

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88203  
District III  
1000 Rio Brazos Rd., Aztec, NM 87401  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. <b>30 - 015 - 01733</b>
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name <b>Empire Abo Unit "F"</b>
8. Well Number <b>38</b>
9. OGRID Number <b>00778</b>
10. Pool name or Wildcat <b>Empire Abo</b>

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

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

2. Name of Operator

**BP America Production Company**

3. Address of Operator

**P. O. Box 1089 Eunice, New Mexico 88231**

4. Well Location

Unit Letter **F** : **1650** feet from the **North** line and **1650** feet from the **West** line  
Section **35** Township **17S** Range **28E** NMPM County **Eddy**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**3681' GL**

Pit or Below-grade Tank Application ☒ or Closure ☐

Pit type **Workover** Depth to Groundwater **>100'** Distance from nearest fresh water well **>1000'** Distance from nearest surface water **>200'**

Pit Liner Thickness: **20** mil Below-Grade Tank: Volume **200** bbls; Construction Material

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐  
OTHER: **Plugging of the well bore**

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☒  
CASING/CEMENT JOB ☐  
OTHER: ☐

13. Describe proposed completion operation, state all pertinent details, and give pertinent dates, including estimated date of starting any proposed completion operation and date of completion. Attach wellbore diagram of proposed completion or recompletion. **Liability under bond is retained until surface restoration, environmental remediation and final inspection is completed.**

P&A Operations were commenced on May 7, 2007 and completed May 18, 2007 - final wellbore diagram attached.

MIRU P&A equipment, removed WH & installed BOP. TIH w/ pkr to test csg - located leaks between 0' - 250'; csg from 252' to CIBP @ 6218' tested to 500 psi. Ran CBL & found TOC @ 2460'. TIH w/ tbg, tagged CIBP @ 6218' and spotted 40 sx Class "C" onto CIBP - estimated top of plug @ 5825'. Bottom plug set 5825' - 6218' = 393'. Circ'd wellbore w/ 9.5 ppg mud laden fluid, pulled tbg to 3900' & spotted 25 sx cmt across top of Glorieta @ 3850'. WOC & tagged plug @ 3668'. Glorieta plug set 3668' - 3900' = 232' on 5/11/07. Set tbg @ 3100' & spotted 25 sx cmt across base of water injection interval. WOC & tagged plug @ 2845'; base of injection plug set 2845' - 3100' = 255' on 5/11/07. Perfed 5 1/2" csg @ 1987' = 50' below top of Grayburg. Ran pkr to 300' and attempted to pump into perfs - pressured to 2500 psi. TIH w/ tbg to 2040' & spotted 25 sx cmt across perfs & top of Grayburg. WOC & tagged plug @ 1794'; Grayburg plug set 1794' - 2040' = 246' on 5/14/07. Perfed 5 1/2" csg @ 1550' = 60' below top of Queen @ 1490'. Ran pkr to 300' and established circ through perfs @ 1550' and out 85/8" x 5 1/2" annulus. Pulled pkr & set CR @ 1447'. Mixed and pumped 100 sx Class "C" into perfs and dumped 1 bbl of cmt onto top of CR. Queen plug set from 1214' - 1550' on 5/15/07. POH w/ tbg & perfed 5 1/2" csg @ 770' = 50' below 85/8" surface casing shoe. Ran pkr to 300' and established circ through perfs and out 85/8" x 5 1/2" annulus. Pulled pkr & set CR @ 590' = 50' above top of Yates @ 640'. Mixed & pumped cmt through perfs until cmt returned to surface via 85/8" x 5 1/2" annulus (estimated 205 sx); stung out of retainer, closed 85/8" x 5 1/2" annulus and mixed & pumped cmt until 5 1/2" csg filled w/ cmt to surface (est 55 sx). POH & LD tbg and topped-off 5 1/2" csg w/ cmt. Surface casing shoe - Yates - Top plugs set 0' - 770' w/ 260 sx on 5/16/07. ND BOP, RD P&A equipment and WOC. Cut off well heads and guy wire anchors to 3' below GL and installed regulation Dry Hole Marker. P&A completed as of 5/18/07.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Ran Dodd TITLE agent for BP America Production Company DATE 5/21/07

Type or print name D. C. Dodd E-mail address: ddodd@sierra-engineering.net Telephone No. 432/683-8000

For State Use Only

APPROVED BY: Gerry Guye TITLE Deputy Field Inspector DATE JUN 1 2007  
District II - Artesia

Conditions of Approval (if any):

**Empire Abo Unit "F" #38**  
 Empire Abo Field  
 API No. 30-015-01733  
 1650' FNL & 1650' FWL  
 Sec 35 - T17S - R28E  
 Eddy County, New Mexico  
 Originally drilled by Hondo-Western-Yates as  
 State "A" #12

**FINAL P&A**

5/18/2007

RKB = 3691'

GL = 3681'

Perfed @ 770' = 50' below 8 5/8" shoe.  
 Set retainer & circulated cmt to surface  
 via 8 5/8" x 5 1/2" annulus (est 205 sx).  
 Close retainer and filled 5 1/2" casing to  
 surface (est 55 sx).  
 Surface Shoe - Yates - Top Plug

Yates 640'

7 Rivers 892'

Queen Plug  
 100 sx squeeze  
 1405' - 1550' inside  
 1000' - 1550' annulus

Queen 1490'

Grayburg Plug  
 25 sx  
 1794' - 2040'  
 Tagged 5/15/07

Grayburg 1937'

San Andres 2305'

Base of Injection Plug  
 25 sx  
 2845' - 3100'  
 Tagged 5/14/07

Glorieta Plug  
 25 sx  
 3668' - 3900'  
 Tagged 5/11/07

Glorieta 3850'

CIBP @ 6218'  
 Capped w/ 40 sx  
 5825' - 6218'

Abo 5907'

Drilled packer remains

6369' PB  
 6404' TD

Leaks in 5 1/2" csg 0' - 252'  
 Tested to 500 psi from 252' - 6218'

8 5/8" 28# 8R @ 720'  
 Cmt'd w/ 150 sx INCOR w/ 14% gel  
 & 100 sx INCOR w/ 2% gel. Cmt circ to surface.

Perfed @ 1550' = 60' below top of Queen  
 Set retainer @ 1447' & pumped 100 sx into perfs  
 to cmt annulus and provide inside plug.

Queen - Grayburg isolation Plug  
 Perfed @ 1987', unable to pump in w/ 2500 psi.  
 Set 25 sx inside plug w/ NMOCD approval.

TOC by CBL = 2460'

Isolation Plug for Base of Injection 3000' - 3100'  
 100' plug inside casing 3000' - 3100' w/ 25 sx  
 Tag plug.

Glorieta Plug 3800' - 3900'  
 100' plug inside casing 3900' - 3800' w/ 25 sx  
 Tag plug.

**CIBP @ 6218'**

6246' - 6254' w/ 4 JSPF Acidized w/ 1000 gal  
 15%. OPT = 840 BO, 1146 MCFPD on 16/64"  
 choke w/ 750 psi FTP.

5 1/2" 15.5# J-55 @ 6404'  
 Cmt'd w/ 125 sx HYS 400 & 150 sx  
 INCOR w/ 4% gel.

Event  
 Date

Spud  
 TD

5/1/60  
 5/13/60

5/2/60

5/9/07

5/15/60

5/14/60