Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR

Abandoned well. Use Form 3160-3 (APD) for such proposals.

BUREAU OF LAND MANGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an

	FORM APPROVED
	OMB No. 1004-0135
_	. 1 1 20 200

Expires November 30, 20	OMI	S INO.	1004	-013	,,
	 Expires	Nove	mber	30,	20

5.	Lease Serial No.
NM	SF 079319

If Indian, Allottee or tribe Name

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IfIIn	it	c	١r	C	4/	Α	o	reement	Name	<u> </u>	nd/o	гN	0	

SUBMIT IN TRIPLICATE -	Other instructions on reverse side	7. If Unit or CA/Agreement, Name and/or No.			
1. Type of Well Oil Well Gas Well	Other	8. Well Name and No. SCHWERDTFEGER A AM LS 25			
2. Name of Operator BP AMERICA PRODUCTION CO.	9. API Well No. 30-045-32364 33224				
3a. Address PO BOX 3092 HOUSTON, TX 77253	3b. Phone No. (include area code) 281-366-4081	10. Field and Pool, or Exploratory Area BASIN FRUITLAND COAL			
4. Location of Well (Footage, Sec., T., R., M. 1875; FSL & 1790; FWL; SEC	, or Survey Description) 128N ROSW SWNE Mer NMP	11. County or Parish, State SAN JUAN, NM			
12. CHECK APPROI	PRIATE BOX(ES) TO INDICATE NATURE OR N	OTICE, REPORT, OR OTHER DATA			

	12. 01.2010.11.01.01.12.01.01.12.01.12.01.12.01.01.12.01.01.12.01.01.01.01.01.01.01.01.01.01.01.01.01.									
TYPE OF SUBMISSION					7	YPE (OF ACTION			
N N	otice of Intent	00	Acidize Alter Casing		Deepen Fracture Treat		Production (Start/Resume) Reclamation	00	Water shut-Off Well Integrity	
□ s	ubsequent Report		Casing Repair		New Construction	!_!	Recomplete		Other Chng Casing Size	
Q Fin	al Abandonment Notice		Change Plans		Plug and Abandon		Water Disposal			
			Convert to Injection		Plug Back					

BP submitted APD on 5/19/04 and BLM approved 7/15/04.

BP respectfully requests permission to change surface casing size from 8 5/8" to 7" and the Production casing size from 5 1/2" to 4 1/2". Please see the revised drilling plan and cement program attached.

		_			2012345
14.	I hereby certify that the foregoing is true an dcorrect Name (Printed/typed)			The second second	NOV 9770
	Cherry Hlava	Title	Regulatory Analyst		RECEIVE
	Signature Cherry Hlann	Date	10/25/2005	15 J	OIL CONS. DIV.
	THIS SPACE FOR FEDE	RAL OF	STATE OFFICE USE	, in the second	
_Ap;	proved by Spielas Brumley	Title	Pet. Eng	Date	11/2/05
Ce	nditions of approval, if any, are attached. Approval of this notice does not warrant or rtify that the applicant holds legal or equitable title to those rights in the oject lease which would entitle the applicant to conduct operations thereon.	Office	FFO		

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 witin its jurisdiction.



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.

	,= 7.1		F	PAME	RICA PRO	DUCTION	V CO	MPA	NY			
					NG AND CO							
						5 (Revise						
Lease:	Schwerdtfe	eger A LS				hwerdtfeger A LS #25 Field: Basin Fruitland Coal						
	San Juan,	New Mexi	co	Surface	Location: SW 1				SL, 1790' F	NL		
Minerals:					Surface: Lat: 3				O	A 61		
Rig:	Aztec 507				Location: SW 1		N, R9W :	1875' F	SL, 1790' F	<u> </u>		
OBJECTIVE:	Drill to TD,	set 5.5" c	asing, perf	and frac the	e Fruitland Coal in	terval.						
		ETHOD	E DB# 1 *	<u></u>			ADDDOV	MATE	DEPTHS OF	GEOLOG	ICAL A	AARKER
TVPE	OF TOOLS		F DRILLI	NG EPTH OF D	ABILLING	Actual		1MATE		Estimated		
	Rotary			0 - T		Marker	<u> </u>	1	SUBSEA		TVD	APPROX. MD
		LOG PI	ROGRAM	<u> </u>	-	Ojo Alamo		╅	4.825'	-		1,075'
Type				pth Interva		Kirtland		1 1	4,694'			1,206'
GR/CCL an				o Min Charg		Fruitland Fm		1 1	4,140'			1,760'
					,	Fruitland Coa		*#	3,962			1,938'
						Pictured Cliff	s	1	3,815'			2,085'
												
Cased H	lole							\bot				
								$\downarrow \downarrow \downarrow$				
DE14.5/							 	+				
REMARKS:		DOT O	Linto	tion /F# 40	OI) with and			-				
Primary Log pre shaded. Carbon								+				
					ins in Houston -			1-1				
James.Perkins	-	2421011161						+ +				
	<u> </u>							1				
								1 1				
								+				
]						TOTAL D	EPTH:	1 1	3,715'		2,185'	
L						# Probable of	completio	n interv	al _		* Possi	ble Pay
SPECIAL TEST	rs					DRILL	CUTTING	G SAMI	PLES		DRILL	ING TIME
TYPE						FREQU	JENCY DEPTH FREQUENCY					
None						nor	ie	no	ne to TD	Geolo	graph	0 - TD
REMARKS:												
MILE 2022						<u> </u>						
MUD PROGRA		a 1	#/gal	Τ	lis societ	/30 min	<u> </u>		Oth-	r Specific	ation	
200'	Spud		#/gai 8.8 - 9.0		is, sec/qt ent to clean hole.	/30 min			Otne	r Specific	auon	
2,185'	Water/LS		8.4 - 9.0	Sumo	on to clean note.	<9		Sween	hole while v	hilst water	drilling	, LCM onsite
1 2,755	1.0.0720				****	+		э.,оор			J	,, _0 0
CASING PROG	L DAM.			<u> </u>			<u> </u>					
Casing PROG		Dept	h I	Size	Casing Size	Grade, The	ead W	/eight	Landing	Point		Cement
Surface/Conduc		200		8-3/4"	7"	J-55, ST		20#	Landing	,		cmt to surface
		1 - 200			<u>'</u>	1 2 33, 31						
Production		2,18	5'	6-1/4"	4-1/2"	J-55	- 	10.5#				······································
											L_	cmt to surface
CORING PROC	GRAM:											
None												
COMPLETION												
Rigless, Limited		raulic Frac										
GENERAL REI			0- 1-5	D4- ::								
				r testing, a	nd Casing and Co	ernenting.				<u></u>		
BOP Pressure												
Format			epth	^	nticipated bottor		ure	_	Max ar			e pressure**
Fruitla			938'		500						3.64	
Pictured	Cliffs	2.	,085'		200	<u> </u>		4_		- <u></u>	0	
		<u> </u>	<u>•</u>									
	ested BOP I	Pressure T				ote: Determi	ned using	the foll	owing formu	ıla: ABHP	– (.22 *	TVD) = ASP
Form 46 Review			Loggin		eviewed by:				· · · · · · · · · · · · · · · · · · ·			
PREPARED BY				APPROV	ED:		DATE:		APF	ROVED:		DATE:
DNH/DDR	TT/HGJ			F		10/27/2	005 (Rev	used)	F 5: -		+	
Form 46 7-84bw For Drilling Dept.							For Production Dept.					

Cementing Program

Well Name: Schwerdtfeger A LS #25 SW 1/4, S 36, T28N, R9W: 1875' FSL, 1790' FWL Location: San Juan Well Flac County: State: New Mexico Formation: Fruitland Coal KB Elev (est) 5900 GL Elev. (est) 5899 Casing Program: Casing String Est. Depth Hole Size Casing Size Thread TOC (ft.) (in.) (in.) Surface 200 7 Surface 8 3/4 8rd Production -2185 6 1/4 4 1/2 8rd Surface Casing Properties: (No Safety Factor Included) Casing String Size Weight Grade (in.) (lb/ft) Surface 7 20 **J55** Production -4 1/2 10.5 **J**55 Mud Program Mud Weight Recommended Mud Properties Prio Cementing: Apx. Interval **Mud Type** (ft.) PV <20 ΥP <10 0-SCP Water/Spud 8.6-9.2 Fluid Loss <6 SCP - TD Water/LSND 8.6-9.2 Cementing Program: Surface Production Excess %, Lead 100 40 Excess %, Tail NA 40 BHST (est deg. F) 75 120 **Special Instructions** 2,4,6 1,6 1. Do not wash pumps and lines. 2. Wash pumps and lines. 3. Reverse out 4. Run Blend Test on Cement 5. Record Rate, Pressure, and Density on 3.5" disk 6. Confirm densitometer with pressurized mud scales Surface: Preflush 20 bbl. FreshWater Slurry 1 47 sx Class C Cement 60 cuft TOC@Surface + 2% CaCl2 (accelerator) 0.1503 cuft/ft OH Slurry Properties: Density Yield Water (lb/gal) (ft3/sk) (gal/sk) Slurry 1 15.2 1.27 5.8 Casing Equipment: 7". 8R. ST&C 1 Guide Shoe 1 Top Wooden Plug 1 Autofill insert float valve Centralizers, as needed 1 Stop Ring 1 Thread Lock Compound

Cementing Program

Production:												
Froduction.	Fresh Water		10 bbl	CW100								
	Lead		9	1 sx Class "G" Ceme	nt	237 cuft						
	Slurry 1			+ 3% D79 extender	•							
	TOC@Surface			+ 2% S1 Calcium C	Chloride							
	_			+1/4 #/sk. Cellopha	ine Flake							
				+ 0.1% D46 antifoa	ım' .							
	Tail		5	7 sx 50/50 Class "G"/	/Poz	72 cuft						
	Slurry 2			+ 2% gel (extender)							
	500	Oft fill		0.1% D46 antifoam	· I	0.1026 cuft/ft OH						
				+1/4 #/sk. Cellopha	ne Flake	0.1169 cuft/ft csg ann						
				+ 2% CaCl2 (accel	erator)	-						
Slurry Properties	:	Density		Yield	Water							
		(lb/gal)		(ft3/sk)	(gal/sk)							
Slurry 1		11.4		2.61	17.77							
Slurry 2		13.5		1.27	5.72							
Casing Equipme	nt:	41/2", 8R, S	T&C									
		1 Float Shoe	(autofill with mi	nimal LCM in mud)								
		1 Float Colla	r (autofill with m	inimal LCM in mud)								
		Centralizers	as needed									
		1 Top Rubbe	er Plug									
		1 Thread Loc	ck Compound									