SUNDRY NO Do not use this for Abandoned well. U  SUBMIT IN TRIPLICA  i. Type	UNITED STATES RTMENT OF THE INTERIOR AU OF LAND MANGEMENT  TICES AND REPORTS ON WELLS form for proposals to drill or to re-enter an  Use Form 3160-3 (APD) for such proposals.  ATE — Other instructions on re- e of Well s Well  Other	FORM APPROVED OMB No. 1004-0135  7 FIRE Expires November 3012900  5. Lease Scrial No.  SF - 078499 6. If Indian, Allotteejor tribe Name 210 FA Scrience Name and/or No.  8. Well Name and No.  TAPP LS 6			
2. Name of Operator	9. API Well No.				
BP AMERICA PRODUCTION	nde)	30-045-20321			
3a. Address P.O. BOX 3092 HOUTON, TX 3092	10. Field and Pool, or Exploratory Area Pictured Cliffs				
4. Location of Well (Footage, Sec., 790'FNL & 1190; FEL SEC 22'	11. County or Parish, State SAN JUAN COUNTY, NM				
12. CHECK	APPROPRIATE BOX(ES) TO INDICATI	E NATURE OR NOT	TICE, REPORT, OI	R OTHER E	DATA
TYPE OF SUBMISSION		TYPE OF A	ACTION		
Notice of Intent	Acidize Deepen  Alter Casing Fracture To  Casing Repair New Cons	reat Rec	oduction (Start/Rest clamation complete	ume)	Water shut-Off Well Integrity Other
Subsequent Report	Change Plans Plug and .	Abandon 📮 w	Vater Disposal		
Final Abandonment Notice	Convert to Injection Plug Back				
If the proposal is to deepen direction Attach the Bond under which the value following completion of the involvement of the inv	peration (clearly state all pertinent details, inclumally or recomplete horizontally, give subsurf work will be performed or provide the Bond ed operations. If the operation results in a munical Abandonment Notices shall be filed only after final inspection.  request permission to Plug &	ace locations and meas No. on file with BLM/ ultiple completion or re ter all requirements, in	sured and true vertically.  BIA. Required subsection in a necompletion in a necoluding reclamation.	cal depths of bsequent repow interval, a h, have been	f all pertinent markers and zones. orts shall be filed within 30 days Form 3160-4 shall be filed once completed, and the operator has
Please see the attached P&	&A procedure.			n style tu en	CVD APR2'07 )IL CONS. DIV.
			· · · · · · · · · · · · · · · · · · ·		
14. I hereby certify that the foregoing Name (Printed/typed)	is true an dcorrect				
Cherry Hlava		y Analyst			
Signature Chorry Hlava		Date 03/26/07			
	THIS SPACE FOR FEDE	RAL OR STATE O	OFFICE USE		
Approved by Original Sign	Title		Date M	AR 2 9 2007	
Conditions of approval, if any, are attached Certify that the applicant holds legal of subject lease which would entitle the	Office				
	3 U.S.C. Section 1212, make it a crime for any its or representations as to any matter witin its ju		d willfully to make to	o any departr	nent or agency of the United States



## SJ Basin Well Plugging Procedure

Well Name:

TAPP LS 6-PC

API# 30-045-20321

Location:

T28N-R8W-Sec22A

County:

San Juan

Andrew Berhost

State: Horizon:

New Mexico
Pictured Cliffs

Office (505) 326-9208

Mobile (505) 486-0139 fax (505) 326-9262

Date:

March 19, 2007

Objective: P&A entire wellbore.

1. Pump cement plugs and remove wellhead.

Well History: Well completed in 1968. Compression added in 4/05 and pulled in 4/06 due to low rates. WL tagged fill covering perforations in 2006 – coil-tubing cleanout to 2900' in 2/07. Well casing pressure built to 40psig after cleanout, not enough to produce into line pressure w/o compression. Calculated cement top based on volume displaced and 70% effective is at 1790'. CBL will be required to prove top of cement in well.

**Pertinent Information:** Gas BTU content for this well is 1188; Sp gr. is 0.673. Venting and Flaring document needs to be followed if BTU content is above 950.

## Procedure: Notify BLM and NMOCD 24 hours prior to beginning P&A operations.

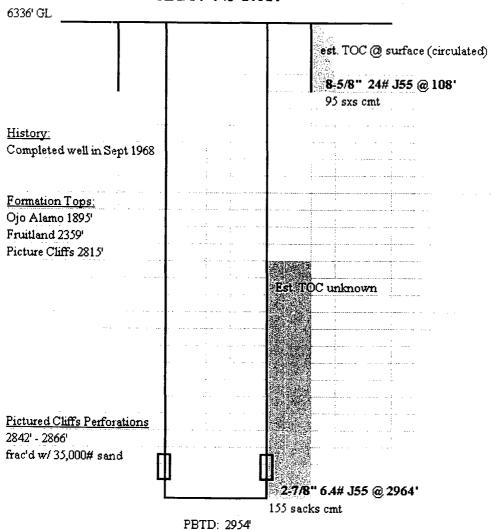
- 1. Perform pre-rig site inspection. Check for: size of location, Gas Taps, other wells, other operators, running equipment, wetlands, wash (dikes req.), H2S, barriers needed for equipment, Landowner issues, location of pits (buried lines in pits), Raptor nesting, critical location, check anchors. Check ID wellhead; if earth pit is required have One Call made 48 hours prior to digging.
- 2. Perform second site visit after lines are marked to ensure all lines clear marked pit locations. Planning and scheduling to ready location for rig.
- 3. Hold pre-job safety meeting and discuss all JSA's with all BP and third party personnel. The Pre-job safety meeting should cover: heavy lifts, pinch points, location hazards, pressure hazards, and proper PPE.
- 4. Check and record casing and bradenhead pressures (Tubingless completion). Ensure production casing has double casing valves installed. Double valve all casing strings.
- 5. MIRU workover rig. LOTO all necessary equipment including but not limited to: meter run, automation, separator, and water line.
- 6. Blow down wellhead. Kill with 2% KCL water ONLY if necessary.
- 7. Check all casing strings to ensure no pressure exist on any annulus. The operations of removal of wellhead and installation of BOP's will be performed under a dispensation for one (1) barrier on the backside since this is a tubingless completion.

- 8. Nipple down WH. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 200 psi above BHP.
- 9. RIH with work string to set CIBP plug. TIH with and set 2-7/8" CIBP at 2800'.
- 10. Load well with fluid. Pressure test casing. If casing doesn't test RIH with Retrievable plug and find hole in casing. Call production engineer if casing squeezes are necessary. Once casing is tested, run CBL to verify TOC behind 2-7/8" casing. Based on results of CBL it will be decided if cement needs to be squeezed behind 2-7/8" casing. Cement is expected to be behind 2-7/8" from 1790' to PBTD.
- be behind 2-7/8" from 1790' to PBTD.

  11. RIH with work string to 2750' and spot 255 ft (8.3 cu ft) of G-Class cement inside 2-7/8" casing from 2543'-2800'. This will cover the Picture Cliff interval.
- 12. POOH with work string to 2359' and spot 200 ft (6.5 cu ft) of G-Class cement inside 2-7/8" casing from 2159'-2359'. This will cover the Fruitland Coal interval.
- 13. POOH to 1895'. Pump and displace a 200' (6.5 cu ft) of G-Class cement from 1695'-1895' on the inside of 2-7/8" casing. This will isolate the Ojo Alamo interval. TOH.
- 14. RU WL w/ perforating gun and shot holes at 215'. RD WL.
- 15. RIH with 2-3/8" workstring and 2-7/8" packer to 210'. Circulate 55.5 cu ft cement from 215' to surface behind 2-7/8" casing to surface. This will put cement around the bottom of the 8-5/8" surface casing shoe to surface behind the 2-7/8" casing.
- 16. POH with packer and then RIH to 215' with 2-3/8" open-ended workstring. Spot a 215' (7.0 cu ft) cement plug to surface inside the 2-7/8" casing.
- 17. Perform underground disturbance and hot work permits. Cut off tree.
- 18. Install well marker and identification plate per NMOCD requirements.
- 19. RD and release all equipment. Remove all LOTO equipment.
- 20. Ensure all reports are loaded into DIMS. Print out summary of work and place in Well file.

Tapp LS =6

Sec 22, T28N, R8W API: 30-045-20321



TD: 2964'

updated: 3/14/07 ADB

NOTES:

WL report in 4/05 tagged sand fill at 2848'. Sanjel coil-tubing cleanout to 2900' on 3/14. Well Casing pressure build-up only to 38psig.

Tapp LS #6

Sec 22, T28N, R8W API: 30-045-20321

	Surface	Suf				
·			est. TOC @ s	urface (circu	lated)	
	7.0 cu ft	55516				
		cuft 8-5/8" 24# J55 @ 108'				
			95 sxs cmt	,		
	Base -215'			6-3/4" hole to 2-7/8"		
History:				i	0.203423	cuft/ft
Completed well in Sept 1968					21.766261	cu ft
			8-5/8" to 2-7/8"			
:	FCC NOVE SE				0.3125	cuft/ft
Formation Tops:					33.75	cu ft
Ojo Alamo 1895'	63 cu ft				55.5	total cu fl
Fruitland 2359'	base 1895	Est TO	Est TOC 1791' (70% eff)			
Picture Cliffs 2815'						:
:						)
			6-3/4" hole 2-7/8" csa			
	TOTAL DELE			,	0.203423	cuft/ft
						cuft/sx
	65 cuft			=	341	cu ft
	base - 2359				1676	cem H (ft)
			L		1173	70% eff
					1791	TOC
	/83 cuft					
Pictured Cliffs Perforations CIBP 2800			Tubular Volume			
2842' - 2866'	$\times$	<b>3</b>			0.0324985	cu fl/ft
frac'd w/ 35,000# sand	ħ	Ъ.			8.2871175	
The second secon	1			•		
•		2.7/8	" 6 <i>A</i> # J55 @ :	2964'		
		155 sac	·			

## NOTES:

WL report in 4/05 tagged sand fill at 2848'. Sanjel coil-tubing cleanout to 2900' on 3/14. Well Casing pressure build-up only to 38psig.

updated: 3/14/07 ADB

unggitt in skale kilker

PBTD: 2954' TD: 2964'