of the log for verification to the following BLM address: [tsalyers@blm.gov](mailto:tsalyers@blm.gov)

Very high concentrations of H<sub>2</sub>S (800ppm STV) were encountered in the PC fm. during P&A operations at the Ludwick LS #11 well (located in the NWNE/4 sec. 19-30N-10W). The subject well directly off-sets this location to the east. In addition, very high concentrations of H<sub>2</sub>S (1500 ppm GSV) have also been reported from the Dakota and Mesaverde fms. at the NYE SRC #14 well (NWSE/4 sec. 13-30N-10W). Therefore, H<sub>2</sub>S monitoring and safety equipment must be on location during the P&A operations at this wellsite.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.