

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000**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		8. Well Name and No. ARNAUD A 1S
2. Name of Operator BP AMERICA PRODUCTION CO		9. API Well No. 30-045-31430-00-S1
3a. Address P. O. BOX 3092 HOUSTON, TX 77253	3b. Phone No. (include area code) Ph: 281.366.4081 Fx: 281.366.0700	10. Field and Pool, or Exploratory BASIN FRUITLAND COAL
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 17 T32N R9W NESE Lot 9 2280FSL 905FEL 36.59000 N Lat, 107.47800 W Lon		11. County or Parish, and State SAN JUAN COUNTY, NM

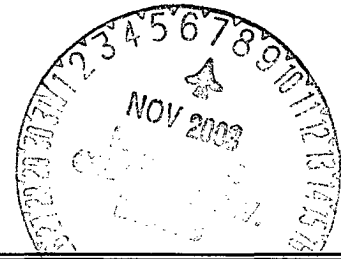
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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 checked="" type="checkbox"/> Other Workover Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input 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 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.)

This well was spud 7/11/03 and completed 7/19/03.

BP America Production Company requests permission to cavitate open-hole section of the wellbore, run 5 1/2" flush joint liner, run 2 3/8" tubing and return well to production. Please see the attached procedure.

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #24392 verified by the BLM Well Information System For BP AMERICA PRODUCTION CO, sent to the Farmington Committed to AFMSS for processing by MATTHEW HALBERT on 10/29/2003 (04MXH1088SE)	
Name (Printed/Typed) CHERRY HLAVA	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 10/20/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>STEPHEN MASON</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>10/31/2003</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 ****

Arnaud A 1S

T32N, R09W, Section 17
San Juan County, NM
SAP project no:

October 17, 2003

Objective:

Cavitate open-hole section of wellbore, run 5-1/2" flush joint liner, run 2 3/8" tubing and return well to production.

Procedure:

1. MIRU SU, record TP and CP, blow well down,
2. Rig up slickline unit, TIH with slickline to set plug in tubing (F-nipple, 1.78" id, set at 3731.8' kb – see attached well diagram).
3. ND WH, NU BOP.
4. TOH with 2-3/8" tubing.
5. Pick up drill bit and drill collars to clean out open-hole and cavitate the well using air and mist. After each cavitation, monitor pressure build-up (maximum pressure and rate of pressure build-up). Record all pressure build-up results in DIMS. Attempt to increase maximum pressure build-up with successive cavitations
6. After wellbore has been stabilized, RIH with a 5.5" flush-joint liner to 3977' kb TD with approximately 50 ft overlap with 7" casing (about 630 ft – from 3350' to 3977'). Hang liner and lay down drill pipe.
7. Rig up Schlumberger Oilfield Services to run GR/CCL log to identify coal seams for perforating liner. The open-hole mud log shows coal seams at the following intervals: (Perforate the following intervals)

Coal Seam	Interval	Perforations	Shots per ft	Total Shots
			4	
			4	
			4	
			4	
Total				shots

8. RIH with 2 3/8" tbg, with plug in place using the following assembly :

**2 3/8" 4.7# J-55 EUE 8RD (reduced collars all the way to surface) land
tbg @ 3740' kb**

- 18' muleshoe collar w/weep holes at top of mule shoe
- Pump seating nipple
- 1 jts of 2-3/8"od tbg
- "X" nipple (with plug in place)
- Balance of 2-3/8" tbg

9. Rig up slickline unit, run gauge ring, plug plug from X nipple. Rig down slickline unit.

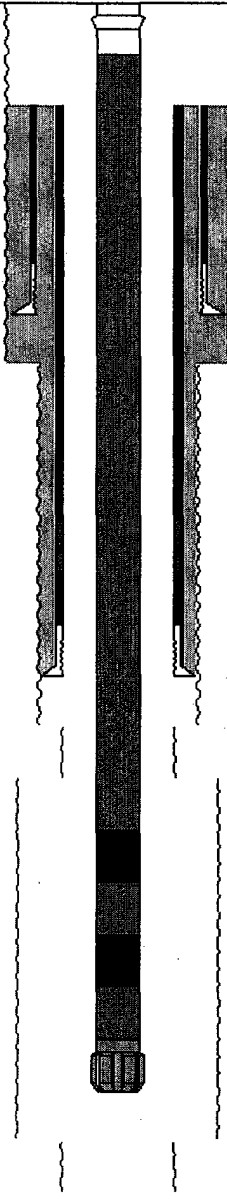
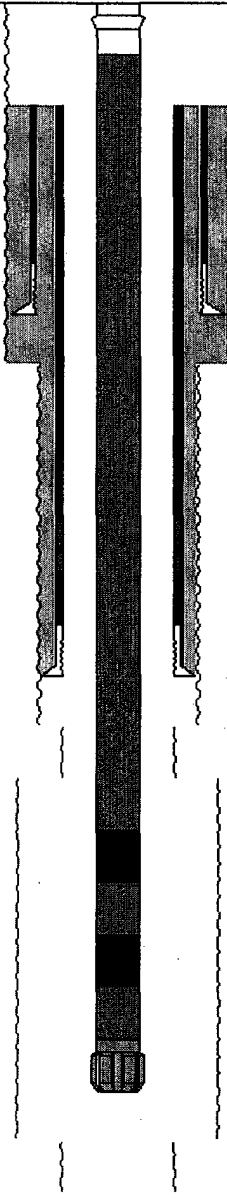
10. NDBOP, NUWH.

11. RDMOSU. Turn well over to production.

Daniel Crosby
281-366-0769 office
281-366-7099 fax
281-787-5585 cell

ARNAUD A 1S

Country: UNITED STATES	County: SAN JUAN	Event: COMPLETION	Wellbore: OH	Orig KB Rev: 6,883.00 ft
Region: NORTH AMERICA	State: NEW MEXICO	Event Start: 7/17/2003	Top TMD: 0.0 ft	Ground Rev: 6,972.00 ft
Bull Unit: ONSHORE US	District: FARMINGTON	Event End: 7/19/2003	Bottom TMD: 0.0 ft	KB to GL: 11.0 ft
Perf Unit: WESTERN		Objective: NEW DRILL	Spud: 7/11/2003	Mud Line Rev: 0.00 ft
Asset: SAN JUAN SOUTH		Contractor: <no data>		
Field: BASIN-FRUITLAND COAL GAS POOL				

Tubing/CT/SS Components	Min ID	Top	Well sketch	Perf Interval / SP F / Phasing
1 - TUBING HANGER, 2.375 X 7.0625	2.441 in	0.0 ft		
118 - TUBING, 2.375, 4.7#, J-55, EUE FBN	1.995 in	0.8 ft		
1 - NIPPLE, PROFILE, "X", 2.375 OD, 1.875 ID	1.875 in	3,726.7 ft		
1 - TUBING SUB, 2.375 X 4 FT	1.995 in	3,727.6 ft		
1 - NIPPLE, PROFILE, "F", 2.375 OD, 1.780 ID	1.780 in	3,731.8 ft		
1 - TUBING SUB, 2.375 X 2 FT	1.995 in	3,732.8 ft		
1 - MULE SHOE, 2.375, EXP CK	2.041 in	3,735.0 ft		

Strings/Assemblies in the Hole on 7/19/2003

ARNAUD A 1S

Event: COMPLETION

Wellbore: OH

Event Dates: 7/17/2003 to 7/19/2003

SURFACE CASING									
Install Date: 7/17/2003		Top: 10.00 ft		Status: INSTALLED					
		Bottom: 135.3 ft		Pull Date: <no data>					
Component Details	Size	Jts	Length	Weight	Grade	Threads	Min ID	Cond.	Comments
CASING, 9-5/8", 32.3W, H-40, 8 RND ST-4	9.625 in	3	124.75 ft	32.30 b/wt	H-40	8R ST+C	9.001 in	N	SURFACE CSG
CASING SHOE, 9-5/8"	9.625 in	1	1.00 ft	0.00 b/wt	N-80	8R ST+C	9.001 in	N	CSG SHOE
PRODUCTION CASING									
Install Date: 7/15/2003		Top: 10.00 ft		Status: INSTALLED					
		Bottom: 3,400.7 ft		Pull Date: <no data>					
Component Details	Size	Jts	Length	Weight	Grade	Threads	Min ID	Cond.	Comments
	7.000 in	2	44.14 ft	0.00 b/wt			0.000 in		
	7.000 in	81	3,319.88 ft	20.00 b/wt	J-65	8R ST+C	0.000 in		
	7.000 in	1	1.00 ft	0.00 b/wt	N-80	8R ST+C	0.000 in		
	7.000 in	1	24.67 ft	20.00 b/wt	J-65	8R ST+C	0.000 in		
	7.000 in	1	1.00 ft	0.00 b/wt	N-80	8R ST+C	0.000 in		
TUBING									
Install Date: 7/19/2003		Top: 0.00 ft		Status: INSTALLED					
		Bottom: 2,746.3 ft		Pull Date: <no data>					
Component Details	Size	Jts	Length	Weight	Grade	Threads	Min ID	Cond.	Comments
TUBING HANGER, 2.375 X 1.0625	2.375 in	1	0.75 ft	0.00 b/wt		EUE	2.441 in	N	EN
TUBING, 2.375, 1J#, J-65, EUE F8N	2.375 in	118	3,725.93 ft	4.70 b/wt	J-65	EUE F8N	1.995 in	N	
NIPPLE, PROFILE "X", 2.375 OD, 1.875 ID	2.375 in	1	0.96 ft	0.00 b/wt		EUE	1.875 in	N	
TUBING SUB, 2.375 X 4 FT	2.375 in	1	4.18 ft	0.00 b/wt		EUE	1.995 in	N	
NIPPLE, PROFILE "F", 2.375 OD, 1.780 ID	2.375 in	1	0.95 ft	0.00 b/wt		EUE	1.780 in	N	
TUBING SUB, 2.375 X 2 FT	2.375 in	1	2.22 ft	0.00 b/wt		EUE	1.995 in	N	
MULESHOE, 2.375, EXP CK	2.375 in	1	0.94 ft	0.00 b/wt		EUE	2.041 in	N	

Perforating Information							
ARNAUD A 1S				Event: COMPLETION			
Wellbore: OH				Event Dates: 7/17/2003 to 7/19/2003			
<no data> Date: <no data> Gross Interval: <no data> to: <no data>							
Formation	Top Depth	Bottom Depth	SPF/SPM	Phasing	Gun Size	Gun Type	Charge

Cementing Information								
Primary 7/17/2003 Contractor: DOWELL SCHLUMBERGER								
Stage	Slurry Type	Slurry Description	Class	Top	Bottom	Density	Yield	Total Vol
PRIMARY CEMENT	SPACER CEMENT	SPACER WATER LEAD SLURRY	G-CLASS	0.0 ft	0.0 ft	8.3 ppg	0.00 ft ³ /sk	10.0 bbl
PRIMARY CEMENT				0.0 ft	144.0 ft	15.8 ppg	1.18 ft ³ /sk	19.1 bbl
Primary 7/18/2003 Contractor: SCHLUMBERGER								
Stage	Slurry Type	Slurry Description	Class	Top	Bottom	Density	Yield	Total Vol
PRIMARY CEMENT	SPACER	SPACER WATER	SPACER	0.0 ft	0.0 ft	0.0 ppg	0.00 ft ³ /sk	10.0 bbl
PRIMARY CEMENT	PRE FLUSH	SPACER UNWEIGHTED	SPACER	0.0 ft	0.0 ft	0.0 ppg	0.00 ft ³ /sk	10.0 bbl
PRIMARY CEMENT	SPACER	SPACER WATER	SPACER	0.0 ft	0.0 ft	8.3 ppg	0.00 ft ³ /sk	10.0 bbl
PRIMARY CEMENT	CEMENT	LEAD SLURRY	G-CLASS	0.0 ft	2,546.0 ft	11.7 ppg	2.61 ft ³ /sk	156.2 bbl
PRIMARY CEMENT	CEMENT	TAIL SLURRY	G-CLASS	2,546.0 ft	3,400.7 ft	13.5 ppg	1.26 ft ³ /sk	20.4 bbl