

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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.

5. Lease Serial No.
NMSF078416A

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

8. Well Name and No.
HARDIE LS 11

9. API Well No.
30-045-21086-00-S1

10. Field and Pool or Exploratory Area
BLANCO PICTURED CLIFFS

11. County or Parish, State
SAN JUAN COUNTY, NM

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

2. Name of Operator
BP AMERICA PRODUCTION COMPANY
Contact: TOYA COLVIN
Email: Toya.Colvin@bp.com

3a. Address
501 WESTLAKE PARK BLVD. THREE ELDRIDGE PLACE
HOUSTON, TX 77079

3b. Phone No. (include area code)
Ph: 281.892.5369

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 25 T29N R8W NENW 0970FNL 1500FWL
36.701294 N Lat, 107.631317 W Lon

12. CHECK THE 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"/> Hydraulic Fracturing	<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 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must 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 requests to P&A the subject well. Please see the attached P&A procedure, wellbore diagram, and the BLM required reclamation plan documents.

In accordance with NMOCD Pit Rule 19.15.17.9 NMAC, BP will use a closed-loop system during operations.

**Notify NMOCD 24 hrs
prior to beginning
operations**

NMOCD

JUN 11 2018

DISTRICT III

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

Electronic Submission #414008 verified by the BLM Well Information System
For BP AMERICA PRODUCTION COMPANY, sent to the Farmington
Committed to AFMSS for processing by JACK SAVAGE on 05/22/2018 (18JWS0133SE)

Name (Printed/Typed) TOYA COLVIN

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 04/23/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By JACK SAVAGE

Title PETROLEUM ENGINEER

Date 05/22/2018

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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

NMOCD

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Hardie #11 **Proposed P&A**

Blanco Pictured Cliffs Ext.

970' FNL, 1500' FWL, Section 25, T-29-N, R-8-W

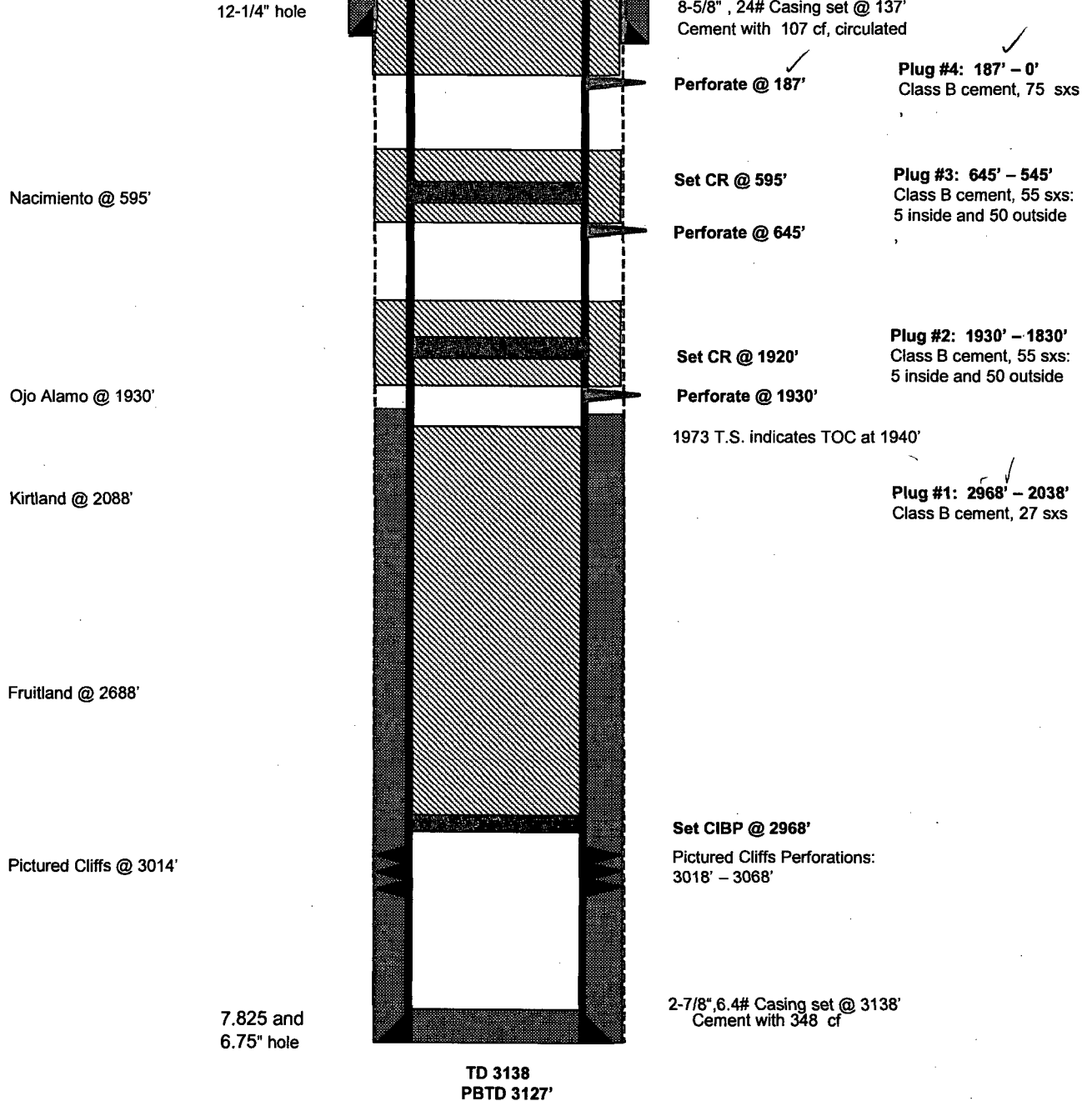
San Juan County, NM, API #30-045-21086

Today's Date: 11/30/17

Spud: 1/4/73

Completed: 5/14/73

Elevation: 6379' GI



PLUG AND ABANDONMENT PROCEDURE

November 30, 2017

Hardie LS #11

Blanco Pictured Cliffs Ext.

970' FNL and 1500' FWL, Section 25, T29N, R8W

San Juan County, New Mexico API 30-045-21086

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
2. Rods: Yes ☐, No ☒, Unknown ☐.
Tubing: Yes ☐, No ☒, Unknown ☐, Size , Length .
Packer: Yes ☐, No ☒, Unknown ☐, Type .

Note: PU 2968' of tubing workstring.

BLM requires a CBL log to be run on all wells where the cement did not circulate to surface or where a CBL log was not previously run. This procedure is prepared with the understanding that it may be modified based on the TOC from the CBL.

3. **Plug #1 (Pictured Cliffs interval and Fruitland, Kirtland tops, 2968' – 2038')**: Round trip gauge ring to 2968' or as deep as possible. Set 2-7/8" wireline CIBP at 2968' PU tubing workstring and tag CIBP. Pressure test casing to 800#. If casing does not test then spot or tag subsequent plugs as appropriate. Mix 27 sxs Class B cement above CIBP to cover the PC interval and Fruitland, Kirtland tops. TOH.
4. **Plug #2 (Ojo Alamo top, 1930' – 1830')**: Perforate 3 squeeze holes at 1930'. Establish injection rate if casing tested. Set CR at 1920'. Mix and pump 55 sxs Class B cement, squeeze 50 sxs outside and 5 sxs inside to cover the OA top. TOH with tubing.
5. **Plug #3 (Nacimiento top, 645' – 545')**: Perforate 3 squeeze holes at 545'. Establish injection rate if casing tested. Set CR at 595'. Mix and pump 55 sxs Class B cement, squeeze 50 sxs outside and 5 sxs inside to cover the Nacimiento top. TOH with tubing.
6. **Plug #4 (8-5/8" casing shoe, 187' – 0')**: Perforate squeeze holes at 187'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 75 sxs cement and pump down the 2.875" casing to circulate good cement out bradenhead. Shut in well and WOC.

7. ND cementing valves and cut off wellhead. Fill annuli with cement as necessary. Install P&A marker to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. RD, MOL and cut off anchors. Restore location per BLM stipulations

**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: Hardie LS #11

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.

1. Set Plug #1 from (2968' - 1988') to cover the top the Oja Alamo Formation. BLM picks the top of the Ojo Alamo formation at 2038' ft.
2. Set Plug #3 from (733' - 633') to cover the Nacimiento formation tops. BLM picks the Nacimiento formation tops at 683' ft.

Operator will run a CBL to verify cement top. Submit the electronic copy of the log for verification to the following addresses: aelmadani@blm.gov, brandon.powell@state.nm.us jwsavage@blm.gov

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.