

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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

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

1 Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5 Lease Serial No <b>NMNM 0468126</b>
2 Name of Operator <b>BP America Production Company Attn: Cherry Hlava</b>		6 If Indian, Allottee or tribe Name
3a Address <b>P.O. Box 3092 Houston, TX 77253</b>		7 Unit or CA/Agreement, Name and/or No <b>Callow 8</b>
3b. Phone No. (include area code) <b>281-366-4081</b>		8 Well Name and No <b>API Well No. 30-045-07790</b>
4 Location of Well (Footage, Sec., T, R, M., or Survey Description) <b>890' FSL &amp; 1850' FEL Sec 27 T29N R13W</b>		10 Field and Pool, or Exploratory Area <b>Basin Dakota &amp; Gallup</b>
		11 County or Parish, State <b>San Juan County, New Mexico</b>

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Abandon
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Water Disposal	
	<input type="checkbox"/> Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Other	

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 recompleat 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 recompleat 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.

Sept. of 2007 BP America attempted to restore subject well to production. After further evaluation it is determined there is no future potential remaining.

BP respectfully requests permission to plug and abandon above mentioned well.

RCVD MAR 17 '08

Please find attached the procedure to P&A

OIL CONS. DIV.  
DIST. 3

14 I hereby certify that the foregoing is true and correct	
Name (Printed/typed) <b>Cherry Hlava</b>	Title <b>Regulatory Analyst</b>
Signature <i>Cherry Hlava</i>	Date <b>03/11/2008</b>

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <b>Original Signed: Stephen Mason</b>	Title	Date <b>MAR 14 2009</b>
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.		

NMOC

## **SJ Basin Well Work Procedure**

**Well Name:** Callow 8      **API #:** 30-045-07790  
**Date:** March 11, 2008  
**Repair Type:** P&A  
**Location:** T29N-R13W-Sec27      **Engr:** Kegan Rodrigues  
**County:** San Juan      **281-366-3454**  
**State:** New Mexico  
**Horizon:** GP/DK

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### **Objectives**

**P&A wellbore; Locate and repair casing/BH leak. Ensure interval isolation throughout the wellbore.**

1. POH with completion string.
  2. Clean out wellbore.
  3. Set CIBP and pressure test casing.
  4. Locate and repair casing/BH leak; conduct squeeze work as necessary.
  5. Set cement plugs to isolate required intervals.
  6. Rig Down, Move out.
  7. Restore location as specified.
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### **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) H<sub>2</sub>S, (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. MIRU workover rig. Hold safety meeting and perform JSA. Complete necessary paperwork and risk assessment.
8. Check and record tubing, casing, and bradenhead pressures daily. Ensure production casing and bradenhead valves are double valved. Check hold down pins on hanger.
9. Check gas H<sub>2</sub>S content and treat if the concentration is > or equal to 10 ppm. Treat for H<sub>2</sub>S, if necessary per H<sub>2</sub>S Wells NOTICE. **Note: No H<sub>2</sub>S is expected at this wellsite location.**
10. Blow down well to flow back tank. Kill with 2% KCl water ONLY if necessary. 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.
11. RU slickline unit or wireline unit. Fish out plunger. RIH with sinker bar to ensure that all plunger equipment is out of the tubing and there are no obstructions, fill etc. RIH and set two barriers; plug in profile nipple @ 5817' and BPV valve in tubing hanger. If BPV profile is not present, then set a tubing stop and "G" packoff @ ~100'.

#### **Rig Operations:**

5. 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.
6. Hold JHA and fill out permit for BOP critical lift. Test single mechanical barrier on annulus side if wellhead has raised neck hanger and bonnet test connection
7. ND wellhead. Install TIW valve on lifting pup in hanger. NU BOPs, diversion spool with 3" outlets and 3" pipe to the pit or vent tank, stripper head, stripping rubber, and other under balanced well control equipment.
8. Pressure test BOPs to low of 200 psi and high of 200 psi above BHP. Monitor flowing casing pressure with gauge (with casing flowing to blow tank), if available, throughout workover.
9. Pull tubing hanger up above pipe rams, shut pipe rams, and trip tubing hanger out of hole.
10. Work tubing to release anchor seal assembly. TOO H w/ 2-3/8" production tubing set @ 5817'. 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.
11. If tubing does not pull, RIH with wireline, freepoint, and cut tubing. RIH with rotary shoe and wash pipe and washover and clean out above packer. Then attempt to latch and pull tubing with overshot. Once tubing is out of hole, RIH with packer picker and burn over top set of slips, and pull up when packer starts going south. TOH with Model D packer.
12. TIH w/ bit & scraper for 4-1/2" casing to the top of the Dakota perms at 5764'. Clean out wellbore to PBTD at 5914' if possible and POOH with scraper.

13. Rig up wireline unit. RIH with wireline and set 7" retainer above DK perfs @ 500'. RIH with workstring (2-3/8" tubing) and sting into retainer. Pump 164' or ~37.3 cu. ft. of G-Class cement. This will isolate the Dakota intervals. Unsting from retainer and TOH. *Cap retainer w/50' cement*
14. RIH with wireline and set 7" retainer above GP perfs @ 500'. RIH with workstring (2-3/8" tubing) and sting into retainer. Pump 185' or ~42 cu. ft. of G-Class cement. This will isolate the Gallup interval. Unsting from retainer and TOH. *Bring cement top to 4813'*
15. RIH with wireline and set 7" retainer above MV formation tops @ 2700'. RIH with workstring (2-3/8" tubing) and sting into retainer. Pump 150' or ~34 cu. ft. of G-Class cement. This will isolate the Mesa Verde intervals (Pt. Lookout, Menefee, Cliffhouse) and the bad casing intervals found during pressure testing in 8/2007. Unsting from retainer and TOH. *Cap retainer w/50' cement*
16. RIH with 2-3/8" open-ended workstring to 1198'. Pump and displace a 150' or ~34 cu. ft of G-Class from 1198' to 1048'. This will isolate the PC formation. WOC. RIH and tag for cement top. *1248' 1098'*
17. POOH to 560'. Pump and displace a 150' or ~34 cu. ft of G-Class cement from 560' to 440'. This will isolate the Fruitland Coal formation. WOC. RIH and tag for cement top. *898' 748'*
18. POOH to surface casing shoe at 164'. Pump and displace a 164' or ~37.3 cu. ft of G-Class cement from 164' to surface. POOH with workstring and top off 7" casing. This will be the surface plug. *214' inside to outside 7" casing*
19. If cement cannot be seen on all annulus and casing strings after removing wellhead, remedial cementing at the surface will be required. Contact Engineer.
20. Install 4' well marker and identification plate per NMOCD requirements.
21. RD and release all equipment. Remove all Wells Team LOTO equipment.
22. 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.
23. Submit work request to Planning and Scheduling to prepare location for reclamation and reseeding.

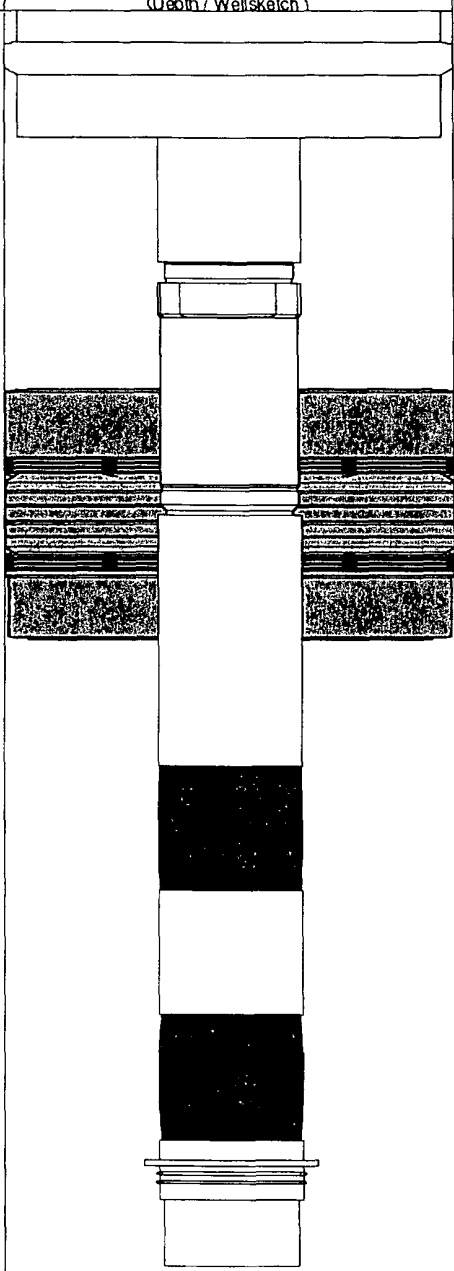
# CALLOW 8

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

Event: WORKOVER  
 Event Start: 8/2/2007  
 Event End: 9/13/2007  
 Objective: REPAIR - OTHER  
 Contractor: KEY  
 State: NEW MEXICO

Wellbore: OH  
 Top TMD: 0.0 ft  
 Bottom TMD: 0.0 ft  
 Spud: 6/8/1959

Orig KB Elev: 0.00 ft  
 Ground Elev: 0.00 ft  
 KB to GL: 0.0 ft  
 Rig Release: 9/14/2007

Casing Components	Comp. Depth	(Depth / Wellsketch)	Tbg/Perf Depth	Tubing / Rod Components
			10.0 ft	1 - TUBING HANGER, 2.375 X 7.0
			11.0 ft	172 - TUBING, 2.375, 4.7#, J-55, E
			5,427.2 ft	1 - SEAL ASSEMBLY
			5,428.0 ft/5,433.0 ft	1 - PACKER, PERM. 7.0 CASING
			5,430.4 ft	12 - TUBING, 2.375, 4.7#, J-55, E
			5,809.8 ft	1 - NIPPLE, PROFILE, "X", 2.375
			5,810.8 ft	1 - TUBING SUB, 2.375 X 4 FT
			5,814.9 ft	1 - NIPPLE, PROFILE, "F", 2.375
			5,815.9 ft/5,816.8 ft	1 - ESP CHECK VALVE, 2.375



**Callow 8**  
Gallup/Dakota  
API # 30-045-07790  
890 FSL & 1850 FEL  
Sec 27, T-29-N, R-13-W  
San Juan County, New Mexico

G.L. 5392'  
K.B. 5401'

#### Formation Tops:

Ojo Alamo	Not Present
Kirtland	Surface
Fruitland	560
Fruitland Coal	1101
Picture Cliffs	1198
Lewis Shale	1340
Cliff House	2750
Mennelee	2838
Point Lookout	3670
Mancos	3940
Gallup	4866
Greenhorn	5652
Graneros Dak	5713
Main Dakota	5762

**Comments:** Was originally planned to abandon the Gallup and produce the DK. Bad casing has been found from 2841'-3529', and holes in the casing from 3872'-3902'. Good casing from 2840' to surface. The tubing head was changed out 8/29/07. It has been decided to do a full wellbore P&A due to the numerous casing integrity issues and low production history.

#### BHA

tbg hanger 2.375"x7 0625  
tubing 2.375", 4.7#, J-55, EUE T+C  
seal assembly 3'  
Perm packer, 7"  
tubing 2.375", 4.7#, J-55, EUE T+C  
Nipple profile "X", 2.375" OD, 1.875" ID  
tubing sub 2.375"x4'  
nipple profile "F", 2.375" OD, 1.78" ID  
ESP check valve, 2.375"

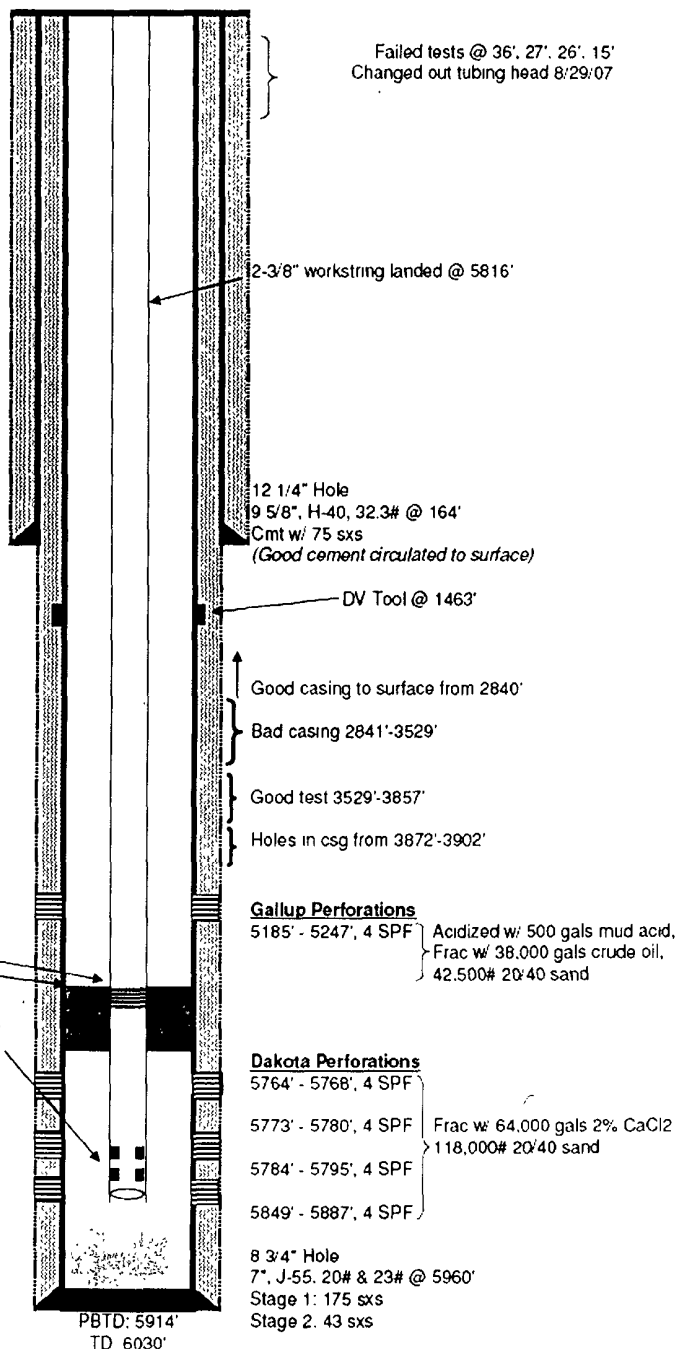
Halliburton  
132000 lb 27000  
2-3/8" grapple  
BWB

mill out slips

overshot

for BWB cut over top slips, spear into id; two trips

## CURRENT WELLBORE



Kegan Rodrigues 3/03/08



## PROPOSED WELLBORE

**Callow 8**  
Gallup/Dakota  
API # 30-045-07790  
890 FSL & 1850 FEL  
Sec 27, T-29-N, R-13-W  
San Juan County, New Mexico

G.L. 5392'  
K.B. 5401'

### Formation Tops:

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### FC Plug

TOC @ 410'  
150 ft. 34 cu. ft. G-Class

Bad spot in csg @ 1330'

DV Tool @ 1463'

Bad casing 2841'-3529'

Good test 3529'-3857'

Holes in csg 3872'-3902'

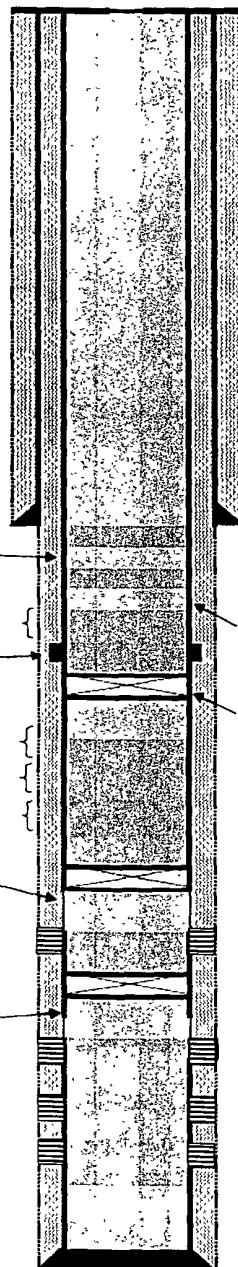
### Gallup Plug

TOC @ 5000'  
185 ft. 42 cu. ft  
G-Class cement  
Retainer @ 5000'

### Dakota Plug

TOC @ 5600'  
164 ft. 37.3 cu. ft  
G-Class cement  
Retainer @ 5600'

**Comments:** Was originally planned to abandon the Gallup and produce the DK. Bad casing has been found from 2841'-3529', and holes in the casing from 3872'-3902'. Good casing from 2840' to surface. The tubing head was changed out 8/29/07. It has been decided to do a full wellbore P&A due to the numerous casing integrity issues and low production history.



### Surface Plug

TOC @ surface  
164 ft. 37.3 cu. ft

12 1/4" Hole

9 5/8", H-40, 32.3# @ 164'  
Cmt w/ 75 sxs

(Good cement circulated to surface)

### PC Plug

TOC @ 1048'  
150 ft. 34 cu. ft  
G-Class cement

### Mesa Verde Plug

TOC @ 2600'  
150 ft. 34 cu. ft  
G-Class cement  
Retainer @ 2600'  
Isolates the Pt Lk. Men, Cliff H. and bad casing intervals

### Gallup Perforations

5185' - 5247', 4 SPF } Acidized w/ 500 gals mud acid,  
Frac w/ 38,000 gals crude oil,  
42,500# 20/40 sand

### Dakota Perforations

5764' - 5768', 4 SPF }  
5773' - 5780', 4 SPF } Frac w/ 64,000 gals 2% CaCl2,  
118,000# 20/40 sand  
5784' - 5795', 4 SPF }  
5849' - 5887', 4 SPF }

8 3/4" Hole

7", J-55, 20# & 23# @ 5960'

Stage 1 175 sxs

Stage 2: 43 sxs

PBTD: 5914'  
TD: 6030'

Kegan Rodrigues 3/03/08

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: 8 Callow

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) Set cement retainer ~5700'. Place cement from 50' cement plug on top of retainer.
- b) Set cement retainer ~5100'. Bring the top of the Gallup plug to 5623'.
- c) Set cement retainer ~2700'. Place cement from 50' cement plug on top of retainer.
- d) Place the Pictured Cliffs plug from 1248' - 1148'.
- e) Place the Fruitland plug from 898' – 798' inside and outside the 7" casing.
- f) Place the Surface plug from 214' to surface inside and outside the 7" casing.

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.