DATE IN 1/16/09	SUSPENSE	ENGINEER DRC	LOGGED IN LR	TYPE DHC	APP NO. PLR0402129920

ABOVE THIS LINE FOR DIVISION USE ONLY

3233

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-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]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☒ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ 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 that **no 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.

Mary Corley	Mary Corley	Sr. Regulatory Analyst	01/13/2004
Print or Type Name	Signature	Title	Date

corleyml@bp.com
e-mail Address

District I
1625 N. French Drive, Hobbs, NM 88240

2000
District II
811 South First Street, Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

Pools
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised May 15,

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87505

APPLICATION TYPE
_X_ Single Well
___ Establish Pre-Approved

EXISTING WELLBORE
_X_ Yes ___ No

APPLICATION FOR DOWNHOLE COMMINGLING

BP America Production Company Operator — **P. O. Box 3092 Houston, TX 77253** Address

Florance C LS Lease — **6** Well No. — **Unit L Section 30 T28N, R08W** Unit Letter-Section-Township-Range — **San Juan** County

OGRID No. **000778** Property Code **000527** API No. **30-045-07135** Lease Type: **X** Federal ___ State ___ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	**Blanco Pictured Cliffs S.**	**Otero Chacra**	**Blanco Mesaverde**
Pool Code	**72439**	**82329**	**72319**
Top & Bottom of Pay Section (Perforated or Open-Hole Interval)	**2128' – 2182'**	**3082' - 3233'**	**4006' – 4580'**
Method of Production (Flowing or Artificial Lift)	**Flowing**	**Flowing**	**Flowing**
Bottomhole Pressure	**290**	**430**	**480**
Oil Gravity or Gas BTU (Degree API or Gas BTU)	**1192 BTU**	**1210 BTU**	**1356 BTU**
Producing, Shut-In or New Zone	**Producing**	**New Zone**	**Producing**
Date and Oil/Gas/Water Rates of Last Production.	Date: Rates:	Date: Rates:	Date: Rates:
Fixed Allocation Percentage	Oil % Gas %	Oil % Gas %	Oil % Gas %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes_X_ No_____
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes_____ 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_X_

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 Mary Corley TITLE **Sr. Regulatory Analyst** DATE **01/13/2004**

TYPE OR PRINT NAME **Mary Corley** TELEPHONE NO. (**281**) **366-4491**

Florance C LS 6
Recomplete to Chacra formation, downhole commingle Pictured Cliffs, Chacra and Mesaverde

Procedure:

1. Check anchors. MIRU workover rig.

2. Check and record tubing, casing, and bradenhead pressures.

3. Blow down well. Kill with 2% KCL water ONLY if necessary.

4. Nipple down WH. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 500 psi. Monitor flowing casing pressure with gauge (with casing flowing to blow tank) throughout workover.

5. RU slickline unit or wireline unit. RIH and set plug (CIBP, tbg collar stop, or plug set in nipple) for isolation.

6. POOH w/ production tubing set at 4511'.

7. TIH with bit and scraper for 5-1/2" casing to PBTD at 4589'. Work casing scraper across Mesaverde perforations (4006' – 4580') and new Chacra interval (3082' – 3233').

8. RU WL unit. RIH with 5-1/2" CIBP. Set CIBP at 3400'.

9. Run CBL from 3400' to top of liner to confirm that top of cement is above 3,000'. If cement is not above 3,000' block squeeze at 3,000'.

10. RIH with 3-1/8" casing guns. Perforate Chacra formation (correlate to GR log) w/ 2 SPF (27 shots, 54 holes) at: 3233, 3231, 3229, 3227, 3225, 3223, 3221, 3219, 3217, 3211, 3209, 3207, 3203, 3201, 3199, 3197, 3195, 3193, 3191, 3096, 3094, 3092, 3090, 3088, 3086, 3084, 3082'.

11. RIH with 2-7/8" X 3-1/2" tapered frac string and 5-1/2" packer. Set packer at 2400'.

12. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule. Maintain surface pressures ≤ 3500 psi during frac job to stay within 80% of 5-1/2" casing burst rating. Flush frac with foam. Fill out GWSI scorecard.

13. Flowback frac immediately.

14. TIH with tubing and bit. Cleanout fill and drill bridge plug set at 3400'. Cleanout fill to PBTD. Blow well dry at PBTD.

15. Rabbit tubing and RIH with 2-3/8" production tubing (with a muleshoe and X-nipple with blanking plug). Fill tubing with KCL water while RIH.

16. Land 2-3/8" production tubing at 4511'.

17. Pressure test tubing to 500 psi with rig pumps.

18. Swab down tubing with sandline.

19. RU SL unit. Run gauge ring for 2-3/8" tubing. Pull plug and set tubing stop for plunger. RD slickline unit.

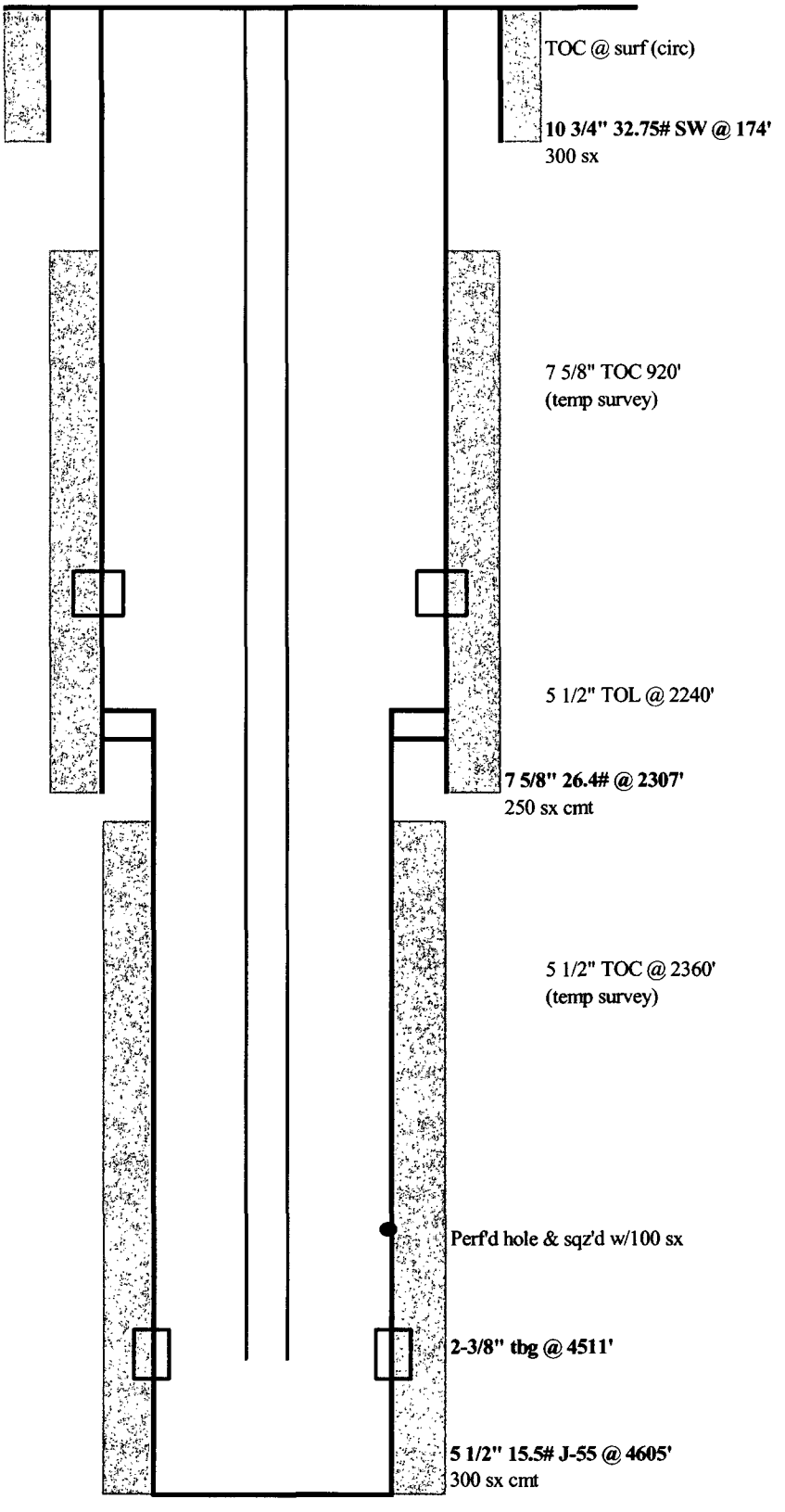
20. ND BOP's. NU WH. Test well for air. Return well to production and downhole commingle Chacra and Mesaverde production.

Florance C LS 006 PC/MV

API# 3004507135

Sec 30, T28N, R8W

GL: 5854'



History:
- Drilled & completed in 1957
DHCM and added MF in 7/03

PC Perforation
2128' - 2182', 40 klbs sand

Mesaverde perforations:
4006'-4330' w/ 84,000 #'s sand
4406'-4580' w/ 60,000 #'s sand

PBTD: 4589'
TD: 4610'

updated: 10/17/03 CFR

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised August 15, 2000

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-045-07135	82329	Otero Chacra

[4] Property Code	[5] Property Name	[6] Well Number
000326	Florance C LS	6

[7] OGRID No.	[8] Operator Name	[9] Elevation
000778	BP America Production Company	5854' GR

[10] Surface Location

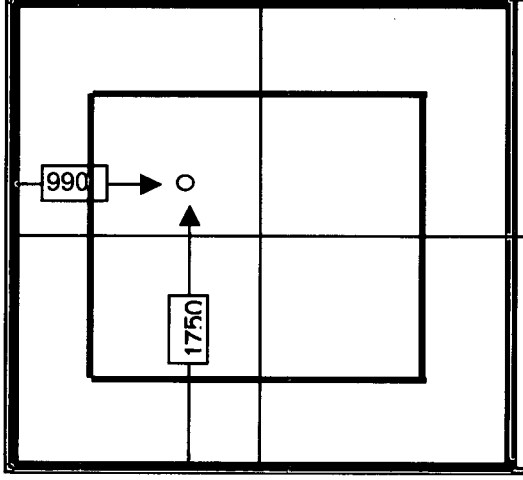
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet from	East/West	County
Unit L	30	28N	08W		1750'	South	990'	West	San Juan

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet	East/West	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
160			

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



[17] OPERATOR CERTIFICATION

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

Mary Corley
Signature

Mary Corley
Printed Name

Sr. Regulatory Analyst
Title

01/13/2004
Date

[18] SURVEYOR CERTIFICATION

I hereby certify 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 belief.

04/23/1957
Date of Survey

Signature and Seal of Professional Surveyor:

E O Walker
Certificate Number

Florance C LS 6

Future Production Decline Estimate

Pictured Cliffs Daily Rates

Month	Gas Volume
Jan-2002	**30**
Feb-2002	**29**
Mar-2002	**33**
Apr-2002	**30**
May-2002	**37**
Jun-2002	**21**
Jul-2002	**6**
Aug-2002	**9**
Sep-2002	**17**
Oct-2002	**29**
Nov-2002	**43**
Dec-2002	**39**
Jan-2003	**5**
Feb-2003	**0**
Mar-2003	**23**
Apr-2003	**6**
May-2003	**44**
Jun-2003	**9**
Jul-2003	**12**
Aug-2003	**28**
Sep-2003	**32**
Oct-2003	**32**
Nov-2003	32
Dec-2003	31
Jan-2004	30
Feb-2004	29
Mar-2004	28
Apr-2004	27
May-2004	26
Jun-2004	25
Jul-2004	24
Aug-2004	24
Sep-2004	23
Oct-2004	22
Nov-2004	21
Dec-2004	20

ln(Qf/Qi) =	-dt
Qf=	23
Qi=	29
rate=	23
time=	6
dt=	-0.231801614
decline=	-0.888572854

Month	Gas Volume
Jan-2005	19
Feb-2005	18
Mar-2005	17
Apr-2005	16
May-2005	16
Jun-2005	15
Jul-2005	14
Aug-2005	13
Sep-2005	12
Oct-2005	11
Nov-2005	10
Dec-2005	9
Jan-2006	8
Feb-2006	8
Mar-2006	7
Apr-2006	6
May-2006	5
Jun-2006	4
Jul-2006	3
Aug-2006	2
Sep-2006	1
Oct-2006	0
Nov-2006	0
Dec-2006	0
Jan-2007	0
Feb-2007	0
Mar-2007	0
May-2007	0
Jun-2007	0
Jul-2007	0
Aug-2007	0
Sep-2007	0
Oct-2007	0
Nov-2007	0
Dec-2007	0
Jan-2008	0

Florance C LS 6

Future Production Decline Estimate

Mesaverde Daily Rates

Month	Gas Volume
Jan-2002	**139**
Feb-2002	**107**
Mar-2002	**109**
Apr-2002	**107**
May-2002	**104**
Jun-2002	**91**
Jul-2002	**121**
Aug-2002	**106**
Sep-2002	**101**
Oct-2002	**98**
Nov-2002	**95**
Dec-2002	**93**
Jan-2003	**91**
Feb-2003	**88**
Mar-2003	**89**
Apr-2003	**89**
May-2003	**90**
Jun-2003	**94**
Jul-2003	**12**
Aug-2003	**120**
Sep-2003	**137**
Oct-2003	**138**
Nov-2003	138
Dec-2003	138
Jan-2004	138
Feb-2004	138
Mar-2004	137
Apr-2004	137
May-2004	137
Jun-2004	137
Jul-2004	137
Aug-2004	136
Sep-2004	136
Oct-2004	136
Nov-2004	136
Dec-2004	136

ln(Qf/Qi) = -dt

Qf=	90
Qi=	91
rate=	90
time=	5
dt=	-0.011049836
decline=	-0.198897051

Month	Gas Volume
Jan-2005	135
Feb-2005	135
Mar-2005	135
Apr-2005	135
May-2005	135
Jun-2005	134
Jul-2005	134
Aug-2005	134
Sep-2005	134
Oct-2005	134
Nov-2005	133
Dec-2005	133
Jan-2006	133
Feb-2006	133
Mar-2006	133
Apr-2006	132
May-2006	132
Jun-2006	132
Jul-2006	132
Aug-2006	132
Sep-2006	131
Oct-2006	131
Nov-2006	131
Dec-2006	131
Jan-2007	131
Feb-2007	130
Mar-2007	130
May-2007	130
Jun-2007	130
Jul-2007	130
Aug-2007	129
Sep-2007	129
Oct-2007	129
Nov-2007	129
Dec-2007	129
Jan-2008	128

Month	Gas Volume
Feb-2008	128
Mar-2008	128
Apr-2008	128
May-2008	128
Jun-2008	127
Jul-2008	127
Aug-2008	127
Sep-2008	127
Oct-2008	127
Nov-2008	126
Dec-2008	126
Jan-2009	126
Feb-2009	126
Mar-2009	126
Apr-2009	125
May-2009	125
Jun-2009	125
Jul-2009	125
Aug-2009	125
Sep-2009	124
Oct-2009	124
Nov-2009	124
Dec-2009	124
Jan-2010	124
Feb-2010	124
Mar-2010	123
Apr-2010	123
May-2010	123
Jun-2010	123
Jul-2010	123
Aug-2010	122
Sep-2010	122
Oct-2010	122
Nov-2010	122
Dec-2010	122
Jan-2011	121

Florance C LS 6

Future Production Decline Estimate

Mesaverde Daily Rates

Month	Gas Volume
Feb-2011	121
Mar-2011	121
Apr-2011	121
May-2011	121
Jun-2011	120
Jul-2011	120
Aug-2011	120
Sep-2011	120
Oct-2011	120
Nov-2011	119
Dec-2011	119
Jan-2012	119
Feb-2012	119
Mar-2012	119
Apr-2012	118
May-2012	118
Jun-2012	118
Jul-2012	118
Aug-2012	118
Sep-2012	117
Oct-2012	117
Nov-2012	117
Dec-2012	117
Jan-2013	117
Feb-2013	116
Mar-2013	116
Apr-2013	116
May-2013	116
Jun-2013	116
Jul-2013	115
Aug-2013	115
Sep-2013	115
Oct-2013	115
Nov-2013	115
Dec-2013	114
Jan-2014	114

Month	Gas Volume
Feb-2014	114
Mar-2014	114
Apr-2014	114
May-2014	113
Jun-2014	113
Jul-2014	113
Aug-2014	113
Sep-2014	113
Oct-2014	112
Nov-2014	112
Dec-2014	112
Jan-2015	112
Feb-2015	112
Mar-2015	111
Apr-2015	111
May-2015	111
Jun-2015	111
Jul-2015	111
Aug-2015	110
Sep-2015	110
Oct-2015	110
Nov-2015	110
Dec-2015	110
Jan-2016	109
Feb-2016	109
Mar-2016	109
Apr-2016	109
May-2016	109
Jun-2016	108
Jul-2016	108
Aug-2016	108
Sep-2016	108
Oct-2016	108
Nov-2016	107
Dec-2016	107
Jan-2017	107

Month	Gas Volume
Feb-2017	107
Mar-2017	107
Apr-2017	106
May-2017	106
Jun-2017	106
Jul-2017	106
Aug-2017	106
Sep-2017	105
Oct-2017	105
Nov-2017	105
Dec-2017	105
Jan-2018	105
Feb-2018	104
Mar-2018	104
Apr-2018	104
May-2018	104
Jun-2018	104
Jul-2018	103
Aug-2018	103
Sep-2018	103
Oct-2018	103
Nov-2018	103
Dec-2018	102
Jan-2019	102
Feb-2019	102
Mar-2019	102
Apr-2019	102
May-2019	101
Jun-2019	101
Jul-2019	101
Aug-2019	101
Sep-2019	101
Oct-2019	100
Nov-2019	100
Dec-2019	100
Jan-2020	100

Catanach, David

From: Corley, Mary L [corleyml@bp.com]
Sent: Tuesday, January 27, 2004 5:39 AM
To: Catanach, David
Subject: RE: Florance No. 6


Allocation Method.doc


C-103 NOI DHC.DOC


DHC Procedure.doc

David,

I do apologize for the additional research I have caused with the subject application. I will endeavor in the future to give all pertinent data applicable to each application. Attached is the additional data you requested. If you prefer I will also submit this information via U.S. mail or UPS.

Additionally, I believe that I submitted at least two applications recently for other Florance C LC wells without including the allocation method - which would also be the subtraction method. I will review my filings and submit the required data as appropriate. Please advise if submitting this information via email would be acceptable or if via mail is more appropriate.

Your patience with me in this matter is greatly appreciated.

Sincerely,

Mary Corley
Senior Regulatory Analyst
San Juan Performance Unit
281-366-4491

-----Original Message-----
From: Catanach, David [mailto:DCATANACH@state.nm.us]
Sent: Monday, January 26, 2004 3:05 PM
To: Corley, Mary L
Subject: Florance No. 6

Ms. Corley:

I am currently reviewing your application to downhole commingle Pictured Cliffs, Chacra and Mesaverde pool production within the Florance C LS No. 6. I have some questions.

After a great deal of research, I found that this well was approved for commingling by Order No. DHC-1187AZ. If you would please help me out in future applications and tell me this up-front, it would speed things up. I do not have a copy of this order. Please provide me with a copy.

Your application does not state how production is to be allocated to each zone. Production estimates were provided for the PC and Mesaverde, however, I have no idea how you propose to allocate production. Please provide me with a detailed description of how production is to be allocated. Also, if you plan to use production estimates, tell me how these estimates were determined.

I will process your application upon receipt of the requested data.

Thank You,

Allocation Method
Florance C LS 6

BP America Production Company request permission to complete the subject well into the Otero Chacra and tricommingle production downhole with the existing Blanco South Pictured Cliffs and Blanco Mesaverde Pools as per the attached procedure.

The interest owners are identical between these three Pools, therefore, no additional notification is required prior to downhole commingling approval.

Production is proposed to be allocated based on the subtraction method using the projected future decline for production from the Pictured Cliffs and Mesaverde Pools. This production shall serve as a base for production subtracted from the total production for the commingled well. The balance of the production will be attributed to the Chacra. Attached are the future production decline estimates for the Pictured Cliffs & Mesaverde Pools.

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

Application has also been submitted to BLM on Form 3160-5, Federal Lease No. SF – 03549.

Pre Approved Pools:
Blanco-Mesaverde (72319) & South Blanco-Pictured Cliffs (72439) Pools
Blanco-Mesaverde (72319) & Otero-Chacra (82329) Pools
South Blanco-Pictured Cliffs (72439) & Otero-Chacra (82329) Pools

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, 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

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

Form C-103
Revised March 25, 1999

WELL API NO. 30-045-07135

5. Indicate Type of Lease STATE FEE

6. State Oil & Gas Lease No.

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

7. Lease Name or Unit Agreement Name:
Florance C LS
(Also filed on BLM Form 3160-5 Federal Lease SF - 03549)

2. Name of Operator
BP America Production Company **Attn: Mary Corley**

8. Well No.
6

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

9. Pool name or Wildcat
Blanco Mesaverde/Blanco S. Pictured Cliffs

4. Well Location

Unit Letter **L** **1750** feet from the **South** line and **990** feet from the **West** line

Section **30** Township **28N** Range **08W** NMPM **San Juan** County

10. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
5854' GR

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPLETION ☐	CASING TEST AND CEMENT JOB ☐	
OTHER: **Downhole Commingle** ☒		OTHER: ☐	

12. 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 recompilation.

BP America Production Company request permission to convert the subject well from a dual string completion to a single string completion, add pay in the Mesaverde and commingle production downhole from the Blanco Pictured Cliffs & Blanco Mesaverde Pools as per the attached procedure.

The Blanco Pictured Cliffs (72359) & the Blanco Mesaverde (72319) Pools are Pre-Approved Pools for Downhole Commingling per NMOCD order R-11363.

The working, overriding, and royalty interest owners in the proposed commingled pools are identical; therefore, no notification of this application need be submitted via certified mail.

Production is proposed to be allocated based on actual production from both the Pictured Cliffs and Mesaverde Pools as reflected on the attached allocation chart.

Commingling Production Downhole in the subject well from the proposed Pools with not reduce the value of the total remaining production. DHC 1187AZ

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

SIGNATURE _____ TITLE **Sr. Regulatory Analyst** DATE **04/22/2003**

Type or print name **Mary Corley** Telephone No. **281-366-4491**

(This space for State use)

APPPROVED BY Original Signed by Steve Hayden TITLE DEPUTY OIL & GAS INSPECTOR, DIST 3 DATE DEC 16, 2003

Conditions of approval, if any:

Florance C LS 006 PC/MV

Sec 30, T28N, R8W
API# 3004507135

1. Check anchors. MIRU workover rig.
2. Blow down well. Kill with 2% KCL water ONLY if necessary. ND WH and NU BOP's.
3. Tag for fill and TOH with 1-1/4" short string set at 2179'. LD production tbg.
4. TOH with 2-3/8" long string set at 4460'.
5. Mill 5 1/2" production packer set at 2313'.
6. Clean out to PBTD at 4589'.
7. RIH and set CIBP at 4350'. Test casing to 2500 psi.
8. RIH w/ GR log.
9. RIH with 3-1/8" casing guns 1 SPF 120 deg phasing with Schlumberger's Prospector, select-fire charge. Perforate Menefee (correlate to GR log).
10. RU frac equipment. Use 2% KCL-N2 foam in fracture stimulation.
11. Frac Menefee according to pump schedule.
12. Flowback frac fluid immediately.
13. POH with frac string.
14. RIH with work string and bit. Drill out CIBP set at 4350'. Continue clean out hole to PBTD at 4589'. Blow well dry with air package at PBTD. POH with work string.
15. Rabbit tubing and RIH with 2-3/8" production tubing (with X-nipple and plug on bottom). Replace any joints that fail the pressure test.
16. Land 2-3/8" production tubing at 4540'.
17. Swab water from tubing with the sandline.
18. RU slickline unit. Run gauge ring for 2-3/8" tubing. Pull plug. RD slickline unit.
19. ND BOP's. NU WH. Test well for air. Return well to production.

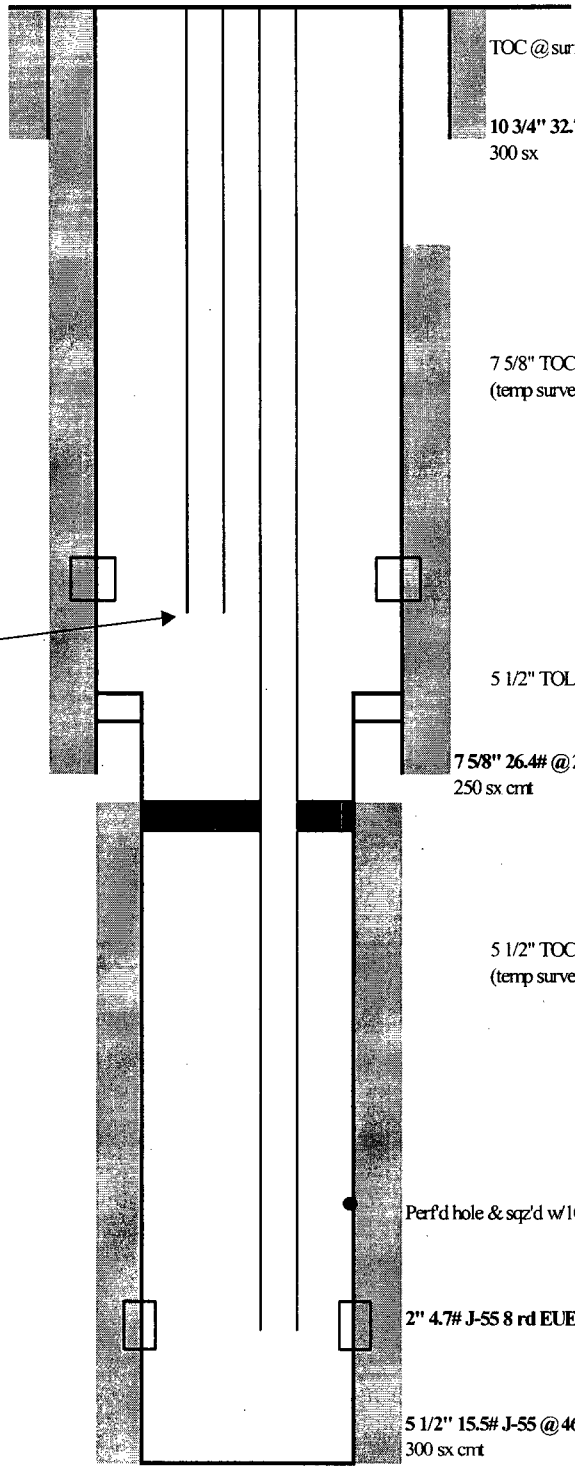
Allocation Based on Year 2002 Production				
Pool	Oil	%	Gas	%
Pictured Cliffs	0	0%	8628	19%
Mesaverde	98	100%	35852	81%

Florance C LS 006 PC/MV

API# 3004507135

Sec 30, T28N, R8W

GL: 5854'



History:
- Drilled & completed in 1957

PC Perforation
2128' - 2182', 40 klbs sand

Mesaverde perforations:

4406' - 4580', frac'd w/ 60 klbs sand

PBTD: 4589'
TD: 4610'

updated: 01/07/03 az