

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**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.  
NMNM03358

6. If Indian, Allottee or Tribe Name

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

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.  
NEBU 604 COM 2H

2. Name of Operator  
BP AMERICA PRODUCTION CO  
Contact: TOYA COLVIN  
E-Mail: Toya.Colvin@bp.com

9. API Well No.  
30-045-35794-00-X1

3a. Address  
PO BOX 3092  
HOUSTON, TX 77253

3b. Phone No. (include area code)  
Ph: 281.892.5369

10. Field and Pool or Exploratory Area  
BASIN MANCOS

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
  
Sec 13 T31N R7W SWNW 1891FNL 594FWL  
36.901585 N Lat, 107.529243 W Lon

11. County or Parish, State  
  
SAN JUAN COUNTY, NM

**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"/> Hydraulic Fracturing | <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 checked="" type="checkbox"/> Other |
|  | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon     | <input type="checkbox"/> Temporarily Abandon       | Drilling Operations                       |
|  | <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 requests to perform the attached remedial operations on the subject well.

Please see the attached procedure including wellbore diagram.

OIL CONS. DIV DIST. 3  
FEB 01 2018

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

**Electronic Submission #402526 verified by the BLM Well Information System  
For BP AMERICA PRODUCTION CO, sent to the Farmington  
Committed to AFMSS for processing by JACK SAVAGE on 01/30/2018 (18JWS0092SE)**

Name (Printed/Typed) TOYA COLVIN

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 01/29/2018

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By JACK SAVAGE

Title PETROLEUM ENGINEER

Date 01/30/2018

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 Farmington

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.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

BP NMOCD See Revised plan  
Accepted For Record

5

**NEBU 604 Com 2H – 30-045-35794**  
**Remedial ops outline**

**9 5/8 x 12 1/4" 0.0558 bbl/ft**  
**9 5/8" 40# 0.0758 bbl/ft**

**Scenario #1 – Remediate prior to drilling lateral**

1. MIRU WL; Shoot 2 holes, 180 deg @  $\pm 3520'$  ( $\pm 50$  below PC main top @ 3464') and 2 holes, 180 deg @  $\pm 2900'$
2. RIH and set packer @  $\pm 3480'$
3. Break circulation down work string and up the upper perf holes @ 5 - 8 bpm w/ annulus open
4. POH packer and L/D
5. RIH w/CR and set @  $\pm 3480'$
6. MIRU cement equipment; MU lines and press test
7. Pump  $\pm 50$  bbls of cement (ann volume  $\pm 40 - 50\%$  excess) – to be recalculated on loc based on actual perf depths and displace it past the retainer
8. Sting out of retainer; c/o excess cement
  - a. If there is cement in the returns, balance a  $\pm 20$  bbl cement plug at  $\pm 2910'$ ; Pull up above cement level and start hesitating to max 1500 psi; pull up, clean excess, POH and shut well in with  $\pm 1000$  psi (depending on last squeeze pressure)
  - b. WOC 24 hrs or as per HES recommendation
  - c. If there is no cement in returns POH w/ work string and run CBL
  - d. Based on TOC plan to shoot another set of perforations and repeat the process
9. MU d/o BHA and d/o cement past 2930'
10. Press test csg to  $\pm 1000$  psi
11. POH w/ drilling BHA
12. Run CBL
13. If CBL is good RIH w/ d/o BHA
14. D/O CR; c/o past the plug @ 3520'
15. Press test csg again to  $\pm 1000$  psi (press test lower holes)
16. POH and L/D drilling BHA

**Contingencies:**

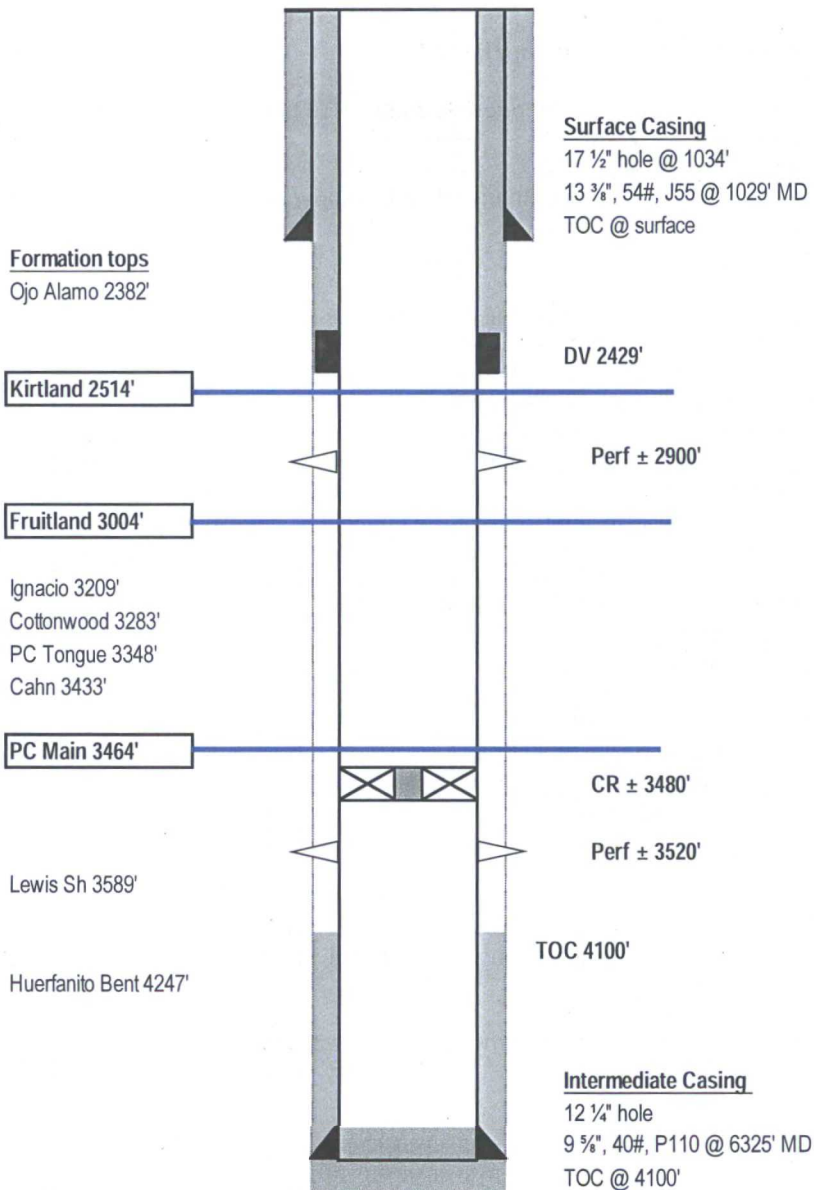
- If circulation cannot be achieved (bullet 3), through the holes @  $\pm 2900'$ , plan to shoot another set of perforations @  $\pm 3350'$  and attempt again to achieve circulation
- Operations and volumes will be adjusted accordingly and reported to regulatory agencies

**Notes:**

- Cement blend, density and WOC time will be agreed w/ HES

NEBU 604-2H  
API # 30-045-35794

GL 6500'  
KB 25'



## **Scenario #2 – Remediate after lateral drilled – 5 ½" csg set in liner hanger**

1. RIH and set RBP in the 9 ⅝" or 5 ½" casing and press test to 1500 psi
2. MIRU WL; Shoot 2 holes, 180 deg @ ± 3520' (± 50 below PC main top @ 3464') and 2 holes, 180 deg @ ± 2900'
3. RIH and set packer @ ± 3480'
4. Break circulation down work string and up the upper perf holes @ 5 - 8 bpm w/ annulus open
5. POH packer and L/D
6. RIH w/CR and set @ ± 3480'
7. MIRU cement equipment; MU lines and press test
8. Pump ± 50 bbls of cement (ann volume ± 40 – 50% excess) – to be recalculated on loc based on actual perf depths and displace it past the retainer
9. Sting out of retainer; c/o excess cement
  - 9.1. If there is cement in the returns, balance a ± 20 bbl cement plug at ± 2910'; Pull up above cement level and start hesitating to max 1500 psi; pull up, clean excess, POH and shut well in with ± 1000 psi (depending on last squeeze pressure)
  - 9.2. WOC 24 hrs or as per HES recommendation
  - 9.3. If there is no cement in returns POH w/ work string and run CBL
  - 9.4. Based on TOC plan to shoot another set of perforations and repeat the process
10. MU d/o BHA and d/o cement past 2930'
11. Press test csg to 500 psi
12. POH w/ drilling BHA
13. Run CBL
14. If CBL is good RIH w/ d/o BHA
15. D/O CR; c/o past the plug @ 3520'
16. Press test csg again to 500 psi (press test lower holes)
17. POH and L/D drilling BHA
18. RIH and retrieve RBP
19. POH and lay down tools
20. RIH and clean PBR
21. RIH w/ 5 ½" 20# P110 tie back string
22. MIT 5 ½" casing string to 1500 psi

### **Contingencies:**

- If circulation cannot be achieved (bullet 4), through the holes @ ± 2900', plan to shoot another set of perforations @ ± 3350' and attempt again to achieve circulation
- Operations and volumes will be adjusted accordingly and reported to regulatory agencies
- If the CBL indicates isolation between the formations but can't obtain pressure test decision might be made to defer the pressure testing of the casing and cement the tie-back string in place and plan to bring cement above ±2900' in the 9 ⅝" x 5 ½" annulus

### **Notes:**

- Cement blend, density and WOC time will be agreed w/ HES

NEBU 604-2H  
API # 30-045-35794

GL 6500'  
KB 25'

Formation tops  
Ojo Alamo 2382'

Surface Casing  
17 1/2" hole @ 1034'  
13 3/4", 54#, J55 @ 1029' MD  
TOC @ surface

Kirtland 2514'

DV 2429'

Perf ± 2900'

Fruitland 3004'

Ignacio 3209'  
Cottonwood 3283'  
PC Tongue 3348'  
Cahn 3433'

PC Main 3464'

CR ± 3480'

Perf ± 3520'

Lewis Sh 3589'

Huerfanito Bent 4247'

TOL ± 3600'

TOC 4100'

Intermediate Casing  
12 1/4" hole  
9 5/8", 40#, P110 @ 6325' MD  
TOC @ 4100'

Production Liner  
8 3/4" hole  
5 1/2" 20# P110 csg