Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANGEMENT

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.

2005 AUG 16 PM 1 05

070 FARMINGTON NM

SUBMIT IN TRIPLICATE – Other instructions on reverse side

RECEIVED
AUG 2005
OIL CONS. DIV.
DIST. 3

5. Lease Serial No.
NMSF - 078655

6. If Indian, Allottee or tribe Name

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

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
Decker LS 1M

2. Name of Operator
BP America Production Company Attn: Mary Corley

API Well No.
30-045-32074

3a. Address
P.O. Box 3092 Houston, TX 77253

3b. Phone No. *(include area code)*
281-366-4491

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

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
2490" FSL & 1655' FWL Sec 17 T32N R10W

County or Parish, State
San Juan County, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Abandon
	☐ Change Plans	☐ Plug and Abandon	☐ Water Disposal	
	☐ Injection	☐ Plug Back	☒ Other **Deepen**	

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.

On 12/17/03 BP America requested permission to drill above mentioned well. APD was granted on 8/19/04.

BP requests permission to deepen the well from 7604' to 7683'. The surface casing will change from 120' to 200' and the Intermediate will change from 3194' to 3099'. Production casing will change from 7604' to 7683'. There will be some change to the cement. Please see the attached revised drilling plan and cement program.

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

Name (Printed/typed) **Cherry Hlava** Title **Regulatory Analyst**

Signature Cherry Hlava Date **8/11/2005**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Title Pet. Eng Date 8/18/05

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 FFO

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 witin its jurisdiction.

NMOCD

BP AMERICA PRODUCTION COMPANY

DRILLING AND COMPLETION PROGRAM

11/18/2003 **Revised 07/29/2005**

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

TYPE OF TOOLS	DEPTH OF DRILLING
Rotary	0 - TD

LOG PROGRAM

Type	Depth Interval
Single Run	
Cased Hole	
TDT- CBL	TD to 7" shoe
	Identify 4 ½" cement top

REMARKS:

- Please report any flares (magnitude & duration).

APPROXIMATE DEPTHS OF GEOLOGICAL MARKER

Actual GL: 6128 Estimated KB: 6,142.0'

Marker		SUBSEA	TVD	APPROX. MD
Ojo Alamo		4,934'	1,208'	1,208'
Kirtland		4,871'	1,271'	1,271'
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'
Cliff House	#	1,672'	4,470'	4,470'
Menefee	#	1,269'	4,873'	4,873'
Point Lookout	#	961'	5,181'	5,191'
Mancos		561'	5,581'	5,581'
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

TYPE
None

REMARKS:

DRILL CUTTING SAMPLES			DRILLING TIME	
FREQUENCY	DEPTH		FREQUENCY	DEPTH
30'/10' intervals	3,387'	to TD	Geolograph	0 - TD

MUD PROGRAM:

Interval	TypeMud	#/gal	Vis, sec/qt	/30 min	Other Specification
200'	Spud	8.8 - 9.0	Sufficient to clean hole.		
3,099'	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	Depth	Size	Casing Size	Grade, Thread	Weight	Landing Point	Cement
Surface/Conductor	200'	13 1/2"	9-5/8"	H-40 ST&C	32#		cmt to surface
Intermediate 1	3,099'	8-3/4"	7"	J/K-55 ST&C	20#	100' below LWIS	cmt to surface
Production	7,683'	6-1/4"	4-1/2"	P-110	11.6#	DKOT	150' inside Intermediate - TOC survey required

CORING PROGRAM:

None

COMPLETION PROGRAM:

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

GENERAL REMARKS:

Notify BLM/NMOCD 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:			
PREPARED BY:	**APPROVED:**	**DATE:**	**APPROVED:**	**DATE:**
HGJ JMP		/18/2003 Revised 07/29/20		
Form 46 7-84bw	For Drilling Dept.		For Production Dept.	

Cementing Program

Revised

Well Name:	Decker LS 1M	Field:	Blanco Mesaverde / Basin Dakota
Location:	17-32N-10W, 2490 FSL, 1655 FWL	API No.	
County:	San Juan	Well Flac	
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.)	Stage Tool Or TOL (ft.)	Cmt Cir. Out (bbl.)
Surface	200	13.5	9.625	ST&C	Surface	NA	
Intermediate	3099	8.75	7	LT&C	Surface	NA	
Production -	7683	6.25	4.5	ST&C	2999	NA	

Casing Properties: (No Safety Factor Included)

Casing String	Size (in.)	Weight (lb/ft)	Grade	Burst (psi.)	Collapse (psi.)	Joint St. (1000 lbs.)	Capacity (bbl/ft.)	Drift (in.)
Surface	9.625	32	H-40	2270	1400	254	0.0787	8.845
Intermediate	7	20	K-55	3740	2270	234	0.0405	6.456
Production -	4.5	11.6	J-55	5350	4960	154	0.0155	3.875

Mud Program

Apx. Interval (ft.)	Mud Type	Mud Weight
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

Recommended Mud Properties Prio Cementing:

PV	<20
YP	<10
Fluid Los:	<15

Cementing Program:

	Surface	Intermediate	Production
Excess %, Lead	100	75	40
Excess %, Tail	NA	0	40
BHST (est deg. F)	75	120	183
Special Instructions	1,6,7	1,6,8	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 minmize drillout.

Surface:

Preflush	20 bbl.	FreshWater		
Slurry 1	170 sx	Class G Cement		195 cuft
TOC@Surface		+ 3% CaCl2 (accelerator)		
		0.25 #/sk Cellophane Flake (lost circulation additive)		0.4887 cuft/ft OH
		0.1% D46 antifoam		

Slurry Properties:	Density (lb/gal)	Yield (ft3/sk)	Water (gal/sk)
Slurry 1	15.8	1.16	4.95

Casing Equipment:
9-5/8", 8R, ST&C
1 Guide Shoe
1 Top Wooden Plug
1 Autofill insert float valve
Centralizers, 1 per joint except top joint
1 Stop Ring
1 Thread Lock Compound

Intermediate:

Fresh Water	20 bbl	fresh water	
Lead	260 sx	Class "G" Cement	666 cuft
Slurry 1		+ 3% D79 extender	
TOC@Surface		+ 2% S1 Calcium Chloride	

Cementing Program

			+1/4 #/sk. Cellophane Flake	
			+ 0.1% D46 antifoam'	
	Tail	60	sx 50/50 Class "G"/Poz	75 cuft
	Slurry 2		+ 2% gel (extender)	
	500 ft fill		0.1% D46 antifoam	0.1503 cuft/ft OH
			+1/4 #/sk. Cellophane Flake	0.1746 cuft/ft csg ann
			+ 2% CaCl2 (accelerator)	

Slurry Properties:	Density (lb/gal)	Yield (ft3/sk)	Water (gal/sk)
Slurry 1	11.4	2.61	17.77
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
14 Centralizers (one in middle of first joint, then every third collar)
2 Fluidmaster vane centalizers @ base of Ojo
1 Top Rubber Plug
1 Thread Lock Compound

Production:

	Fresh Water	10 bbl	CW100	
	Lead	170	LiteCrete D961 / D124 / D154	428 cuft
	Slurry 1		+ 0.03 gps D47 antifoam	
	TOC, 100' above 7" shoe		+ 0.5% D112 fluid loss	
			+ 0.11% D65 TIC	
	Tail	160	sx 50/50 Class "G"/Poz	230 cuft
	Slurry 2		+ 5% D20 gel (extender)	+ 5 #/sk D24 gilsonite
	1602 ft fill		+ 0.1% D46 antifoam	+ 0.15% D65 TIC
			+ 1/4 #/sk. Cellophane Flake	+ 0.1% D800 retarder
			+ 0.25% D167 Fluid Loss	
				0.1026 cuft/ft OH

Slurry Properties:	Density (lb/gal)	Yield (ft3/sk)	Water (gal/sk)	0.1169 cuft/ft csg ann
Slurry 1	9.5	2.52	6.38	
Slurry 2	13	1.44	6.5	Top of Mancos 5581

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, every 4th joint in mud drilled holes, none in air drilled holes.
1 Top Rubber Plug
1 Thread Lock Compound