

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.

30-045-10586

5. Indicate Type of Lease

STATE FEE

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name:

Mudge B

(Also filed on BLM Form 3160-5 Federal Lease SF - 078096)

8. Well No.

13

9. 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

Attn: **Mary Corley**

3. Address of Operator

P.O. Box 3092 Houston, TX 77253

4. Well Location

Unit Letter **6** **1500** feet from the **North** line and **1775** feet from the **East** line

Section **20**

Township **31N**

Range **11W**

NMPM

San Juan

County

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

6147' GR

11. 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 COMPLETION ☐

OTHER: **Downhole Commingle** ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

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 recompletion.

BP America Production Company request permission to convert the subject well from a dual string completion to a single string completion and commingle production downhole from the Basin Dakota & Blanco Mesaverde Pools as per the attached procedure. The Basin Dakota (71599) & 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 the subtraction method using the projected future decline for production from the Mesaverde since the Dakota has not produced since 1994. That production shall serve as a base for production subtracted from the total production or the commingled Mesaverde.

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

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 **04/19/2001**

Type or print name

Mary Corley

Telephone No. **281-366-4491**

(This space for State Use)

APPROVED BY

TITLE

DATE

Conditions of approval, if any:

APR 26 2002

Mudge B 13
Downhole commingle Dakota and Mesa Verde.

PROCEDURE:

1. Check anchors. Check and record tubing, casing, and Bradenhead pressures. Tag and flag valves and bleed flow line pressure to zero. MIRU workover rig.
2. Blow down wellhead. *If necessary, kill with 2% KCl water.*
3. ND wellhead. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 500 psi.
4. Tally OH with short string of tubing (1-1/4", 2.4#, J-55 @ 5108') and visually inspect for potential hole and scale.
5. Tally OH with long string of tubing (2-1/16", 2.6#, J-55 @ 7248') and visually inspect for potential hole and scale.

Contingency: If tubing is in poor condition, replace as necessary.

Contingency: If scale is detected on the tubing, consult engineer about acidizing the well.

6. Pull or retrieve packer @ 5148'.
7. Cleanout fill to PBTD at 7320'.
8. Rabbit tubing and RIH with 2-1/16" production tubing with a muleshoe, F-nipple, and plug on bottom. Fill tubing with 2% KCl while RIH and periodically pressure test to 500 psi. Replace any joints that fail pressure test.
9. Land 2-1/16" production tubing @ +/- 7248'.
10. Swab water from the tubing using the sandline. RU slickline and run gauge ring for 2-1/16" tubing. Pull plug, then RD slickline unit. Clean out to PBTD. Flow to cleanup tank.
11. ND BOPs. NU WH. Notify pumper that well is ready to be returned to production. Swab in well with sandline and flow well for several hours on a choke to ensure well is unloaded and ready to produce before turning over to pumper to return to production.

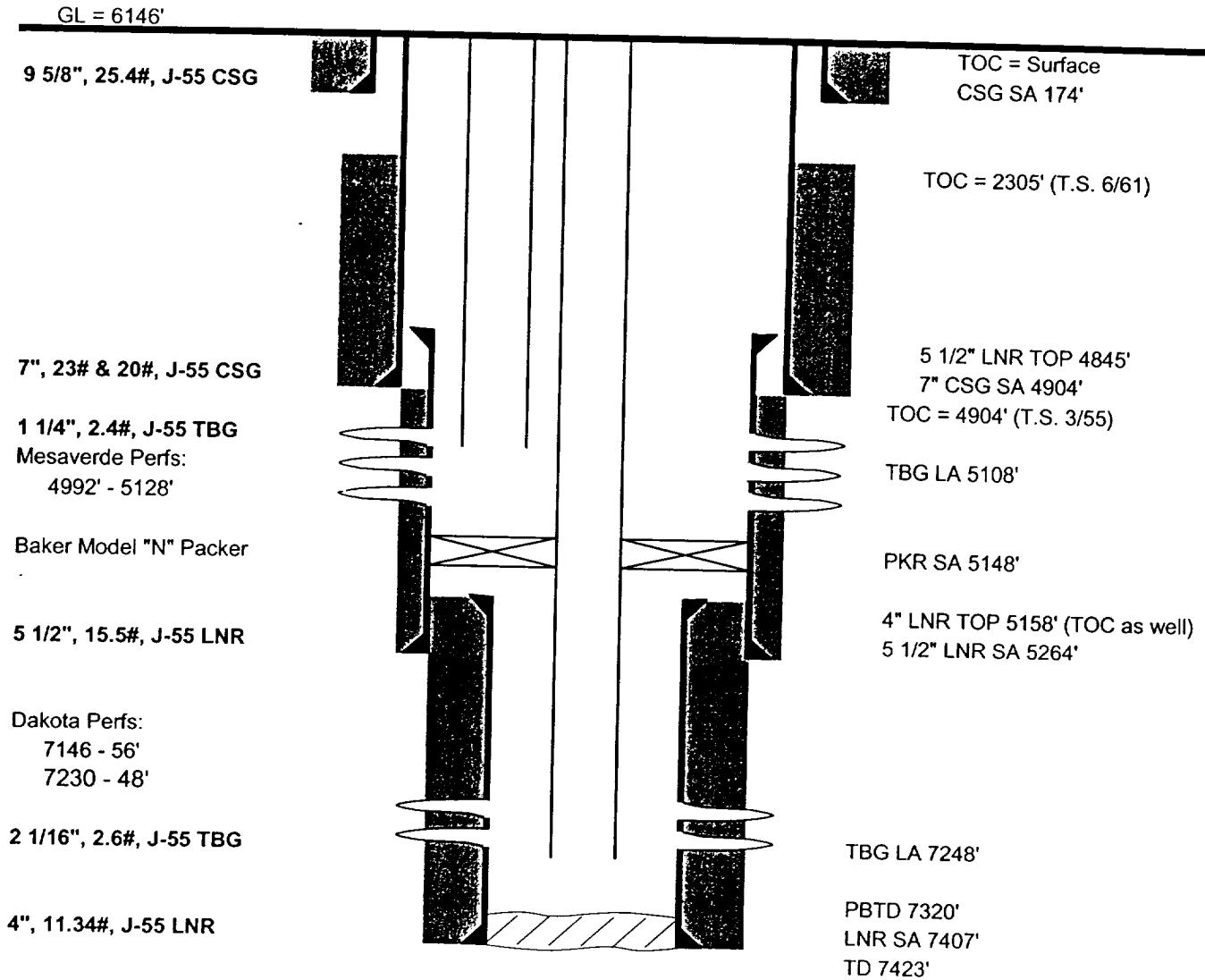
Mudge B 13

API No: 3004510586

Spud Date: 02/26/1955

Re-Completion Date: 06/06/1961

Location: T31N, R11W, Sec. 20 SW/4 NE/4



1 Old reports say PBTD = 7380' but in 1992 they CO to 7320'.

Updated: MNP 2/27/2002

Mudge B 13

Future Production Decline Estimate Dakota

(Monthly Factor .304%)

Month	Gas Volume
Jan-2001	83
Feb-2001	84
Mar-2001	78
Apr-2001	76
May-2001	84
Jun-2001	66
Jul-2001	82
Aug-2001	90
Sep-2001	87
Oct-2001	82
Nov-2001	81
Dec-2001	72
Jan-2002	73
Feb-2002	69
Mar-2002	66
Apr-2002	66
May-2002	66
Jun-2002	66
Jul-2002	66
Aug-2002	66
Sep-2002	66
Oct-2002	66
Nov-2002	66
Dec-2002	66
Jan-2003	66
Feb-2003	66
Mar-2003	66
Apr-2003	66
May-2003	66
Jun-2003	66
Jul-2003	66
Aug-2003	66
Sep-2003	66
Oct-2003	66
Nov-2003	66
Dec-2003	64

$\ln(Q_f/Q_i) = -dt$
 $Q_i = 82 \text{ MCFD (07/2001)}$
 $Q_f = 72 \text{ MCFD (12/2001)}$
 $t = 4 \text{ months (.41666 yrs)}$
 $d = 0.32 \text{ annual decline}$
 $0.027 \text{ monthly decline (0.32/12)}$

Corrected Volumes
 $72/82 = .87805$
 $.88 * .41666 = .36885$
 0.030486667

Month	Gas Volume
Jan-2004	62
Feb-2004	60
Mar-2004	59
Apr-2004	57
May-2004	56
Jun-2004	54
Jul-2004	53
Aug-2004	51
Sep-2004	50
Oct-2004	49
Nov-2004	47
Dec-2004	46
Jan-2005	45
Feb-2005	44
Mar-2005	42
Apr-2005	41
May-2005	40
Jun-2005	39
Jul-2005	38
Aug-2005	37
Sep-2005	36
Oct-2005	35
Nov-2005	34
Dec-2005	33
Jan-2006	32
Feb-2006	32
Mar-2006	31
Apr-2006	30
May-2006	29
Jun-2006	28
Jul-2006	28
Aug-2006	27
Sep-2006	26
Oct-2006	25
Nov-2006	25
Dec-2006	24

Month	Gas Volume
Jan-2007	24
Feb-2007	24
Mar-2007	24
Apr-2007	24
May-2007	24
Jun-2007	24
Jul-2007	23
Aug-2007	23
Sep-2007	23
Oct-2007	23
Nov-2007	23
Dec-2007	23
Jan-2008	23
Feb-2008	23
Mar-2008	23
Apr-2008	23
May-2008	23
Jun-2008	23
Jul-2008	23
Aug-2008	22
Sep-2008	22
Oct-2008	22
Nov-2008	22
Dec-2008	22
Jan-2009	22
Feb-2009	22
Mar-2009	22
Apr-2009	22
May-2009	22
Jun-2009	22
Jul-2009	22
Aug-2009	22
Sep-2009	21
Oct-2009	21
Nov-2009	21
Dec-2009	21

Mudge B 13
Future Production Decline Estimate Dakota
(Monthly Factor .304%)

Month	Gas Volume
Jan-2010	21
Feb-2010	21
Mar-2010	21
Apr-2010	21
May-2010	21
Jun-2010	21
Jul-2010	21
Aug-2010	21
Sep-2010	21
Oct-2010	21
Nov-2010	20
Dec-2010	20
Jan-2011	20
Feb-2011	20
Mar-2011	20
Apr-2011	20
May-2011	20
Jun-2011	20
Jul-2011	20
Aug-2011	20
Sep-2011	20
Oct-2011	20
Nov-2011	20
Dec-2011	20
Jan-2012	19
Feb-2012	19
Mar-2012	19
Apr-2012	19
May-2012	19
Jun-2012	19
Jul-2012	19
Aug-2012	19
Sep-2012	19
Oct-2012	19
Nov-2012	19
Dec-2012	19

Month	Gas Volume
Jan-2013	19
Feb-2013	19
Mar-2013	19
Apr-2013	19
May-2013	18
Jun-2013	18
Jul-2013	18
Aug-2013	18
Sep-2013	18
Oct-2013	18
Nov-2013	18
Dec-2013	18
Jan-2014	18
Feb-2014	18
Mar-2014	18
Apr-2014	18
May-2014	18
Jun-2014	18
Jul-2014	18
Aug-2014	18
Sep-2014	18
Oct-2014	18
Nov-2014	17
Dec-2014	17
Jan-2015	17
Feb-2015	17
Mar-2015	17
Apr-2015	17
May-2015	17
Jun-2015	17
Jul-2015	17
Aug-2015	17
Sep-2015	17
Oct-2015	17
Nov-2015	17
Dec-2015	17

Month	Gas Volume
Jan-2016	17
Feb-2016	17
Mar-2016	17
Apr-2016	17
May-2016	17
Jun-2016	17
Jul-2016	16
Aug-2016	16
Sep-2016	16
Oct-2016	16
Nov-2016	16
Dec-2016	16
Jan-2017	16
Feb-2017	16
Mar-2017	16
Apr-2017	16
May-2017	16
Jun-2017	16
Jul-2017	16
Aug-2017	16
Sep-2017	16
Oct-2017	16
Nov-2017	16
Dec-2017	16
Jan-2018	16
Feb-2018	16
Mar-2018	16
Apr-2018	15
May-2018	15
Jun-2018	15
Jul-2018	15
Aug-2018	15
Sep-2018	15
Oct-2018	15
Nov-2018	15
Dec-2018	15

Month	Gas Volume
Jan-2019	15
Feb-2019	15
Mar-2019	15
Apr-2019	15
May-2019	15
Jun-2019	15
Jul-2019	15
Aug-2019	15
Sep-2019	14
Oct-2019	14
Nov-2019	14
Dec-2019	14
Jan-2020	14
Feb-2020	14
Mar-2020	14
Apr-2020	14
May-2020	14
Jun-2020	14
Jul-2020	14
Aug-2020	14
Sep-2020	14
Oct-2020	14
Nov-2020	13
Dec-2020	13
Jan-2021	13
Feb-2021	13
Mar-2021	13
Apr-2021	13
May-2021	13
Jun-2021	13
Jul-2021	13
Aug-2021	13
Sep-2021	13
Oct-2021	13
Nov-2021	13
Dec-2021	13