

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. <b>30-045-25564</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name <b>Florance T</b>
8. Well Number <b>123M</b>
9. OGRID Number 778
10. Pool name or Wildcat <b>FC, Basin Dakota &amp; Blanco Mesaverde</b>

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_

Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other ☐

2. Name of Operator  
**BP America Production Company Attn: Cherry Hlava**

3. Address of Operator  
**P.O. Box 3092 Houston, TX 77253**

4. Well Location  
Unit Letter M : 910 feet from the South line and 960 feet from the West line  
Section 3 Township 29N Range 08W NMPM San Juan County

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	P AND A <input type="checkbox"/>
MULTIPLE COMPL. <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>
OTHER: <b>DOWNHOLE TRI-COMMINGLE</b> <input checked="" type="checkbox"/>	OTHER: <input type="checkbox"/>

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

The above mentioned well is approved to DHC MV & DK per permit DHC 1579 dated 7/2/1997.

RCVD SEP 2 '08  
OIL CONS. DIV.

BP America Production Company requests permission to convert this dual string wellbore to a single string completion and DHC the Basin Fruitland Coal (71629) Blanco Mesa Verde (72319) & Basin Dakota (71599).

The Basin FC, Blanco Mesa Verde & Basin DK pools are ~~Pre-Approved for Downhole Commingling per NMOC order R-11363~~ **No**  
The Working, Royalty & Override Interest Owners are identical therefore no notification is required.

BLM has been notified SF - 078596A

Production is proposed to be allocated based on a fixed percentage using prior production. DK is isolated with a Bridge Plug set @5440' on 6/26/1997. Percentage allocation is attached on Form C107A.

Commingling Production Downhole in the subject well from the proposed pools will not reduce the value of the total remaining production

*DHC in application process 9/4/08*  
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☐ a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Cherry Hlava TITLE Regulatory Analyst DATE 8-27-08

Type or print name Cherry Hlava E-mail address: hlavac@bp.com Telephone No. 281-366-4081

For State Use Only

Deputy Oil & Gas Inspector,  
District #3

APPROVED BY: [Signature] TITLE \_\_\_\_\_ DATE SEP 05 2008

Conditions of Approval (if any): *Not pre-approved Pool combination Application is in S.F.OCD engineering bureau*  
*CC: NMOC Aztec office*

## SJ Basin Tri-Mingle Procedure

30-045-25564

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

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

1. 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.

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### History

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 recompleate 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 dual (MV and FC) producer. Currently the Fruitland is producing well, with some loading issues, and the Mesa Verde

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### Procedure:

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. 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'.
11. 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 blind 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.**
16. 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".
18. 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.



WELL NAME: Florance T 123M  
LOCATION: 910' FSL 960' FWL  
SEC/TWN/RNG: 3 T29N R8W  
COUNTY, ST: San Juan Co., NM  
WELL TYPE: Gas  
BP.WI: NRI:  
BCPD BWPD MCFD

SPUD DATE: 10/14/83  
RIG REL: 10/22/83  
COMP DATE: 11/01/83  
FORMATION: Mesa Verde / Fruitland Coal  
API#: 30-045-25564

MV IP  
FT IP  
**INTERMEDIATE CASING DESIGN**

7"		
82 jnts	K-55	23#/ft
SET @	3650'	
1st Stg CEMENT	25 sx 65 35 lite + 2% CaCl	
TAIL IN W/	184 sx CL-B + 2% CaCl	
2nd Stg CEMENT	249 sx 65 35 Lite + 2% CaCl	
TAIL IN W/	50 sx CL-B + CaCl	

**PRODUCTION LINER DESIGN**

4 1/2"		
86 jnts (4047')	K-55	10.5#
14 jnts	K-55	11.6#
SET @	3500' - 7560'	
CEMENT W/	20 BBL CW-100 w/ 243 sx 65 35 Poz	
TAIL IN W/	150 sx class 'B'	
CMT TOP @		
DETER. BY		

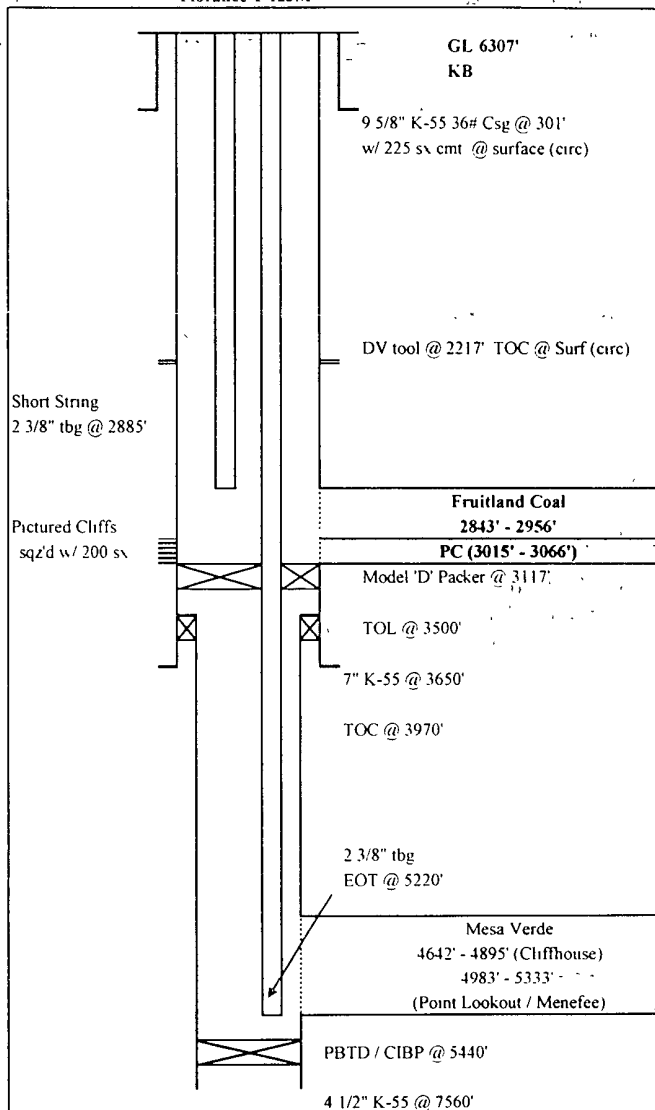
PERF. DATA:	SPF	FORM.
6 4642' - 4895'		Cliffhouse
5 4983' - 5333'	15 holes	Pnt Lookout/ Men
4 2843' - 2883'	344 Hole	Fruitland
3 2896' - 2956'	248 Holes	Fruitland
	Plugged	
2 3015' - 3066'	28 holes	Pictured Cliffs
1 7294' - 7516'	35 holes	Dakota

**TUBING DATA**

2 3/8"	J-55	4.7 #/ft
SET @	5220'	
PACKER		
S.N ID / @		

Prepared By : Matt Mientka  
Date : 7-Jul-08

**Florance T 123M**



**FRAC JOB:** (1) - 67,000 gal 30# XL gel w/ 130,000# Sand  
(2) - 695 bbl H2O (70Q N2 Foam) W/ 30# gel and 62,000# 20/40 sand  
(3) - 179,000 gal slick H2O w/ 12,900# 40/70 and 125100# 20/40 Brady  
(4) - 132212 gal Slick H2O w/ 9300# 40/70 and 37450 20/40 Brady  
(5) - 676 bbl H2O + 109,611 scf N (70Q foam) w/ 100,000# AZ sand  
(6) - 410 bbl H2O w/ 70,000# 16/30 AZ sand  
**NOTES:** Originally drilled and dual completed DK and PC in 1983  
In 1992 the PC was abandoned and the FT was perf'd and frac'd  
PC sqz'd w/ 200sx 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  
Well was dual completed as FC and MV

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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.

Santa Fe, New Mexico 87505

APPLICATION TYPE  
☒ Single

Establish Pre-Approved Pools  
EXISTING WELLBORE  
☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

Operator **BP America Production Company**

Address **P.O Box 3092 Houston, TX 77253**

Lease **Florance T**

Well No. **123M** Unit Letter-Section-Township-Range **Unit M Section 3 T29N, R08W**

County **San Juan**

OGRID No. **000778** Property Code **00552** API No. **30-045-25564** Lease Type: ☒ Federal ☐ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Basin Fruitland Coal	Blanco Mesaverde	Basin Dakota
Pool Code	71629	72319	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2843' - 2956'	4642' - 5333'	7294' - 7516'
Method of Production (Flowing or Artificial Lift)	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)	1254	1023	1254
Producing, Shut-In or New Zone	producing	producing	T&A
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 2008 Rates: 1657 mcf	Date: May 2008 Rates: 1098 mcf	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                  Gas 33 %                  43 %	Oil                  Gas 66 %                  42 %	Oil                  Gas 1 %                  (Est) 15 %

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 ☒ No ☐  
Yes ☐ No ☐

Are all produced fluids from all commingled zones compatible with each other?

Yes ☒ No ☐

Will commingling decrease the value of production?

Yes ☐ No ☒

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 ☒ No ☐

NMOCD Reference Case No. applicable to this well: \_\_\_\_\_

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- 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.
- 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) 366-4081

E-MAIL ADDRESS hlavacl@bp.com

CC: NMOCD Aztec Office