

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

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.
NMSF - 078655

6. If Indian, Allottee or tribe Name

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

8. Well Name and No.
Decker LS 1M

9. API Well No.
30-045-32074

10. Field and Pool, or Exploratory Area
Basin Dakota & Blanco MV

11. County or Parish, State
SAN JUAN, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

BP AMERICA PRODUCTION COMPANY

3a. Address

PO BOX 3092 HOUSTON, TX 77253

3b. Phone No. (include area code)

281-366-4081

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

2490' FSL & 1655' FWL; SEC 17 T32N R10W NESW

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

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Water Disposal

☐ Water shut-Off

☐ Well Integrity

☒ Other **Change Casing
Sizes**

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 shall 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 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.

On 12/17/2003 BP submitted application for permit to drill. APD was approved 08/19/04 & extension approved to Aug. 19, 2006.

It is now our intent to change the casing sizes. The design changes are to better manage the lost circulation issues while drilling through the Fruitland Coal. Instead of setting the Intermediate csg into the Lewis we are planning to topset the coal with an upsized intermediate string & thus include the possibility of running a contingency drilling liner in case we encounter wtr influx from the FC or PC while drilling to the DK. In that case contingency will apply. Should we not encounter any fluid influx the design alternative #1 as shown on Revised Form 46 will apply. Please see attached Revised Form 46 & cement program showing the contingency, which is not expected to be used.

14. I hereby certify that the foregoing is true and correct
Name (Printed/typed)

Cherry Hlava

Title **Regulatory Analyst**

Signature

Cherry Hlava

Date **07/17/2006**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Jim Hlava

Title

Petr. Eng

Date

7/20/06

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

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.

NMOCD *80*

BP AMERICA PRODUCTION COMPANY

DRILLING AND COMPLETION PROGRAM

11/18/2003 Revised 07/11/2006

Lease:	Decker LS	Well Name & No.	Decker LS #1M	Field:	Blanco Mesaverde/Basin Dakota
County:	San Juan, New Mexico	Surface Location:	17-32N-10W: 2490' FSL, 1655' FWL		
Minerals:	State	Surface:	Lat: 36.9846577 deg; Long: -107.9084797 deg		
Rig :	Aztec 184	BH Location:	same		

OBJECTIVE: Drill 300' below the top of the Two Wells Mbr, set 4-1/2" production casing, Stimulate DK, MF, and PL intervals.

METHOD OF DRILLING		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER				
TYPE OF TOOLS	DEPTH OF DRILLING	Actual GL:	6128	Estimated KB: 6,142.0'		
Rotary	0 - TD	Marker		SUBSEA	TVD	APPROX. MD
LOG PROGRAM		Ojo Alamo		4,934'	1,208'	1,208'
Type	Depth Interval	Kirtland		4,871'	1,271'	1,271'
Single Run		Fruitland	*	3,909'	2,233'	2,233'
		Fruitland Coal	*	3,679'	2,463'	2,463'
		Pictured Cliffs	*	3,232'	2,910'	2,910'
		Lewis	*	2,855'	3,287'	3,287'
Cased Hole		Cliff House	#	1,672'	4,470'	4,470'
TDT- CBL	TD to 7 5/8" shoe	Menefee	#	1,269'	4,873'	4,873'
	Identify 4 1/2" cement top	Point Lookout	#	961'	5,181'	5,191'
REMARKS:		Mancos		561'	5,581'	5,581'
- Please report any flares (magnitude & duration).		Greenhorn		-1,115'	7,257'	7,257'
		Graneros (bent,mkr)		-1,165'	7,307'	7,307'
		Two Wells	#	-1,241'	7,383'	7,383'
		Paguate	#	-1,294'	7,436'	7,436'
		Cubero	#	-1,324'	7,466'	7,466'
		L. Cubero	#	-1,346'	7,488'	7,488'
		Encinal Cyn	#	-1,383'	7,525'	7,525'
		Burro Cyn	#	-1,442'	7,584'	7,584'
		TOTAL DEPTH:		-1,541'	7,683'	7,683'
		# Probable completion interval			* Possible Pay	

SPECIAL TESTS		DRILL CUTTING SAMPLES		DRILLING TIME	
TYPE		FREQUENCY	DEPTH	FREQUENCY	DEPTH
None		30'/10' intervals	2,413' to TD	Geograph	0 - TD
REMARKS:					

MUD PROGRAM:					
Approx.	TypeMud	Weight,	Vis, sec/qt	W/L cc's	Other Specification
200'	Spud	8.8 - 9.0	Sufficient to clean hole.		
2,413'	Water/LSND	8.4 - 9.0		<9	Sweep hole while whilst water drilling, LCM onsite
7,683'	Air	1	1000 cfm for hammer		Volume sufficient to maintain a stable and clean wellbore

CASING PROGRAM:							
CasingString	Estimated	Hole	Casing Size	Grade, Thread	Weight	Landing Point	Cement
Surface/Conductor	200'	14 3/4"	10 3/4"	J-55 ST&C	40.5#		cmt to surface
Intermediate	2,413'	9 7/8"	7 5/8"	K-55 LT & C	26.4#	50' above FC	cmt to surface
Production	7,683'	6 3/4"	4-1/2"	P-110	11.6#	DKOT	150' inside Intermediate - TOC survey required

CONTINGENCY: In case of water influx below the intermediate pipe we will run the following casing program:

CasingString	Estimated	Hole	Casing Size	Grade, Thread	Weight	Landing Point	Cement
Surface/Conductor	200'	14 3/4"	10 3/4"	J-55 ST&C	40.5#		cmt to surface
Intermediate	2,413'	9 7/8"	7 5/8"	K-55 LT & C	26.4#	50' above FC	cmt to surface
Production	5,681'	6 3/4"	5-1/2"	P-110 LT & C	17#	100' into MNCS	150' inside Intermediate
Production Liner	7,683'	4 3/4"	3 1/2"	L-80 Hyd 511	9.2#	TD	100' inside Production Cas.

CORING PROGRAM:

None

COMPLETION PROGRAM:

Rigless, 2-3 Stage Limited Entry Hydraulic Frac, FMC Unihead

GENERAL REMARKS:

Notify BLM/NMOC 24 hours prior to Spud, BOP testing, and Casing and Cementing.

BOP Pressure Testing Requirements

Formation	Depth	Anticipated bottom hole pressure	Max anticipated surface pressure**
Cliffhouse	4,470'	500	0
Point Lookout	5,181'	600	0
Dakota	7,383'	2600	975.74

Requested BOP Pressure Test Exception = 1500 psi

** Note: Determined using the following formula: ABHP - (.22*TVD) = ASP

Form 46 Reviewed by:	Logging program reviewed by:	DATE:	APPROVED:	DATE:
HGJ	JMP	11/18/2003 Revised		
Form 46 7-84bw	For Drilling Dept.	07/11/2006	For Production Dept.	

Cementing Program

Well Name: Decker LS #1M
 Location: 17-32N-10W: 2490' FSL, 1655' FWL
 County: San Juan
 State: New Mexico

Formation: Blanco Mesaverde/Basin Dakota
 KB Elev (est) 6142
 GL Elev. (est) 6128

Casing Program:

Casing String	Est. Depth (ft.)	Hole Size (in.)	Casing Size (in.)	Thread	TOC (ft.)
Surface	200	14 3/4	10 3/4	ST&C	Surface
Intermediate	2413	9 7/8	7 5/8	LT&C	Surface
Production -	5681	6 3/4	5 1/2	LT&C	2263
Production -Liner	7683	4 3/4	3 1/2	L80 Hyd 551	5581

Casing Properties:

(No Safety Factor Included)

Casing String	Size (in.)	Weight (lb/ft)	Grade	Burst (psi.)	Collapse (psi.)
Surface	10 3/4	40.5	J55	3130	1580
Intermediate	7 5/8	26.4	K-55	4140	2890
Production -	5 1/2	17	P110	10640	7460
Production - Liner	3 1/2	9.2	L80	10159	10533

Mud Program

Apx. Interval (ft.)	Mud Type	Mud Weight	<u>Recommended Mud Properties Prio Cementing:</u>	
			PV	<20
			YP	<10
			Fluid Loss	<15
0 - SCP	Water/Spud	8.6-9.2		
SCP - ICP	Water/LSND	8.6-9.2		
ICP - ICP2	Gas/Air Mist	NA		
ICP2 - TD	LSND	8.6 - 9.2		

Cementing Program:

	Surface	Intermediate	Production	Production- Liner
Excess %, Lead	100	75	40	n/a
Excess %, Tail	NA	0	40	40
BHST (est deg. F)	78	111	160	190
Special Instructions	1,6,7	1,6,8	2,4,6	2,4,6

1. Do not wash pumps and lines.
2. Wash pumps and lines.
3. Reverse out
4. Run Blend Test on Cement
5. Record Rate, Pressure, and Density on 3.5" disk
6. Confirm densitometer with pressurized mud scales
7. 1" cement to surface if cement is not circulated.
8. If cement is not circulated to surface, run temp. survey 10-12 hr. after landing plug.

Notes:

*Do not wash up on top of plug. Wash lines before displacing production cement job to minimize drillout.

Surface:

Preflush	20 bbl.	Fresh Water	
Slurry 1	175 sx Class C Cement		223 cuft
TOC@Surface	+ 2% CaCl2 (accelerator)		
			0.5563 cuft/ft OH
Slurry Properties:	Density (lb/gal)	Yield (ft ³ /sk)	Water (gal/sk)
Slurry 1	15.2	1.27	5.8
Casing Equipment:	9-5/8", 8R, ST&C 1 Guide Shoe 1 Top Wooden Plug 1 Autofill insert float valve Centralizers, as needed 1 Stop Ring 1 Thread Lock Compound		

Cementing Program

Intermediate:

Fresh Water	20 bbl	fresh water	
Lead		323 sx Class "G" Cement	850 cuft
Slurry 1		+ 3% D79 extender	
TOC@Surface		+ 1/4 #/sk. Cellophane Flake	
		+ 5 lb/sk Gilsonite	
Tail		104 sx 50/50 Class "G"/Poz	132 cuft
Slurry 2		+ 2% gel (extender)	
500 ft fill		+ 1/4 #/sk. Cellophane Flake	0.2646 cuft/ft OH
		+ 2% CaCl2 (accelerator)	0.2836 cuft/ft csg ann
		+ 5 lb/sk Gilsonite	
Slurry Properties:	Density (lb/gal)	Yield (ft3/sk)	Water (gal/sk)
Slurry 1	11.4	2.63	15.8
Slurry 2	13.5	1.27	5.72
Casing Equipment:	7", 8R, ST&C		
	1 Float Shoe (autofill with minimal LCM in mud)		
	1 Float Collar (autofill with minimal LCM in mud)		
	1 Stop Ring		
	Centralizers as needed		
	1 Top Rubber Plug		
	1 Thread Lock Compound		

Production:

Fresh Water	10 bbl	CW100	
Lead		160 LiteCrete D961 / D124 / D154	403 cuft
Slurry 1		+ 0.03 gps D47 antifoam	
TOC, 150' above 7 5/8" shoe		+ 0.5% D112 fluid loss	
		+ 0.11% D65 TIC	
			0.0835 cuft/ft OH
Slurry Properties:	Density (lb/gal)	Yield (ft3/sk)	Water (gal/sk)
Slurry 1	9.5	2.52	6.38
Casing Equipment:	4-1/2", 8R, ST&C		
	1 Float Shoe (autofill with minimal LCM in mud)		
	1 Float Collar (autofill with minimal LCM in mud)		
	1 Stop Ring		
	Centralizers, as needed		
	1 Top Rubber Plug		
	1 Thread Lock Compound		

Production - Liner

Fresh Water	10 bbl	CW100	
Lead		120 sx 50/50 Class "G"/Poz	173 cuft
Slurry 1		+ 5% D20 gel (extender)	
TOC, 100' above 5 1/2" shoe		+ 0.1% D46 antifoam	
		+ 1/4 #/sk. Cellophane Flake	
		+ 0.25% D167 Fluid Loss	
		+ 0.1% d800, retarder	0.05624 cuft/ft OH
		+ 0.15% D65, dispersant	0.0637 cuft/ft csg ann

Cementing Program

Slurry Properties:

Density
(lb/gal)

13

Yield
(ft³/sk)

1.44

Water
(gal/sk)

6.5

Slurry 1

Casing Equipment:

3-1/2", 8R, ST&C

1 Float Shoe (autofill with minimal LCM in mud)

1 Float Collar (autofill with minimal LCM in mud)

1 Stop Ring

Centralizers, as needed

1 Rubber Plug

1 Thread Lock Compound