State of New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez Governor

David Martin Cabinet Secretary

Brett F. Woods, Ph.D. Deputy Cabinet Secretary David R. Catanach, Division Director Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following <u>3160-4 or 3160-5</u> form.

Operator Signature Date: 12/8/15 Well information:

			frmWellFi	lterSul	b								
API WELL #	Well Name	Well #	Operator Name	Туре	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-31722- 00-00	RUSSELL		BP AMERICA PRODUCTION COMPANY	G	A	San Juan	F	E	25	28	N	8	W

Application Type:

P&A Drilling/Casing Change Location Change

Recomplete/DHC (For hydraulic fracturing operations review EPA Underground injection control Guidance #84)

Other: Adding perforations

Conditions of Approval:

* If perforations are added outside of the exisiting perforated intervals a new C-104, completion sundry and completion report will be required, before returning well to production.

NMOCD Approved by Signature

<u>1/7/2015</u> Date

	UNITED STATES EPARTMENT OF THE INT BUREAU OF LAND MANAGI	OM Expi	RM APPROVED B NO. 1004-0135 ires: July 31, 2010	
SUNDRY	NOTICES AND REPOR	TS ON WELLS	5. Lease Serial No NMNM0138	
Do not use ti abandoned w	his form for proposals to di ell. Use form 3160-3 (APD)	6. If Indian, Allot	tee or Tribe Name	
SUBMIT IN TF	RIPLICATE - Other instruction	ons on reverse side.	7. If Unit or CA/A	Agreement, Name and/or No.
1. Type of Well ☐ Oil Well ⊠ Gas Well □ O	ther	and the state	8. Well Name and RUSSELL 4M	
2. Name of Operator BP AMERICA PRODUCTION	Contact: TO N CO. E-Mail: Toya.Colvin@	OYA COLVIN ⊉bp.com	9. API Well No. 30-045-3172	22-00-C1
3a. Address 200 ENERGY CT. FARMINGTON, NM 87401		3b. Phone No. (include area code Ph: 281-366-7148) 10. Field and Pool BASIN DAK BLANCO M	OTA
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Description)		11. County or Par	ish, and State
Sec 25 T28N R8W SWNW 2 36.633460 N Lat, 107.63878			SAN JUAN (COUNTY, NM
12. CHECK API	PROPRIATE BOX(ES) TO I	NDICATE NATURE OF	NOTICE, REPORT, OR OTI	HER DATA
TYPE OF SUBMISSION		ТҮРЕ О	F ACTION	
Notice of Intent	□ Acidize	Deepen	Production (Start/Resume)) 🔲 Water Shut-Off
Subsequent Report	Alter Casing	Fracture Treat	□ Reclamation	□ Well Integrity
	Casing Repair	New Construction	□ Recomplete	Other Workover Operation
Final Abandonment Notice	Change Plans	Plug and Abandon Plug Back	 Temporarily Abandon Water Disposal 	in children oppenanter
determined that the site is ready for			ting reclamation, have been complet	ted, and the operator has
			OIL CON	10
Please see the attached proc	cedure including wellbore dia	grams and C-102.		S. DIV DIST 2
Please see the attached proc DHC 1450	cedure including wellbore dia	grams and C-102.	DEC	IS. DIV DIST. 3
			DEC	15. DIV DIST. 3
DHC 1450 In accordance with NMOCD operations.	Pit Rule 19.15.17.9 NMAC, E	3P will use a closed-loop sy 5742 verified by the BLM We RODUCTION CO., sent to th	DEC DEC Il Information System le Farmington	15. DIV DIST. 3
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NMOCD RVV

RUSSEL 004M-MV/DK

API # 30-045-31722-00 Location: Unit E - Sec 25 - T28N - R08W San Juan County, New Mexico

Reason/Background for Job

The proposed work is to re-perforate into the Cliffhouse interval of the Mesaverde, and downhole commingle with the existing Mesaverde and Dakota formations.

Basic job procedure

- 1. Pull tubing
- 2. Set 4-1/2" composite plug @ +/- 4420' KB
- 3. Perforate Cliffhouse formation (+/- 4200'-4410'KB gross interval)
- 4. Fracture stimulate Cliffhouse formation
- 5. Drill out/Clean out to PBTD
- 6. Run production tubing and downhole comingle Mesaverde & Dakota
- 7. Land tubing @ +/- 6940' KB
- 8. Return well to production

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Messwerde Completion H459*-452° gross (3spz, 120 deg, 80 holes) rao wir 102,0528 20440 Bradg sind/propinet & 70Q N2 foam 1980*-528° gross (2-3spz, 120 deg, 58 holes) rao wir 112,750# 20440 Bradg sind/propinet & 70Q N2 foam Titubing Details 2-38°, 4.78, J-56 @ 7073' Nipple Data Stop in X-nipple @ 7685° KB 11/27/13								
Messaverde Completion H483-4627 gross (3spt, £0 deg, 60 holes) ras wit 102,750# 20140 Brady snd/propriet & 70Q N2 foam 1906-5287 gross (2-3spt, 120 deg, 58 holes) ras wit 112,750# 20140 Brady snd/propriet & 70Q N2 foam Titl 100 112,750# 20140 Brady snd/propriet & 70Q N2 foam Titl 111 112,750# 20140 Brady snd/propriet & 70Q N2 foam Titl 111 112,750# 20140 Brady snd/propriet & 70Q N2 foam Titl 111 112,750# 20140 Brady snd/propriet & 70Q N2 foam Titl 111 112,750# 20140 Brady snd/propriet & 70Q N2 foam Titl 113 114 115 115 116 117 118 1198 111 111 111 111 111 111 111 111 111 111 111 1111 1111								
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1906-5281 gross (2-3spz, 120 deg, 89 holes) rao w110,7500 20140 Bit adg snd/propriet & 70Q N2 foam T T - <			•		·		•	
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Tubing Details Tith · · · 2-3/8", 4.7%, J-55 @ 7073' OTHER VELLBORE EQUIPMENT · · · Nipple Data Stop in X-nipple @ 7065" KB 11/27/13 V1 · · ·			•	•			•	T12
Tubing Details OTHER VELLBORE EQUIPMENT 2-3/8", 4.7%, J-55 @ 7073' 0 Nipple Data OTHER VELLBORE T Stop in X-nipple @ 7065" KB 11/27/13 V2					-			
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Tubing Details T20 - - 2-38°, 4.70, J.55 @ 7073' OTHER VELLBORE EQUIPMENT - - 1 0.0. I.D. IENGTH DESCRIPTION 1 0.0. I.D. IENGTH DESCRIPTION 1 1 1 - - 1 1 1 - - 1 1 1 - - 1 1 1 - - 1 1 1 - - 1 1 - - - 1 1 - - -	228-3				-			
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Stop in X-nipple @ 7065' KB 11/27/13 W2								-
		-	•		•		•	
2884048 - CARDINE (Mas 100 das 50 kales)				•	-		-	W2
	115.40				-			W3
rac w/ 122.187# 20/40 C-Lite snd/propnet & 65Q N2 foam				•				W5
End of Tubing			•	-	•			W6
Production Casing Data V7 · · -1/4" Hole 7073" V/7 · ·				•	-			W7
-14/"Hole	1510				-			
(marker its @ 4027'-4034' & 6790'-6795') PBTD 7,160' V10								¥10
63 sis Liteorete, tall w/ 188 sis ols G 50/50 poz omt TD 7,162' VII	1100		•		•			₩11

Reservoir / Permanent	4M-MV/DK	Equipment / Temporary	Cur	rent V	Vellbor	e		at the second se
IDC: 10' from Surface (topped off w/ 7 sas via 1" pipe, circ. 3bbis)	TTT				A CAULINA R	-	-	- Saut
Surface Casing Data			VELL		RUSSELL	4M	V.05	Left Behin
-1/4" Hole			COUN		SAN JUA		-	Left Behin
5/8", 32.3#, H-40 ST&C @ 219"			STAT		NEW MED	KICO	Lat:	36.6333
.6 bbls type 1-2 readymix cmt wł 20% Ry ash			FIELD		LARGO		Long:	107.638333
			APIN		300453172	22		
TOC: Surface (circ. 22 bbls omt)				ELEVAT				6,166.0 6,152.0
			RKB-		int	-		14.0
			Locat			SEC. 25	T 28 N	RSW
		a ser a se de la c	Locat		2255 FNL	755 FWL SE		
			The second	and the	NEW DAY	S. C. C.	TY THE	THE REAL PROPERTY.
				ANGLE	AL DAT	THRU	IN/A	
			KOP		100	TYPE	Vertical	AL SAL
			PRO	DUCTI	ON DETA	UL.		
		A REAL PROPERTY AND	-		TUBING		CASING	
			SIZE (Mixed		4 1/2	
termediate Casing Data 3/4"Hole			GRAD		4.70 J-55	-	Mixed	
', 20#, J-55 ST&C @ 2894'			LD.		0.000		4.000	
65 sks ols G, tail w/ 65 sks ols G 50/50 poz omt			DRIF	T	1.901		0	and the second second second
				APSE	0		0	
TOC: 2900' (CBL 5/25/05)			BURS		0		0	
	8		YIELD		0 EUE SRD		0 8BLT+C	
			DEPT		7.073		7,162.00	
		and the second second	CAP		0.00000		0.0155	
		in the solution	# JOW		224		161	
			PRO			NG ASSEN		
				0.D.				DESCRIPTION
			TI	IN	IN 2.375	FT 10	FT	7 1/16" X 2 3/8" HANGE
			T2	888	1.995			2 3/8" 4.7# J-55 EUE TI
			T3	***	1.875		7,064.8	2 3/8" BAKER X-NIPP
a second design of the second s		CONTRACTOR OF A	T4	888	1.995	4.0		2 3/8" X 4.0 TBG. PUP
Infhouse: 4200'-4410' gross			T5		1780	10		23/8" BAKER F-NIPP 23/8" X 20 HALF MU
459'-4829' gross (3spz, 120 deg, 60 holes)			T6 T7	***	1330	2.0	7,070.8	2 3/8 X 2.0 HALF MU
ac w/ 103,052# 20/40 Brady snd/propnet & 70Q N2 foam			T8					
306'-528l' gross (2-3spz, 120 deg, 58 holes)			T9	•	•			
ao w/ 112,750# 20/40 Brady snd/propnet & 70Q N2 foam			T10			•	•	
			T11 712		:		:	
			T13					
		242	T14			•	-	
			T15					
			T16 T17			:		2
			T18					
			T19		•	•	•	
and an		Tubles Dat-its	T20					
		Tubing Details 2-3/8", 4,7%, J-55 @ 6940' KB	ОТН	ER VE	LIBORE	EQUIPME	NT	and the second s
			#	0.D.	LD.	LENGTH	DEPTH	DESCRIPTION
		Nipple Data	14	IN	IN	FT	FT	and the second second
		Plunger stop in F-nipple	¥1 ¥2					The second second
		F-nipple @ 6937" KB	W3	-				
940'-7121' gross (4spz, 120 deg, 60 holes)	Ø		1/4					
40'-7121' gross (4spz, 120 deg, 60 holes)		F-nipple @ 6937" KB	₩4 ₩5					
940°-7121° gross (4spz, 120 deg, 60 holes) ac wł 122,187# 20/40 C-Lite sndłpropnet & 65Q N2 foam		F-nipple @ 6937'KB End of Tubing	W4 W5 W6			-		
940-7/221 gross (45pz, 120 deg, 60 holes) ao wi 122,187# 20140 C-Like sndipropnet & 65Q N2 foam roduction Casing Data 148* Hole		F-nipple @ 6937" KB End of Tubing 6940"	V4 V5 V6 V7 V8			-		
Nakota Completion 940-7121 gross (4sp2, 120 deg, 60 holes) ao w1 122,187# 2040 C-Lite sndipropnet & 65Q N2 foam roduction Casing Data 147 Hole 142", 1158, P-110 LT&C @ 7162" naker Js @ 4027'-4034' & 6730'-6735')	PBTD 7,160'	F-nipple @ 6937'KB End of Tubing	₩4 ₩5 ₩6 ₩7					

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, 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 & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised July 16, 2010 Submit one copy to appropriate District Office

AMENDED REPORT

WEL	L	LC	DC.	AT	IC	N	A	ND	A	C	R	E	A	GE	D	E	DI	C	A	TI	0	N	P	LA	1	Г
		-			~ ~					~ ~	-		-		-		~ ~	-			-		-			×.,

	API Number -045-3172			² Pool Code 72319									
⁴ Property Code ⁵ Property Name ⁶ Well Ni 000997 Russell 4N													
'OGRID No. "Operator Name "Elevation 000778 BP America Production Company 6152													
1.1.1					¹⁰ Surface I	Location		12.0	10.00				
UL or lot no. E	Section 25	Township 28N	Range 08W	Lot Idn	Feet from the 2255								
112 HOLDS			¹¹ Bott	om Hol	e Location If	Different Fron	n Surface	194 BAR 10	x				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County				
¹² Dedicated Acres 320	s ¹³ Joint o	r Infill ¹⁴ C	onsolidation Co	de ¹⁵ Ord		DHC 1450							

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.

16		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a valuntary pooling agreement or a compulsory pooling order heretofore entered by the division.
755'		Joya Obrin Signatury Date <u>Toya Colvin</u> Printed Name <u>Toya Colvin@bp.com</u> E-mail Address
		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.
		Signature and Seal of Professional Surveyor: Previously Filed Certificate Number