

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

Ken McQueen
Cabinet Secretary

Matthias Sayer
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 3160-4 or 3160-5 form.

Operator Signature Date: 8/25/17

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-32362-00-00	ATLANTIC	001M	BP AMERICA PRODUCTION COMPANY	G	A	San Juan	F	F	34	31	N	10	W

Application Type:

- ☐ P&A ☐ Drilling/Casing Change ☐ Location Change
- ☒ **Recomplete/DHC** (For hydraulic fracturing operations review EPA Underground injection control Guidance #84; Submit Gas Capture Plan form prior to spudding or initiating recompletion operations)
- ☐ Other: Final Casing Sundry

Conditions of Approval:

If perforations are above or below existing perms please file a C-104 and Completion Report for review and approval before returning the well to production.

NMOCD Approved by Signature

9/1/17
Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Serial No. NMSF080917
2. Name of Operator BP AMERICA PRODUCTION COMPANY	6. If Indian, Allottee or Tribe Name
Contact: TOYA COLVIN Email: Toya.Colvin@bp.com	7. If Unit or CA/Agreement, Name and/or No.
3a. Address 501 WESTLAKE PARK BLVD. THREE ELDRIGE PLACE HOUSTON, TX 77079	8. Well Name and No. ATLANTIC 1M
3b. Phone No. (include area code) Ph: 281.892.5369	9. API Well No. 30-045-32362-00-C1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 34 T31N R10W SENW 1770FNL 1780FWL 36.857462 N Lat, 107.872835 W Lon	10. Field and Pool or Exploratory Area BASIN DAKOTA BLANCO MESAVERDE
	11. County or Parish, State SAN JUAN COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Workover Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed 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 recompleat 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

BP requests to re-perforate the existing Blanco-Mesaverde formation in the subject well. Please see the attached procedure including wellbore diagrams and C-102 plats.

In accordance with NMOCD Pit Rule 19.15.17.9 NMAC, BP will use a closed-loop system during operations.

DHC 1611-0

OIL CONS. DIV DIST. 3
AUG 25 2017

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #384288 verified by the BLM Well Information System For BP AMERICA PRODUCTION COMPANY, sent to the Farmington Committed to AFMSS for processing by ABDELGADIR ELMADANI on 08/22/2017 (17AE0312SE)	
Name (Printed/Typed) TOYA COLVIN	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 08/10/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ABDELGADIR ELMADANI	Title PETROLEUM ENGINEER	Date 08/22/2017
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Farmington

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

NMOCD

Atlantic 001M – MV/DK
API # 30-045-32362

Reason/Background for Job

Atlantic 001M is currently configured as a MV – DK producer completed in 2004

The proposed work is to isolate the current perforations, and add MV pay and frac

After the frac, isolation plugs will be removed and production comingled from MV & DK formations

Basic job procedure

1. Pull completion
2. Set isolation plug @ $\pm 5100'$
3. MIT casing
4. Add MV perforations $\pm 4830 - 5080'$ (gross)* and frac in multiple stages
5. Drill out isolation plugs and c/o well
6. Run completion and return well to production

* Actual perforated intervals will be reported in the post operations report

Current WBD



Atlantic 001M
MV/DK
API # 30-045-32362
F Sec 34 - T31N - R10W
San Juan, NM

GL 6251'
14' KB

13 1/2" hole
9 5/8" 32.3# H40 ST&C @ 247'
185 sx G
TOC @ surf (circ)

Directional Details
Kick-off at 252'
2 deg build to 1105
18 deg hole angle
Begin drop at 3200'
Vertical at 4059

8 3/4" hole
7" 20# J55 @ 3469'
stg 1: 25 sx G lead; 160 sx G/POZ tail
stg 2: 13 sx scav; 270 sx lead; 60 sx tail
TOC @ surf (circ)

DV Tool @ 2715'
Ext Csg Packer @ 2727'

<u>Tbg String</u>	<u>Length</u>
MS 2 3/8", 4.7# J55	3
Pup Jt 2 3/8" 4.7#, J55	2
F Nipple 2 3/8" / 1.78"	1
Pup Jt 2 3/8" 4.7#, J55	4
X Nipple 2 3/8" / 1 1/4"	1
Tbg 2 3/8" 4.7# J55, 23'	7533

X Nipple @ 7545'
F Nipple @ 7551'
EOT @ 7557'

MV Perfs
5163 - 5285', 4 jspf
5307 - 5448', 2 jspf
5463 - 5503', 4 jspf

DK Perfs
7463' - 7539', 3 jspf
frac w/ 63k # 20/40 CLite

6 1/4" hole
4 1/2" 11.6# J55 LT&C @ 7685'
148 sx LCrete lead; 212 sx G/Poz tail

PBTD 7683'
TD 7685' MD / 7536' TVD

Proposed WBD



Atlantic 001 M
MV/DK
API # 30-045-32362
Sec 34 - T31N - R10W
San Juan, NM

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14' KB

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stg 2 - 13 sx scav; 270 sx lead; 60 sx G/POZ tail
TOC @ surf (circ)

DV Tool @ 2715'
Ext Csg Packer @ 2727'

Tbg String

MS 2 3/4", 4.7# J55, 2' ±
F Nipple 2 3/4" / 1.78"
Pup Jt 2 3/4" 4.7#, J55, 4' ±
X Nipple 2 3/4" / 1 1/4"
Tbg 2 3/4" 4.7# J55

X Nipple @ 7545' ±
F Nipple @ 7551' ±
EOT @ 7557' ±

MV Perfs

4832 - 4930, 4 spf (gross)
4937 - 5080', 4 spf (gross)

5163 - 5285', 4 jspf
5307 - 5448', 2 jspf
5463 - 5503', 4 jspf

DK Perfs

7463' - 7539', 3 jspf
frac w/ 63k # 20/40 CLite

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PBTD 7683'
TD 7685' MD / 7536' TVD

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-32362		² Pool Code 71599		³ Pool Name Basin Dakota	
⁴ Property Code 000276		⁵ Property Name Atlantic			⁶ Well Number 1M
⁷ OGRID No. 000778		⁸ Operator Name BP America Production Company			⁹ Elevation 6251

¹⁰ Surface Location

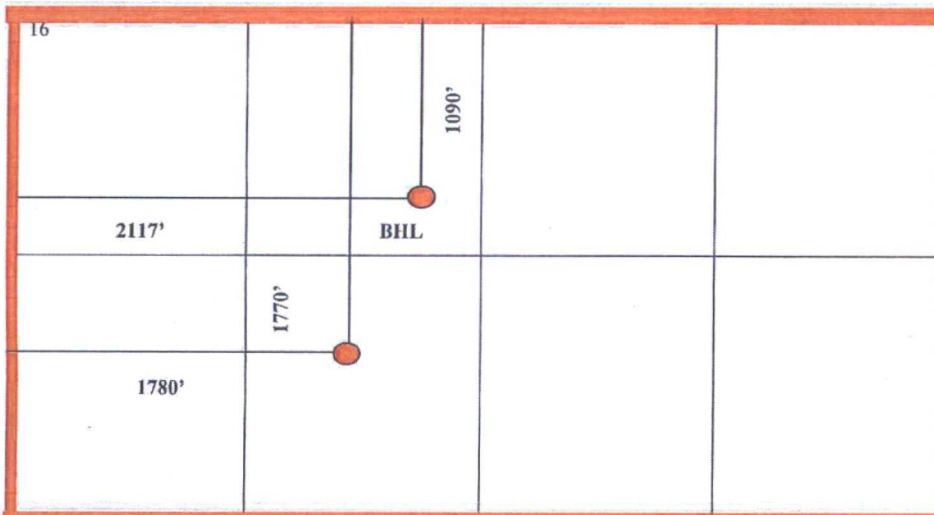
UL or lot no. F	Section 34	Township 31N	Range 10W	Lot Idn	Feet from the 1770	North/South line North	Feet from the 1780	East/West line West	County San Juan
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. C	Section 34	Township 31N	Range 10W	Lot Idn	Feet from the 1090	North/South line North	Feet from the 2117	East/West line West	County San Juan
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¹² Dedicated Acres 318.27	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-11363
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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>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 leased 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 voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> Toya Colvin 8/10/17 Signature Date Toya Colvin Printed Name Toya.Colvin@bp.com E-mail Address	
¹⁸ SURVEYOR CERTIFICATION <i>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.</i> Date of Survey Signature and Seal of Professional Surveyor: Previously Filed Certificate Number						

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-32362	² Pool Code 72319	³ Pool Name Blanco-Mesaverde
⁴ Property Code 000276	⁵ Property Name Atlantic	⁶ Well Number 1M
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company	⁹ Elevation 6251

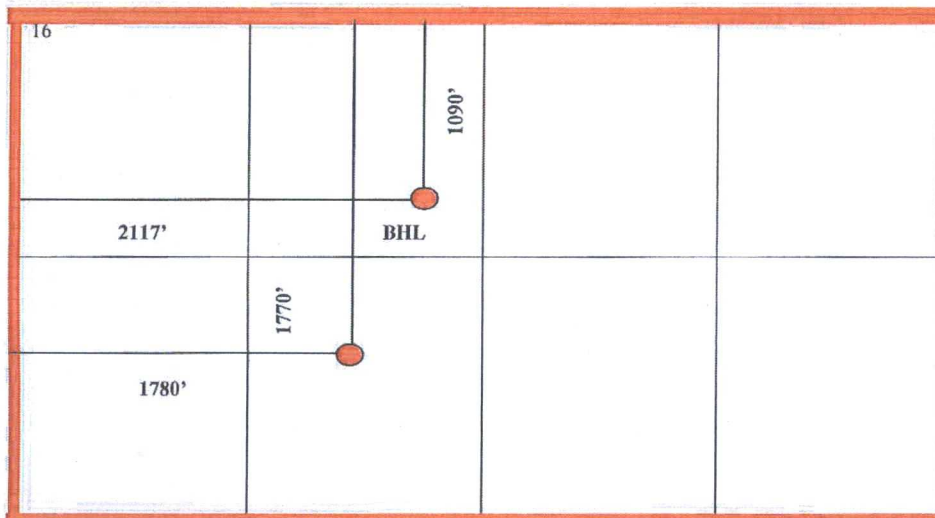
¹⁰ Surface Location

UL or lot no. F	Section 34	Township 31N	Range 10W	Lot Idn	Feet from the 1770	North/South line North	Feet from the 1780	East/West line West	County San Juan
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¹⁶					¹⁷ OPERATOR CERTIFICATION <i>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 voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> Signature <u>Tova Colvin</u> Date <u>8/10/17</u> Tova Colvin Printed Name Tova.Colvin@bp.com E-mail Address
	¹⁸ SURVEYOR CERTIFICATION <i>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.</i> Date of Survey Signature and Seal of Professional Surveyor: Previously Filed Certificate Number				

BLM CONDITION OF APPROVAL

CASING REPAIR, WORKOVER AND RECOMPLETION OPERATIONS:

1. If casing repair operations are needed, obtain prior approval from this office before commencing repairs. If a CBL or other logs are run, provide this office with a copy.
2. After any casing repair operations, test cement squeeze to a minimum of 500# for 30 minutes with no more than 10 % pressure fall off in the 30 minute test period. Provide test chart with your subsequent report of operations
3. A properly functioning BOP and related equipment must be installed prior to commencing workover, casing repair, and/or recompletion operations.
4. **Contact this office at (505) 564-7750 prior to conducting any cementing operations**

SPECIAL STIPULATIONS:

1. **Pits will be fenced during work-over operation.**
2. **All disturbance will be kept on existing pad.**
3. **All pits will be pulled and closed immediately upon completion of the recompletion and work-over activities.**
4. **Pits will be lined with an impervious material at least 12 mils thick.**