(August 1999)	TATES	OMB No. 1004 Expires November	
		Explics November	50, 2000
		5. Lease Serial No. NMSF - 078580-A	
APPLICATION FOR PERMIT	TO DRILL OR REENTER		Name
	# AH 2004		
1a. Type of Work: ☑ DRILL ☐ REENTER	M OF COMP	7. If Unit or CA Agreement, N	lame and No.
	C Dist. a Olv.	8. Lease Name and Well No.	
lb. Type of Well: 🔲 Oil Well 🔀 Gas Well 🔲 O	ther Single Zone Multiple Zone	MOORE E 1B	
Name of Operator Contac BP AMERICA PRODUCTION COMPANY	t: MARY CORLEY E-Mail: corleyml@bp.com	9. API Well No. 300453	2073
3a. Address P.O. BOX 3092	3b. Phone No. (include area code) Ph: 281.366.4491		
HOUSTON, TX 77253	Fx: 281.366.0700		_
4. Location of Well (Report location clearly and in according	dance with any State requirements.*)	11. Sec., T., R., M., or Blk. an	d Survey or Area
At surface NWSW Lot L 2454FSL 10	035FWL 36.49500 N Lat, 107.42300 W Lon	11	NMP
At proposed prod. zone		SME: BLM	
14. Distance in miles and direction from nearest town or pos	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL OR REENTER/AR 2004 Type of Work: DRILL: REENTER Type o		13. State
			NM
lease line, ft. (Also to nearest drig. unit line, if any)		1	this well
1035	320.00	320.00	
18. Distance from proposed location to nearest well, drilling	, 19. Proposed Depth	20. BLM/BIA Bond No. on fil	e
1400	5739 MD	WY2924	
21. Elevations (Show whether DF, KB, RT, GL, etc.		23. Estimated duration	
6362 GL	01/16/2004	5 DAYS	
	24. Attachments		
The following, completed in accordance with the requirements	s of Onshore Oil and Gas Order No. 1, shall be attached to	this form:	***
Well plat certified by a registered surveyor.		ons unless covered by an existing	bond on file (see
3. A Surface Use Plan (if the location is on National Forest Sy	stem Lands, the 5. Operator certification	o 1/ 1	
SOPO shall be filed with the appropriate Forest Service C		formation and/or plans as may be	required by the
25. Signature	Name (Printed/Typed)		Date
·	MARY CORLEY		12/17/2003
Title AUTHORIZED REPRESENTATIVE			
18. Type of Work: DRILL GREENTER 19. Type of Woll: Oil Well Gas Well Other 2. Name of Operator 3. Address 3. P.O. BOX 3092 4. Location of Well (Report location clearly and in accordance with any State requirements.*) 4. Location of Well (Report location clearly and in accordance with any State requirements.*) 4. Location of Well (Report location clearly and in accordance with any State requirements.*) 4. Location of Well (Report location thearts from proposed location to nearest from proposed prod. zone 4. Location of Well (Report location from nearest town or post office* 20 MILES FROM AZTEC, NEW MEXICO 13. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig, until line, if any) 10. Field and Pool, or Explorators BLANCO MESAVERDE 11. Sec., T., R., M., or Bik. and S. Sac 8 730N R8W Mer NN. SME: BLM 12. Country or Parish SAN JUAN 13. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig, until line, if any) 10.35 Sac 8 730N R8W Mer NN. SME: BLM Sac 8 730N R8W Mer NN. SME: BLM Sac 8 730N R8W Mer NN. SME: BLM 12. Country or Parish SAN JUAN 13. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1400 25. Elevations (Show whether DF, KB, RT, GL, etc. 6362 GL 16. No. of Acres in Lease 17. Spacing Unit dedicated to this lease, ft. 18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 19. Proposed Depth 5739 MD WY2924 21. Elevations (Show whether DF, KB, RT, GL, etc. 6362 GL 19. Proposed Depth 5739 MD WY2924 22. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form: 10. Well plat certified by a registered surveyor. 22. A Drilling Plan. 330.00 340.00 350.00 360.00 370.00 380.00 380.00 380.00 380.00 380.00 380.00 380.00 380.00 380.00 380.00 380.00 380.00 380.00 380.00 380.00 380.00 380.00 380.00		Date	
WAYNE TOWNSEND	WAYNE TOWNSEND		3/10/09
Title O / ' O P (s)	1		
		ease which would entitle the appli	cant to conduct
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	o make to any department or agen	icy of the United
States any false, fictitious or fraudulent statements or represent	ations as to any matter within its jurisdiction.	, ,	•
Additional Operator Pemarks (see next ness)			
Additional Operator Remarks (See flext page)			

Electronic Submission #26225 verified by the BLM Well Information System For BP AMERICA PRODUCTION COMPANY, sent to the Farmington

This uniform 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 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

PO Box 2088, Santa Fe, NM 87504-2088

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

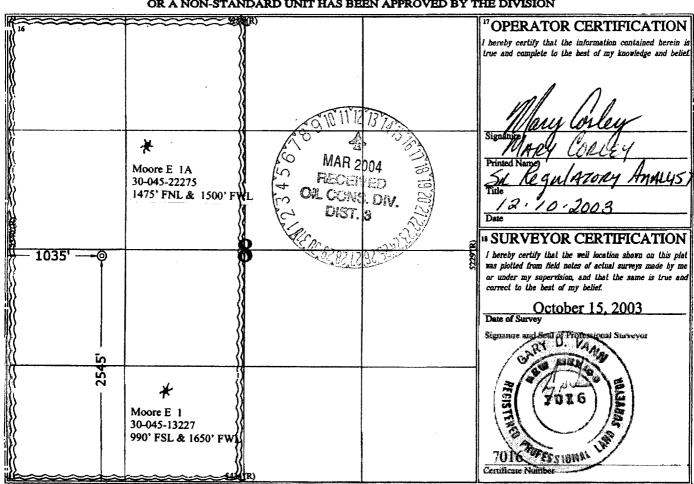
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	API Number	?		¹ Pool Code	Name						
3004	5-3	2073	3 11	319	R	BLANCO M	PESAVERL	E			
Property	Code				f Property				Well Number		
00087	9	N	100re	E					# 1B		
1 OGRID	No.				⁴ Operator	r Name			'Elevation		
000 178 BP AMERICA PRODUCTION COMPANY									6362		
					¹⁰ Surface I	Location					
UL or Lot No.	Section	Township	Range	Lot kin	Feet from the	North/South line	Peet from the	Eust/West line	County		
L	8	30 N	8 W		2545	SOUTH	1035	WEST	SAN JUAN		
			II Dott	om Wale	I contion If	Different From	n Curfoce				

	Bottom Hole Location in Different From Surface										
¹ UL or lot no.	Section	Township	Range	Los Idn	Feet from the	North/South line	Feet from the	East/West line	County		
13 Dedicated Acres	Join	t or Infill	<u></u>	· IS	Order No.		\$		<u> </u>		
200											
320											

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



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

5. Lease Serial No. NMSF078580A

	il. Use form 3160-3 (APL		6. If Indian, Allotte	6. If Indian, Allottee or Tribe Name				
SUBMIT IN TRI	PLICATE - Other instruc	tions on reverse side.	. 7. If Unit or CA/Ag	greement, Name and/or No.				
1. Type of Well			8. Well Name and N	No.				
Oil Well Gas Well Oth			MOORE E 1B					
Name of Operator BP AMERICA PRODUCTION		MARY CORLEY E-Mail: corleyml@bp.com	9. API Well No. 30-045-32073	3-00-X1				
3a. Address P. O. BOX 3092 HOUSTON, TX 77253	'	3b. Phone No. (include area code Ph: 281.366.4491 Fx: 281.366.0700	10. Field and Pool, BLANCO ME					
4. Location of Well (Footage, Sec., T	., R., M., or Survey Description)	11. County or Paris	h, and State				
Sec 8 T30N R8W NWSW Lot 36.49500 N Lat, 107.42300 W			· SAN JUAN C	OUNTY, NM				
12. CHECK APPI	ROPRIATE BOX(ES) TO	INDICATE NATURE OF	NOTICE, REPORT, OR OTH	IER DATA				
TYPE OF SUBMISSION		ТҮРЕ О	F ACTION					
Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off				
Notice of Intent	☐ Alter Casing	Fracture Treat	☐ Reclamation	☐ Well Integrity				
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	Recomplete	Other				
☐ Final Abandonment Notice	Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A PD				
	Convert to Injection	☐ Plug Back	☐ Water Disposal					
Original APD submitted on 12 BP America submits for your well. Please reference attached the subject well with air/ai using approximately 90 CU/F BHST READY MIX CMT.	approval amendements to ed cementing report for de hange, BP request as an ir mist in lieu of drilling mu	o our surface cementing progetailed information. alternate to conventional drill and preset the surface case	ling program to					
14. I hereby certify that the foregoing is	true and correct.	00004						
C	For BP AMERICA	28004 verified by the BLM Well PRODUCTION CO, sent to the	e Farmington					
Name (Printed/Typed) MARY CO	•	ssing by ADR ENNE GARCIA o	DRIZED REPRESENTATIVE					
	· · · · · · · · · · · · · · · · · · ·	7,61170	THE THE TREATMENT OF THE TENT					
Signature (Electronic S	Submission)	Date 02/17/2	2004					
	THIS SPACE FO	R FEDERAL OR STATE	OFFICE USE					
_'	TOWNSEND	Title Act	ing AFM	Date 3/10/09				
Conditions of approval, if any, are attache certify that the applicant holds legal or eq which would entitle the applicant to cond	uitable title to those rights in the uct operations thereon.	e subject lease Office	20					
Title 18 U.S.C. Section 1001 and Title 43	U.S.C. Section 1212, make it a	crime for any person knowingly an	d willfully to make to any departmen	t or agency of the United				

BP AMERICA PRODUCTION COMPANY DRILLING AND COMPLETION PROGRAM

Prospect Name: Moore E

Well No: 1 B

Lease: Moore

Surface Location: 8-30N-8W; 2545 FSL, 1035 FWL

County: San Juan
State: New Mexico

Field: Blanco Mesaverde

Date: December 11, 2003

OBJECTIVE: Drill 400' be	elow the top of		ookout Sandstone	set 2 7/8"	production I	ona strir	na. Stimi	ulate CH	MF a	nd PL inter	rvals	
	HOD OF D											RKEP
TYPE OF TOOLS			DRILLING	^	APPROXIMATE DEPTHS OF GEOLOGICAL MARKER Estimated GL: 6354 Estimated KB: 6368							
		- TD	DIVILLING	\vdash	MARKER		0004	CI				
Rotary					Ojo Alamo					UBSEA TVD		
	OG PROG		DAL		Kirtland				4413 4317			1955 2051
TYPE OPEN HOLE	DE	PTH INVE	RAL		Fruitland				3813	1		2555 2555
None					uitland Coa	.	*		3523			2845
1 Thomas				l l	Pictured Cliffs		*		3221			3147
					wis	1	*		2952			3416
CASED HOLE				CI	iff House	- 1	#		1704			4664
GR-CCL	TD	to 5 1/2" s		enefee	İ	#		1373			4995	
				1	int Lookou ancos	t	#		1029			5339
DEMARKO	DEMARKS							ļ	639	ŀ	,	5729
REMARKS: - Please report any flares	(magnituda (duration\						l				
- Flease report any naies	(magnitude d	x duration)	•	-				ŀ				
				l						1		
				TO	TAL DEP	гн			629			5739
					Probable co		on inter	val	* P	ossible F		
S	PECIAL TE	ESTS			RILL CUT					DRILL		IME
TYPE					REQUENC		EPTH		FRE	QUENC		DEPTH
None		No	ne	P	roductio	n hole	Geol	lograph		0-TD		
REMARKS:												
MUD PROGRAM:												
Approx. Interval	1	ype Mud	Weight	, v	is, sec/qt	W/	L cc's	/30 mir	n 0	Other Sp	ecific	cation
400		V	∣ #/gai		· · · · · · · · · · · · · · · · · · ·	<u> </u>						
0 - 120		Spud	8.6-9.3			.0						
120 - 2795	` '	Vater/LSN			4.4	6> :	-4-61-					
2795 - 5739	1 6	Bas/Air/N2	ziviist voium	e sumcie	ent to mair	ntain a	stable	and ci	ean v	velibore		
REMARKS:	auraana ta l		معام والطيير ام وام م		ا سمالانداد	-41-		:4: d	:-4-4-	. .		
(1) The hole will require	sweeps to	keep unic	aded while ire	sn water	anning. L	et noie	e cona	เนอกร ฉ	ictate	requer	ıcy.	
CASING PROGRAM: (Normally tubu	lor goods of	location letter and	oifian again	a sizon to be	unned	Hala aiz	oo will be		mad by Ca		······································
Casing String	Estimate		Casing Size	Grac	g sizes to be	Weig		es will be łole Si				Cmt, Etc.
Surface/Conductor	Lottinate	120	8 5/8	" V 49	ST&C	242		12.		1	y r., v	onit, Etc.
Intermediate 1		2795	5 1/2		ST&C		.5#	7.8		1,2		
Production		5739	2 7/8		STAC		.5#		75"	3,4		
REMARKS:	l	0100	2110	, 10-00			.011		, 0	U,T		
(1) Circulate Cement to	Surface											
(2) Set casing 50' above		Coal										
(3) Bring cement 100' at												
(4) 100' Overlap												
CORING PROGRAM:											··· -	
None												
COMPLETION PROGR	AM:											
Rigless, 2-3 Stage Limit		draulic Fr	ac									
GENERAL REMARKS:									···········			
Notify BLM/NMOCD 24	hours prior	to Spud. I	BOP testing, a	nd Casin	g and Cer	nentin	g.					
Form 46 Reviewed by:		1: 1			rogram re			N/A	<u></u>		.**	
PREPARED BY:		APPR		993 P	DATE:		y ·					**********
			-		Decemi	oer 11.	2003					
HGJ/MNP/JMP					Version		,					
Form 46 12-00 MNP									*			

BP America Production Company BOP Pressure Testing Requirements

Well Name:

Moore C County: San Juan

State: **New Mexico**

Formation	Estimated TVD/MD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1955		
Fruitland Coal	2845		
PC	3147		·
Lewis Shale	3416		
Cliff House	4664	500	0
Menefee Shale	4995		
Point Lookout	5339	600	0
Mancos	5729		

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

Requested BOP Pressure Test Exception: | 750 psi

SAN JUAN BASIN Mesaverde Formation **Pressure Control Equipment**

Background

The objective Mesaverde 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 rigs 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 Mesaverde. No abnormal temperature, pressure, or H2S anticipated.

Equipment Specification

<u>Interval</u>

BOP Equipment

Below conductor casing to total depth

9", 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 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:	Moore E 1B 08-30N-08W, San Juan New Mexico	2545 FSL, 1035	5 FWL		Field: API No. Well Flac Formation KB Elev (GL Elev. (n: MesaVero est)				
Casing Program:				· ·						
Casing String	Est. Depth	Hole Size	Casing Size	Thread	TOC (ft.)	Stage Too				
Surface	(ft.)	— ^(in.)	(in.) 8 5/8	ST&C	Surface	Or TOL (fi NA	.,			
Intermediate	2795	7 7/8	5 1/2	ST&C	Surface	NA NA				
Production -	5739	4 3/4	2 7/8	0.00	2695	NA				
Casing Propertie	s:	(No Safety	Factor Included)			····				
Casing String	Size	Weight	Grade	Burst	Collapse	Joint St.	Ca	apacity	Drift	
	(in.)	(lb/ft)		(psi.)	(psi.)	(1000 lbs.		bl/ft.)	(in.)	
Surface			24 X42	2950		1370	244	0.06368		7.972
Intermediate			.5 J55	4810		4040	202	0.0238		5.067
Production -	2	7/8 6	.5 J-55	7264	1	7676	72	0.00579		2.375
Mud Program										
Apx. Interval (ft.)	Mud Type	Mud Weigh	t .	Recomm	ended Mud	Properties Prio C	ementing	<u>r</u>		
0 - SCP	Water/Spud	8.6-9	.2	Fluid Los	ss <6					
SCP - ICP	Water/LSND	8.6-9	.2							
ICP - TD	Gas/Air Mist	<u></u>	<u>IA</u>							
Cementing Progra	ım:									
Cernenting Frogra			Surface		Interme	ediate		Production		
Excess %, Lead			100		100		•	40		
Excess %, Tail			NA		0			40		
BHST (est deg. F))		72		11	0		159		
Time Between Sta	ages, (hr)		NA		N/	4		NA		
Special Instruction			1,6		1,6	6		2,6		
		h pumps and lin	es.							
	2. Wash pump									
	Reverse ou	ιτ Test on Cement								
			d Density on 3.5"	diek						
			pressurized mud							
			ent is not circulat							
	8. If cement is	not circulated t	o surface, run ter	np. survey 1	0-12 hr. aft	er landing plug.				
			· · · · · · · · · · · · · · · · · · ·							
Surface:								T.		-
Surface.	Preflush		20 bbl.	FreshWa	ater			10	2	
	Slurry 1	ŧ	30 sx Class C Ce	ment				.95	cuft	
•	TOC@Surface		+ 2% CaCl (ad							
	-				e (lost circu	ulation additive)		0.3961	cuft/ft	ОН
			0.1% D46 anti	•	,	,			% exce	
Slurry Properties:		Density		Yield		Water				
• •		(lb/gal)		(#2/ck)		(aal/ak)				

Intermediate:

Slurry 1

(ft3/sk)

(gal/sk)

5.8

(lb/gal)

15.2

Cementing Program

Fresh Water 20 bbl fresh water 783 300 sx Class "G" Cement 778 cuft Lead Slurry 1 + 3% D79 extender TOC@Surface +1/4 #/sk. Cellophane Flake + 0.1% D46 antifoam' 70 sx 50/50 Class "G"/Poz Tail + 2% gel (extender) 87 cuft Slurry 2 0.1% D46 antifoam 500 ft fill +1/4 #/sk. Cellophane Flake 0.1733 cuft/ft OH + 2% S1 Calcium Chloride 0.2009 cuft/ft csg ann 80 % excess Slurry Properties: Density Yield Water (lb/gal) (ft3/sk) (gal/sk) Slurry 1 11.7 2.61 17.77 Slurry 2 13.5 1.27 5.72 Production: Fresh Water 10 bbl CW100 140 LiteCrete D961 / D124 / D154 Slurry + 0.03 gps D47 antifoam + 0.5% D112 fluid loss TOC 200 ft in 5 1/2" + 0.11% D65 TIC

Yield

(ft3/sk)

2.52

Water

(gal/sk)

6.38

Slurry Properties:

Slurry

Density

(lb/gal)

9.5

0.078 cuft/ft OH

40 % excess

0.0886 cuft/ft csg ann