

Submit 1 Copy To Appropriate District Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

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

WELL API NO.  
30-045-32979

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Mudge LS

8. Well Number

7M

9. OGRID Number

000778

10. Pool name or Wildcat

Basin Dakota, Blanco-Mesaverde

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

3. Address of Operator

501 Westlake Park Blvd., Three Eldridge Place 12.181A  
Houston, TX 77079

4. Well Location

Unit Letter\_E\_: 1880 feet from the North line and 1065 feet from the West line  
Section 23 Township 31N Range 11W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
5787'

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☒  
OTHER: Plug Back Dakota ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐  
OTHER: ☐

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

BP America Production Company respectfully requests plug back the Basin Dakota formation in the subject well, then return the well to production producing solely from the Blanco-Mesaverde.

Please see attached Plug Back procedure including wellbore schematics.

# Set the CIBP at 6842 or lower

# Pressure test casing between MV perfs and plug prior to returning to production

Spud Date:

08/21/2005

Rig Release Date:

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

SIGNATURE

*Toya Colvin*

TITLE Regulatory Analyst

DATE 04/01/2015

Type or print name Toya Colvin

E-mail address Toya.Colvin@bp.com

PHONE: 281-366-7148

For State Use Only

APPROVED BY:

*Red Bull*

TITLE

DISTRICT #3

DATE

4-22-15

Conditions of Approval (if any):

AV

OIL CONS. DIV DIST. 3

APR 17 2015

**MUDGE LS 007M - MV/DK**

**MV/DK**

**30-045-32979-00**

**Unit E - Sec 23 - T31N - R11W**

**San Juan**

**Reason/Background for Job**

The proposed work is to plug & abandon the Dakota formation and produce the well efficiently from the Mesa Verde formation.

Currently there is a fish in hole across Dakota. Several attempts were made in 2012 to retrieve the fish, but they were all unsuccessful.

**Basic job procedure**

1. Set CIBP (or CRBP) @  $\pm 6842$
2. Set a 150' cement plug on top of bridge plug
3. Return well to production

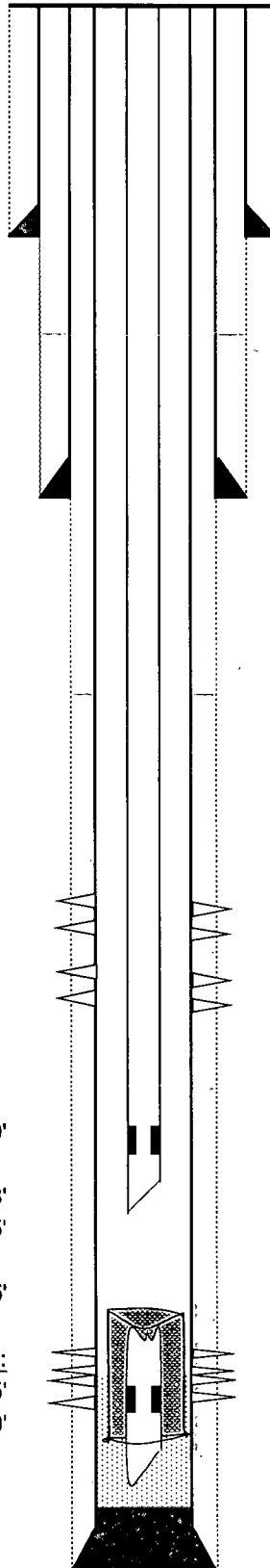
A CBL was run in Sept 2005

**Current  
WBD**



**MUDGE LS 007M - MV/DK**  
MV/DK  
30-045-32979-00  
Unit E - Sec 23 - T31N - R11W  
San Juan

GL 5787'  
KB 5815'



**Surface Casing**

13 1/2" hole  
9 5/8" 32.3# H40 ST&C @ 233'  
203 sxs  
top off to surface

**Intermediate Casing**

8 3/4" hole  
7" 20# J55 ST&C @ 2795'  
320 sxs G

**Tubing String**

**Length (ft)**

MS 2 3/8", 4.7#, J55	2
X Nipple 2 3/8" / 1 1/2"	1
Tbg 2 3/8", 4.7#, J55, 210 jts	6787

**MV Perfs**

**5346 - 5480'**  
frac w/ 20K# 40/70 Badger &  
156K #s 16/30 Brady  
**5640 - 5747'**  
frac w/ 181K # 16/30 Brady  
70% Q N2

**DK Perfs**

**6892 - 7098' (gross)**  
frac w/ 127K # 20/40 C-lite &  
65% Q N2

**Production Casing**

6 1/4" hole  
4 1/2" 11.60# P110 @ 7180'  
360 sxs G  
TOC @ 3996' (CBL)

**X Nipple @ 6799'**

**EOT @ 6803'**  
**Fill @ 6805'**

**TOF @ 6865'**

**Fish:**

3 3/4" OD Washpipe, 5 jts - 175'; top @ 6865'  
2 3/8" tbg, 6 jts - 221'; top @ 6919'

**PBTD 7162'**  
**TD 7182'**

## Proposed WBD



MUDGE LS 007M - MV/DK

MV/DK

30-045-32979-00

Unit E - Sec 23 - T31N - R11W

San Juan

GL 5787'

KB 5815'

### Surface Casing

13 1/2" hole

9 5/8" 32.3# H40 ST&C @ 233'

203 sxs

top off to surface

### Intermediate Casing

8 3/4" hole

7" 20# J55 ST&C @ 2795'

320 sxs G

### Tubing String

MS 2 3/8", 4.7#, J55, 4' ±

X Nipple 2 3/8" / 1 1/8"

Tbg 2 3/8", 4.7#, J55

add pup jts for spaceout

### MV Perfs

5346 - 5480'

frac w/ 20K# 40/70 Badger &

156K #s 16/30 Brady

5640 - 5747'

frac w/ 181K # 16/30 Brady

70% Q N2

TOC @ 6660' ±

CIBP @ 6750' ±

Fill @ 6805'

TOF @ 6865'

### Fish:

3 3/4" OD Washpipe, 5 jts - 175'; top @ 6865'

2 3/8" tbg, 6 jts - 221'; top @ 6919'

### DK Perfs

6892 - 7098' (gross)

frac w/ 127K # 20/40 C-lite &

65% Q N2

### Production Casing

6 1/4" hole

4 1/2" 11.60# P110 @ 7180'

360 sxs G

TOC @ 3996' (CBL)

PBTD 7162'

TD 7182'