

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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.

S

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)

UL C, 990 FNL & 2310 FWL
Section 9, T18S, R27E

5. Lease Serial No.

NMNM031186

6. If Indian, Allottee or Tribe Name

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

NMNM70945X

8. Well Name and No

Empire Abo Unit 6
"M"

9. API Well No.

30-015-00838

10. Field and Pool, or Exploratory Area

Empire Abo

11. County or Parish, State

Eddy 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

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☒ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ 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 final site is ready for final inspection.)

Proposed plugging procedure:

1. Check location for anchors and assure that testing has been conducted within an acceptable timeframe. Assure that P&A approval has been received and check for modifications made by BLM or NMOC; assure these procedures comply with final permit. Notify BLM Roswell Field Office (505 / 627-0272) and NMOC District 2 (505 / 748-1283) of upcoming plugging operations - 24 hours prior to commencement.

2. MIRU PU. Need approximately 5500' of 2 3/8" 4.6#, J-55 EUE 8 Rnd tbg. Check casing and surface pipe for pressure - bleed off into containment.

3. ND WH & install BOP (assure that BOP has been shop tested). Test BOP to 500 psi.

4. Load hole & test to 500 psi for 5 minutes. If pressure is not held, contact the BLM for further instructions on necessary remedial work. BLM Roswell Field Office (505 / 627-0272)

Carlsbad

234-5909

Continued on Page 2

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Barry C. Price

Title

Area Operations Team Lead

Date 5/7/08

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Accepted for record

Title

Office

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

APPROVED

MAY 16 2008

JAMES A. AMOS
SUPERVISOR-EPS

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.

5. If casing does not hold pressure, TIH with retrievable packer and isolate casing leak. Contact BLM to determine further remedial action in regards to casing holes found. BLM ~~Reswell~~ ^{Carlsbad} Field Office (505 / ~~627-0272~~ ²³⁴⁻⁵⁹⁰⁹)
6. TIH w/ bull plugged perfed nipple on 2 3/8" tbg to top of cement plug @ 5238'. Circulate hole w/ 9.5 ppg mud laden fluid.
7. POH & LD tbg to 3088' (Glorieta top = 2908'). Spot 25 sack balanced plug from 3088' - 2728'. PU and WOC 2 hours. Tag plug, re-spot if necessary.
8. POH to 1529' (8 5/8" surface casing shoe = 1429'). Spot 25 sack balanced plug from 1529' - 1168'. WOC & tag plug. *Perf. @ 1529, Squeeze (attempt) cmf. adequate to fill. WOC tag no lower than 1168'*
9. POOH & LD tbg.
10. MIRU WL w/ lubricator - test lubricator to 500 psi. RIH with perforating guns and perf 4 1/2" casing w/ 4 squeeze holes @ ~~850'~~ ^{1100'}. RD WL equip..
11. Connect to 4 1/2" casing and circulate 8 5/8" x 4 1/2" annulus via perfs @ ~~850'~~ ^{1100'} until returns are clean. RU cementer and circulate cement to surface thru perfs and via annulus. Once cement is at surface, stop mixing & wash BOP clean - leave 4 1/2" casing full of cement from 0' - ~~850'~~ ^{1100'}.
12. RD PU and clean location.
13. Dig out WH and cut-off casingheads and anchors to 3' below GL.
14. Install regulation dry-hole marker. Clean location and prepare location for BLM & NMOCD inspections.
15. Ensure costs are accurately recorded and that work description is transmitted via DIMS (morning report) or faxed to the Midland office, Eunice production office, and the Houston office (DIMS satisfies transmittal to Houston).
16. Complete well handover form with a Production representative. Provide a copy for Production, fax to Midland office and send in original for well file. Assure that information for the required regulatory filings has been forwarded to responsible person. TOPS.

Accepted for record
NMOCD

Form 3160-5
 Empire Abo Unit M-6
 30-015-00838
 Continued from Page 2

17. Production Group will be responsible for final BLM & NMOCD inspection.

Plug	Sacks	Depths	Comments
#1	25	3088' - 2728'	Plug for top of Glorieta @ 2908'
#2	25	1529' - 1168'	Surface Casing Shoe
#3	230	850' - 0'	Fills 8 5/8" x 4 1/2" annulus and 4 1/2" csg to surface – provides isolation of the top of the Queen & top of Yates.
If perms @ 850' are squeezed and no circulation via the 8 5/8" x 4 1/2" annulus: (1) inside plug from 850' to 490' must be in-place; (2) 4 1/2" casing perforated @ 60' & (3) annulus cemented to surface and inside of casing left full of cement from 0' - 60'.			

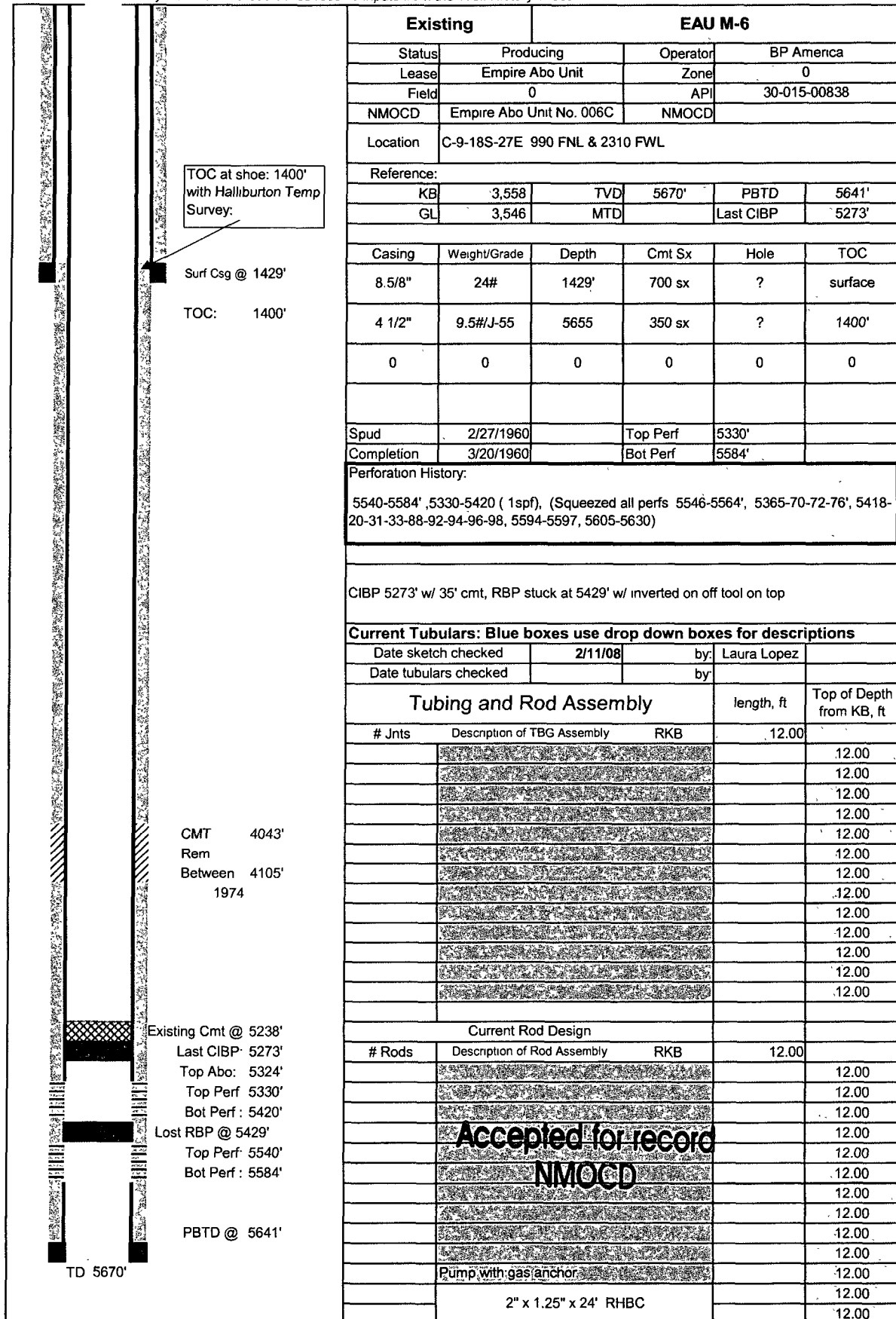
Relevant Volume Factors:

$$8\frac{5}{8}" = 24\#$$

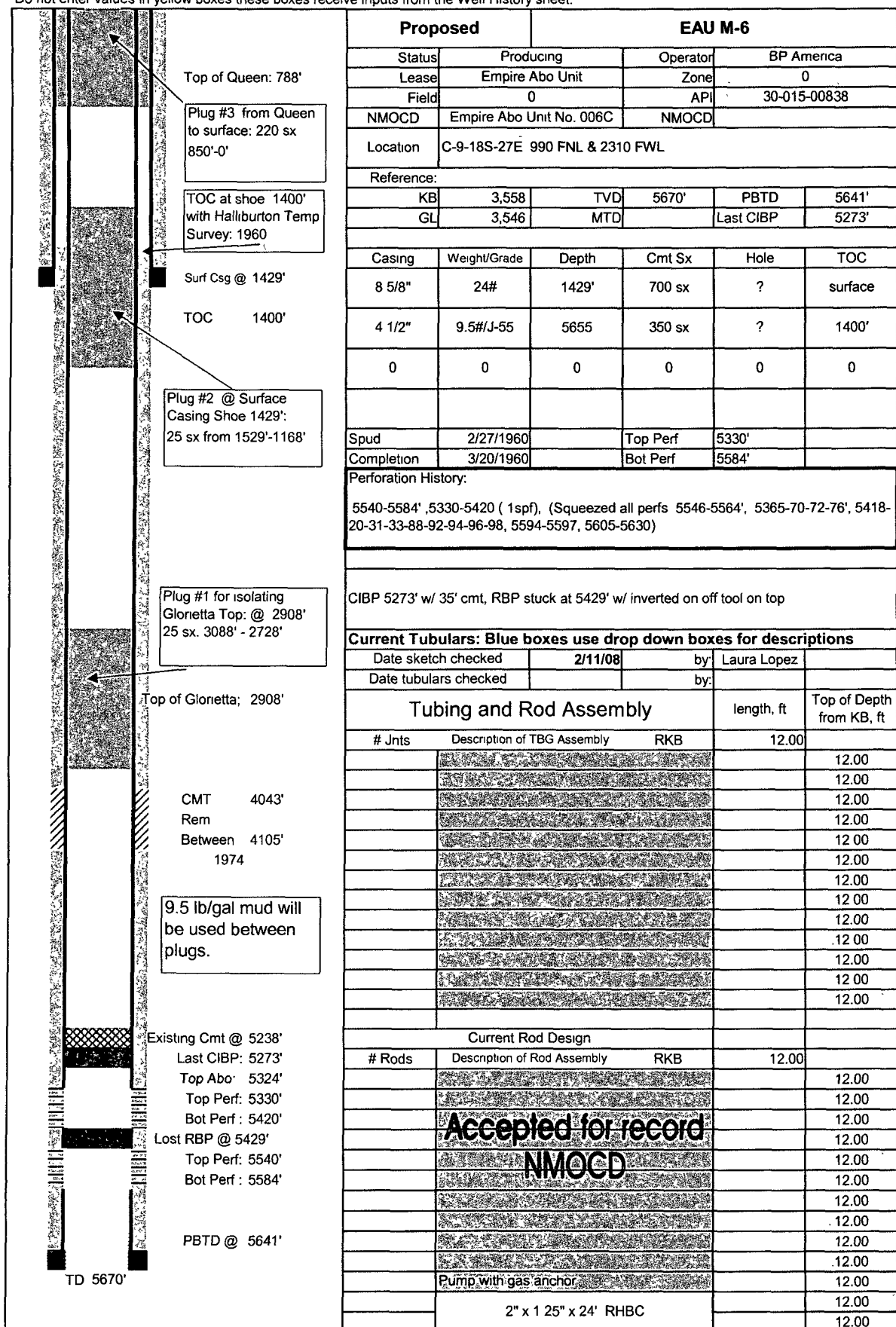
$$4\frac{1}{2}" = 9.5\#$$

Hole / Pipe Size	BBLs / FT	FT ³ / FT
2 3/8" - 4.6#	.00387	.02171
4 1/2" - 9.5#	.0162	.0912
4 1/2" - 9.5# x 2 3/8"	.0108	.0605
7 7/8" x 4 1/2"	.0406	.2278
8 5/8" x 4 1/2"	.0440	.2471

Do not enter values in yellow boxes these boxes receive inputs from the Well History sheet



Do not enter values in yellow boxes these boxes receive inputs from the Well History sheet.



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.