Form 3160-5 (August 1999)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0135 Expires: November 30, 2000

5.	Lease Serial No.
	SF-078106

Gold   Sea Well   Other   Contact   CHERRY HAVA   So. 045-23602   So. 045-2	SUNDRY!	NOTICES AND REPORT	IS ON WELL	.5		31-010100		
SUBMIT IN TRIPLICATE - Other instructions on reverse sites.  Type of Well  On Well (Start Reverse Start)  On Well (Floring)  On Well (Floring)	Do not use this abandoned well	s form for proposals to dr l. Use form 3160-3 (APD)	rill or to re-ent for such prop	er an osals.		6. If Indian, Allotte	e or Tribe Name	
Oil Well   Gas   Gas   Well   Other   Other   Oil Well   Other   Oil Well   Other   Oil Well   Oi	SUBMIT IN TRIE	PLICATE - Other instruction	ons on reverse	e side.		7. If Unit or CA/A	greement, Name and/or No.	
Name of Operator Completed Completed Operators (clearly state all performed regions) and Abandonment Notice   Change Plans   Plug Band Abandon   Recompleted Operators (clearly state all performed or provide the Bond No. on file with BLM/SIA. Required subsequent reports shall be filed only after all requirements, such day green and zone testing that been completed. Final Abandonamon Notices shall be filed only after all requirements, such day green celestrical between the work will be performed or provide the Bond No. on file with BLM/SIA. Required subsequent reports shall be filed donly after all requirements, such day green celestrical by the BLM Well Information System For AMOCO PRODUCTION COMPANY, sent to the Farmington   Title   Date 1 / 16 / 0 2   Dat	Type of Well							
Address National Control of Proceedings of the Control of Process of Survey Descriptions   Description   Process of Survey Descriptions   Process of Survey Survey   Process of Survey Survey   Process of Survey	Name of Operator	Contact: Ci	HERRY HLÁVA	A JAA	· · ·		2	
FO. BDX 3092 HOUSTON, TX 77253 Location of Well (Fourage, Sec., T. R. M., or Survey Description) Sec 15 T28N R12W SWNW 1770FNL 820FWL  12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION  Notice of Intent Acidize Subsequent Report Subsequent Report Change Plans Pinal Abandonment Notice Change Plans Pinal Abandonment Notice Convert to Injection Plug Back Water Disposal  Describe Proposed or Completed Operation (clearly state all pertions details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is deepen disposal or recomplete or provide the Boad No. on forward and substance heat one should be added to the state is ready for final inspection.)  Annote the Bond under which the work will be performed or provide the Boad No. on forward in the state is ready for final inspection.)  Annote Orpoduction Company requests permission to plug and abandon the subject well per the attached Approach the state is ready for final inspection.)  Annote Orpoduction Company requests permission to plug and abandon the subject well per the attached Approach that the state is ready for final inspection.)  Title Date 1/16/02						10. Field and Pool,	or Exploratory	
Sec 15 T28N R12W SWNW 1770FNL 820FWL  12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION  Notice of Intent   Acidize	P.O. BOX 3092 HOUSTON, TX 77253		KUTZ WEST PICTURED CLIFFS					
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION    Acidize	Location of Well (Footage, Sec., T.	, R., M., or Survey Description)						
Notice of Intent   Acidize   Deepen   Production (Start/Resume)   Water Shut-Off     Subsequent Report   Casing   Fracture Treat   Reclamation   Well Integrity     Subsequent Report   Casing Repair   New Construction   Recomplete   Other     Final Abandonment Notice   Change Plans   Plug Back   Water Disposal     Describe Proposed or Completed Operation (clearly state all pertinen: details, including entimated starting date of any proposed work and approximate duration thereof, if the proposal is to deepen directionally or recomplete horizonally, give substratice locations and measured and me verbulents of all pertinent markers and zones. If the proposal is to deepen directionally or recomplete horizonally, give substratice locations and measured and me verbulents of all pertinent markers and zones. Attach the Bond under of the involved operations. If the proposal is to deepen directionally or recomplete horizonally, give substratice locations and measured and me verbulents of all pertinent markers and zones. If the proposal is to deepen directionally or recomplete horizonally, give substratice locations and measured and me verbulents of all pertinent markers and zones. If the proposal is to deepen directionally of the substration and the proposal is to deepen directionally of the substration and the proposal is to deepen directionally of the substration and the complete of the subsequent reports shall be filed onto extenting has been completed. Final Abandoament Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the sits is ready for final inspection.    Amoco Production Company requests permission to plug and abandon the subject well per the attached   Proposal is the proposal in the proposal	Sec 15 T28N R12W SWNW 1	770FNL 820FWL				SAN JUAN COUNTY, NM		
Notice of Intent   Acidize   Deepen   Production (Start/Resume)   Water Shut-Off     Subsequent Report   Casing Repair   New Construction   Recomplete   Other     Final Abandonment Notice   Change Plans   Plug and Abandon   Temporarily Abandon     Final Abandonment Notice   Change Plans   Plug Back   Water Disposal     Describe Proposal 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/RAI. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleted, and the operation 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.)  Arnoco Production Company requests permission to plug and abandon the subject well per the attached   Approval and the operator has recommended. Final Abandon the subject well per the attached   Approval and the operator has recommended been completed. Final days and the operator has recommended been completed, and the operator has determined that the site is ready for final inspection.)  Arnoco Production Company requests permission to plug and abandon the subject well per the attached   Approval and the operator has recommended been completed, and the operator has recommended been completed, and the operator has recommended been completed, and the operator has recommended been completed. Final has recommended been completed, and the operator has recommended been completed. Final has recommended been completed, and the operator has recommended been completed. Final has recommended been completed, and the operator	12. CHECK APPF	ROPRIATE BOX(ES) TO I	INDICATE NA	ATURE OF 1	NOTICE, RE	PORT, OR OTH	HER DATA	
Notice of Intent   Notice of Intent   Alter Casing   Fracture Treat   Reclamation   Well Integrity	TYPE OF SUBMISSION			TYPE OI	F ACTION		-	
Alter Casing   Fracture Treat   Reclamation   Well Integrity		☐ Acidize	☐ Deepen		☐ Production	on (Start/Resume)	☐ Water Shut-Off	
Final Abandomment Notice   Change Plans   Plug and Abandom   Temporarily Abandom   Convert to Injection   Plug Back   Water Disposal	☑ Notice of Intent		☐ Fracture	Treat	☐ Reclama	tion	■ Well Integrity	
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Describe Proposed or Completed Operation (clearly state all pertinen: 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 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.)  Amoco Production Company requests permission to plug and abandon the subject well per the attached  P&A procedure.  In hereby certify that the foregoing is true and correct.  Electronic Submission #9849 verified by the BLM Well Information System For AMOCO PRODUCTION COMPANY, sent to the Farmington  Name (Printed/Typed) CHERRY HLAVA Churty Hlava Title AUTHORIZED REPRESENTATIVE  Title AUTHORIZED REPRESENTATIVE  Title Date 1/16/02  THIS SPACE FOR FEDERAL OR STATE OFFICE USE  Title Date 1/16/02  Title Date 1/16/02  Office	☐ Final Abandonment Notice	☐ Change Plans	🛭 Plug and	Plug and Abandon T		rily Abandon		
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Name (Printed/Typed) CHERRY HLAVA Title AUTHORIZED REPRESENTATIVE  Signature (Electronic Submission)  Date 12/20/2001  THIS SPACE FOR FEDERAL OR STATE OFFICE USE  Title Date 1/16/02	P&A procedure.	requests permission to prog	g and abandon			70 8	27 M 7: 3	
Signature (Electronic Submission)  THIS SPACE FOR FEDERAL OR STATE OFFICE USE  Title  Date 12/20/2001  Title  Date 1/16/02	4. I hereby certify that the foregoing i	Flectronic Submission #3	9849 verified by UCTION COMP	the BLM Well	I Information the Farmingto	System n		
THIS SPACE FOR FEDERAL OR STATE OFFICE USE  Title  Date 1/16/0 2  Inditions of approval, if any, are attached. Approval of this notice does not warrant or tify that the applicant holds legal or equitable title to those rights in the subject lease ich would entitle the applicant to conduct operations thereon.  Office  Total	Name (Printed/Typed) CHERRY HLAVA Churry Hlava Title AUTHORIZED REPRESENTATIVE							
THIS SPACE FOR FEDERAL OR STATE OFFICE USE  Title  Date 1/16/0 2  Title  Date 1/16/0 2  Title  Date 1/16/0 2  Title  Date 1/16/0 2	Signature (Electronic Submission)  Date 12/20/2001							
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	le 18 U.S.C. Section 1001 and Title 4.	3 U.S.C. Section 1212, make it a c	crime for any perso	on knowingly an	id willfully to m	ake to any departme	ent or agency of the United	

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## San Juan Basin Well Work Procedure

Well Name: Version: Date: Budget: Repair Type: Objectives:	#: 1: D	CU 277 1 2/20/2001 RA lug and abandonn	nent								
1. P&A entire wellbore.											
Pertinent Inf	ormation:										
Location:	Sec 15 T2	28N R12W			Horizon:	Pictured Cliffs					
County:	San Juan				API#:	30-045-23602					
State:	New Mex	ico			Engr:	Allen Kutch					
Lease:					Phone:	(281)366-7955					
Well Flac:	88654101				SAP	X7-					
Lease Flac:	190381				SAF	X/-					
Formation T	ons: (Estim	nated formation tops	()								
Nacimento:	opo. (Louin	iatoa ioimanen tapa	′ M	enefee:							
Ojo Alamo:			P	oint Lookout:							
Kirtland Shal	e: 236		M	ancos Shale:							
Fruitland:	1112		G	allup:							
Pictured Cliff			G	raneros:							
Lewis Shale:			D	akota:							
Chacra:			M	orrison:							
Cliff House:											
Bradenhead Test Information:											
Bradennead Test Date:	i rest infor	mation: Tubing:	Casing:	BH:							
ו פשנ שמנפ.		rubilig.	`		<b></b>						
Time B	н с	SG	INT_	CSG							
5 min											

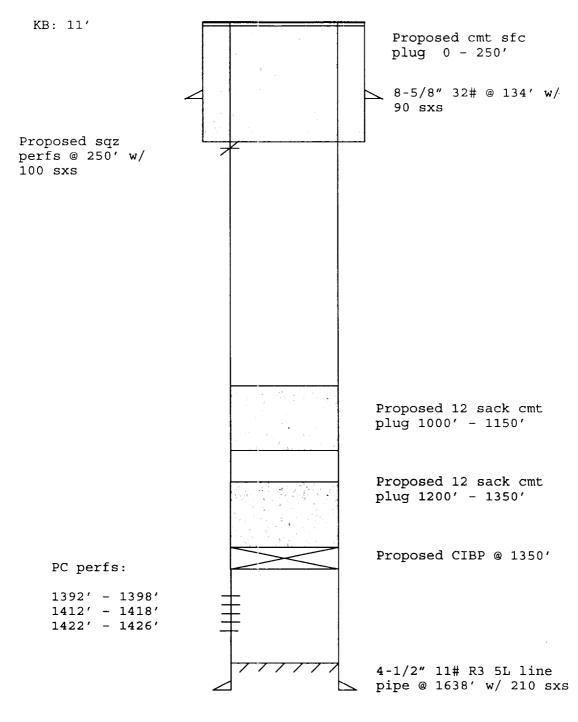
Comments:

10 min 15 min

## Plug and abandonment procedure

- 1. Contact Federal and State agencies prior to starting P&A work (NMOCD Charlie Perrin, 505-334-6178 X16, BLM 505-599-8907).
- 2. Check location for anchors. Install if necessary. Test anchors.
- 3. MIRUSU. Check and record tubing casing and bradenhead pressures.
- 4. Blow down well and kill well, if necessary, with lease water.
- 5. ND wellhead. NU BOP's.
- 6. POOH with 2-3/8" tbg.
- 7. TIH with CIBP on tbg. Set CIBP at 1350' to abandon PC perfs. Test csg to 300 psi.
- 8. Spot 12 sack cmt plug 1200' 1350' to isolate the PC.
- 9. Spot 12 sack cmt plug 1000' 1150' to isolate the Fruitland.
- 10. Perf @ 250' with 4 JSPF. Sqz with 100 sxs, attempting to circulate to surface.
- 11. Top off csg with cmt, leaving surface plug 0 250'.
- 12. ND BOP. Cut off wellhead and casing. Weld on ¼" steel plate and PXA marker.
- 13. Provide workorder to Buddy Shaw for surface reclamation.

GCU 277 - Proposed P&A Configuration San Juan County, NM Unit E Section 15 T28N - R12W Run 24 12-20-2001 ATK



PBTD: 1574' TD: 1640'