

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

AUG 18 2009

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

BP America Production Company

3a. Address

P.O. Box 1089 Eunice NM 88231

3b. Phone No (include area code)

575-394-1648

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

Unit Letter C, 1100 FNL & 2170 FWL
Section 10, T18S, R27E

5. Lease Serial No.

NMNM025604

6. If Indian, Allottee or Tribe Name

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

NMNM70495X

8. Well Name and No.

Empire Abo Unit 101
"M"

9. API Well No.

30-015-22057

10. Field and Pool, or Exploratory Area

Empire Abo

11. County or Parish, State

Eddy County NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF 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 | ☐ Temporarily Abandon | |
| ☐ Convert to Injection | ☐ Plug Back | ☐ 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 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 final site is ready for final inspection.)

1. MIRU PU. Have hot oiler on location to pump hot oil / paraffin dispersant / water as required to pull rods and pump. Check tubing, casing and surface pipe for pressures - bleed off into containment.
2. Load tubing and test to 500 psi. Kill well as necessary. POH LD rods and pump.
3. Monitor well and assure it is stable. ND wellhead, NU BOP.
4. Release TAC and TOH with production tubing.
5. TIH with bit and casing scraper to 5750'. TOH.
6. RU WL. Run GR-CCL-CBL to determine second stage TOC (calculated to be 200'). RD WL. Notify BLM and NMOC of TOC behind 5 1/2" casing - may have to modify plugging procedure based on CBL results.
7. TIH with CIBP on 2 3/8" tubing and set at 5720'. Load hole with mud laden fluid (9.0 ppg, 1250# salt gel / 100 bbl minimums) and test CIBP and casing to 500 psi. Spot 350' cement plug on top of CIBP from 5720' to 5370' using 35 sx Class C neat.
8. TOH to 4300'. Spot 250' cement plug from 4300' to 4050' using 25 sx Class C neat (DVT = 4188').
9. TOH to 3250'. Spot 250' cement plug from 3250' to 3000' using 25 sx Class C neat (Glorieta top = 3150'). TOH with setting tool. WOC.

Continued on page 2.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Bart C. Price

Title

Area Operations Team Lead

Date 8/6/09

APPROVED

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.

AUG 15 2009

JAMES A. AMOS

SUPERVISOR

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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.

Form 3160-5
Empire Abo Unit M-101
30-015-22057
Continued from Page 1

10. TIH with 2 3/8" tubing and slotted sub. Tag Glorieta plug. Record depth and re-spot if necessary.
11. TOH to 1100'. Spot 300' cement plug from 1100' to 800' using 30 sx Class C neat (surface casing shoe = 4000'). TOH LD tubing. Load casing and test to 500 psi. *928' per original SM. Drilled to 1000'.*
12. RU WL. Tag surface casing shoe plug and record depth on daily report. Perforate 5 1/2" casing at 150' (Yates top = 70'). Pump down 5 1/2" casing and out 5 1/2" x 8 5/8" annulus to surface. RD WL.
13. ND BOP. Install adapter flange. Cement 5 1/2" casing from surface to 150' and 5 1/2" x 8 5/8" annulus from 150' to surface using 50 sx Class C neat (estimated, pump until good cement returns).
14. RD PU and clean location.
15. Dig out WH and cut-off casingheads to 3' below GL.
16. Install regulation dry-hole marker. Clean location and prepare for BLM and NMOCD inspection.

8 5/8" @ 1000
TOC: surf

Stage tool @ 4188'

Last CIBP:
Top Perf: 5770
Bot Perf : 5810

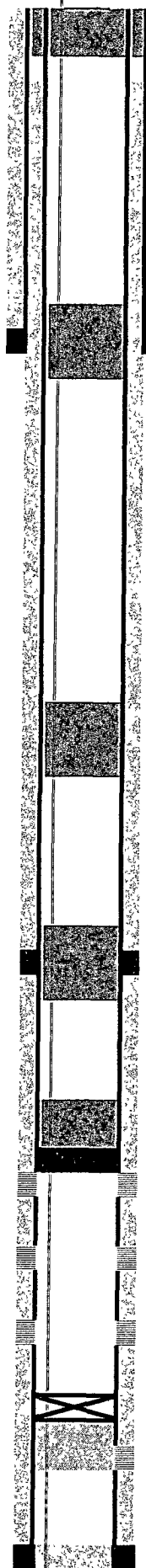
Top Perf: 5816
Bot Perf : 5828

Top Perf: 5840
Bot Perf : 5870

CR @ 5893'
cmtd w/ 200 sx
Top Perf: 5926
Bot Perf : 5940

5 1/2" @ 6050'
TOC: 200 - calc

TD 6050
PBTD 5995' (orig)



Perf 5 1/2" @ 150'
cmt 5 1/2" x 8 5/8" &
5 1/2" 150-0 w/50 sx

30 sx cmt 11'00'-800'

8 5/8" @ 1000
TOC: surf

25 sx cmt 3250-3000'

25 sx cmt 4300-4050'
Stage tool @ 4188'

35 sx cmt 5720-5370'
CIBP @ 5720'

Top Perf: 5770
Bot Perf : 5810

Top Perf: 5816
Bot Perf : 5828

Top Perf: 5840
Bot Perf : 5870

CR @ 5893'
cmtd w/ 200 sx
Top Perf: 5926
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5 1/2" @ 6050'
TOC: 200 - calc

[illegible]

**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 prior to 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.