DATE IN \$ 29108	PENSE ENGINEER TONUS BOGED IN OS DHC PKURO824;	238957
	ABOVE THIS LINE FOR DIVISION USE ONLY	
	NEW MEXICO OIL CONSERVATION DIVISION	
	- Engineering Bureau - 1220 South St. Francis Drive, Santa Fe, NM 87505	
<del></del>	ADMINISTRATIVE APPLICATION CHECKLIST	
THIS CHECKLIS	S MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND RI WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE	EGULATIOSN
[DHC [I	tandard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedicatio wwnhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] ualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response	<b>a</b> ]
_	•	-
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( [	cck One Only for [B] or [C] Commingling - Storage - Measurement DHC CTB PLC PC OLS OLM	DEIV
[	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery	
[	Other: Specify	
2] <b>NOTIFI</b> [	<b>TION REQUIRED TO:</b> - Check Those Which Apply, or Does Not Apply Working, Royalty or Overriding Royalty Interest Owners	
[	Offset Operators, Leaseholders or Surface Owner	
[	Application is One Which Requires Published Legal Notice	
[	Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office	
[	For all of the above, Proof of Notification or Publication is Attached, and/or,	,
[	Waivers are Attached	

### [3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

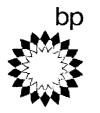
[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand tha**tno action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Cherry Hlava	Cherry Hlava	Regulatory Analyst	8-27-08
Print or Type Name	Signature	Title	Date

hlavacl@bp.com e-mail Address

### **BP America Production Company**



Cherry Hlava Regulatory Analyst 501 Westlake Park Boulevard, Rm 19.132 Houston, Texas 77079 281-366-4081

Aug. 28, 2008

RE: Permit to Down-hole Tri-Commingle Florance T 123M API 30-045- 25564 Basin FC, Blanco MV & Basin Dakota Section 03, T29N & R8W San Juan County, New Mexico

Attention: Will Jones,

Just a quick note to let you know there is an existing MV & DK DHC 1579 approved 7/14/1997. We never DHC the well.

BP is now requesting to pull the Fruitland Coal short string and Tri-mingling with the MV & DK. Please see procedure and application attached.

Sincerely,

Churry Hava

Cherry Hlava Regulatory Analyst

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1625 N. French Drive, Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210

District III Well

1000 Rio Brazos Road, Aztec, NM 87410 District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-107A Revised June 10, 2003

**Oil Conservation Division** 1220 South St. Francis Dr.

APPLICATION TYPE <u>X</u>Single

No

Establish Pre-Approved Pools

Santa Fe, New Mexico 87505

**APPLICATION FOR DOWNHOLE COMMINGL** 

EXISTING WELLBORE <u>X</u> Yes

77253

#### Address P.O Box 3092 Houston, TX Operator **BP** America Production Company

Well No. 123M Unit Letter-Section-Township-Range Unit M Section 3 T29N, R08W Lease Florance T County San Juan

OGRID No.<u>000778</u> Property Code <u>00552</u> API No.<u>30-045-25564</u> Lease Type: <u>X</u> Federal \_\_\_\_\_ \_\_State Fee

DATA ELEMENT	UPPER	ZONE	INTERME	DIATE ZONE	LOWER ZONE			
Pool Name	Basin Fruit	land Coal	Blanco	Mesaverde	Ba	asin Dakota		
Pool Code	7162	29	,	72319	71599			
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2843' – 2956'		Bottom of Pay Section		7:	294' -7516'		
Method of Production (Flowing or Artificial Lift)	Flowing		Flowing		Flowing Flowing			Flowing
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	460 psi		425		590			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	125	4	1023		1254			
Producing, Shut-In or New Zone	produ	cing	producing			Т&А		
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history. applicant shall be required to attach production estimates and supporting data.)	Date: May 200 Rates: 1657 m		Date: May 2008 Rates: 1098 mer=		Date: 6/26/1997 T&A'd Rates:			
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil 33 %	Gas <b>43 %</b>	Oil <b>66%</b>	Gas <b>42 %</b>	Oil <b>1%</b>	Gas (Est) <b>15%</b>		

### **ADDITIONAL DATA**

Are all working, royalty and overriding royalty interests identical in all commingled zones? If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?	Yes_X Yes	No No
Are all produced fluids from all commingled zones compatible with each other?	Yes_X	No
Will commingling decrease the value of production?	Yes	No <u>X</u>
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?	Yes <u>X</u>	No
NMOCD Reference Case No. applicable to this well:		

Production curve for each zone for at least one year. (If not available, attach explanation.)

For zones with no production history, estimated production rates and supporting data. Data to support allocation method or formula.

E-MAIL ADDRESS <u>hlavacl@bp.com</u>

Notification list of working, royalty and overriding royalty interests for uncommon interest cases.

Any additional statements, data or documents required to support commingling.

### **PRE-APPROVED POOLS**

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools List of all operators within the proposed Pre-Approved Pools

Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application. Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

signature Cherry Hlava	TITLE Regulatory Analyst DATE 08/27/2008
TYPE OR PRINT NAME Cherry Hlava	TELEPHONE NO. (281) <u>366-4081</u>

API 30.045-25564

Subnul to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

• '

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

### State of New Mexico Energy, Minerals and Natural Resources Department

### **OIL CONSERVATION DIVISION**

P.O. Box 2088 Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator					Lease				Well No. 12:	ZM
Алосо Рі	rodu	ction Cor	npany		Flora	ance T			-+13	
Unit Letter	Soctio		Township		Range		· · · · · · · · · · · · · · · · · · ·	County		
M		3	2	9N		8W	NMPM	Sa	n Juan	
Actual Footage Loca	tion of	Well:	-			0.00		•		
910	feet f	om the	FSL	line and	Pool	960	feet from	the FWL	line	
Ground level Elev.			g Formation						Dedicated Acrea	ge:
6307 '		Fruitl	and Coal	hy colored per		Fruitland C			324 W/2	Acres
1. Output		icage ocurated	to the subject wea	by colored peo		and of the plat of				
2. If more	e than o	oe lease is ded	icated to the well, o	utline each and	identify the ow	nerthip thereof (bo	h ss to worki	ng interest and a	royaliy).	
3. If more	than o	ne lease of diff	erent ownership is	dedicated to the	well, have the	interest of all owne	rs been consol	idated by comm	nunitization.	
		rce-pooling, etc						,		
	Yes	List the sum of	No If and and tract description	wer is "yes" typ			avera tida of			
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or until a	non-sta	ndard unit, elin	ninating such intere	st, has been spp	roved by the D	ivition_	·			
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DISTRICT I P.O. Box 1980, Hobbs, NM 88240 DISTRICT II 311 South First,, Artesia, NM 88210

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1000 Rio Brazos Rd., Aztec, NM 87410 DISTRICT IV

2040 South Pacheco, Sante Fe, NM 87505

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### State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised October 18, 1994 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

## OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, New Mexico 87505

960

WEST

San Juan

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	30045255	64	Pool Co	ode 72319	Pool N	ime	Blanco Mes	averde	
Property Code 0005		Property Name			Florance T			Well Nur	nber /23M -123E
OGRID No.		Overator Name						Elevation	
0007	78	<u> </u>		AMOCO PI	RODUCTION	COMPANY			6307
				Su	rface Loca	ation			
UL or lot no.	Section	Township	Range	Lot. Ida	Feet from the	North/South Line	Feet from the	East/West Line	County

910

SOUTH

### Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot, Ida	Feet from the	North/South Line	Feet from the	East/West Line	County
Dedicated Acreage	*	Joint or Infill	Cone	olidation Code	Order No.	L I		ł ł	
324.6									

### NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

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OIL CONSERVATION DIVISION

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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30-045-25564

### P. O. UOX 2088 SANTA FE, NEW MEXICO 87501

Form C-107 kevised 10-1-78

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Mail Latit       Township       Program       County       San Juan         Arread Foreign L Section of Valit       3291       San Juan       ****         Section Transmiss       Production of Marrien South       Bassin Dakota/:       ****         Producting Formation       Production of Marrien South       Bassin Dakota/:       ****         1. Outline the acreage dedicated to the subject well by colored presid of hackure marks on the plat below, ****       ****         2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).       3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?         If yes       No       If answer is "yes," type of cossolidation         If answer is "no." list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary)         No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.         Sec.       If more that is information communitization owners and tract descriptions of the second approved by the Commission.         Sec.       If more that is into end complexe of the second indext of the second complexe of the second complexe of thema second complexe of thema second complexe of	Operator		Lea	i			Well No. 123 M
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SEC. SEC. SEC. SEC. SEC. Date March 9, 1983 I haveby cartify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and bellef. Date Surveysed September 30, 1983 Registered Professional Engineer and ford Surveysed Fred. S. Kert JT. Certificate Not.		بر ا	ľ	1	j		041.0
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# SJ Basin Tri-Mingle Procedure 30-045-25564

Well Name:	Florance T 123M		
Date:	July, 25 2008		
<b>Repair Type:</b>	Well Servicing		
Location:	T29N-R08W-Sec03		
State:	San Juan Co., New Mexico	Engr:	Matt Mientka
Horizon:	FC/MV/DK	ph	281-366-5721

### Objective: Pull tubing, clean out, mill up plug and change tubing if necessary.

- I. Pull short string.
- 2. Pull long string and remove packer.
- 3. Clean out and drill up CIBP above Dakota.
- 4. Install new 2 3/8"
- 5. Production string.
- 6. Return well to production 'tri-mingled' with plunger.

### History

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Well was drilled in 1983 and completed in the Dakota and Pictured Cliffs. In 1992, the PC was plugged and the Fruitland was perf'd and frac'd. During a recomplete in 1997, the Dakota was placed under a plug and the Mesa Verde was added. The Dakota plug was never removed and the well has been a duel (MV and FC) producer. Currently the Fruitland is producing well, with some loading issues, and the Mesa Verde

### **Procedure:**

- 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. RU slickline unit. Pressure test lubricator and equipment. RIH and set **two** barriers (CIBP, tbg collar stop w/plug, or plug set in nipple) for isolation in each tubing string. See wellbore Diagram below for BHA details of each tubing string.
- 4. Check and record tubing, casing, and bradenhead pressures. 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 well. 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.
- 8. Nipple down Wellhead. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 200 psi above BHP. Monitor flowing casing pressure with gauge throughout workover.
- 9. Install stripping rubber, pull tubing hanger and shut pipe rams. Strip tubing hanger out of hole.
- 10. TOH with 2 3/8" short production tubing currently set at 2885'.
- Pull Long string out of 7" model "D" packer set at 3117'. If tubing will not pull out of packer - RU WL and chemical cutters to cut tubing a few feet above packer depth. RD WL - then TOH and LD 2-3/8" production tubing (long string).
- 12. RIH with 2-3/8" workstring w/ mill and mill-off slip elements on 7" Model 'D' packer set at 3117' and retrieve packer with packer plucker and TOH. Packer was installed during MV payadd in 1997.
- 13. Rig up air package/unit, pressure test all lines (Testing procedure to be supplied from Air Company).
- 14. RIH with bit and scraper for 4-1/2" casing and cleanout to CIBP @ 5440'. Check the distance between the top of the blind rams and the length of the bottomhole assembly that is being run. If the BHA is too long then the well has to be top killed and monitored prior to opening bind rams. TOH with bit and scraper and workstring.
- 15. Before milling through CIBP, establish good air circulation and mist up air if necessary. The DK and pressure below the plug is estimated at ~800 psi.
- Mill through Cast iron and clean out to Dakota PBTD of ~7560'. Ensure wellbore is clean and dry. Reference Under-Balanced Well Control Tripping Procedure. TOH w/ workstring.
- 17. POOH. Reference "Under Balanced Well Control Tripping Procedure".
- TIH with new 2-3/8" J-55, 8rd, EUE tubing. Reference "Under Balanced Well Control Tripping Procedure".
- 19. Land new 2-3/8" production tubing at +/- 7500'. Lock down hanger.
- 20. Pressure test tubing to 500 psi with air unit, make sure tubing spool valves are open. Care should be taken during pressure testing of the tubing due to potential problem caused if tubing parts close to surface or above the hanger. Check all casing strings for pressure. The operations of removal of BOP and installation of wellhead will be performed under a dispensation for one (1) barrier on the backside.
- 21. ND BOP's. NU Wellhead. During Master valve placement ensure the top of hanger has spacer nipple in place to bottom of bonnet flange so plunger equipment will not hang up through tree. Pressure test Wellhead if capable.

- 22. RU WL unit. Run gauge ring for 2-3/8" tubing and broach tubing. Pull plugs and set tubing stop for plunger. Communicate plunger equipment status to IC room personnel.
- 23. RD slickline unit.
- 24. Test well for air. Return well to production.
- 25. Ensure all reports are loaded into DIMS. Print out summary of work and place in Wellfile. Have discussion with production engineer/optimizer about particulars of well when handing off the well file.

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WELL NAME:	Florance T 123M		- Line	SPUD DATE: 10/14/83	
LOCATION: SEC/TWN/RNG	910' FSL 960' FWL 3 T29N	R8W		RIG REL:         10/22/83           COMP DATE:         11/01/83	
COUNTY, ST:	San Juan Co., NM	ROW	-	COMP DATE: 11/01/85	
WELL TYPE:	Gas		_	FORMATION: Mesa Verde / Fruitland Coal	
BP WI;	NRI;			API#: 30-045-25564	
	BCPD BWPD	MCFD	]		
MV IP			_	Florance T 123M	
FT IP				, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	
INTERMEDIATE CAS	ING DESIGN		-	GL 6307'	
7"				КВ	
82 jnts	K-55 23#/ft				
				9 5/8" K-55 36# Csg @ 301'	
				w/ 225 sx cmt. @ surface (circ)	
SET @	3650'				
1st Stg CEMENT	25 sx 65: 35 lite + 2% CaCl				
TAIL IN W/	<u>184 sx CL-B + 2% CaCl</u>				
2nd Stg CEMENT	249 sx 65:35 Lite + 2% CaCl				
TAIL IN W/	50 sx Cl-B + CaCl				
PRODUCTION LINER	DESIGN				
PRODUCTION LINER	A DESIGN			DV tool @ 2217' TOC @ Surf (circ)	
4 1/2" 86 jnts (4047')	 K-55 10.5#		Short String		
	K-55 11.6#		2 3/8" tbg @ 2885		
14 jnts	K-33 11.0#		2 5/8 10g @ 2885		
SET @	3500' - 7560'				
CEMENT W/	20 BBL CW-100 w/ 243 sx 65:35 Poz			Fruitland Coal	
JA JA		-	Pictured Cliffs	2843' - 2956'	
TAIL IN W/	150 sx class 'B'		sqz'd w/ 200 sx	PC (3015' - 3066')	
CMT TOP @				Model 'D' Packer @ 3117'	
DETER. BY					
				🗙 📄 🔀 TOL @ 3500'	
				7" K-55 @ 3650'	
PERF. DATA:	SPF FORM			TOC @ 3970'	
642' - 4895'	Cliffhouse				
4983' - 5333'	15 holes Pnt Lookout/ Men				
2843' - 2883'	344 Hole Fruitland				
2896' - 2956'	248 Holes Fruitland				
	Plugged		1	2 3/8" tbg	
2 3015' - 3066'	28 holes Pictured Cliffs			EOT @ 5220'	
7294' - 7516'	35 holes Dakota				
				Mesa Verde	
TUBING DATA	J-55 4.7 #/ft			4642' - 4895' (Cliffhouse) 4983' - 5333'	
4 3/0	J-554.7 #/ft			(Point Lookout / Menefee)	
SET @	5220'			PBTD / CIBP @ 5440'	
PACKER					
S.N ID / @				4 1/2" K-55 @ 7560'	
			FRAC JOB;	(1) - 67,000 gal 30# XL gel w/ 130,000# Sand	
			(2) - 695 bbl H20	(70Q N2 Foam) W/ 30# gel and 62,000# 20/40 sand	
l			(3) -179,000 gal sl	ick H20 w/ 12,900# 40/70 and 125100# 20/40 Brady	
			(4) - 132212 gal Slick H20 w/ 9300# 40/70 and 37450 20/40 Brady (5) - 676 bbl H2O + 109,611 scf N (70Q foam) w/ 100,000# AZ sand		
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				w/ 70,000# 16/30 AZ sand	
				Origninally drilled and dual completed DK and PC in 1983	
				as abandoned and the FT was perf'd and frac'd	
				class 'B' cmt @ 1.5 BPM tested tp 1500# (Jun 92)	
			In 1997 DK was T&A under CIBP @ 5440'. MV was perfed and Frac'd.		
Prepared By :	Matt Mientka		Well was dual completed as FC and MV.		
Date :	7-Jul-08				

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