Form 3160-5
(August 1999)

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

5. Lease Serial No.
NMSF080424

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NMNM73345

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

8. Well Name and No.
VAN HOOK LS 1M

2. Name of Operator
BP AMERICA PRODUCTION CO
Contact: CHERRY HLAVA
E-Mail: hlavacl@bp.com

9. API Well No.
30-045-31895-00-X1

3a. Address
P. O. BOX 3092
HOUSTON, TX 77253

3b. Phone No. (include area code)
Ph: 281.366.4081
Fx: 281.366.0700

10. Field and Pool, or Exploratory
BASIN DAKOTA
BLANCO MESAVERDE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 27 T32N R11W NESW ~~1820~~1935FSL ~~2490~~1800FEL

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

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF 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	☒ Other Change to Original A PD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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.)

Original APD submitted on 09/15/2003 and approved on 11/13/2003.

BP America submits for your approval an amended Form 46 to change the total depth of the above well from 7770' to 7880'. Amended to reflect a deeper DK (Burro Canyon) well. This TD is 387' below the base of the Greenhorn Limestone.

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

Electronic Submission #28290 verified by the BLM Well Information System
For BP AMERICA PRODUCTION CO, sent to the Farmington
Committed to AFMSS for processing by ADRIENNE GARCIA on 03/01/2004 (04AXG1959SE)

Name *(Printed/Typed)* CHERRY HLAVA — Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission) — Date 02/25/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By Amie Lueb — Title Petr. Eng. — Date 3/2/04

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.

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

AMENDED

BP AMERICA PRODUCTION COMPANY
DRILLING AND COMPLETION PROGRAM REVISED

Prospect Name: Van Hook LS
Lease: Van Hook LS
Well No: 1M
Surface Location: 27-32N-11W, 1935 FSL, 1800 FEL
Bottom Hole Loc.: 27-32N-11W, 1880 FSL, 2140 FEL
County: San Juan
State: New Mexico
Field: Blanco Mesaverde/Basin Dakota
Date: December 19, 2003
Revised February 24, 2004

OBJECTIVE: Drill 210' below the top of the Upper Two Wells (DKOT), set 4 1/2" production casing, Drill out 110' below the 4 ½" casing shoe, open-hole test and stimulate as required Burro Canyon (DK) interval. Stimulate CH, MF, PL and DK intervals

METHOD OF DRILLING

TYPE OF TOOLS	DEPTH OF DRILLING
Rotary	0 - TD

LOG PROGRAM

TYPE	DEPTH INVERAL
OPEN HOLE	
GR-TDT	7770-TD
CASED HOLE	
GR-CCL-TDT	TDT – TD to 7" shoe
CBL	Identify 4 ½" cement top

REMARKS:
- Please report any flares (magnitude & duration).

APPROXIMATE DEPTHS OF GEOLOGICAL MARKER

Estimated GL: 6360 Estimated KB: 6374

MARKER		TVD	MD
Ojo Alamo		2152	2162
Kirkland		2241	2252
Fruitland		2462	2474
Fruitland Coal	*	2681	2694
Pictured Cliffs	*	3110	3126
Lewis Shale	#	3285	3302
Cliff House	#	4621	4639
Menefee Shale	#	5019	5037
Point Lookout	#	5373	5391
Mancos		5715	5733
Greenhorn		7425	7443
Bentonite Marker		7475	7493
Two Wells	#	7542	7560
Paguate	#	7617	7635
Cubero Upper	#	7648	7666
Cubero Lower	#	7685	7703
Encinal Canyon	#	7721	7739
Burro Canyon	#	7782	7800
TOTAL DEPTH		7862	**7880**

Probable completion interval * Possible Pay

SPECIAL TESTS

TYPE
None

REMARKS:

DRILL CUTTING SAMPLES

FREQUENCY	DEPTH
10'	3385'-TD

DRILLING TIME

FREQUENCY	DEPTH
Geolograph	0-TD

MUD PROGRAM:

Approx. Interval			Type Mud	Weight, #/ga	Vis, sec/qt	W/L cc's/30 min	Other Specification
0	- 120	(1)	Spud	8.6-9.2			
120	- 3403	(2)	Water/LSND	8.6-9.2		<6	
3403	- 7770	(3)	Gas/Air/N2/Mist	Volume sufficient to maintain a stable and clean wellbore			
7770	- 7880	(4)	Gas/Air/N2/Mist	Volume sufficient to maintain a stable and clean wellbore			

REMARKS:
(1) The hole will require sweeps to keep unloaded while fresh water drilling. Let hole conditions dictate frequency.

CASING PROGRAM: (Normally, tubular goods allocation letter specifies casing sizes to be used. Hole sizes will be governed by Contract)

Casing String	Estimated Depth	Casing Size	Grade	Weight	Hole Size	Landing Pt, Cmt, Etc.
Surface/Conductor	120	9 5/8"	H-40 ST&C	32#	13.5"	1
Intermediate 1	3403	7"	J/K-55 ST&C	20#	8.75"	1,2
Production	7770	4 1/2"	J-55	11.6#	6.25"	3

REMARKS:
(1) Circulate Cement to Surface
(2) Set 7" casing 100' into Lewis Shale
(3) Set 4 ½" casing; Bring cement 100' above 7" shoe
(4) Drill lower Dakota section with Gas/Air/N2/Mist; open hole completion below 41/2" casing shoe

CORING PROGRAM:
None

COMPLETION PROGRAM:
Rigless, 4-6 Stage Limited Entry Hydraulic Frac

GENERAL REMARKS:
Notify BLM/NMOCD 24 hours prior to Spud; BOP testing, and Casing and Cementing.

Form 46 Reviewed by: Logging program reviewed by: N/A

PREPARED BY: **APPROVED:** **DATE:**

BP America Production Company
BOP Pressure Testing Requirements

Well Name: **Van Hook LS** **1M**
County: **San Juan** **State:** **New Mexico**

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	2152		
Fruitland Coal	2681		
PC	3110		
Lewis Shale	3285		
Cliff House	4621	500	0
Menefee Shale	5019		
Point Lookout	5373	600	0
Mancos	5715		
Dakota	7542	2600	1002

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

Requested BOP Pressure Test Exception: ~~750 psi~~ 1000 psi