Form 3160-3 (August 1999)					
UNITED STAT		NOVE PECE		FORM AP OMB No. Expires Nover	1004-0136
DEPARTMENT OF THE BUREAU OF LAND MA	ANGEMENT		5.9:	Lease Serial No. NM -	09717
APPLICATION OFOR PERMIT TO	DRILL OR		6.	If Indian, Allottee or trib	e Name
1a. Type of Work: DRILL	REENTE		7.	If Unit or CA Agreemen	t, Name and No
1b. Type of Well: Oil Well Gas Well Gas Other	er	Single Zone X Multiple	Zone 8.	Lease Name and Well N Florance	
2. Name of Operator BP America Production Compan	y Attn:	: Mary Corley	9.	API Well No. 300453	1939
3a. Address	3b. Phone	e No. (include area code)	10.	Field and Pool, or Explo	ratory
P.O. Box 3092 Houston, Texas 77253	<u> </u>	281-366-4491	Ва	sin Dakota & Blanc	o Mesaverde
4. Loction of Well (Report location clearly and in accorda	nce with any	State requirements.*)	11.	Sec., T., R., M., or Blk,	and survey or Area
At surface 1490' FNL & 2400' FEL Unit G At proposed prod. Zone 700" FNL & 1750' FEL	Unit B			<i>G</i> ₁ Sec. 06, T30	N, R08W
14. Distance in miles and direction from nearest town or post			12.	County or Parish	13. State
24 miles from Az	rtec, NM			San Juan	New Mexico
15. Distance from proposed* Location to nearest Property or lease line, ft.		16. No. of Acres in lease	17. Spaci	ng Unit dedicated to this	
(Also to nearest drig. Ujnit line, if any) 700' BHL 18. Distance from proposed location*	-	327.11		327.11	E/2
to nearest well, drilling, completed, applied for, on this lease, ft. 1300'		19. Proposed Depth 7576 '	20. BLM	BIA Bond No. on file WY292	24
21. Elevations (show whether DF, KDB., RT, GL, etc. 6010' GL		22. Approximate date work w		23. Estimated durati	on 7 Days
		24. Attachments			
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National fo SUPO shall be filed with the appropriate Forest Service O 	rest System	4. Bond to cover 20 above). 5. Operator certi	r the operation fication. ite specific in	ns unless covered by an e	existing bond on file (see l
25. Signature Mary Carley	Name (Prin	nted/typed) Mary Corley	I	Date 10/0	02/2003
Title	So.	nior Regulatory Analyst			
Approved by (Signature) Nam	e (Printed/T)		1	Date	NOV 2 0 2003
Title Je Control J. International Office	ce				
Application approval does not warrant or certify the applicant l Operations thereon. Conditions of approval, if any, are attached.	holds legal or	equitable title to those rights in the	ne subject leas	e which would entitle the	applicant to conduct
Title 18 U.S.C. Section 1001 and title 43 U.S.C. Section 1212, any false, fictitious or fraudulent statements or representations			willfully to m	ake to any department or	agency of the United State
*(Instructions on reverse)			, 		
This action is subject to tech procedural review pursuant and appeal pursuant to 43 C	to 43 CFR 3	SUBJECT	G OPERATION I TO COMPLI AL REQUIRE!	NS AUTHORIZED ARE ANCE WITH ATTACHE MENTS".	

HOLD CIDA FOR directional Survey

District I
FO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410

PO Box 2088, Santa Fe, NM 87504-2088

District IV

State of New Mexico Energy, Minerals & Natural Resources Department

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

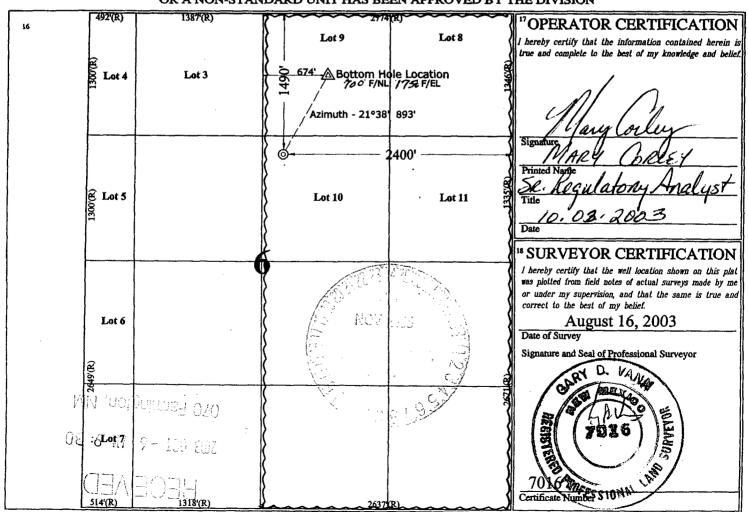
Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

		WE	LL LO	CATION	AND ACR	EAGE DEDIC	ATION PL	ΑT				
¹ API Number ² Pool Code					1	¹ Pool Name						
30-04	5-31	31939 71599: 72319 BASIN DAKOTA & BLANCO							MESAVERDE			
4 Property					¹ Property	Name			⁶ Well Number			
00054/ Florance H									# 37M			
7 OGRID No. 4 Operator Name									⁹ Elevation			
000 178 BP AMERICA PRODUCTION COMPANY								6010				
					¹⁰ Surface I	ocation.						
UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Bast/West lis	ne County			
G(Lot 10)	6	30 N	30 N 8 W 1490 NORTH 2400 EA				EAS	T SAN JUAN				
			" Bott	om Hole	Location If	Different From	n Surface					
7 UL or lot no.	Section	Township	Range	Lot Idn	Peet from the	North/South line	Peet from the	. East/West li	ine County			
B (Lot 9)	6	30 N	8 W		700'	NORTH	1750	EAS	T SAN JUAN			
12 Dedicated Acres	a 13 Ioin	t or Infill 4	Consolidatio	n Code 15	Order No.		,					

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



(R) - BLM Record

BP AMERICA PRODUCTION COMPANY DRILLING AND COMPLETION PROGRAM

Prospect Name: Florance H

Lease: Florance H

County: San Juan

Well No: 37M

Surface Location: 6-30N-8W, 1490 FNL, 2400 FEL BHL: 6-30N-8W, 700 FNL, 1750 FEL

Field: Blanco Mesaverde/Basin Dakota

State: New Mexico Date: October 1, 2003

	ctober 1, 2003	- 11		1 44 (07			24:	A- CLL ME	. 01	and DK in		
OBJECTIVE: Drill 215'			wo Wells (DKO1), se									
	THOD OF DRI				PROXIM							
TYPE OF TOOLS			DRILLING		stimated		6010			imated	KB:	6024
Rotary	0 - T				MARKER				•			MD
	LOG PROGRA	AM			Ojo Alamo			1614		l	1660	
					land			1739			}	1791
					itland				2216			2293
TYPE	DEP'	TH INVE	RAL	1	itland Coa		*		2491		ļ	2582
OPEN HOLE					ured Cliffs	\$	*		2845			2954
none					vis Shale		# #		3383		Ī	3519
					f House nefee Sha	اما	#		4393 4737		1	4544 4888
CASED HOLE					nt Lookou		#		5081		l	5232
GR-CCL-TDT	TDT	- TD to	7" shoe		ncos	`	"		5439			5590
CBL			cement top		enhom	1			7100		}	7251
			<u> </u>	Ber	ntonite Ma	rker			7148			7299
REMARKS:					Wells		#		7210			7361
- Please report any flare	s (magnitude & o	duration)			juate]	#		7279			7430
					pero Uppe		#		7316			7467
					ero Lowe		#		7339			7490
					TAL DEPT				7425		<u> </u>	7576
					robable co				* [Possible		
	SPECIAL TES	TS			RILL CUT							TIME
TYPE					EQUENC		EPT!	-		EQUEN		DEPTH
None				10'	10' 3483'-TD				Geolograph 0-TD			0-TD
MUD PROGRAM:											 -	
Approx. Interval		pe Mud		ga Vi	s, sec/qt	<u> W/</u>	L cc's	s/30 mir	<u>1</u>	Other:	Speci	fication
0 - 120	Sp		8.6-9.2									
120 - 3624	` ' '	ater/LSN				<6						
3624 - 7576	Ga	s/Air/N2	2/Mist Volume	sufficie	nt to mair	<u>ntain a</u>	stabl	e and cl	ean v	wellbor	<u>e</u>	
REMARKS:										_		
(1) The hole will requir												
CASING PROGRAM:	(Normally, tubular	r goods al				e used.	Hole s	izes will b	e gov			
Casing String	Estimated	Depth	Casing Size	Grade	e	Weig	jht	Hole Si	ze	Landi	ing Pt	, Cmt, Etc.
Surface/Conductor		120	9 5/8"		ST&C		32#		3.5"	1		
Intermediate		3624	7"	J/K-5	5 ST&C	:	20#		75"	1,2		
Production		7576	4 1/2"	J-55		11	.6#	6.	25"	3		
REMARKS:												
(1) Circulate Cement to	o Surface											
(2) Set casing 100' into												
(3) Bring cement 100'	above 7" shoe											
CORING PROGRAM:			_ 									
None												
COMPLETION PROG	RAM:			, <u> </u>								
Rigless, 3-4 Stage Lim	ited Entry Hyde	raulic Fr	ac							٠.		
GENERAL REMARKS												
Notify BLM/NMOCD 24		Spud: I	BOP testing, and	Casino	and Cen	nentin	a.					
Form 46 Reviewed by:					ogram re			N/A	\			
PREPARED BY:	·	APPP	OVED:	ים ציייני	DATE:		<u> </u>	14/7	-	Γ		
, AILL D1.		ן כו כול	~ T L D.		Octobe	r 2 20	ากจ					
HGJ/MNP/JMP					Version		,,,,			1		
Form 46 12-00 MNP					1 4613101	. J.V				L		
1 VIII TU 14 TUU IVIII												

BP America Production Company BOP Pressure Testing Requirements

Well Name: Florance H

County: San Juan

37M

State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1660		
Fruitland Coal	2582		
PC	2954		
Lewis Shale	3519		
Cliff House	4544	500	0
Menefee Shale	4888		
Point Lookout	5232	600	0
Mancos	5590		1
Dakota	7361	2600	946

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

Requested BOP Pressure Test Exception: 1500 psi

SAN JUAN BASIN Dakota Formation Pressure Control Equipment

Background

The objective Dakota 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 in the Basin Dakota. No abnormal temperature, pressure, or H2S 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 2000 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.

Cementing Program

Well Name: Location: County: State:	Florance H37M 6-30N-8W, 1490 San Juan New Mexico	FNL, 2400 Fe	L		Field: API No. Well Flac Formation KB Elev (e GL Elev. (est)	Dakota Me		e / Basin Dakot le	.
Casing Program Casing String Surface Intermediate	Est. Depth (ft.) 120 3624	Hole Size (in.) 13.5 8.75		ST&C ST;Clt&C		-	Stage Tool Or TOL (ft.) NA NA		mt Cir. Out bl.)	
Production -	7576	6.25	4.5	ST&C	3524		NA			
Casing Propertie Casing String	es: Size (in.) 9.625	(No Safety Fa Weight (lb/ft)	actor Include Grade H-40	d) Burst (psi.) 22703 376	Collapse (psi.)	1400	Joint St. (1000 lbs.)		apacity Dri bl/ft.) (in. 0.0787	
Surface Intermediate	9.623		H-40 K-55	3740		2270		-	0.0767	6.456
Production -	4.5		J-55	5350		4960		154	0.0405	3.875
Pioduction -	4.5	11.0	J-33	3330		4300		104	0.0155	3.073
Mud Program Apx. Interval	Mud Type	Mud Weight	· · · · · · · · · · · · · · · · · · ·			l Prope	rties Prio C	mentir	ng:	
(ft.)				PV	<20					
				YP	<10					
0 - SCP	Water/Spud	8.6-9.2		Fluid Los	:<15					
SCP - ICP ICP - ICP2	Water/LSND	8.6-9.2								
ICP - ICP2 ICP2 - TD	Gas/Air Mist	NA 8.6 - 9.2								
Cementing Progra		0.0 - 9.2								
Cemenung Progr	am.		Surface		Interme	diata			Production	
Excess %, Lead			100	,	75				40	
Excess %, Tail			NA		0				40	
BHST (est deg. F	3		75		120	`			183	
Special Instruction	•		1,6,7		1,6,				2,4,6	
	 Do not wash p Wash pumps Reverse out Run Blend Te Record Rate, Confirm densi 1" cement to s If cement is no 	and lines. st on Cement Pressure, and tometer with p surface if ceme	Density on 3 ressurized ment is not circ	nud scales ulated.	10-12 hr. a'	fter lan	ding plug.			
Notes:	*Do not wash up	on top of plug	ı. Wash lines	before displac	ing produc	tion ce	ment job to	minmiz	ze drillout.	
Surface:	Preflush		20 bbl.	FreshWa	iter					
									128	
	Slurry 1	110	sx Class G	Cement					-117 cu	ft
	TOC@Surface		+ 3% CaCl2	2 (accelerator)						
	_			Cellophane Fl	ake (lost ci	rculatio	n additive)		0.4887 cu	ft/ft OH
				•			,			
Slurry Properties:		Density		Yield			Water			
		(lb/gal)		(ft3/sk)			(gal/sk)			
	Slurry 1	15.8	}	1.16	;			1.95		
Casing Equipmen	nt:		e en Plug ert float valve 1 per joint e	xcept top joint						

Cementing Program

ntermediate:	· · · · · · · · · · · · · · · · · · ·					
	Fresh Water	20 bbl	fres	sh water		
						815
	Lead		310 sx	Class "G" Cement		-841 cuft
	Siurry 1		+ 3	% D79 extender		
	TOC@Surface		+1/	4 #/sk. Cellophane	Flake	
				lb/sk Gilsonite		
			, ,	ibrak Olisonike		
	Tail		60 sx	50/50 Class "G"/Po	z	75 cuft
	Slurry 2		+ 2	% gel (extender)		
	500	ft fill	+1/	4 #/sk. Cellophane	Flake	0.1503 cuft/ft OH
			+ 2	% CaCl2 (accelera	tor)	0.1746 cuft/ft csg and
			+ 5	lb/sk Gilsonite		
Slurry Properties:		Density	Yie	ald	Water	
ording rioperaes.		(lb/gal)		/sk)	(gal/sk)	
Olum . 4						
Slurry 1		11.4		2.63	15.8	
Slurry 2		13.5	•	1.27	5.72	
Casing Equipment	·4 ·5	7", 8R, ST&C				
		1 Float Shoe (autofill w	ith minimal	LCM in mud)		
		1 Float Collar (autofill w	ith minima	I LCM in mud)		
		1 Stop Ring		·		
		Centralizers one in mid	idle of first	ioint, then every thi	rd collar	
		1 Top Rubber Plug		,,,		
		1 Thread Lock Compou	ınd			
Production:	Fresh Water	10 bbl	CV	v400		
	rresn water	10 001	CV	V100		428
	Lead		170 Lite	eCrete D961 / D124	L / D154	_426 cuft
						Deo cuit
	Slurry 1			0.03 gps D47 antifoa		
	TOC, 400' above	7" shoe	+ (0.5% D112 fluid loss	8	
			+ 0	0.11% D65 TIC		- **
	T-9		150	50/50 OI 101/5		214
	Tail			50/50 Class "G"/Po		_213 cuft
	Slurry 2		+ 5	5% D20 gel (extende	er)	
	1486	ft fill	+ 0	.1% D46 antifoam		
			+ 1	/4 #/sk. Cellophane	e Flake	
).25% D167 Fluid Lo		
				ib/sk Gilsonite		
				.1% d800, retarder		
			+0	.15% D65, dispersa	int	0.400000 011
Slurry Properties:		Density	Υiε	eld	Water	0.1026 cuft/ft OH
		-				0.1160 0.00
01		(lb/gal)		3/sk)	(gal/sk)	0.1169 cuft/ft csg and
Slurry 1		9.5		2.52	6.38	
		13		1.44	6.5	Top of Mancos 5590
Slurry 2		4-1/2", 8R, ST&C				
Slurry 2 Casing Equipment	t:	4-1/2, 013, 3140				
•	::	1 Float Shoe (autofill w	ith minimal	LCM in mud)		
•	t:			•		·
•	t:	1 Float Shoe (autofill w 1 Float Collar (autofill w		•		·
•	t	1 Float Shoe (autofill w 1 Float Collar (autofill w 1 Stop Ring	vith minima	I LCM in mud)	a in air drillad hal-	
•	t:	1 Float Shoe (autofill w 1 Float Collar (autofill w	vith minima	I LCM in mud)	e in air drilled hole:	