

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARIESIA

FORM APPROVED
OMB No 1004-0137
Expires July 31, 2010

5 Lease Serial No

NM 04175 (b) 29276

FEB 10 2009

Indian, Allottee or Tribe Name



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 page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

BP America Production Company

3a Address

P O Box 1089
Eunice, New Mexico 88231

3b Phone No. (include area code)

575-394-1650

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

2310' FNL & 330' FEL Unit Letter "H"
Section 17 - T18S - R27E

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

8910138010

8 Well Name and No

Empire Abo Unit "R" #4

9 API Well No

30-015-00913

10 Field and Pool or Exploratory Area

Empire Abo

11 Country or Parish, State

Eddy County, New Mexico

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"/> 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 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 America proposes to plug and abandon this well as follows, which is also depicted by the attached wellbore schematic:

- MIRU well servicing unit and ancillary P&A equipment - pull and lay down rods & pump. Kill well, install BOP and POH w/ production tubing.
- TIH w/ 4 1/2" CIBP on tbg & set at 5340' = 60' above top Abo perf. Load hole w/ water and test csg to 500 psi. If casing fails pressure test, leak must be found and results discussed w/ BLM before proceeding with setting plugs.
- * Spot 25 sx Class "C" onto CIBP, top of cement plug calculated to be 4980' * Spot 25 sx across top of Glorieta @ 2922' 4292 - 4142
- Spot 25 sk Class "C" plug from 2665' to 3025' across top of Glorieta @ 2922'.
- Perforate 4 1/2" casing with 4 circulating holes @ 1570' = 53' below 8 5/8" surface casing shoe @ 1517'.
- Run packer on tbg and set above perfs, establish circulation through perfs @ 1570' and to surface via 8 5/8" x 4 1/2" annulus. Circulate annulus clean and POH w/ packer. Mix and pump Class "C" cement down 4 1/2" casing until cement is circulated to surface via 8 5/8" x 4 1/2" annulus, leave 4 1/2" casing filled with cement from 0' - 1570'. Estimated cement volume to be pumped is 425 sx.
- RD & MO well servicing unit and ancillary equipment.
- Cut casing & WH to 3' below GL and erect regulation Dry Hole marker.
- Prepare location for final BLM inspection.

Work will commence as soon as possible after receipt of BLM approval of abandonment, however, exact timing will be dependent upon availability of required equipment and services.

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

Dan Westmoreland

Title Wells Operations Superintendent

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Signature

John Williams for D. W.

Date 02/02/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

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.

Title 18 USC Section 1001 and Title 43 USC Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency within the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

ACCEPTED FOR RECORD

FEB 7 2009

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Accepted for record
NMOCD

Empire Abo Unit "R" #4

Empire Abo Field
Federal Lease No. NM 04175(b)

API No. 30-015-00913

2310' FNL & 330' FEL
Sec 17 - T18S - R27E
Eddy County, New Mexico

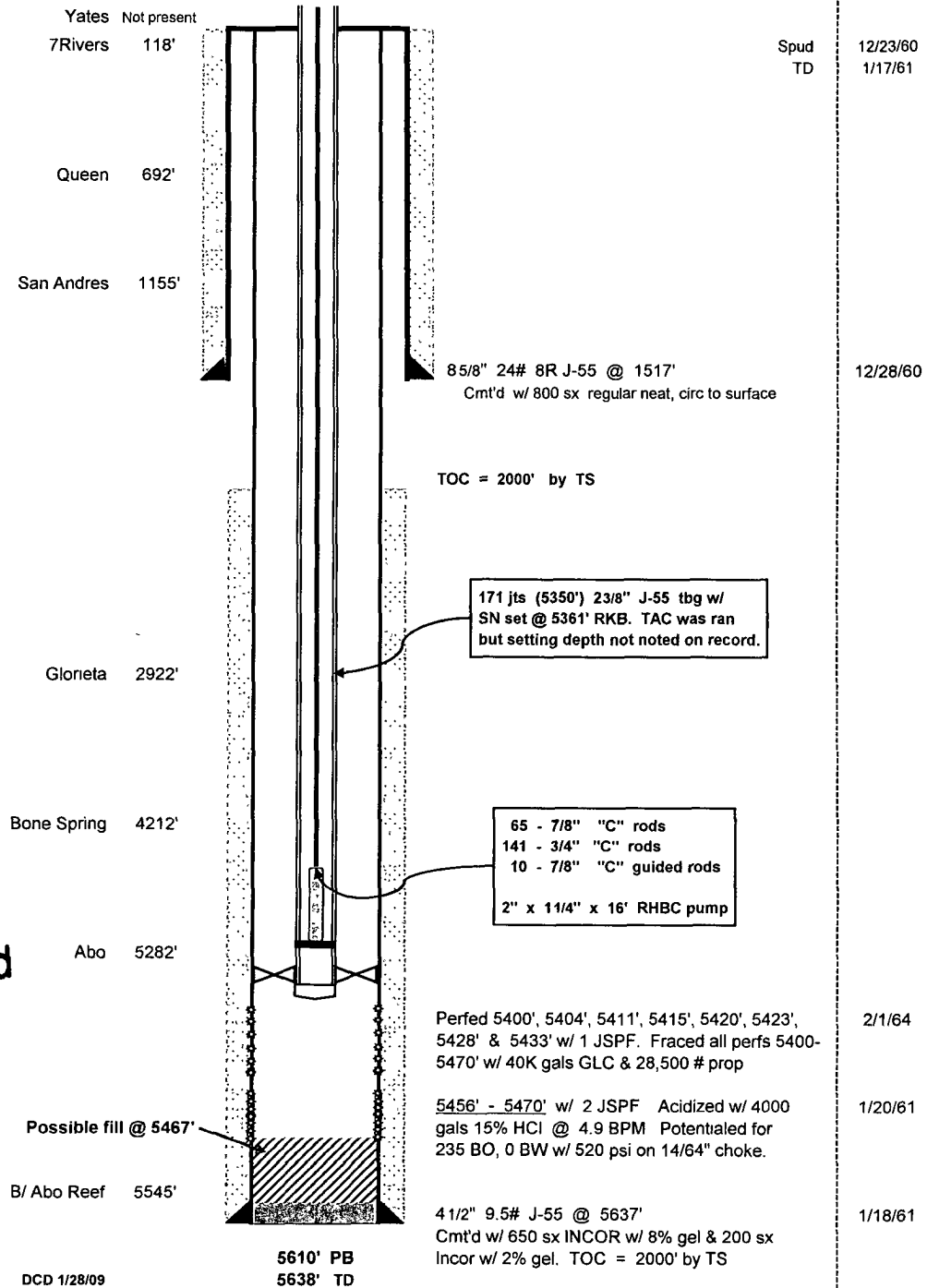
(Originally Drilled by Humble O&R
as Abo Chalk Bluff Draw Unit #11)

Present Status

RKB 11'
GL 3440'

Wellhead National
Type "E" w/ 85/8" - 8R

Event
Date



Accepted for record
NMOCD

Empire Abo Unit "R" #4

Empire Abo Field
Federal Lease No. NM 04175(b)

API No. 30-015-00913

2310' FNL & 330' FEL
Sec 17 - T18S - R27E
Eddy County, New Mexico

(Originally Drilled by Humble O&R
as Abo Chalk Bluff Draw Unit #11)

Proposed P&A

RKB 11'
GL 3440'

Wellhead National
Type "E" w/ 8 5/8" - 8R

Event
Date

Yates Not present
7Rivers 118'

Queen 692'

San Andres 1155'

Spud
TD

12/23/60
1/17/61

8 5/8" 24# 8R J-55 @ 1517'
Cmt'd w/ 800 sx regular neat, circ to surface

12/28/60

TOC = 2000' by TS

Perf @ 1570', circulate cmt
to surface in 8 5/8" x 4 1/2"
annulus & leave 4 1/2" full of
cement from 0' - 1570'. Est
cement volume = 425 sx

Glorieta 2922'

25 sx cmt plug across
top of Glorieta @ 2922'
Approx 2663' - 3025' = 362'

Bone Spring 4212'

Abo 5282'

CIBP @ 5340'
Capped w/ 25 sx cmt
to approx 4880'

Perfed 5400', 5404', 5411', 5415', 5420', 5423',
5428' & 5433' w/ 1 JSPF. Fraced all perfs 5400-
5470' w/ 40K gals GLC & 28,500 # prop.

2/1/64

5456' - 5470' w/ 2 JSPF Acidized w/ 4000
gals 15% HCl @ 4.9 BPM Potential for
235 BO, 0 BW w/ 520 psi on 14/64" choke.

1/20/61

Possible fill @ 5467'

B/ Abo Reef 5545'

4 1/2" 9.5# J-55 @ 5637'
Cmt'd w/ 650 sx INCOR w/ 8% gel & 200 sx
Incor w/ 2% gel. TOC = 2000' by TS

1/18/61

5610' PB
5638' TD

DCD 1/28/09

Accepted for record
NMOCD

**BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972**

**Permanent Abandonment of Federal Wells
Conditions of Approval**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. In lieu of a cement plug in a cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. **Dry Hole Marker:** All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. **Subsequent Plugging Reporting:** Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.

**Accepted for record
NMOCD**