Form 3160-3 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0136 Expires November 30, 2000

 Lease Serial No. SF - 078106

~	If Indian	Allottee	or Tribe	Nome

AT LIGATION TORY EXHIBIT	TO DRILL OR REENTER	6. If Indian, Allottee or Tribe Name
Ta. Type of Work: ☑ DRILL ☐ REENTER	CONFIDENTIAL	7. If Unit or CA Agreement, Name and No.
1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ O		
BP AMERICA PRODUCTION COMPANY	E-Mail: hlavacl@bp.com	9. API Well No. 300453/601
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 KUTZ PICTURED CLIFFS, WEST
4. Location of Well (Report location clearly and in accord	lance with any State requirements.*)	11. Sec., T., R., M., or Blk. and Survey or Are
At surface NENW Lot C 1005FNL 14 At proposed prod. zone	50FWL 36.00000 N Lat, 108.00000 W Lo	Sec 18 T28N R12W Mer NMP
14. Distance in miles and direction from nearest town or post	t office*	12. County or Parish 13. Stat
16.2 MILES EAST FROM FARMINGTON, NM	100000	SAN JUAN NM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any)	16. No. of Acres in Lease	17. Spacing Unit dedicated to this well
lease line, it. (Also to hearest orig. unit line, it any)	43102.00	151.87 NW/4
 Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 	19. Proposed Depth	20. BLM/BIA Bond No. on file
completed, approa 101, on this 10200, 1	1558 MD	A .
21. Elevations (Show whether DF, KB, RT, GL, etc. 5582 GL	22. Approximate date work will start	23. Estimated duration
	24. Attachments	
he following, completed in accordance with the requirements	of Onshore Oil and Gas Order No. 1, shall be attache	ed to this form:
. Well plat certified by a registered surveyor A Drilling Plan.	Item 20 above).	erations unless covered by an existing bond on file (se
A Surface Use Plan (if the location is on National Forest Sys SUPO shall be filed with the appropriate Forest Service O	stern Lands, the ffice). 5. Operator certification 6. Such other site specification authorized officer.	ic information and/or plans as may be required by the
25. Signature (Electronic Submission)	Name (Printed/Typed) CHERRY HLAVA	Date 03/27/2003
Title AUTHORIZED REPRESENTATIVE		
Approved by (Signature) Approved J. Mankiewicz	Name (Printed/Typed)	Date 2003
Title	Office	MAY 29 2003
	•	<i>h</i> ,,
pplication approval does not warrant or certify the applicant he perations thereon. onditions of approval, if any, are attached.	olds legal or equitable title to those rights in the subj	ect lease which would entitle the applicant to conduct

Additional Operator Remarks (see next page)

Electronic Submission #19672 verified by the BLM Well Information System For BP AMERICA PRODUCTION COMPANY, sent to the Farmington

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

District I PO Boy, 1980, Hobbs NM 88241-1980

District II PO Drawer KK, Artosia, NM 87211-0719

District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV

PO Box 2088, Santa Fe, NM 87504-2088

API Number

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Form C-102 Revised February 21, 1994 Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 Pool Code

7000	API Number こうい	61	170	7680	7.12	est Kutz	Port	Pool Nam	Cliff	-5
30045 Property C		0/	1/7	600	Property :		// / / /	~ · Cu		Well Number
000570 Galle				legos Canyon Unit						# 584
, OGRID No. 000 778 BF			BP AMI	Operator Name AMERICA PRODUCTION COMPANY						*Elevation 5582
					¹⁰ Surface L	ocation				
UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the .	North/South line	Feet from	on the	East/West line	County
C	18	28 N	12 W		1005	NORTH	14:	50	WEST	SAN JUAN
		,	" Bott	om Hole	Location If	Different From	n Surfa	ice		
7 UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Peet from	m the	East/West line	County
11 Dedicated Acres	i li Join	t or Infill	Consolidatio	n Code B	Order No.		<u> </u>	I		<u> </u>
151.87										
NO ALLOV	VABLE									CONSOLIDATED
		OR A	A NON-ST		UNIT HAS BI	ZEN APPROVED	BYTH	E DIVIS	ION	
(16 1	~~~		~~~	Shu(R)			17	OPER.	ATOR CE	ERTIFICATION
35. Lot 1		מַ		8				•	•	rmation contained herein is of my knowledge and belief.
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Y at 1	•			₹	i e			Regula	atory A	ralyst
Lot 2	•			7 🗱	2			Mar	06 17 3	2003
K				8			Ī	Date	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
			~~~				€ 18	SURV	EYOR CI	ERTIFICATION
1 1 L	~~~			18						location shown on this plat
36.							ه	or under my	supervision, and	f actual surveys made by me if that the same is true and
	_					1.	٩		e best of my be ebruary 1	
Lot 3	5						ī	Date of Surv	ey	0, 2003
				.			s			ssional Surveyor
								cil	RY D. V.	The state of the s
36.27		<u> </u>						1. %	ST MAN	
30									1016	)°\{\varepsilon\}
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Lot 4								12/		/\$/
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# BP AMERICA PRODUCTION COMPANY DRILLING AND COMPLETION PROGRAM

Lease: County: S	GCU 584 GALLEGOS CA San Juan Jew Mexico	NYON U	JNIT Su	Well rface Locat Fi	ion:	584 1005' FN Sec. 18, West Ku	28N-12		
Date: N	March 26, 2003								
OBJECTIVE: Drill 20	0' into the Pictι	red Cliff	fs, set 4 ½" casin	g to TD, per	f & stim	nulate Pi	ctured C	liffs interval	
	THOD OF DR		DDILLING		XIMAT ated G			GEOLOGICAL Estimated KB	
TYPE OF TOOLS Rotary/Top Drive	0 - T		DRILLING	MAR		2. 330.		SUBSEA	MEAS DEPT
<i>TYPE</i> Open Hole (Platform I		TH INV		Ojo Alar Kirtland Fruitland Pictured	d Coal	* #		5560 5480 4261 4235	
REMARKS: - Please report any fl	ares (magnitud	e & dura	ation).	TOTAL				4035	
				# Comp				* Possible F	
TYPE	SPECIAL TES	STS	:	DRILL FREQU		NG SAN DEPT		DRILLII FREQUENC	
None				None				Geolograph	0-TE
REMARKS:									
MUD PROGRAM:			_					. ,	
Approx. Interval	.   Ту	pe Mud		al Vis, se	c/qt	W/L cc	s/30 mi	n Other Sp	ecificatio
0 - 120-13		ud	8.6-9.2						
120-135 - TD	(1) W	ater/LSN	ID 8.6-9.2	· · · · · · · · · · · · · · · · · · ·					
REMARKS: (1) The hole will requ	ire sweeps to k	eep uni	oaded while fresh	n water drillin	ng. Let	t hole co	nditions	dictate frequen	су.
CASING PROGRAM Casing String	(Normally, tubula		location letter specifi Casing Size	es casing sizes Grade	to be us	sed. Hole s Veight	sizes will b Hole Size	Landing l	ntract) Point, Ce
Surface/Conductor	1	20-135	7"	J 55 ST&C	:	23#		75" 1	
Production	<u>'</u> '	1558	4 ½"	J 55 ST&C		10.5#		25" 1,2	
REMARKS: (1) Circulate Cement (2) Set casing 200' b						•			
CORING PROGRAM None	:			·					
COMPLETION PROC Rigless, Single Stage						•			
GENERAL REMARK Notify BLM/NMOCD 2	S:		BOP testing, and	l Casing and	Ceme	enting.			
Form 46 Reviewed by			Loc	ging progra	m revie	ewed by:	DL	.J	
PREPARED BY:		APPR	OVED:	DA					· · · · · · · · · · · · · · · · · · ·
HGJ/JLP									

Form 46

### **BP America Production Company BOP Pressure Testing Requirements**

Well Name: GCU 584

County: San Juan

State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo Kirtland Fruitland Coal PC	33 113 1332 1358		

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

Requested BOP Pressure Test Exception: 750 psi

#### SAN JUAN BASIN Pictured Cliffs Formation **Pressure Control Equipment**

#### **Background**

The objective Pictured Cliffs formation maximum surface pressure is anticipated to be less than 1000 PSI, based on shut-in surface pressures from adjacent wells. Pressure control equipment working pressure minimum requirements are therefore 2000 PSI. Equipment to be used will conform to API RP-53 (Figure 2.C.2) for a 2000 PSI system per Federal Onshore Order No. 2. Due to available conventional equipment within the area, 3000 PSI rated pressure control equipment will typically be utilized in a double ram type arrangement. Regional drilling rights to be utilized have substructure height limitations, which exclude the use of annular preventers; therefore a rotating head will be installed above these rams. This pressure control equipment will be utilized for conventional drilling below conductor to total depth. No abnormal temperature, pressure, or Hydrogen Sulfide gas is anticipated.

#### **Equipment Specification**

#### Interval

#### **BOP Equipment**

Below conductor casing to total depth

11" nominal or 7 1/16", 3000 PSI double ram preventer with rotating head.

All ram type preventers and related control equipment will be hydraulically tested to 250 PSI (low pressure) and 750 PSI (high pressure), upon installation, following any repairs or equipment replacements, or at 30 day intervals. Accessories to BOP equipment will include Kelly cock, upper Kelly cock with a handle available, floor safety valves and choke manifold, which will also be tested to equivalent pressure at the appropriate intervals.