

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

Dayid 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:

Well information:

rmWellFilterSub													
API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-23957-00-00	MUDGE COM B	001	BP AMERICA PRODUCTION COMPANY	G	A	San Juan	F	A	11	31	N	11	W

Application Type:

- ☐ P&A ☐ Drilling/Casing Change ☐ Location Change
☐ Recomplete/DHC (For hydraulic fracturing operations review EPA Underground injection control Guidance #84)
☒ Other:

Conditions of Approval:

If perforations extend outside of the existing interval of 6966-7168 a new completion report and C-104 will be required prior to production.

NMOCD Approved by Signature

8/31/15
Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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.

5. Lease Serial No.
NMSF078040

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

7. If Unit or CA/Agreement, Name and/or No.
SRM1513

8. Well Name and No.
MUDGE COM B 1

9. API Well No.
30-045-23957-00-S1

10. Field and Pool, or Exploratory
BASIN DAKOTA

11. County or Parish, and State
SAN JUAN COUNTY, NM

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
BP AMERICA PRODUCTION CO. Contact: TOYA COLVIN
E-Mail: Toya.Colvin@bp.com

3a. Address
200 ENERGY CT.
FARMINGTON, NM 87401

3b. Phone No. (include area code)
Ph: 281.366.7148

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 11 T31N R11W NENE 1090FNL 1110FEL
36.917084 N Lat, 107.953873 W Lon

12. CHECK 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"/> Fracture Treat	<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 recomplete 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall 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 America Production Company respectfully requests to re-perforate and hydraulically fracture the subject well in the Dakota formation.

Please see the attached procedure including wellbore diagrams and C-102 plat.

OIL CONS. DIV DIST. 3

AUG 12 2015

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #311891 verified by the BLM Well Information System
For BP AMERICA PRODUCTION CO., sent to the Farmington
Committed to AFMSS for processing by JACK SAVAGE on 08/07/2015 (15JWS0001SE)**

Name (Printed/Typed) TOYA COLVIN

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 08/06/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By JACK SAVAGE

Title PETROLEUM ENGINEER

Date 08/07/2015

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.

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

NMOCDA

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 30-045-23957	² Pool Code 71599	³ Pool Name Basin Dakota
⁴ Property Code 000908	⁵ Property Name Mudge Com B	⁶ Well Number 1
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company	⁹ Elevation 5878

¹⁰ Surface Location									
UL or lot no. A	Section 11	Township 31N	Range 11W	Lot Idn	Feet from the 1090	North/South line North	Feet from the 1110	East/West line East	County San Juan

¹¹ Bottom Hole Location If Different From Surface									
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	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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 OIL CONS. DIV DIST. 3 AUG 12 2015		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 8/10/15 Date
		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

Mudge Com B 001

API # 30-045-23957-00

Location: A SEC. 11, T31N, R11W

San Juan County, New Mexico

Reason/Background for Job

The Mudge Com B 001 is a Dakota well that was drilled and completed in 1980. The original stimulation on the Dakota has had limited success compared to offset wells.

It is proposed to perforate and hydraulically fracture the Dakota formation. Expected production rates are 300 MCFD and 5 BWPD.

Basic Job Procedure

1. Pull tubing
2. Clean out to PBTD of 7217'
3. Perforate the Dakota from 6966' – 7205'
4. Fracture stimulate the Dakota
5. Unset packer(s) and pull tubing
6. Drill out composite plug(s)
7. Clean out to PBTD
8. Run tubing and production BHA
9. Return well to production

Current WBD
Mudge Com B 001 - DK

Sec 11, T31N, R11W

API # 30-045-23957

GL: 5878'

Formation Tops

Ojo Alamo	1750'
PC	2820'
Lewis	2970'
Cliffhouse	4695'
Menefee	4790'
PTLO	5340'
Mancos	5700'
Gallup	6600'
Greenhorn	7252'
Dakota	7360'

Dakota Perforations

6966' - 6998'

7050' - 7072'

7110' - 7120'

7124' - 7132'

7164' - 7168'

Acidized w/ 3000 gal 15% HCl

Frac'd w/ 17k gal XL gel, 50k gal wtr,
2k# GWX-7 gel, 40k# 20/40 sd, 108k#
10/20 sd

TOC @ surface (circ.)

9-5/8" 36# @ 223'

13-3/4" hole size
175 sx B

TOL @ 3252'

7" 23# @ 3500'

8-3/4" hole size
780 sx POZ/B

2-3/8" 4.7# J-55 @ 6950'

4-1/2" 10.5# & 11.6# @ 7258'

6-1/4" hole size
500 sx POZ/B

PBTD: 7217'

TD: 7258'

Proposed WBD
Mudge Com B 001 - DK

Sec 11, T31N, R11W

API # 30-045-23957

GL: 5878'

Formation Tops

Ojo Alamo	1750'
PC	2820'
Lewis	2970'
Cliffhouse	4695'
Menefee	4790'
PTLO	5340'
Mancos	5700'
Callup	6600'
Greenhorn	7252'
Dakota	7360'

Existing Dakota Perforations

6966' - 6998'
7050' - 7072'
7110' - 7120'
7124' - 7132'
7164' - 7168'
Acidized w/ 3000 gal 15% HCl
Frac'd w/ 17k gal XL gel, 50k gal wtr,
2k# GWX-7 gel, 40k# 20/40 sd, 108k#
10/20 sd

Proposed Dakota Perforations

6966' - 7000'
7049' - 7051'
7059' - 7066'
7070' - 7073'
Frac'd in stage 2, 2015

7110' - 7139'
7190' - 7205'
Frac'd in stage 1, 2015

TOC @ surface (circ.)

9-5/8" 36# @ 223'
13-3/4" hole size
175 sx B

TOL @ 3252'

7" 23# @ 3500'
8-3/4" hole size
780 sx POZ/B

EOT @ 7120'
F-nipple @ 7115'

4-1/2" 10.5# & 11.6# @ 7258'
6-1/4" hole size
500 sx POZ/B

PBTD: 7217'
TD: 7258'