Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No 1004-0135
Expires July 31, 2010

RECEIVED
MAY 14 2008
Bureau of Land Management
Farmington Field Office

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.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5 Lease Serial No
SF - 077967

6 If Indian, Allottee or tribe Name
Navajo Tribal

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

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

8 Well Name and No.
Gallegos Canyon Unit 158E

2. Name of Operator
BP America Production Company Attn: Cherry Hlava

9 API Well No
30-045- 25138

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 & Blanco Mesaverde

4 Location of Well *(Footage, Sec , T., R , M., or Survey Description)*
1570' FNL & 1760' FEL Sec. 36 T28N, R13W SWNE

11 County or Parish, State
San Juan County, New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OR NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
Subsequent Report	☐ Change Plans	■ Plug and Abandon	☐ Water Disposal	
Final Abandonment Notice	☐ 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

It is BP's intent to clean out and produce this well. A compressor will be on location to aid in the production effort.

However, because said well is a compliance well BP respectfully requests a contingency plan to plug & abandon the entire wellbore should it not be possible to restore the well to production.

If you have any questions please call Nona Morgan @ 281-366-6207. Please see the attached P&A procedure.

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

RCVD MAY 22 '08
OIL CONS. DIV.
DIST. 3

Signature *Cherry Hlava* Date 05/13/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **Original Signed: Stephen Mason**	Title	Date **MAY 20 2008**
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

SJ Basin P&A Procedure
GCU 158E P&A
30-045-25138

Well Name:	**GCU 158E - DK**		
Date:	**May 12, 2008**		
Work Type:	**P&A**		
Location:	**T28N-R13W-Sec36**		
County:	**San Juan**		
State:	**New Mexico**		
Horizon:	**DK**	**Engr:**	**Kegan Rodrigues**
CO2:	**0.966%**		**Cell (713) 540-8434**
H2S:	**None known**		**Office (281) 366-3457**

Objectives

P&A Wellbore. Locate TOC on 4 -1/2" casing. Ensure interval isolation throughout the wellbore. Locate and plug off any casing/bradenhead leaks:

1. POH with completion string.
2. Clean out wellbore.
3. Set CIBP and pressure test casing.
4. Run CBL on 4-1/2" casing.
5. Set cement plugs to isolate intervals.
6. Locate and isolate any BH leaks and repair; conduct squeeze work if necessary.
7. Rig Down, Move out.
8. Restore location as specified.

History: Well was spudded on 05/20/1983 and completed in the Dakota on 06/10/1983. There are no records of workovers in DIMS or **NMOCD**.

Pertinent Information

Gas BTU content for this well is 1178, Sp gr. is 0.6801 (8/23/2006). Venting and Flaring document needs to be followed with the assumption that BTU content is above 950.

Date	Tubing	Casing	BH	BH Flow Test
7/7/2006	190	190	80	Blew down to nothing in 3min 40 sec; 5 min shut in @ 9 lbs
5/15/2003	160	225	88	Blew down quickly; 5 min shut in @ 1 lb
2/15/2000	261	292	21	Blew down in 35 sec; 5 min shut in @ 0 lbs

Procedure

Preparations:

1. Contact BLM and NMOCD 24 hrs 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: (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. 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 on locations are clearly marked and that Planning & Scheduling has stripped equipment and set surface barricades as needed.

5. Notify land owners with gas taps on well.

6. Lock out/tag out any remaining production equipment.

7. Check and record tubing, casing, and bradenhead pressures daily. Ensure production casing and bradenhead valves are double valved. Check hold down pins on hanger.

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. **Note: No H2S is expected at this wellsite location.**

9. RU slickline unit or wireline unit. RIH with sinker bar to ensure that all pump equipment is out of the tubing and there are no obstructions, fill etc. RIH and set two barriers; plug in profile nipple and BPV valve in tubing hanger. If BPV or nipple profile is not present, then set a tubing stop and "G"packoff @ ~100'. Dakota pressure is estimated to be 400 psi.

Rig Operations:

10. MIRU workover rig. Hold safety meeting and perform JSA. Complete necessary paperwork and risk assessment. Ensure all necessary production equipment is isolated (LOTO) including, but not limited to the meter run, automation, and separator, etc.

11. Make up 3" flowback lines and blow down well. Kill with 2% KCL water or fresh water, as necessary. RU workover rig and equipment.

12. Check all casing strings to ensure no pressure exists on any annulus. 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 BOPs and diversion spool with 3" outlets and 3" pipe to the pit or vent tank. Pressure test BOPs to low of 250 psi and high of 1500 psi. Monitor flowing casing pressure with gauge (with casing flowing to blow tank), if available, throughout workover.

14. Install spool, stripper head, and stripping rubber. Pull tubing hanger up above pipe rams, shut pipe rams, and trip tubing hanger out of hole.

15. TOOH w/ 2-3/8 production tubing currently set at 6099'. Use approved "Under Balance Well Control Tripping Procedure". Visually inspect tubing while POOH. WSL leader should determine whether or not current tubing is suitable to be used as workstring

16. TIH w/ bit & scraper for 4-1/2" casing to the top of the Dakota perfs at 6029'. Clean out wellbore and POOH with scraper.

17. RU E-line equipment. Pressure test lubricator and equipment. Pick up and RIH with CIBP. Set CIBP plug at ~5979' (Ensure plug is not set opposite a casing collar by doing a few passes at +/- 5979' with the CCL). Ensure that hole is loaded with 2% KCL water (circulate out any produced fluids) and pressure test CIBP to 1000 psi with rig pump.

18. RD wireline unit. Ensure that the casing is filled w/ 2% KCl and allow ample time for gas to settle out (few hours minimum) prior to running logs. Run CBL from 5979' to surface. Contact Engineer, Kegan Rodrigues, after running logs to evaluate the need for remedial cement work if cement coverage behind casing is inadequate.

19. **Note: If squeeze work is required then RIH with 2-3/8" tubing with a 4-1/2" mechanical set retrievable packer for leak isolation.**

20. Pressure test 4-1/2" casing above and below packer to 500 psi for 15 minutes. Monitor pressure loss and bradenhead for any indication of communication during testing. If the pressure does not hold above the packer, then proceed to isolate leak by moving packer up hole in "half intervals" and repeating pressure test of packer until leak is found. Report pressure testing results and bradenhead pressure and bleed details to the BLM, NMOCD, and Engineer. **Note: expected TOC @ 700' on 4-1/2" casing from temperature survey. The following steps assume good cement as stated in the temperature survey are subject to change based on CBL results.**

Cementing: Will be done using G-Class Neat Cement.

21. RIH with 2-3/8" open-ended workstring to CIBP @ 5979' and spot 150' or ~13.08 cu. ft. (11.4 sks) of G-Class cement on top of CIBP from 5979'-5829'. This will isolate the Dakota and Greenhorn intervals. WOC.

22. POOH to 5095'. Pump and displace a 150' or ~13.08 cu. ft (11.4 sks) of G-Class from 5095' to 4945'. This will isolate the Gallup formation.
2986 2986

23. POOH to ~~2372~~'. Pump and displace a 150' or ~13.08 cu. ft (11.4 sks) of G-Class from ~~2372~~' to ~~2222~~'. This will isolate the Mesa Verde formation.
2536 Chacra plug-Tapat 2320 - plug 2372-2222

24. POOH to 1482'. Pump and displace a 150' or ~13.08 cu. ft (11.4 sks) of G-Class from 1482' to 1332'. This will isolate the Pictured Cliffs formation.
1172' 1172'

25. POOH to ~~896~~'. Pump and displace a 150' or ~13.08 cu. ft (11.4 sks) of G-Class from ~~896~~' to ~~746~~'. This will isolate the Fruitland formation
1012'

26. POOH with 2-3/8" workstring. RU wireline w/ perforating gun and RIH to +/-500' and perforate 4-1/2" casing with 4SPF and POOH with guns. RD wireline. RIH with workstring and set retainer @ ~450'. Once injection rate has been established attempt to pump ~164 cu. ft (143 sks) cement to squeeze cement to surface behind 4-1/2" casing and to place 50' cement below retainer. Pump excess cement as necessary.

24. If and when cement to surface is obtained, shut bradenhead valve and attempt to walk squeeze to obtain a ~200 psi squeeze pressure. WOC. Consult with engineer during squeeze work.

25. If squeeze is unsuccessful try to pump cement from surface down bradenhead. **Note: this will be contingent upon cementing results and NMOCD approval.**

26. Pressure test squeeze to ~200 psi. If squeeze does not test, contact engineer. Engineer will work with NMOCD/BLM on repairing the leak. Procedures may have to be modified per the NMOCD/BLM.

27. Un-stab from retainer and spot a cement plug, G-Class cement, from top of retainer @ 450' to the surface. POOH w/ work string and top off 4-1/2". This will fill the 4-1/2" casing to the surface.

28. If cement cannot be seen on all annulus and casing strings after removing wellhead, remedial cementing at the surface will be required. Contact Engineer.

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 reseeding.

bp

Gallegos Canyon Unit 158E
Dakota Basin
API # 30-045-2513800
1570 FNL & 1760 FEL
Sec 36, T-28-N, R-13-W
San Juan County, New Mexico

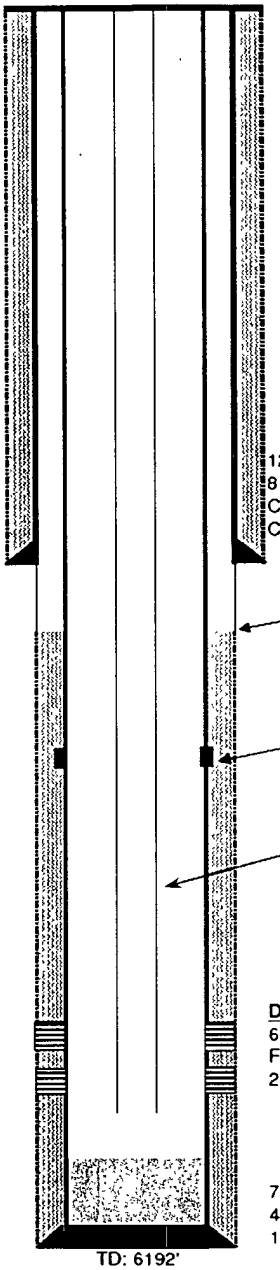
G.L. 5824'
K.B. 5837'

Well History:
Spudded on 5/20/83
Completed in DK on 6/10/83
No workover records in DIMS/NMOCD

Formation Tops:

Ojo Alamo	N/A
Kirtland	N/A
Fruitland	846
Picture Cliffs	1432
Lewis Shale	1576
Mesa Verde	2322
Mancos sh	4200
Gallup	5045
Greenhorn	5898
Graneros Dak	6002
Main Dakota	6082

CURRENT WELLBORE



12 1/4" Hole
8 5/8", K-55, 24# @ 332'
Cmt w/ 390 cu. ft Class B w/ 2% CaCl2
Circulated out 35 bbls cmt.

TOC @ 700' from temp survey

DV Tool @ 4300'

2-3/8" tubing set @ 6099'

Dakota Perforations
6029-6045, 6066-6115 @ 2SPF, 130 holes (0.39")
Fracd w/ 103,000 gals 75Q foam w/ 20# gelled water,
2 % KCL, 1 gal/1000 gal surfactant, & 196,000 # 20/40 sa

7 7/8" Hole
4 1/2", K-55, 11.6# @ 6191'
1st stage: 655 cu. ft Class B 50:50 POZ cmt
tailed with 118 cu. ft Class B neat cmt
2nd stage: 13152 cu. ft Class B 65:35 POZ cmt
tailed with 118 cu. ft Class B neat cmt
cmt top @ 700' from temp survey

TD: 6192'
PBTD: 6143'

Kegan Rodrigues 5/12/08

bp

PROPOSED WELLBORE

Gallegos Canyon Unit 158E
Dakota Basin
API # 30-045-2513800
1570 FNL & 1760 FEL
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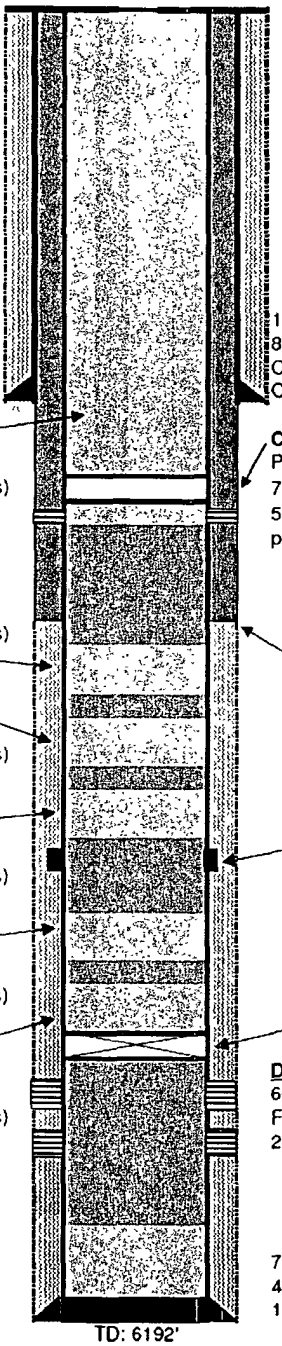

12 1/4" Hole
8 5/8", K-55, 24# @ 332'
Cmt w/ 390 cu. ft Class B w/ 2% CaCl2
Circulated out 35 bbls cmt.

Cmt. Squeeze (behind 4-1/2" csg)
Perf ~500' @ 4SPF, set retainer @ ~450'
700 ft, 164 cu. ft (or ~143 sks) G-Class Neat
50' cmt below retainer, cmt to surf behind csg
pump excess cmt as needed to obtain circ.

Surface Plug
TOC @ surface
450 ft, 39.24 cu. ft (34.2 sks)
G-Class cement

TOC @ 700' from temp survey

Fruitland Plug
TOC @ 746'
150 ft, 13.08 cu. ft (11.4 sks)
G-Class cement

Pictured Cliffs Plug
TOC @ 1332'
150 ft, 13.08 cu. ft (11.4 sks)
G-Class cement

Mesa Verde Plug
TOC @ 2222'
150 ft, 13.08 cu. ft (11.4 sks)
G-Class neat cement

DV Tool @ 4300'

Gallup Plug
TOC @ 4945'
150 ft, 13.08 cu. ft (11.4 sks)
G-Class neat cement

CIBP @ ~5979'

Dakota Plug
TOC @ 5829'
150 ft, 13.08 cu. ft (11.4 sks)
G-Class neat cement

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TD: 6192'
PBTD: 6143'

Kegan Rodrigues 5/12/08

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: 158E 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 Mesaverde plug from 2986' – 2836'.

b) Place the Fruitland plug from 1172' - 1012'.

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.