

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.

NMNM 016746

6. If Indian, Allottee or tribe Name

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

8. Well Name and No.

Horton 3

9. API Well No.

30-045-28910

10. Field and Pool, or Exploratory Area

PICTURED CLIFFS

11. County or Parish, State

San Juan County, 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)

1755' FNL & 1465' FEL Sec 28 T31N R09W

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

- |  |  |  |   |
|--|--|--|---|
| <input type="checkbox"/> Acidize       | <input type="checkbox"/> Deepen                      | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water shut-Off |
| <input type="checkbox"/> Alter Casing  | <input type="checkbox"/> Fracture Treat              | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <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 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 requests permission to P&A the above well per the attached procedure.

RCVD OCT20'06

OIL CONS. DIV.

DIST. 3

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

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

Name (Printed/typed) Cherry Hlava

Title Regulatory Analyst

Signature

*Cherry Hlava*

Date 10/4/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

*Wayne Townsend*

Title P.E. Eng.

Date 10/20/06

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

FFO

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.

NMOC D 8

## SJ Basin Plugging Procedure

### Horton 3

30-045-28910

October 2, 2006

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

1. TOH with completion.
2. Ensure wellbore is clean of obstructions (cleanout).
3. Pump cement plugs and remove wellhead.

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**Pertinent Information:** Gas BTU content for this well is 1173; Sp gr. is 0.688. Data recorded on 2/16/2006 in FDA. Venting and Flaring document needs to be followed if BTU content is above 950.

Location: T31N-R9W-Sec28

County: San Juan

State: New Mexico

Horizon: PC

Engr: Anne Fickinger

CO2: 1.68%

ph (505) 326-9483

H2S: 0 ppm

mobile: 505-486-9249

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Well is a regulatory compliance well.

9/2004 ~~Workover~~

Attempt to restore to production. If production restoration had not been successful a sundry for attempt to P&A had been submitted on March 4 2004.

2/1993 **Completion and Remedial Cement work**

Ran CBL 1546' to surface. Cmt top @ 850'. Perf 2 shots @ 733'. Obtained good returns up bradenhead (~15 bbls). WOC.

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**Procedure:**

1. Perform pre-rig site inspection. Check for: size of location, Gas Taps, other wells, other operators, running equipment, wetlands, wash (dikes req.), H2S, barriers needed for equipment, Landowner issues, location of pits (buried lines in pits), Raptor nesting, critical location, check anchors. Check ID wellhead; if earth pit is required have One Call made 48 hours prior to digging.
2. Perform second site visit after lines are marked to ensure all lines clear marked pit locations. Planning and scheduling to ready location for rig.
3. RU slickline unit or wireline unit. Pressure test lubricator and equipment. RIH and set **two barriers** (CIBP, tbg collar stop w/plug, or plug set in nipple) for isolation in tubing string.
4. Check and record tubing, casing, and bradenhead pressures. Ensure production casing has double casing valves installed. Double valve all casing strings.

5. **Notify BLM and NMOCD 24 hours prior to beginning P&A operations.**  
Charlie Perrin (505) 334-6178 (ext 16).  
Steve Mason (505) 599-6364
6. MIRU workover rig. LOTO all necessary equipment including but not limited to: meter run, automation, separator, and water line.
7. Blow down well.
8. Check all casing strings to ensure no pressure exist on any annulus. **The operations of removal of wellhead and installation of BOP's will be performed under a dispensation for one (1) barrier on the backside.**
9. Nipple down Wellhead. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 200 psi above BHP.
10. Install stripping rubber, pull tubing hanger and shut pipe rams. Strip tubing hanger out of hole.
11. TOOH and LD 2-3/8" production tubing currently set at 2978'.
12. TIH with 2-3/8" work string and set CIBP at 2930'. Load well with fluid. Pressure test casing. If casing doesn't test RIH with Retrievable plug and find hole in casing. Contact production engineer if squeezes are required.
13. RIH to 2930. Pump and displace a 330' plug from 2930 to <sup>2573' + 50' excess.</sup> ~~2600'~~. This will be the PC/Fruitland coal formation plug.
14. POOH to 1850'. Pump and displace a 300' plug from 1850' to 1550'. This should put cement across the Ojo Alamo.
15. POOH to 316'. Pump and displace a 316' plug from 316' to surface'. This should put cement across surface casing shoe all the way to surface.
16. Perform underground disturbance and hot work permits. Cut off tree.
17. Install 4' well marker and identification plate per NMOCD requirements.
18. RD and release all equipment. Remove all LOTO equipment
19. Ensure all reports are loaded into DIMS. Print out summary of work and place in wellfile.

### Horton 3

Sec 28, T31N, R9W

API: 30-045-28910

6124' GL

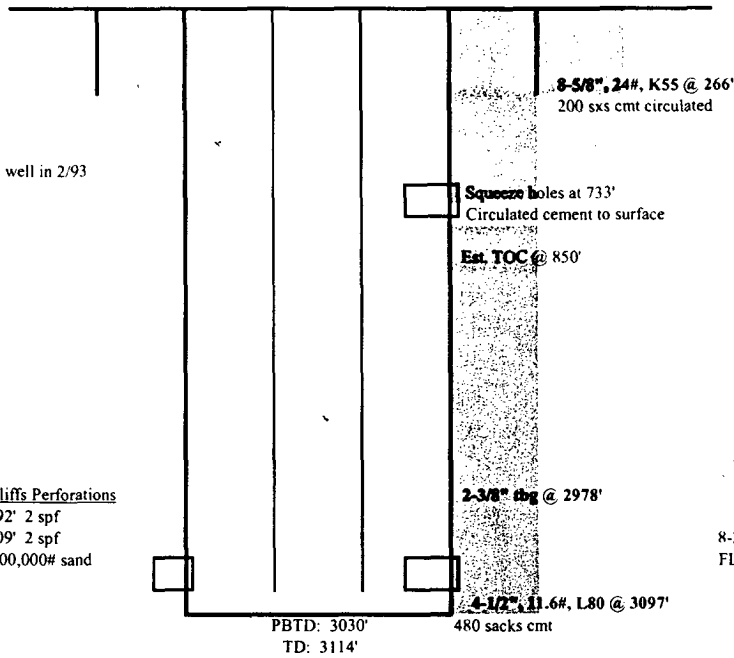
#### History:

Completed well in 2/93

#### Pictured Cliffs Perforations

2986' - 2992' 2 spf  
2997' - 3009' 2 spf  
frac'd w/ 200,000# sand

Formation tops:  
Fruitland 2606'  
PC 2906'



8-5/8\", 24#, K55 @ 266'  
200 sxs cmt circulated

Squeeze holes at 733'  
Circulated cement to surface

Est. TOC @ 850'

2-3/8\"

4-1/2\", 11.6#, L80 @ 3097'  
480 sacks cmt

8-23-06 WL tag 3005'  
FL @ 2600'

PBTD: 3030'  
TD: 3114'

AF 10/3/06



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Farmington Field Office  
1235 La Plata Highway, Suite A  
Farmington, New Mexico 87401

Attachment to Notice of Intent for Permanent Abandonment:

**Well: Horton #3**

### **CONDITIONS OF APPROVAL:**

- 1.) Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Leases."
- 2.) Farmington Field 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 Pictured Cliffs/Fruitland plug from 2930' to 2573' plus 50' excess. (Top of Fruitland at 2623')

**GENERAL REQUIREMENTS FOR  
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES  
FARMINGTON FIELD OFFICE**

1.0 The approved plugging plans may contain variances from the following minimum general requirements.

1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured. (densimeter/scales)

3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

4.1 The cement shall be as specified in the approved plugging plan.

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.3 Surface plugs may be no less than 50' in length.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.

5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.

5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.

6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H<sub>2</sub>S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), five copies, with the Field Manager, Bureau of Land Management, 1235 La Plata Highway, Suite A, Farmington, NM 87401. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.