Form 3160-3

FORM APPROVED

(August 1999) UNITED ST DEPARTMENT OF T BUREAU OF LAND M APPLICATION FOR PERMIT T	HE INTERIOR OCT 2004	OMB No. 1004-0136 Expires November 30, 2000 5. Lease Serial No. NM 012201 6. If Indian, Allottee or Tribe Name
1a. Type of Work: ☑ DRILL ☐ REENTER		7. If Unit or CA Agreement, Name and No. 8. Lease Name and Well No.
lb. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Oth	ner Single Zone Multiple Zone	BLANCO A 1N
	CHERRY HLAVA E-Mail: hlavacl@bp.com	9. API Well No. 3004532442
3a. Address P.O. BOX 3092 HOUSTON, TX 77253-3092	3b. Phone No. (include area code) Ph: 281.366.4081 Fx: 281.366.0700	10. Field and Pool, or Exploratory BASIN DAKOTA & BLANCO MV
4. Location of Well (Report location clearly and in accorded	ance with any State requirements.*)	11. Sec., T., R., M., or Blk. and Survey or Area
At surface SENW 1770FNL 2355FWL At proposed prod. zone	. 36.61722 N Lat, 107.63333 W Lon	F Sec 36 T28N R08W Mer NMP
14. Distance in miles and direction from nearest town or post 21.4 MILES SOUTH/EAST FROM BLOOMFIELD		12. County or Parish SAN JUAN 13. State NM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1770'	16. No. of Acres in Lease	17. Spacing Unit dedicated to this well 320.00 N 2
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 7119 MD	20. BLM/BIA Bond No. on file WY2924
21. Elevations (Show whether DF, KB, RT, GL, etc. 6191 GL	22. Approximate date work will start 08/15/2004	23. Estimated duration 7 DAYS
	24. Attachments	
The following, completed in accordance with the requirements of	of Onshore Oil and Gas Order No. 1, shall be attached t	o this form:
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest Sys SUPO shall be filed with the appropriate Forest Service Of 	Item 20 above). tem Lands, the 5. Operator certification	ions unless covered by an existing bond on file (see
25. Signature (Electronic Submission)	Name (Printed/Typed) CHERRY HLAVA	Date 06/29/2004
Title REGULATORY ANALYST		
Approved by (Signature)	Name (Printed/Typed)	Date /0/4/09
Title Title	Wayne Townson c	10/3/07

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached.

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.

Additional Operator Remarks (see next page)

Electronic Submission #32475 verified by the BLM Well Information System For BP AMERICA PRODUCTION COMPANY, sent to the Farmington

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED

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

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

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

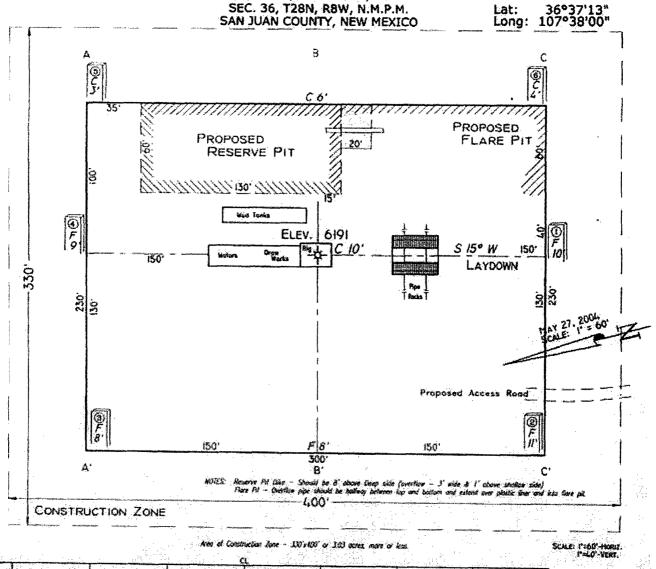
AMENDED REPORT

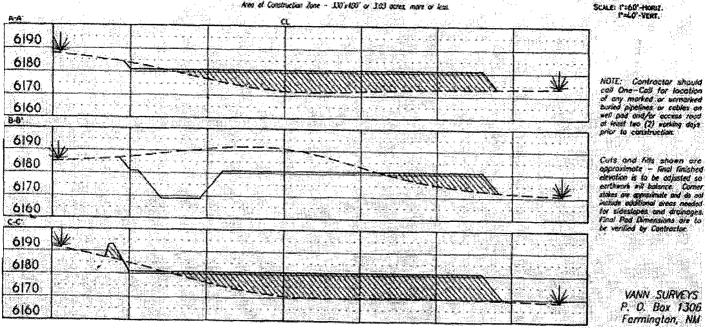
1000 Rio Brazos Rd., Aztoc, NM 87410 Santa Fe, NM 87504-2088 District IV PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT												
30-045-32442 71599: 72319 Basin Dakota; Blanco Mesaverde												
* Property Code								1				
	00 3/9 Blanco A #1N											
OGRID	j.					Operator N					• • •	Elevation
<i>00</i> 0 77	8	В	P AMI	LKI	CA .	PRODUCTI		ANY				6191
			·			Surface L						
UL or Lot No.	Section	Township	Range	L	ot Idn	Feet from the	North/South line		from the	East/West		SAN JUAN
F	36	28 N	8 W			1770	NORTH		2355	WE	791	SAIT JUAIT
7 UL or lot no.	Section	Township	" Bott		Hole	Location If I			from the	East/Wes	t line	County
OL or lot no.	Section	rownsnip	Charge	1.	or ren	Feet from the	North/South line	roa	nom use			
12 Dedicated Acre	s ¹³ Joins	or Infill	Consolidatio	a Cod	e 11 (Order No.				<u> </u>		J
320												
	WABLE V	WILL BE	ASSIGNI	3D T	т от	S COMPLETIC	N UNTIL ALL	INTE	ESTS H	LAVE BE	EN CO	NSOLIDATED
		OR A				UNIT HAS BE		D BY 1	HE DIV	ISION .		
16				3280	(R)			}	17 OPE	RATOR	CER	TIFICATION
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8							308 PM		Date O	7-07		
						1000 C 17	16 Million	ដ	" SUR	VEYOR	CER	TIFICATION
ON THE REAL PROPERTY.				3	O				I hereby	certify that ti	he well loc	ntion shown on this piat
**		transfer possible files	-4-				***	٧٢	В .			tual surveys made by me at the same is true and
									carrect to	o the best of		
									Date of S	<u>May</u> Survey	121,2	2004
									Signamo	e and Seal of	Professio	ital Surveyor
										CALLY.		Way .
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b.										21 / 1	Wit	* Services
* - * 4		,	7								-	/ (章)
Lot 1		L L	ot 2			Lot 3	Lot 4		1	181	Manuel .	Jake 1
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***************************************				5280	(R)		And the same of th			te Number		

PAD LAYOUT PLAN & PROFILE BP AMERICA PRODUCTION COMPANY

Blanco A # IN 1770' F/NL 2355' F/WL SEC. 36, T28N, R8W, N.M.P.M. SAN JUAN COUNTY, NEW MEXICO





Additional Operator Remarks:

Notice of Staking was submitted on 06/24/2004

BP America Production Company respectfully requests permission to drill the subject well to a total depth of approximately 7119 feet and complete into the Basin Dakota Pool, produce the well to establish a production rate, perform a deliverability test, isolate the Dakota then complete into the Blanco Mesaverde Pool and commingle production downhole.

SUPPLEMENTAL TO SURFACE USE PLAN

New Facilities:

A 4 diameter buried steel pipeline that is + or - 500 feet in length will be constructed. The pipe wall thickness is .156 and the pipe wall strength is 42,000#. It will be adjacent to the access road and tie the well into an existing gas meter operated by BP America Production Company. The pipeline will not be used to transport gas to drill the well. After the well is spud the pipeline will be authorized by a right-of-way issued by El Paso Services.

If conditions allow, it is our intent to pre-set the 9 5/8" casing on the above mentioned well by drilling a surface hole with air/air mist in lieu of drilling mud and the surface casing be cemented with 94.5 cu/ft type I-II, 20% FLYASH, 14.5 PPG, 7.41 gal/sk, 1.61 cf/sk Yield, 80 DEG BHST ready mix cement. If the area will not allow for pre-set the approved cement program will be followed.

Our Form 46 drilling plan has changed slightly. The BOP Pressure Testing Requirements are located on the bottom for the Form 46.

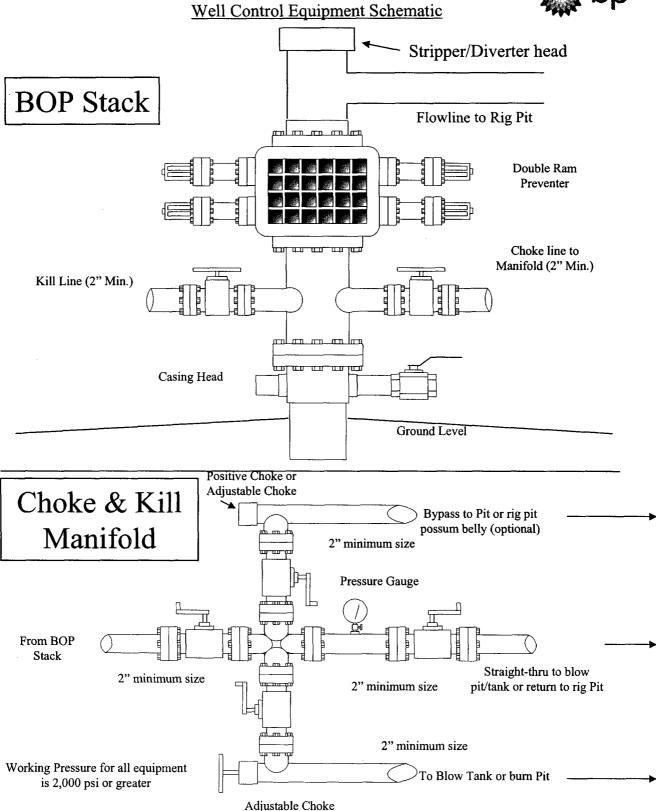
APD/ROW

		RP AR	MERICA PRODUCTION	COMPANY	[1	I
			LING AND COMPLETION PROGR				
		DIGE	LING AND COMPLETION PROGR	l .			
Lease:	Blanco		Well No.	Blanco A #1N	Field:	Basin Dakota/Blanc	o Mesaverde
County:	San Juan, New Mexico		Location:	36-28N-8W:1770' FNL, 23			
Minerals:			BHLOC:	same			
	Aztec 184		Surface:	Lat: 36 deg, 37.21 min	; Long: 107 deg	37.97 min	
		o Wells Mbr, set 4-1/2" produc	tion casing, Stimulate DK, CH, MF, PL and 0				
	METHOD OF DRILLING	DESTIL OF SOULING		APPROXIMATE DEPT			
TYPE OF TOOI Rotary		DEPTH OF DRILLING 0 - TD		Actual GL:		Estimated KB:	
	LOG PROGRAM	0-10		Marker	SUBSEA	TVD	APPROX. MD
Type - single ru		Depth Interval		Ojo Alamo Kirtland	4,488' 4,359'	1,717' 1,846'	1,717' 1,846'
17F5 0g,076		D opan anorvar		Fruitland *	3,981	2,224'	2.224'
Cased Hole TDT- (CBL	TD to 7" shoe		Fruitland Coal *	3,687	2,518'	2,518'
		Identify 4 1/2" cement top		Pictured Cliffs *	3,583'	2,622	2,622'
				Lewis *	3,378'	2,827	2,827'
				Cliff House #	1,995'	4,210'	4,210'
				Menefee #	1,794'	4,411'	4,411'
				Point Lookout #	1,328'	4,877'	4,877'
				Mancos	944'	5,261'	5,261'
				Greenhorn	-583'	6,788'	6,788'
				Graneros (bent,mkr)	-644'	6,849'	6,849'
				Two Wells Mbr #	-674'	6,879'	6,879'
				Paguate Mbr #	-774'	6,979'	6,979'
		 		Cubero Mbr #	-813'	7,018'	7,018'
		 		L. Cubero Mbr #	-836'	7,041'	7,041'
				Encinal Cyn Mbr#	-885'	7,090'	7,090'
		 		TOTAL DEPTH: # Probable completion	-914'	7,119' * Possible Pay	7,119'
				DRILL CUTTING SAM		DRILLING	TIME
				FREQUENCY	DEPTH	FREQUENCY	DEPTH
				301/10' intervals	2927'-TD	Geolograph	0 - TD
	SPECIAL TESTS			GOTTO MINOTONIO	2021 10	Coolograph	0-10
TYPE							
None							
					T		
A							
MUD PROGRA							
interval	Mud	#/gal	sec/qt	cc's/30 min	Other Spe	cification	
200'	Spud	8.8 - 9.0	Sufficient to clean hole.				
2,927'	Water/LSND	8.4 - 9.0		<9		whilst water drilling,	
7,119'	Air	1	1000 cfm for hammer		Volume sufficient	to maintain a stable	and clean wellbore
CASING PROG	IRAM·				-		
String	Depth	Size	Size	114 O1- T	 		
Surface/Conducto	200'	13 1/2"		Wt, Grade, Thread 32#, H-40 ST&C	Landing Point	Cement	
Intermediate 1	2,927'	8-3/4"		32#, H-40 ST&C 20#, J/K-55 ST&C	100' bol1 14"0	cmt to surface	
Production	7,119'	6-1/4"	4-1/2"	11.6#, J-55	100' below LWIS	cmt to surface Cmt to 150' inside In	tormodiate 1
			7-1/2	11.0#, 3-33	DKOI	TOC survey required	
CORING PROG	SRAM:					. CC survey required	-
None							-
COMPLETION							
	Limited Entry Hydraulic Frac, FA	IC Unihead					
	Testing Requirements						
	Formation	Depth	Anticipated bottom hole pressure	Max anticipated surface p	ressure**		
	Cliffhouse	4,210	500	0			
	Point Lookout	4,877'	600	0			
	Dakota	6,879'	2600	1080			
GENERAL REM	Requested BOP Pressure Test E	xception = 1500 psi		** Note: Determined using	the following form	ula: ABHP ~ (.22*TV	D) = ASP
	D 24 hours prior to Spud, BOP te	eting and Conics and Conics			ļ <u>.</u>		
TOWN DEIGNIAINOOF			2				
		1 3	Logging program reviewed by:				1
Form 46 Review				DATE:	ADDDOVET		
Form 46 Review PREPARED BY		APPROVED:		DATE: 2-Jun-04	APPROVED:		DATE:

.

BP American Production Company





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.

FEDERAL CEMENTING REQUIREMENTS

- 1. All permeable zones containing fresh water and other usable water containing 10,000 PPM or less total dissolved solids will be isolated and protected from contamination by cement circulated in place for the protection of permeable zones per the NTL-FRA 90-1 Section III A.
- 2. The hole size will be no smaller than 1 ½" larger diameter than the casing O.D. across all water zones.
- 3. An adequate spacer will be pumped ahead of the cement slurry to help prevent mud contamination of the cement.
- 4. An adequate number of casing centralizers will be run through usable water zones to ensure that the casing is centralized through these zones. The adequate number of centralizers to use will be determined by API SPEC 10D.
- 5. Centralizers will impart a swirling action around the casing and will be used just below and into the base of the lowest usable water zone.
- 6. A chronological log will be kept recording the pump and slurry information and will be sent to the BLM with the subsequent sundry.

Cementing Program

Well Name: Location: County: State:	Blanco A1N 36-28N-08W, 1 San Juan New Mexico	770 FNL, 235	5 FWL		Field: API No. Well Flac Formation: KB Elev (est) GL Elev. (est)	Dakota Mes	saverde / Basi saVerde 205 191	n Dakota	
Casing Program		Hole Size	Casina Cina	Thursd	TOO	Ctana Taol	Cmt Cir.	0.4	
Casing String	Est. Depth (ft.)	(in.)	Casing Size (in.)	Thread	TOC (ft.)	Stage Tool Or TOL (ft.)		Out	
Surface	200	13.5	9.625	ST&C	Surface	NA) (001.)		
Intermediate	2927	8.75	7	LT&C	Surface	NA.			
Production -	7119	6.25	4.5	ST&C	2827	NA			
Casing Propertie	es:	(No Safety	actor Included)	······································			····		
Casing String	Size	Weight	Grade	Burst	Collapse	Joint St.	Capacity	Drift	
	(in.)	(lb/ft)		(psi.)	(psi.)	(1000 lbs.)	(bbl/ft.)	(in.)	
Surface	9.62	25 3	2 H-40	3370	14	400	254 0.0	787	8.845
Intermediate		7 2	0 K-55	3740	22	270	234 0.0	0405	6.456
Production -	4	.5 11.	6 J-55	5350	49	960	154 0.0	0155	3.875
Mud Program				_					
Apx. Interval	Mud Type	Mud Weigh	ţ			operties Prio Ce	ementing:		
(ft.)				PV	<20				
			_	YP	<10				
0 - SCP	Water/Spud	8.6-9.		Fluid Los	! <15				
SCP - ICP	Water/LSND	8.6-9.							
ICP - ICP2	Gas/Air Mist	8.6 - 9.							
ICP2 - TD	LSND	8.6 - 9.	2						
Cementing Progra	am:		0		t		D		
T 0/ 1			Surface		Intermediat	e	Produc	uon	
Excess %, Lead			100		75		40		
Excess %, Tail			NA 75		0		40		
BHST (est deg. F	•		75		120		183		
Special Instruction	ns 1. Do not wash	numna and lin	1,6,7		1,6,8		2,4,6)	
	2. Wash pumps		165.						
	3. Reverse out	s and intes.							
	4. Run Blend T	est on Cemon	ì						
			t d Density on 3.5'	" diek					
			pressurized mud						
			pressurized much						
			to surface, run te		10-12 hr after	landing plug			
Notes:	*Do not wash u	ıp on top of plu	ıg. Wash lines be	efore displac	ing production	cement job to r	minmize drillo	ut.	
Surface:									
	Preflush		20 bbl.	FreshWa	ter				
	Slurry 1	16	0 sx Class C Ce	ment				195 cuft	
	TOC@Surface		+ 2% CaCl2 (a					100 Can	
	100@04.1400		270 00012 (0	accolorator)			0.4	4887 cuft/	ft OH
Chama Danier at		D ''				141 :			
Slurry Properties:		Density		Yield		Water			
Slurry Properties:	Slurry 1	Density (lb/gal) 15		Yield (ft3/sk) 1.27		Water (gal/sk)	5.8		

Cementing Program

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

	Fresh Water	20 bbl	fresh water		
	Lead		240 sx Class "G" Cen	nent	621 cuft
	Slurry 1		+ 3% D79 extend		021 Cuit
	TOC@Surface		+1/4 #/sk. Cellop		
	, 00@04.1600		+ 5 lb/sk Gilsonite		
	Tail		60 sx 50/50 Class "0	G"/Poz	75 cuft
	Slurry 2		+ 2% gel (extend	er)	
	50	O ft fill	+1/4 #/sk. Cellop		0.1503 cuft/ft OH
			+ 2% CaCl2 (acc + 5 lb/sk Gilsonite		0.1746 cuft/ft csg an
Slurry Propertie	es:	Density	Yield	Water	
		(lb/gal)	(ft3/sk)	(gal/sk)	
Slurry 1		11.4	2.63	15.8	
Slurry 2		13.5	1.27	5.72	
Casing Equipm	nent:	7", 8R, ST&C			
		1 Stop Ring Centralizers one in m 1 Top Rubber Plug 1 Thread Lock Compo	iddle of first joint, then eve	ery third collar	
Production:	Fresh Water	10 bbl	CW100		
	Lead Slurry 1 TOC, 400' abov	re 7" shoe	190 LiteCrete D961 / + 0.03 gps D47 a + 0.5% D112 flui + 0.11% D65 TIC	antifoam d loss ; G"/Poz	473 cuft 195 cuft
	Slurry 2 135	8 ft fill	+ 5% D20 gel (e) + 0.1% D46 antif + 1/4 #/sk. Cellop	oam	

Cementing Program

+0.1% d800, retarder +0.15% D65, dispersant

				0.1026 cuft/ft OH
Slurry Properties:	Density	Yield	Water	
	(lb/gal)	(ft3/sk)	(gal/sk)	0.1169 cuft/ft csg ann
Siurry 1	9.5	2.52	6.38	
Slurry 2	. 13	1.44	6.5	Top of Mancos
				5261

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