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

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

Form C-103
June 19, 2008

WELL API NO. **30-045-07670**

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

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.)

7. Lease Name or Unit Agreement Name
Gallegos Canyon Unit

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

8. Well Number **169**

2. Name of Operator
BP America Production Company

9. OGRID Number **778**

3. Address of Operator
P.O. Box 3092 Houston, Tx 77253-3092

10. Pool name or Wildcat
Dakota

4. Well Location
Unit Letter **I** : **2360** feet from the **South** line and **1115** feet from the **East** line
Section **35** Township **29N** Range **12W** NMPM **San Juan** County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
5377' GR

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☒	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
OTHER:	☐			OTHER:	☐		

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.

BP respectfully request permission to plug and abandon the entire wellbore as per the attached procedure.

RCVD DEC 2'09
OIL CONS. DIV.
DIST. 3

Spud Date: 08/27/1964 Rig Release Date:

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 11/30/2009

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

For State Use Only

APPROVED BY: Kelly G. Roberts TITLE Deputy Oil & Gas Inspector, District #3 DATE DEC 10 2009

Conditions of Approval (if any): BRING THE TOP OF THE GALLUP PLUG TO 4,885'.
PLACE A PLUG FROM 2270' - 2370' INSIDE AND OUTSIDE CASING TO ISOLATE THE CHACRA FORMATION

SJ Basin Plug & Abandonment Procedure
30-045-07670

Well Name:	GCU 169 Dakota		
Date:	November 29, 2009		
Location:	T29N-R12W-Sec 35 I		
County:	San Juan		
State:	New Mexico	**Meter #:**	75058
P/L:	Enterprise	**Gat Sys:**	CHACO
Horizon:	DK	**Engr:**	Nona Morgan
CO2%:			ph (281)-366-6207
H2S:	None known		

Objective: Plug and Abandonment

1. TIH and pull out completion
2. Cleanout wellbore
3. Isolate wellbore to check casing integrity
4. Run CBL of 4.5" casing & consult w/ NMOCD
5. Set cement plugs to isolate intervals.
6. Install markers.
7. Rig down move out.
8. Reseed location as necessary

Well History:
Spud date: August 1964
Well Repair 6/1993 - Bradenhead Squeeze
Proposed Recompletion to FC and Abandon Dakota 11/1999
Resubmitted Proposal & Requested to Recomplete to FC and DHC w/ Dakota
Sundry to Return well to Production as Dakota only 3/2005

Current Status - The well is shut in and unable to produce. The pumper has not been able to keep the well unloaded and produce it consistently in recent years because the bottom hole pressure is too low to effectively operate the plunger. A Rod up is not practical because the well sits in an HCO area with a surrounding neighborhood. The well was not recommended for uphole recompletion per our RE because of the production interference that would occur with the existing PC & FC wells, GCU 515 and 410 respectively in the same section. In this area of the GCU the FC & PC are virtually the same reservoir.

Procedure:

Preparations

Wellsite Preparations and Agency Notifications:

1. Notify the following Inspectors 48 hours before working on the well;

   Charlie Perrin 505-334-6178 ext.11 or Kelly Roberts 505-334-6178 ext. 16 (NMOCD)

2. Perform pre-rig site inspection. Per Applicable documents, check for:
   (1) size of location, (2) gas taps, (3) other wells, (4) other operators, (5) production

equipment, (6) wetlands, (7) wash (dikes requirements), (8) H2S, (9) barriers needed to protect equipment, (10) landowner issues, (11) location of pits (buried or lines in pits), (12) raptor nesting, (13) critical location, (14) check anchors, (15) ID wellhead, etc. Allow 48 hours for One Call if earth pit is required.

3. Identify wellhead for proper flange connections and BOP equipment.

4. Work with GCU through CoW and w/P&S to develop a plan to move or temporarily relocate equipment that prohibits well servicing/plugging objectives.

5. Notify land owners with gas taps on well.

6. Perform and second site visit after lines are marked to ensure all lines locations are clearly marked and that Planning & Scheduling has stripped equipment and set surface barricades as needed.

7. Properly lock out/tag out any remaining production equipment. Ensure all necessary production equipment is isolated (LOTO) including, but not limited to the meter run, automation, and separator, etc.

Initial Well Checks & Preparations:

8. Check gas H2S content and treat if the concentration is > or equal to 10 ppm/Treat for H2S, if necessary per H2S Wells NOTICE.

9. MIRU workover rig. Conduct proper JHA and fill out permits. Complete necessary paperwork and risks assessment.

10. Check and record tubing, casing and bradenhead pressures daily. Ensure production casing and bradenhead valves are valved as per DWOP 15.3. Check lock down pins on hanger.

11. Pressure test tree and hanger to 200 psi above SITP. Make up 3" flowback line, if necessary and blow down well. Kill with 2% KCL water or fresh water, as necessary. Check all casing strings to ensure no pressure exist on any annulus.

12. RU slickline and RIH tag and locate fill inside tubing. POOH.

Completion Removal, Cleanout Wellbore & Pressure Test Casing

13. RU slickline and set mechanical barriers plugs/bpv in tubing and tubing hanger or install "G" packoff.

14. Blowdown and kill tubing and casing strings. RD slickline.

15. Nipple down Wellhead. Reference "No Dual Barrier in Annulus During All Well Servicing" dispensation. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 250 psi on the low end and on the high range at 1500 psi.. Monitor flowing casing pressure with gauge (with casing flowing to blow tank), if available, throughout workover.

16. Install stripping rubber. Pull tubing hanger up to rubber and shut pipe rams. Bleed pressure above rams. Pull stripping rubber and hanger up to floor. Remove hanger and replace stripping rubber.

17. Open rams and TOOH w/ 2-3/8 production tubing currently set at 5873'. PBTD 5996' Use approved "Under Balance Well Control Tripping Procedure". Visually inspect tubing while POOH. *(It is acceptable to use the existing tubing as workstring, if it appears to have good integrity based on normal inspection procedures. - WSL's discretion.)*

18. TIH w/ bit & scraper for 4- 1/2" casing to the top of the Dakota perfs at 5854' and clean out to PBTD.

19. RIH with 4-1/2" CIBP on workstring and set at 5770'.

20. Load hole and circulate out any produced fluids. Pressure test wellbore to 500 psi for 15 minutes. Monitor bradenhead for indications of communication while this is being done.

21. RU slickline and run Schlumberger CBL for 4-1/2" casing from ~5779' to surface. RD slickline. Report casing load, cement quality, and pressure test results, bradenhead pressure and bleed details, and TOC to the NMOCD, and Production Engineer.

Spot Plug Locations and Pump Cement to plug off Dakota Productive Interval:

22. RIH with 2-3/8" open-ended workstring 5779'. Spot 250' or ~32 sacks - **(41 cu. Ft.)** of G-Class cement on top of CIBP from 5529-5779'. This will isolate the entire Dakota Gas bearing productive intervals.

23. Load and circulate fluids through as necessary. PU slowly to 5400' and WOC.

24. Based on 4-1/2" CBL forthcoming results, it will be determined if and where cement will be required behind casing to squeeze off the Dakota, Gallup, Mesa Verde and PC/FT productive intervals. (Note that a Bradenhead squeeze was done in 6/1993).

    The next steps listed below assume the TOC behind the 4-1/2" casing is available in sufficient quantities to surface to fully plug off the identified producing intervals from a depth of 5779' to surface. However, the order and detail of the next steps could change based on the casing pressure tests and CBL results. If necessary, a modified procedure that has been agreed upon by the NMOCD will be issued at that time to fully isolate and squeeze off any portion of the producing intervals where cement is found to be inadequate according to log reports. The *engineer should be consulted throughout the plugging and abandonment procedures. All CBL and pressure test results will be reported to the onsite NMOCD representatives.*

Set Cement Plug to Isolate & Plug off Gallup Productive Interval: No Perforations Present

25. Mixup and pump in with 2-3/8" open-ended workstring to spot 400' or ~50 sacks - **(66 cu. Ft.)** of G-Class cement from 5400' to ~~5000'~~ 4885 to isolate Gallup interval. *It is assumed good cement behind pipe in this interval.*

26. Load fluids and circulate fluids through as necessary. POOH and WOC.

Isolation of Mesaverde Produced Water (Injected) Interval: No Perforations Present

27. RIH w/ 4-1/2" cement retainer and set @ 4000' in preparation to isolate and plug off Mesaverde production interval. POOH.

28. RIH w/ 2-3/8" open-ended workstring to 3960' and spot 1200' or 150 sacks (198 **cu ft**) of G-Class cement on top of cement retainer from 3960' to 2760'.

29. Load fluids and circulate through as necessary. PU slowly to 2500' and WOC. It is assumed good cement behind pipe in this interval.

Chacra, Top 2320

CHACRA PLUG FROM 2270'- 2370' INSIDE AND OUTSIDE CASING

Isolation of PC/FT Productive Interval: No Perforations Present

30. Mix up and pump in w/ 2-3/8" open ended workstring to spot 500' or ~ 62 sacks- (**83 cu ft**) of G- Class cement from 1450'-950' to plug off PC/FT Productive Interval. WOC. *It is assumed good cement behind pipe in this interval.*

31. Load fluids and circulate through as necessary. POOH and WOC.

Set Cement Plugs to Isolate, Plug off & Squeeze Behind Pipe @ Shallow Zones near Aquifers

32. Based on 4-1/2" CBL forthcoming results, it will be determined if and where additional cement will be required behind casing to meet regulatory requirements to squeeze off the Ojo Alamo interval.

33. At this point however, no remedial squeezing is being recommended because a BH repair was performed in June of 1993. However, if a cement squeeze is required, the ability to pump will depend on results from the current CBL run.

Note: This step should only be done as directed by Regulatory Authorities based on the TOC found by an up-to- date CBL run or alternate acceptable Method of Test or Test data.

34. To cover the Ojo Alamo shallow water zone behind pipe would require squeezing from a depth of 400' (estimated) to surface.

35. RIH and set a 4-1/2" cement retainer at 400' with a 2-3/8" workstring. Perforate holes.

36. Stab into retainer and squeeze **37 cu ft** Class G cement or 28 sxs into annular space behind casing to surface to isolate Ojo Alamo.

37. Unsting from retainer and spot 450' **(74.58 cu ft)** G- Class cement or w 56 sxs on top of retainer. POOH w/ workstring. This will put cement across the Ojo Alamo aquifer intervals inside the 7" casing from 450' to surface.

Final Plugging and Abandonment steps:

38. After completion of the above described or modified cementing procedures, If cement cannot be seen on all annulus and casing strings after removing wellhead, remedial cementing at the surface will be required.

39. Install 4' well marker and identification plate per NMOCD requirements.

40. RU slickline to remove all mechanical barriers and plugs. RD slickline.

41. RD service rig and release all equipment. Remove all Wells Team LOTO equipment.

42. 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.

43. Submit work request to Planning and Scheduling to prepare location for reclamation and reseeding.

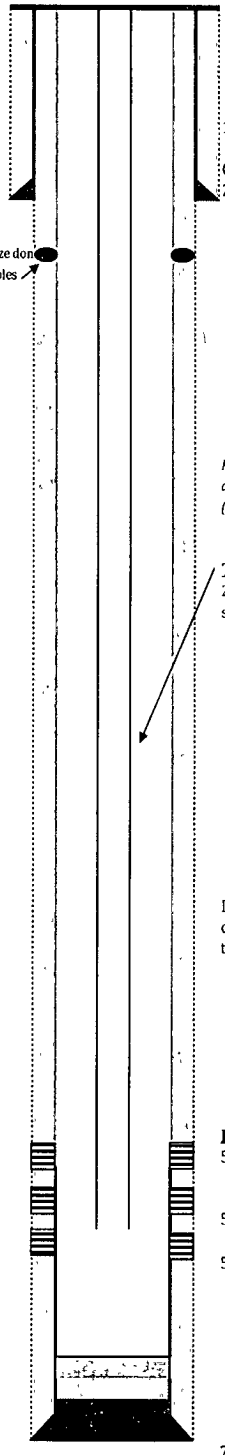
Current Wellbore

GCU 169
Dakota
API # 30-045-07670
Sec. 35, T29N, R12W
San Juan County, New Mexico

History
Spud date Aug 1964
Well Repair 6/1993 - BH Repair
Recompletion to FC 11/1999 (proposed)
Sundry to Restore Production 3/2005

FORMATION TOPS

OJAM	50	MNCS	4065'
KTLD	220	GLLP_M	5224'
FTLD	800'	GRNR	5748'
IGNA	962'	GRRS	5811'
CTWD	1142'	TWLS	5852'
CAHN	1334'	PGTE	5922'
PCCF	1353'	CBRO	5966'
LWIS	1511'	L CBRO	5983'
CHCR	2321'	ENCN	NA
CLFH	2918'	BRCN	NA
MENF	3032'	MRSN	NA
PNLK	3758'		
TD	6033		
PBTD	5996'		



5389' RDB

12-1/4" Hole size
8-5/8" casing set @ 335'
Cmt'd with 250 sx of cement containing 2% CaCl2

Plunger & stop may have been removed during a W/L tag in Dec 2009 (verify w/ report from Opns)

Tubing Details (1964)
2-3/8" 4.7# J-55 Tbg
set @ 5873'

DV Tool set @ 4039'
circ. contaminated cement to surface

Dakota Perforations
5854-5866' @ 4 spf - Not frac'd

5934-5954' @ 2 jspf
5966-5972' @ 2 jspf
Frac'd w/ 42,840 gal water containing 1% CaCl 2 & 7 lbs J-2 per 1000 gals & 50,000 lbs sand.

PBTD: 5996'
TD: 6033'

NFM (11/17/2009)

7 7/8" hole" Hole
4-1/2" casing set at 6033'
Stage 1; Cmt w/ 400 sx cement containing 6% gel and 2 lbs Tuf Plug per sx. Followed by 100 sx NEAT cement
Stage 2: Cmt w/ 1000 sx cement containing 6% gel and 2 lbs Tuf Plug per sx.

Proposed PXA