

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
June 19, 2008

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

WELL API NO. 30-045-24737

5. Indicate Type of Lease  
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

**Gallegos Canyon Unit**

8. Well Number **197E**

9. OGRID Number **778**

10. Pool name or Wildcat  
**Basin Dakota**

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 3092 Houston, Tx 77253-3092**

4. Well Location

Unit Letter **G** : **1550** feet from the **North** line and **1710** feet from the **East** line  
Section **36** Township **29N** Range **12W** NMPM **San Juan** County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**5428' GR**

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 ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐ **RCVD SEP 8 '09**  
**OIL CONS. DIV.**  
**DIST. 3**

OTHER: **Un-planned Cement & BH issue** ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)  
SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

**08/17/09 Verbal approval from K. Roberts (NMOCD) to cement & report back after drilling out cmt & pres test. RU Schlumberger; Run CBL 5700' - surface. Good Cmt 5700' - 1528'. RD WL. RU Schlumberger for cmt job. Est. circulation; spot 17 sxs CIs G cmt @15.6#; 3365' - 3165'. Pull 6 stands slowly; reverse w/15 bbls wtr. Pull tbq; pmp on csg to pressure up to 500#; pmp 1.5 bbls; no pressure; SI. RD Pmp Service.**

**08/18/09 Pressure up well to 500# -- good test, csg = 0#, tbq = n/a, bh = 18# - open & blow down in 30 seconds, then slight blow, in 1 minute some fluid starts to come out -- got sample for Baker Petrolite to test, SI - in 1 minute psi up to 15#, pull out of hole with tbq. TIH to 3150'+/-, found soft cmt; pull 10 stands. RU & reverse circ tbq; make sure clean,.**

**08/19/09 csg = 0# tbq = 0#, bh = 18#, open & blow down in 1 minute. Slight blow on BH after 3 min. some fluid coming out, then flowing, got back about 1 gallon per minute with 1 5 gallon bucket. SI. Chng out csg valves. Tst flange seal to 500# -- good test. TIH; tag hard cmt, drill out cmt plug. Circ well, -- pressure tst well to 500#, had slight drop off (75# in 10 minutes), problems with leaks at surface -- will check again after csg scraper run,  
**Took copy of CBL to NMOCD - gave to Charlie Perrin, fluid sample from bh was given to Baker Petrolite to check out.****

**08/20/09 TIH w/bit. Wk Csg scraper across sqz'd area. Made 2 pressure test on sqz area; both tests to 550#; each time press drop of 100# in 5 min. Mix & Pmp 40 sxs; cIs G cmt 3427' - 3107'; Density 15.80; Yield 1.150 cuft/sk. Pressure DN to 425#; Bump up to 650#. 15 min. PSI DN to 575#; @ 16:00 psi @ 510#. RD Schlumberger. Secure Well.**

**08/24/09 CSG 100#; Tbg 100#; BH 20#; Rels Pres from CSG & Tbg. Blw DN BH. TOH. RU Blue Jet Logging & run Noise Log 2000' - surface w/BH closed. 2<sup>nd</sup> Run w/BH open results showed a gas intro @1050' - 1100'. & fluid entry @450'. RD wireline. TIH; tag & drill out cmt. Brought copies to NMOCD & gave to C, Perrin who had the CBL. Circ clean; Pres Tst to 600#; lost 15# in 15 min.**

**08/25/09 CSG & Tbg 0#; BH 20#. PU power swivel, drill on cmt; broke through. Set back Power Swivel; continue TIH; picking up Tbg; no more Cmt plug. Csg Scraper; Wk across Sqz area; Press up to 555#; Close in; isolate WH/Csg; held 15 min. No drop in pressure. Rise Press; TOH;. **14:30 Called K. Roberts @ NMOCD** to be sure of perforating depth for BH Sqz. He was waiting on call from BP Houston to discuss perf depth.**

08/27/09 RU Wireline; TIH; correlate depth; **TIH w/3.125" gun & Shoot 4 SPF @1121'** as per BP Houston / NMOCD. **Witness by NMOCD (Monica Keuhling)** Use Rig Pmp to get circ out sqz holes & up - out BH, about 2.5 BPM @ 400#, RD WL, TIH; SET 4 1/2" PKR @811'. RU Schlumberger CMT's, BH Pressure -- NOW 250#, BLW DN Slowly in 8 min. PMP DN TBG w/green dye - through PKR - out perfs - up annulas to BH, After 7 BBLS got fluid, After 12 BBLS got surges, 19 BBLS - No fluid returns 25 BBLS Circ Back, 35 BBLS - SURGING, PMP'D TOTAL 70 BBLS - very small returns - then none - 400# on TBG. Found 2" lines plugged from well w/trash - small chunks CMT / formation, clean lines; switched to 3" flow line & to flow back tnk, (trash made the turn coming out of bh but kept clogging lines), PMP'd again DN TBG, Could hear chunks of trash hitting flow line -- then seemed to clean up, couldn't get more wtr trucks until 16:00+ this afternoon, made decision use remaining wtr & clean up annulas, (pumped 180+ bbls total) believe well is clean. SI; secure well.

08/28/09 **NMOCD Rep Monica Keuhling on location.** BH on slight vac. Rig to 3" LINE; Establish Circ, Pmp 10 BBLS -- got clean fluid - switched to city wtr to clean tub. **MIX & PMP 385 SKS "G" NEAT CMT (73 BBLS)**, 1124' - surface; Density 15.80 ppg; Yield 1.150 cuft/sk started off @2 BPM & 250#, returns would be intermittent with dirty wtr (some with green dye), got lots of fine sand / some fine coal in returns. Would gain & lose returns through out job, after 60 BBLS PMP'd PSI went up to 850# & little if any returns, Cut CMT - Went to pmp cmt tub DN -- then almost full returns, Rig back to CMT & mixed remaining 13 bbls @1.2 BPM & 550#, Washed up before starting displacement, displace 6 bbls @ 1.5 bpm & 250#, then shut down, ( 8 bbls total to sqz holes ) PSI DN to 165#, Wait 30 MINS (1) PMP'd 1/4 BBL -- PSI went from 165# up to 215#, Shut DN for another 30 minutes, PSI DN to 160# -- (2) PMP'd 1/4 BBL -- PSI UP TO 240#, Shut DN for another 30 minutes, PSI DN to 160#, (3) PMP'd 1/4 BBL - PSI up to 260#, Wait 30 MINS, PSI DN to 180#, (4) PMP'd 1/4 BBL PSI up to 370# 1 BBL CMT Left above Sqz holes, SI. RD Schlumberger.

08/31/09 pressures csg = 0#, tbg = 0#, **BH = 25#**, open BH -- bld off fast (30 seconds)-- same amount of wtr as before **TOH w/ pkr / tbg**. TIH with tbg / bit, **tag cmt @ 967'**, RU power swivel, Drill out cmt stringers down to 1060' then solid cmt, hard cmt, circ hole clean, set back power swivel, TOH. TIH w/Csg Scraper, work across cemented area. **Run cmt bond log 1520' to surface, CBL showed top of cmt @ 620'+/-, take copy over to NMOCD in morning. E-mail copy to Nona Morgan in Houston.** Open BOP's, get air out of the csg, use rig pmp - **pressure tst csg / sqz holes to 600#**, isolate wellhead, pressure leaked off 110# in 5 minutes - secure well / location for night

09/01/09 check well pressures, csg = 0#, tbg = n/a, bh = 25#, open BH; blow down; no psi in 45 seconds. TIH w/2 3/8" tbg to 1162' ( **squeeze holes at 1121'** ). **Bring copy of latest CBL & consultant with Charlie Perrin , Kelly Roberts, & where to shoot to seal off BH \*\*** --- RU Schlumberger pumping service.

09/02/09 check well pressures, csg = 0#, tbg = n/a, bh = 25#, waiting on orders from Houston, at 10:15 did roll the hole w/wtr (tbg is open ended @ 1162' ), close in wellhead, use rig pmp & pressure up to 50# on csg to check hole at 1121', close in and isolate wellhead, in 5 minutes lost 4#, in 20 minutes lost 18#, continue to wait on orders.

09/03/09 **\*\* decision made to shoot @ 565'.**

**NOTE: Per NMOCD request - BP engineer writing procedure and will send with C-103 sundry to Aztec office ASAP**

Spud Date:

12/26/1981

Rig Release Date:

N/A

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Cherry Hlava TITLE Regulatory Analyst DATE 09/03/2009

Type or print name Cherry Hlava E-mail address: Hlavacl@bp.com PHONE: 281-366-4081  
**For State Use Only**

APPROVED BY: Felix G. Ruiz TITLE Deputy Oil & Gas Inspector, DATE SEP 08 2009  
Conditions of Approval (if any): District #3

by