

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DEC 14 2007

FORM APPROVED  
OMB No 1004-0135  
Expires July 31, 2010**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.*Bureau of Land Management  
Farmington Field Office5 Lease Serial No  
**SF - 078106**

6 If Indian, Allottee or tribe Name

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

***SUBMIT IN TRIPLICATE – Other instructions on reverse side***

1 Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

8 Well Name and No

**Gallegos Canyon Unit 209E**

2 Name of Operator

**BP America Production Company Attn: Cherry Hlava**

9 API Well No

**30-045-24865**

3a Address

**P.O. Box 3092 Houston, TX 77253**

3b Phone No (include area code)

**281-366-4081**

10 Field and Pool, or Exploratory Area

**Basin Dakota**

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

**SEC 15 T28N R12W 1850' FNL 1120' FWL SWNW**

11 County or Parish, State

**SAN JUAN, NM**

## 12 CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OR 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



Water Disposal



Convert to Injection



Plug Back

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 recomplete 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 recompletion 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 site is ready for final inspection.

**Compliance Well** BP America has reviewed the above mentioned well and finds no further reserves potential

remaining. BP respectfully requests permission to plug and abandon said well.

RCVD DEC 27 '07  
OIL CONS. DIV.  
DIST. 3

Please find attached the P&amp;A procedure. Should you have any questions please call Kegan Rodrigues @281-366-3457

14. I hereby certify that the foregoing is true and correct  
Name (Printed/typed)**Cherry Hlava**Title **Regulatory Analyst**

Signature

*Cherry Hlava*Date **12/13/07**

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

**Original Signed: Stephen Mason**

Title

Date

**DEC 21 2007**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

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

NMOCD

8

**San Juan South P&A Procedure**  
**GCU 209E**  
**30-045-24865**

Date:	December 13, 2007		
Location:	T28N-R12W-Sec15-Unit E		
County:	San Juan		
State:	New Mexico	Engineer:	Kegan M. Rodrigues
Horizon:	Dakota	Office:	(281)366-3457
Expected BHP:	1050 psig	Cell:	(713)540-8434
Expected BHST:	152 F		

Gas BTU content for this well is 1273.9 and the specific gravity is 0.7386. NOP 7803 and 7814 must be followed for gas BTU  $\geq$  950.

---

**Objectives**

**P&A Wellbore. Locate TOC on 4 -1/2" csg. Ensure interval isolation throughout wellbore.**

1. TIH and POH with completion string
2. Set CIBP and Pressure test 4-1/2" casing.
3. Run CBL on 4-1/2" casing.
4. Determine squeeze work as necessary.
5. Pump DK cement plug.
6. Spot cement plug for Gallup interval.
7. Spot cement plug for Point Lookout interval.
8. Spot cement plug for Menefee & Cliff House interval.
9. Spot cement plug for Picture Cliffs interval.
10. Spot cement plug for Fruitland Coal interval.
11. Place cement plug from 8-5/8" casing shoe to surface.
12. Cut off wellhead; ensure casing and all annulus are cemented; Set P&A marker.
13. Rig down, move off location.
14. Restore location as specified.

---

**History**

- The well was originally drilled on 11/17/81 as a DK well
- Well completed in DK on 12/05/81; perforated interval 5914'-6030', 106 holes
- Well has had a history of H2S problems; 19-92 ppm at wellhead 9/13/04, 7ppm 9/16/2005, 4ppm 7/26/2006
- Workover in 9/2004 as well producing < 25MCFD; cleaned out fill and returned to production. H2S recorded on well.
- Well shut in 3/5/2007 for engineer evaluation, plunger down.
- Fluid level shot and fished plunger 10/2/2007; fluid @ 4100'
- Swabbed for two days and fluid did not move 10/2 & 10/3/2007

## Detailed Procedure

1. Contact BLM and NMOCD 24hrs before beginning P&A process to ensure scheduling of personnel to witness casing pressure testing, CBL results, and cement placement.
2. Perform pre-rig site inspection. Per Applicable Documents, check for: size of location, gas taps, other wells, other operators, production equipment, wetlands, wash (dikes req.), H<sub>2</sub>S, barriers needed to protect equipment, landowner issues, location of pits (buried lines in pits), raptor nesting, critical location, check anchors, ID wellhead, etc. Allow 48 hours for One Call if earth pit is required.
3. Have location stripped prior to rig move as this is a final wellbore P&A.
4. Perform second site visit after lines are marked to ensure all lines locations are clearly marked and that Planning and Scheduling has stripped equipment and set surface barricades as needed.
5. LO/TO all required equipment, including, but not limited to the meter run, automation, separator, etc.
6. Check and record tubing, casing, and bradenhead pressures daily. Ensure production casing and bradenhead valves are double valved.
7. Check gas H<sub>2</sub>S content and treat if  $\geq 10$  ppm. Treat for H<sub>2</sub>S as necessary per the H<sub>2</sub>S Wells Notice. Note: well is an H<sub>2</sub>S well; as high as 19-92 ppm at the wellhead 9/13/04.
8. RU slickline unit. RIH with sinker bar through tubing tail to ensure all plunger lift equipment is out of the tubing and there are no obstructions.
9. RIH and set two barriers; plug in profile nipple and BPV in hanger for isolation in tubing string. (1.77" nipple @ 6025') Conduct this work per the Well Control Notice.
10. MIRU workover rig. Hold safety meeting and perform JSA. Complete JHA. Verify that all necessary production equipment is isolated (LOTO).
11. Make up 3" flowback line(s) and blow down well. Kill with 2% KCL or fresh water as necessary.
12. Check all casing strings to ensure no pressure exist on any annulus. Record tubing, casing and bradenhead pressures. The operations of removal of wellhead and installation of BOP will be performed per the DWOP Dispensation for a single mechanical barrier in the annulus.
13. ND wellhead. NU BOP and diversion spool with 3" outlets and 3" pipe to the pit or vent tank. Monitor flowing casing pressure with gauge (with casing flowing to blow tank) throughout job, if available. Pressure test BOP to low of 250 psi for 5 minutes and high of 1200 psi; 200 psi above anticipated BHP of ~1000 psi. Install spool, stripper head, and stripping rubber. Pull tubing hanger up above pipe rams, close pipe rams, and strip tubing hanger out of hole.

14. TOH w/ 2-3/8" tubing currently set @ 6028'. Visually inspect tubing while POOH for corrosion, scale etc and report to engineer. Use existing tubing as the workstring if it appears to be in good condition. Work will be done per the "Under Balance Well Control Tripping Procedure".
15. TIH with bit and scraper for 4-1/2" casing to the top of the Dakota perforations at 5914'. Clean out and POOH w/ scraper.
16. RIH w/ 4-1/2" CIBP on workstring and set plug @ 5870' avoiding any casing collars.
17. Load hole and circulate out any produced fluids. Pressure test casing to 1000 psi. If casing doesn't test RIH with retrievable plug and find hole in casing. Contact engineer if squeezes are required. Monitor bradenhead for any signs of communication.
18. RU wireline and run USIT/CBL on 4-1/2" casing from 5870' to surface. Report casing load and pressure test results, bradenhead pressure and bleed details, and TOC to the BLM, NMOCD, and Engineer. NOTE: Expected cement to surface from volumetric calculations.
19. Upon reviewing the 4-1/2" CBL results, it will be determined if and where cement will be needed behind casing to cover the required intervals. The steps below assume good cement to surface. The following steps are subject to change based on the casing pressure test and CBL results.
20. RIH with 2-3/8" open-ended workstring to 5870'. Spot 150' (13.4 cu. ft) of G-Class cement on top of CIBP from 5870-5720'. This will isolate the DK interval. WOC.
21. POOH to <sup>93</sup>5042'. Pump and displace a 150' (13.4 cu. ft) G-Class cement plug from <sup>93</sup>5042' to ~~4892'~~ <sup>4943'</sup>. This will isolate the Gallup formation.
22. POOH to 3836'. Pump and displace a 150' (13.4 cu. ft) G-Class cement plug from 3836' to 3686'. This will isolate the Point Lookout formation.
23. POOH to 3020'. Pump and displace a 253' (22.6 cu. ft) G-Class cement plug from 3020' to 2767'. This will isolate the Mennefee and Cliff House formation.
24. POOH to <sup>1424'</sup>1375'. Pump and displace a 150' (13.4 cu. ft) G-Class cement plug from <sup>1424'</sup>1375' to ~~1225'~~ <sup>1274'</sup>. This will isolate the Picture Cliffs formation.
25. POOH to <sup>1150'</sup>550'. Pump and displace a 150' (13.4 cu. ft) G-Class cement plug from <sup>1150'</sup>550' to ~~400'~~ <sup>1000'</sup>. This will isolate the Fruitland Coal formation.
26. POOH to <sup>380'</sup>75'. Pump and displace a <sup>380'</sup>75' (6.7 cu. ft) G-Class cement plug from <sup>380'</sup>75' to surface inside the 4-1/2" casing (assuming casing does not need to be perforated for squeeze work). POOH w/ work string, making sure to top off 4-1/2" casing. This will place a cement plug to surface according to NMOCD requirements (50' minimum surface plug). WOC.
27. ND BOP. Perform underground disturbance and hot work permits. Cut off tree. Send wellhead equipment to service company for evaluation and restocking.

28. If cement cannot be seen on all annuli and casing strings after removing wellhead, remedial cementing at the surface will be required.
29. Install 4' well marker and identification plate per NMOCD requirements.
30. RD and release all equipment. Remove all Wells Team LOTO equipment.
31. Ensure all well work details and well bore equipment report are entered in DIMS. Print DIMS summary of work and wellbore diagram and put in well file. Notify Sherri Bradshaw and Cherry Hlava of completed P&A for final regulatory agency reporting and database clearing.
32. Submit work request to Planning and Scheduling to prepare location for reclamation and reseedling.

# GCU 209E

Country: UNITED STATES  
Region: NORTH AMERICA  
Bus. Unit: NAG SPU  
Perf Unit: SAN JUAN  
Field: BASIN-DAKOTA-GAS  
Asset: SAN JUAN SOUTH

Event: WELL SERVICING  
Event Start: 9/10/2004  
Event End: 9/27/2004  
Objective: TUBING REPAIR  
Contractor: AZTEC WELL SERVICING  
State: NEW MEXICO

Wellbore: OH  
Top TMD: 0.0 ft  
Bottom TMD: 0.0 ft  
Spud: 11/17/1981

Orig KB Elev: 0.00 ft  
Ground Elev: 0.00 ft  
KB to GL: 0.0 ft  
Rig Release: 9/27/2004

Casing Components	Comp. Depth /	(Depth / Well sketch)	Tub. / Perf Depth	Tubing / Rod Components
			12.0 ft	1 - TUBING HANGER, 2.375
			12.7 ft	187 - TUBING, 2.375, 4 7/8, J-55,
			6,020.2 ft	1 - PROFILE TOOL, 2.375
			6,021.2 ft	1 - TUBING SUB, 2.375 X 4 FT
			6,025.3 ft	1 - PROFILE TOOL, 2.375
			6,026.3 ft/6,028.3 ft	1 - MULE SHOE, 2.375



## CURRENT WELLBORE

### Gallegos Canyon Unit 209E??

Dakota Basin  
API # 30-045-24865  
1850' FNL & 1120' FWL, Sec. 15  
T-28-N, R-12-W  
San Juan County, New Mexico

GL 5532'  
KB

#### Well History:

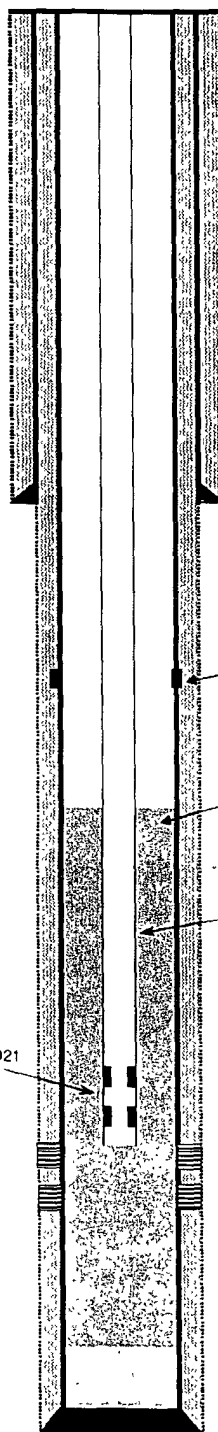
Drilled on 11/17/81 DK  
Completed in DK on 12/05/81  
Workover in 9/2004, C/O fill & returned to prod  
Well shut in 3/5/2007 for engineer evaluation  
Fluid level shot and fished plunger 10/4/2007

#### Formation Tops:

Ojo Alamo	Not on logs
Kirtland	Not on logs
Fruitland	550
Picture Cliffs	1375
Lewis Shale	1520
Cliff House	2917
Mennefee	3020
Point Lookout	3836
Mancos	4135
Gallup	5042
Greenhorn	5814
Graneros Dak	5915
Main Dakota	5800

#### Completion BHA:

1 7/8" ID nipple @ 6020'  
tubing sub 2 3/5" x 4" @ 6021  
1 7/8" ID nipple @ 6025'  
mule shoe 2 3/5" @ 6026'



12 1/4" Hole  
8 5/8", K-55, 24# @ 330'  
Cmt w/ 325 sxs Class "B" neat w/ 2% CaCl<sub>2</sub>  
Good cement circulated to surface

DV Tool @ 2892'

Fluid Level @ 4100'

2 3/8", 4 7#, J-55, EUE 8rd @ 6028'

#### Dakota Perforations

5914' - 5928', 5988' - 6018', 6021' - 6030',  
2 SPF, 90° phasing 0 38" hole, 106 holes  
Frac w/ 93K gal 126,500# 20/40 Sand

7 7/8" Hole  
4 1/2", K-55, 10 5# @ 6152'  
Stage1) Cmt w/ 660 sxs Class "B" neat w/ 50 50 POZ, 6% Gel,  
2# medium tuf plug-sack, and 0.8% fluid loss additive  
Tailed in 100 sxs of Class "B" neat Circulated to surface  
Stage2) Cmt w/ 550 sxs Class "B" neat w/ 63 35 POZ 6%Gel  
2# medium tuf plug-sack, and 0.8% fluid loss additive  
Tailed in 100 sxs of Class "B" neat Circulated 20 sxs to surface

Kegan Rodrigues 12/10/07



## PROPOSED P&A WELLBORE

**Gallegos Canyon Unit 209E??**  
Dakota Basin  
API # 30-045-24865  
1850' FNL & 1120' FWL, Sec 15  
T-28-N, R-12-W  
San Juan County, New Mexico

G.L. 5532'  
K.B.

### Well History:

Drilled on 11/17/81 DK  
Completed in DK on 12/05/81  
Workover in 9/2004, C/O fill & returned to prod  
Well shut in 3/5/2007 for engineer evaluation  
Fluid level shot and fished plunger 10/4/2007

### Formation Tops:

Ojo Alamo	Not on logs
Kirtland	Not on logs
Fruitland	550
Picture Cliffs	1375
Lewis Shale	1520
Cliff House	2917
Menefee	3020
Point Lookout	3836
Mancos	4135
Gallup	5042
Greenhorn	5814
Graneros Dakota	5915
Main Dakota	5800

### Fruitland Coal Plug

TOC @ 400'  
150 ft, 13.4 cu ft  
G-Class cement

### Picture Cliffs Plug

TOC @ 1225'  
150 ft, 13.4 cu ft  
G-Class cement

### Men & Cliff Plug

TOC @ 2767'  
253 ft, 22.6 cu ft  
G-Class cement

### Point Lookout Plug

TOC @ 3686'  
150 ft, 13.4 cu ft  
G-Class cement

### Gallup Plug

TOC @ 4892'  
150 ft, 13.43 cu ft  
G-Class cement

### Dakota Plug

TOC @ 5720'  
150 ft, 13.4 cu ft  
G-Class cement

### Surface Plug

TOC @ surface  
75 ft, 6.7 cu ft  
G-Class cement

12 1/4" Hole

8 5/8", K-55, 24# @ 330'  
Cmt w/ 325 sxs Class "B" neat w/ 2% CaCl<sub>2</sub>  
Good cement circulated to surface

DV Tool @ 2892'

Proposed wellbore pictured here is based on good cement to surface results obtained from USIT/CBL logs. Plugging plan and wellbore sketch is subject to change.

CIBP @ 5870'

### Dakota Perforations

5914' - 5928', 5988' - 6018', 6021' - 6030'  
2 SPF, 90° phasing, 0.38" hole, 106 holes  
Frac w/ 93K gal, 126,500# 20/40 Sand

7 7/8" Hole

4 1/2", K-55 10 5# @ 6152'  
Stage 1) Cmt w/ 660 sxs Class "B" neat w/ 50.50 POZ, 6% Gel.  
2# medium tur plug/sack, and 0.8% fluid loss additive  
Tailed in 100 sxs of Class "B" neat Circulated to surface.  
Stage 2) Cmt w/ 550 sxs Class "B" neat w/ 63.35 POZ, 6% Gel  
2# medium tur plug/sack, and 0.8% fluid loss additive  
Tailed in 100 sxs of Class "B" neat Circulated 20 sxs to surface

TD 6156'  
PBD 6068'

Kegan Rodriguez 12/10/07



**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
1235 LA PLATA HIGHWAY  
FARMINGTON, NEW MEXICO 87401**

Attachment to notice of  
Intention to Abandon:

Re: Permanent Abandonment  
Well: 209E Gallegos Canyon Unit

**CONDITIONS OF APPROVAL**

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.
3. The following modifications to your plugging program are to be made:
  - a) Place the Gallup plug from 5093' – 4943'.
  - b) Place the Pictured Cliffs plug from 1424' - 1274'.
  - c) Place the Fruitland plug from 1150' - 1000'.
  - d) Place the Kirtland/Ojo Alamo/Surface plug from 380' to surface.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.