

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

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. NMSF078109
2. Name of Operator BP AMERICA PRODUCTION CO		6. If Indian, Allottee or Tribe Name EASTERN NAVAJO
Contact: CHERRY HLAVA E-Mail: hlavacl@bp.com		7. If Unit or CA/Agreement, Name and/or No. NMNM78391C
3a. Address 200 ENERGY COURT FARMINGTON, NM 87401	3b. Phone No. (include area code) Ph: 281.366.4081	8. Well Name and No. GALLEGOS CANYON UNIT 223
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 9 T28N R12W SESW 0795FSL 1490FWL 36.67162 N Lat, 108.12026 W Lon		9. API Well No. 30-045-11619-00-C1
		10. Field and Pool, or Exploratory BASIN DAKOTA BASIN FRUITLAND COAL
		11. County or Parish, and State SAN JUAN COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF 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"/> Other
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input checked="" type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

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 recompleate 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 recompleation 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.)

Above mentioned well is on Dec. 2010 Compliance

BP respectfully requests permission to place the well in Temporary Abandonment status.

Please see attached TA procedure.



Notify Agencies 24 hours before moving on & 24 hours before mit

14. I hereby certify that the foregoing is true and correct. Electronic Submission #103203 verified by the BLM Well Information System For BP AMERICA PRODUCTION CO, sent to the Farmington Committed to AFMSS for processing by STEVE MASON on 02/25/2011 (11SXM0926SE)	
Name (Printed/Typed) CHERRY HLAVA	Title AGENT
Signature (Electronic Submission)	Date 02/24/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>STEPHEN MASON</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>02/25/2011</u>
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 <u>Farmington</u>

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

NMOCD



BP - San Juan Wellwork TA Procedure
30-045-11619
GCU 223

General Information:

Job Objective:	Temporary Abandon	Date:	2-24-2011
Project #:		Total AFE Amount:	

Contact:

Intervention Engineer:	Trevor McClymont	p. (281) 366-1425	c. (701) 770-6879
Base Management Engr:	Amy Adkison	p. (281) 366-4495	c.
Production Team Leader	Kenny Anderson	p. (505) 326-9495	c.
Intervention Engineer	Jim McKamie	p. (281) 366-5401	c. 281-660-4946
Intervention Engineer	David Wages	p. (281) 366-7929	c. 406-231-4679

Well Information:

API Number:	30-045-11619
Present Status	Shut-in
PBTD	6,027'
	N SEC. 09, T28NN,
Surface Location:	R12WW
	lat 36.67169 long
GPS Coordinates:	108.12094
County	SAN JUAN
State	New Mexico
Lateral/Run	6B-15 Lateral
Well FLAC:	
Lease FLAC:	
Meter #:	75367
BP WI:	
Cost Center:	
Reg Approval Req'd:	Yes
Partner Approval Req'd	No

Landowner Approval Req'd

Restrictions:	None
Additional Approvals	No
Compliance/Issues	Yes - Dec. 2010

Production Data:

Artificial Lift Type	Beampump
Current Production Rates	
Gas (mcf/d)	0 mcf/d
Oil/Cond (bpd)	0 bpd
Water (bpd)	0 bpd
Expected Production Rates	0 mcf/d
Compressed (Y/N)	
Flowing Pressures (psig)	
Tubing	Unknown
Casing	Unknown
Line	20 psig
Shut-in Pressures	
Tubing	Unavailable
Casing	Unavailable
Bottom hole	Unknown
	Unknown - had 50psi on last workover
MASP	
CO ₂ %	0.90%
H ₂ S (ppm)	0 ppm
Area Classification:	LCO

Recommended By: _____

Input From: _____

Approved By: _____

Policy Reminder

Any changes to the written procedure requires an approved MoC

Basic Job Procedure

1. Remove the rods and pump from the well
2. Remove the tubing from the well
3. Run Bit & Scraper
4. Set CIBP
5. Load hole and test casing
6. Place well in TA status

Well Histories

Spud date 2/27/66:

Dakota completion date 3/27/66:

Well Servicing 3/20/1985: Reperforated 5866-5882', 5942-5962'. Cleaned out w/ nitrogen.

Well Servicing 3/27/1992: Wellhead repaired. CBL found cnt top @ 293'

Well Servicing 10/1/2001: Fruitland Coal completion date.

Well Servicing 3/8/2002: Drilled out CIBP and commingled downhole.

Well Servicing 2/19/2004: Tbg stuck. Cut and fish 60' of tubing. Cleaned out to PBTD.

Well Servicing 12/6/2010: Shot fluid level @ 1203'; ~100' above top perf.

Safety and Operational Details

ALL work shall comply with DWOP E&P Defined Operating Practice and any asset specific STP or SOP

All Pressure test will be at 200-300 psi low and 500 psi high unless stated otherwise. Each pressure test will be held for 5 minutes and recorded in OpenWells, unless stated otherwise.

Standard Site Preparations

1. Perform pre-rig site inspection. Per Applicable documents and/or checklists

1. Size of Location	6. Wash (dikes requirements)	11. Landowner Issues
2. Gas Taps, (notify land owners)	7. Raptor nesting	12. Protection Barriers Needed
3. Other Wells	8. H ₂ S	13. Critical Location
4. Other Operators	9. Wetlands	14. Anchors
5. Production Equipment	10. Location of Pits	15. ID Wellhead for proper flange connection

2. Work with OC through CoW and w/P&S to develop a plan to move or temporarily relocate equipment that prohibits well servicing/plugging objectives
3. Perform a 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. Check anchors for certification date and use
4. If the data bases indicate H₂S is present then have a Service Company check for H₂S on tubing and all casing annuli with Dreiger Tube. If H₂S is present then notify WIE to discuss options
5. Complete Handover Documentation between Operations and Functional Wells Team per ADM 61006
6. Check and record shut in casing pressure (SICP), shut in tubing pressure (SITP), intermediate casing pressure (SIICP), Bradenhead pressures (SIBH), and or flowing pressures (FTP, FCP) in Open Wells daily
7. If SIICP or SIBH exist then notify the Well Intervention Engineer (WIE) and Wells Field Superintendent (WFS). Notify WIE if water or gas flow is observed from any annulus

MIRUSU

8. MIRU Service Unit
9. Confirm integrity of casing valves by performing a negative test. Remove flowline piping
10. Install second working and tested casing valve. Negative test the valve with casing pressure if possible This test will test the valve and the connection between the valves
11. Install diversion lines from casing valves to flow back tank.
12. Release pressure from tubing x casing annulus by opening casing valves and flowing well to flowback tank.
13. Using **SJ-SOP-WI-BKCNT-Rev01**
 - If stabilized flowing casing pressure is above 10 psi then kill the well by pumping inhibited (2% KCl equivalent) water down casing.
 - If stabilized flowing casing pressure is below 10 psi then proceed with breaking containment.
 - If lock down pins are not installed or not on the wellhead then flow well down to flowback tank until stabilized flowing casing pressure is at 0 psi and well is dead.

TOH w/ Pump & Rods

14. Attach lifting pony rod to top of polished rod
15. Lift and hang off polish rod on stuffing box, remove bridle cable
16. Unscrew stuffing box, lift polished rod and hang off polished rod and stuffing box on wellhead.
17. Remove and lay down polished rod and stuffing box
18. Install run-in Radigan and rod table to flow tee. Unseat pump
19. TOH Rods/Pump, inspect rods and pump for scale or wear
Watch lower rods (near EOT) closely for signs of wear on rods (and guides). LD rods as necessary. Consult engineer if scale or wear is extreme.

Set Barriers

20. There must be a minimum of 1 mechanical pressure barriers in tubing in order to break containment, barriers shall conform with **DWOP, NAG-GP 10-36-1**, and **SJA-SOP-WI-BKCNT-Rev 01**. Plugs shall be one of the following:
 - Pump through plug installed in a nipple
 - A tubing pack-off with pump through plug and appropriate stops set above and below the plug
 - Setting a cement retainer in the tubing after discussing with WIE and WFS.
 - Two way check installed in the tubing hanger

Setting Plugs in Profile Nipple

- **NAG-NOP-SL01** shall be followed for all slickline operations.
- Make gauge ring run with the appropriate sized gauge ring to locate profile or seating nipples.
- RIH and tag for fill below end of tubing (EOT). Record tag depths in Open Wells.
- If Slickline operations tagged nipple profile, then set the appropriate plug in profile nipple. "F" Nipple @ 1375' ID is 1.780" POOH.
- Negative test plug by releasing partial wellhead pressure, shutting well in and monitoring well. If pressure does not increase in 15 min after shutting in well then this is a negative test of the barrier. If pressure increases then discuss options with WIE.

- RD SL and go to **ND WH**
- If unable to set plug in nipple then use **Setting Pump Through Plugs and Stops in Tubing**

Setting Pump Through Plugs and Stops in Tubing

- NAG-NOP-SL01 shall be followed for all slickline operations.
- Determine safe depth from tag run in previous step of procedure.
- RIH and set tubing stop above nipple at safe depth determined from previous step. POOH
- RIH and set pump through plug on top of stop. POOH
- RIH and set triple stop on top of plug. POOH
- Negative test plug by releasing partial wellhead pressure, shutting well in and monitoring well. If pressure does not increase after shutting in well then this is a negative test of the barrier. If pressure increases then discuss options with WIE.
- RD SL and go to **ND WH**
- If unable to set plug in nipple then discuss options with WIE and WFS.

Setting Cement Retainers in Tubing

If unable to set a plug in the nipple or in the tubing then a cement retainer can be set in the tubing after discussing with the WIE and WFS.

- RU E-Line lubricator to top of tree
- Pressure test lubricator to specified low and high pressures.
- RIH with appropriate sized cement retainer for tubing and set at safe depth determined from slick line diagnostics
- Negative test retainer by releasing partial wellhead pressure, shutting well in and monitoring well. If pressure does not increase after shutting in well then this is a negative test of the barrier. If pressure increases then discuss options with WIE.
- RD E-Line and go to **ND WH**
- If unable to set plug in nipple then discuss options with WIE and WFS.

ND WH

21. If the downhole barrier was negative tested then ND tree to tubing hanger.
22. If the downhole barrier will not test then RU wellhead lubricator to the tree then test lubricator to specified low and high pressure.
23. Install two way check in back pressure threads in hanger. If unable to install two way check then use **Kill Well Contingency**.

Kill Well Contingency

This contingency will be used if no mechanical barriers can be set in the well after consulting with the WIE and the WFS.

- The well will be killed using **SJ-SOP-WI-BKCNT-Rev01, section 7.4**.
- RU pump and hard lines to casing valve.
- Pressure test pump and lines to specified high and low pressures to confirm integrity.
- Kill well as needed to ensure well is dead prior to removing tree.
- Nipple down tree to tubing hanger.
- Install H-prep sub with two way check for BOP testing.
- Go to **NU BOP**.

24. Nipple down tree to tubing hanger.

NU BOP

25. If two way check has not been installed, install H prep sub with two way check pre-installed
26. NU San Juan South BOPE using attached BOP Diagram. Rams will be sized for the tubing in the well.
27. Function test and pressure test BOPs to specified high and low pressures. Perform accumulator test. Record in Open Wells.
28. Monitor flowing casing pressure with gauge (with casing flowing to flow back tank) throughout workover

Completion Removal

29. Kill annulus as necessary by pumping 2% KCL equivalent water down production casing x tubing annulus.
30. If H-prep sub was installed then use the following **Pull H-prep Sub Contingency.**

Pull H-prep Sub Contingency

This contingency will be used if the H-prep sub was installed.

- Pick up landing joint. RIH and screw into the H-prep sub.
- Pull hanger to rig floor.
- RU lubricator. If downhole barriers are installed then testing of lubricator is not necessary other wise test lubricator to specified low and high pressures. Hold each pressure test for 5 minutes to confirm lubricator's integrity.
- Pull two way check.
- LD hanger and H-prep sub.
- Lower tubing and install stripping rubber.
- Prepare to TOH with tubing.

31. Screw in lifting pup into hanger. Pull tubing hanger up to floor. If two way check was installed then use **Pull Two Way Check Contingency.**

Pull Two Way Check Contingency

- RU lubricator to tubing hanger or hanger adapter to remove two way check.
- If downhole barriers were tested then testing of lubricator is not necessary, other wise test lubricator to specified low and high pressures. Hold each pressure test for 5 minutes to confirm lubricator's integrity.
- Pull two way check.
- RD Lubricator

32. Lower tubing and install stripping rubber.
33. Prepare to TOH with tubing.
34. Open rams and TOOH w/ 2-3/8" production tubing currently set at 1397'. Visually inspect tubing while POOH. Lay down bad tubing as necessary
 - Do Not exceed 75% of new pipe yield without consulting WIE
 - 75% New 2-3/8" 4.6# J-55 = 53,775 lbs

Bit & Scraper Run

35. RIH with the suggested assembly and scrape across perforated intervals (1306-1356 & 5866-5881')
 - 3-7/8" bit for 4-1/2" 10.5# casing (drift 3.927")
 - Bit Sub
 - Scraper for 4-1/2" 10.5# casing (drift 3.927")
36. TOH w/ bit and scraper

Set CIBP, Load, and Test Casing

NOTE: Temporary abandonment operations must comply with DWOP 26.2 and all NMOCD requirements

37. MIRU E- Line Unit
38. RU E-Line lubricator and well control equipment to BOPE
39. Test lubricator to specified high and low pressures
40. RIH with CIBP for 4-1/2" 10.5 casing and set at 5820'
41. RD E-Line lubricator
42. MU workstring with packer for 4-1/2" casing on the tubing (Weatherford Arrow Set or similar packer)
43. Run Packer to setting depth of 1400' +/- . Set packer.

The following are instructions to set a Arrow set packer. If a different packer is ran then follow service company's recommended setting procedure.

- Pick up and slack off to establish true slack-off and pick-up weights
- Pick up on tubing and rotate ¼ turn to the right at the packer
- Lower tubing to engage slips, release right hand torque while moving downward. (Tubing must be able to rotate back to the left at packer to lock into set position.)
- Continue to set weight on packer to pack off elements (Weight required at packer = 10,000lbs)
- After setting weight on packer, pick up on tubing and pull tension into packer to engage upper slips and complete element pack off

44. Pump 10 bbls of inhibited fluid down tubing to place test fluid inside 4-1/2" casing
 - 7 gals of Baker Packer fluid per 1 bbl of 2% KCL equivalent water (Baker product name: WCW-5827)
45. Using a chart recorder, test casing to 500 psi for 30 and hold undisturbed, this will confirm the integrity of the casing
 - Level off at 500 psi and hold steady for 30 min
 - Pressure drop can not be more than 10% over a 30 minute period
 - The operator shall record mechanical integrity tests on a chart recorder with a maximum two hour clock and maximum 1000 pound spring, which has been calibrated within the six months prior to conducting the test.
 - Witnesses to the test shall sign the chart.
 - The operator shall submit the chart with form C-103 requesting approved temporary abandonment.

5820' - 1400' Casing Test

If casing fails integrity test, contact Houston to discuss options

46. After passing the integrity test, Unseat packer and load hole with inhibited fluid, approximately 60 bbl, to ensure casing is full with fluid. This will fill the casing from the CIBP @ 5800' to just below the Fruitland perforations
 - 7 gals of Baker Packer fluid per 1 bbl of 2% KCL equivalent water (Baker product name: WCW-5827)
 - Capacity of 4-1/2" casing = 0.0159 bbls/ft or 0.0896 ft³/ft
 - Total capacity = 4420' x .0159bbl/ft – 10 bbls (from pressure test)
 - = 59.9 bbls**
47. POOH with packer assembly
48. RU E-Line lubricator and well control equipment to BOPE
49. Test lubricator to specified high and low pressures
50. RIH with Composite Bridge Plug for 4-1/2" 10.5 casing and set at 1270'
51. RIH with E-line dump bailer and place 30' of cement on top of Composite Bridge Plug
52. POOH, RD E-Line, WOC.
53. Once cement sets, pump 10 bbls of inhibited fluid down tubing to place test fluid inside 4-1/2" casing
 - 7 gals of Baker Packer fluid per 1 bbl of 2% KCL equivalent water (Baker product name: WCW-5827)
54. Using a chart recorder, test casing to 500 psi for 30 and hold undisturbed, this will confirm the integrity of the casing
 - Level off at 500 psi and hold steady for 30 min
 - Pressure drop can not be more than 10% over a 30 minute period
 - The operator shall record mechanical integrity tests on a chart recorder with a maximum two hour clock and maximum 1000 pound spring, which has been calibrated within the six months prior to conducting the test.
 - Witnesses to the test shall sign the chart.
 - The operator shall submit the chart with form C-103 requesting approved temporary abandonment.

1270 - 0 csg test

If casing fails integrity test, contact Houston to discuss options

55. Top off wellbore with inhibited fluid, approximately 10 bbl, to ensure casing is full with fluid
 - 7 gals of Baker Packer fluid per 1 bbl of 2% KCL equivalent water (Baker product name: WCW-5827)
 - Capacity of 4-1/2" casing = 0.0159 bbls/ft or 0.0896 ft³/ft
 - Total capacity = 1270' x .0159bbl/ft – 10 bbls (from pressure test)
 - = 10.2 bbls**
56. RD pump truck and pumping lines
57. ND BOPE.NU tree to tubing hanger flange
58. If wellhead is equipped with test ports, test tubing wellhead seals to 1000 psig and hold for 5 minutes
59. Shut in Well
60. RDMO service unit
61. Notify NMOCd representatives and Cherry Hlava of successful TA. Record operations in Open Wells

