

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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.

SF 078194

6. If Indian, Allottee or in the Name

RECEIVED

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

JAN 07 2009
Bureau of Land Management
Farmington Field Office

8. Well Name and No.

Ludwick LS 3

9. API Well No.

30-045-09120

10. Field and Pool, or Exploratory Area

Aztec Pictured Cliffs

11. County or Parish, State

San Juan, New Mexico

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

BP America Production Company Attn: Cherry Hlava

3a. Address

P.O. Box 3092 Houston, TX 77253

3b. Phone No. (include area code)

281-366-4081

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

990 FSL & 1750 FEL Sec 29 T30N R10W SWSE

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

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Deepen

☐ Production (Start/Resume)

☐ Water shut-Off

☐ Alter Casing

☐ Fracture Treat

☐ Reclamation

☐ Well Integrity

☐ Casing Repair

☐ New Construction

☐ Recomplete

☐ Other

☐ Change Plans

☒ Plug and Abandon

☐ Water Disposal

☐ Convert to Injection

☐ Plug Back

RCVD JAN 12 '09

OIL CONS. DIV.

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.

COMPLIANCE WELL

The Pictured Cliffs was completed open-hole with cable tools. 1" tubing was set in the open-hole portion, but has never been pulled. Currently, the well is not producing and is in need of a cleanout. With the current completion and open-hole section, cleanout operations could become very expensive and would not be supported by economics. If any problems are encountered during the cleanout or costs are escalating, the decision will be made to plug the well.

The well may be plugged temporarily if BP has rights to the Fruitland Coal (title work is currently underway)

Please see attached procedure.

14 I hereby certify that the foregoing is true and correct
Name (Printed/typed)

Cherry Hlava

Title Regulatory Analyst

Signature *Cherry Hlava*

Date 01/06/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

JAN 02 2009

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.

~ note changes ~

NMOCB 8/15

SJ Basin Regulatory Conditional P&A Procedure

Ludwick LS 3

Well Info:

Well Name: Ludwick LS 3
API: 30-045- 09120
Formation: Aztec Pictured Cliffs
Location: (Unit "O") Section 29, T30N, R10W, San Juan County, New Mexico

BP Contact Engineer:

Matthew Mientka
(Office): 281-366-5721

History:

Well was completed with 5 1/2" casing to the top of the Pictured Cliffs in 1955. The Pictured Cliffs interval was completed open-hole with cable tools. 1" tubing was set in the open-hole portion, but has never been pulled. Currently, the well is not producing and is in need of a cleanout. With the current completion and open-hole section, cleanout operations could become very expensive and would not be supported by economics. If any problems are encountered during the cleanout or costs are escalating, the decision will be made to plug the well. The well may be plugged temporally if BP has rights to the Fruitland (title work is currently underway).

Procedure:

1. Contact BLM and NMOCD 24 hrs before beginning P&A process to ensure scheduling of personnel to witness casing pressure testing, CBL results and cement placement.
2. Set tubing Barriers, MIRU, Kill well, Test BOPs. Well has H2S, up to 17 ppm on 10/12/07. Pump H2S scavenger prior to any rig work.
3. POOH with 1" tubing.
4. PU and RIH with casing scraper for 5-1/2" casing. POOH
5. Run CBL from 2550' to surface. Find TOC behind 5-1/2" and contact engineer to discuss any remedial cement squeeze work.
6. RIH with 2-3/8" open-ended workstring to 2650'. Pump and displace ~20 cu. ft of G-Class cement from 2650' to 2550'. This will isolate the Pictured Cliffs formation with a 100' plug and ~50' excess. WOC.

7. RIH with 2-3/8" open-ended work string to 2295'. Pump and displace ~20 cu. ft of G-Class cement from 2295' to 2195'. This will isolate the Fruitland formation with a 100' plug and ~50' excess. WOC.
2264' - 2164'
8. RIH with 2-3/8" open-ended workstring to 1206'. Pump and displace ~40 cu. ft of G-Class cement across 1180' to 930'. This will isolate the Ojo Alamo formation with a 250' plug and ~50' excess. WOC. RIH and tag for cement top.
1446' - 1212' inside + outside 5 1/2" casing
9. POOH with 2-3/8" workstring. RU wireline w/ perforating gun and RIH to +/- 110' and perforate 5 1/2" casing with 4SPF and POOH with guns. Attempt to circulate down 5 1/2" casing and out 9 5/8" casing valve.
10. Establish injection rate down casing. Once injection rate has been established attempt to pump ~60 cu. ft cement to squeeze cement to surface behind 4-1/2" casing Pump excess cement as necessary.
5
11. Remove wellhead and Place P&A marker. Reclaim location.

WELL NAME: Ludwick LS 3

LOCATION: 990' FNL 1750' FWL

SEC/TWN/RNG 29 T30N R10W


COUNTY, ST: San Juan Co., NM

WELL TYPE: Gas

BP WI: 100.0% **NRI:** 82.5%

BCPD	BWPD	MCFD
		6,085

PC IP



SPUD DATE: 01/26/55

RIG REL: 02/08/55

COMP DATE: 02/09/55

FORMATION: Pictured Cliffs

API#: 30-045-09120

SURFACE CASING DESIGN

9 5/8" 97' J-55 36#

SET @ 108'

1st Stg CEMENT 100 sx

TAIL IN W/ TOC surf

Det. By Circ.

PRODUCTION CASING DESIGN

5 1/2" J-55 15 5#/R

SET @ 2,575'

CEMENT W/ 150sx

TAIL IN W/ CMT TOP @ unknown

DETER. BY

PERF. DATA:

	SPF	FORM.
1 2577' - 2650'	OPEN HOLE	PC
1		
1		
1		

TUBING DATA

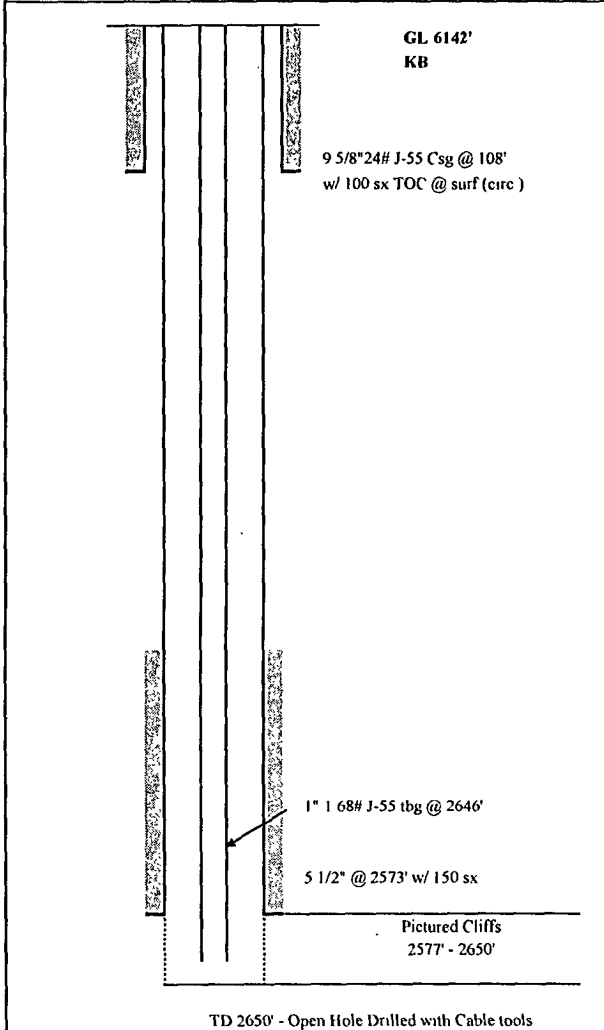
1"

SET @ 2646'

PACKER

S.N ID / @

Ludwick LS 3



FRAC JOB: (1) - 10000 gal of oil w/ 10,000# sand 1100psi treating pressure
31 bbl/min Flush 2600 gal

NOTES:

Prepared By: Matt Mientka

Date: 27-Oct-08

Figure 1: Well Schematic for the Ludwick LS 3

**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401**

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: 3 Ludwick LS

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) 599-8907.
3. The following modifications to your plugging program are to be made:
 - a) Place the Fruitland plug from 2264' - 2164'.
 - b) Place the Kirtland/Ojo Alamo plug from 1446' – 1212' inside and outside the 5 ½" casing.
 - c) Place the Surface plug from 158' to surface inside and outside the 5 ½" casing.
 - d) Due to high H₂S concentrations in the area it is imperative that H₂S monitoring equipment and personnel be on location during plugging operations.

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.