UNITED STATES DEPARTMENT OF THE INTERPOLATION OF THE AND MANGE	MENT	TOTAL AND	6	OMB No. Expires Nove	PPROVED 1004-0136 mber 30, 2000 NMSF - 93313
APPLICATION OFOR PERMIT TO DRI	LL OR REENE I	UU 11 PM Receives	1 34 6.	Lease Serial No. If Indian, Allottee or tril	NM
la. Type of Work: DRILL RE	ENTER 07	O FARMINGT		If Unit or CA Agreemer	
lb. Type of Well: Oil Well Gas Well Gas Other	Singl	e Zone 🔲 Multiple Z		Lease Name and Well Nantic BLS 8M	
2. Name of Operator BP AMERICA PRODUCTION COMPANY			9.	API Well No.	33377
P.O. BOX 3092 HOUSTON, TX 77079-2064 28	Phone No. (incl			Field and Pool, or Explosin Dakota & Bl	oratory anco Mesaverde
4. Loction of Well (Report location clearly and in accordance w At surface 1700' FSL & 1895' FWL NESW At proposed prod. Zone 2200' FSL & 1960' FWL		uirements.*)	i	Sec., T., R., M., or Blk, CTION 3 T30N	•
14. Distance in miles and direction from nearest town or post office 10.3 MILES EAST FROM AZTEC, NM			i	County or Parish N JUAN	13. State NEW MEXICO
15. Distance from proposed* Location to nearest Property or lease line, ft. (Also to nearest drig. Ujnit line, if any) 680'	16. No. 326	o. of Acres in lease	17. Spac 32 6 • 4	ing Unit dedicated to this	s well
* 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Pr 7732'	oposed Depth	20. BLM WY292	I/BIA Bond No. on file	•
21. Elevations (show whether DF, KDB., RT, GL, etc. 6364' GL	22. A	pproximate date work v /06	vill start*	23. Estimated durat	tion
	24. A	ttachments		· · · · · · · · · · · · · · · ·	
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National forest SUPO shall be filed with the appropriate Forest Service Office 	system Lands, th	4. Bond to cove 20 above). 5. Operator cert	er the operation ification. site specific	ons unless covered by an	existing bond on file (see Item
	ne (<i>Printed/typed,</i> n erry Hlava		;	Date 10/06/2005	
Regulatory Analyst					
_ lwale	inted/Typed)			Date 1/2	3/06
Title Office Office					~~~~~
Application approval dods not warrant or certify the applicant holds Operations thereon. Conditions of approval, if any, are attached.	legal or equitable	title to those rights in (he subject lea	se which would entitle the	ne applicantly conducts
Title 18 U.S.C. Section 1001 and title 43 U.S.C. Section 1212, make any false, fictitious or fraudulent statements or representations as to	any matter within	its jurisdiction.		9	or agency of the third States
*(Instructions on reverse)	104 FOR_	<u>Nive</u> ction	1800	vey si	DIST. 3 DV. A.
				DODAGO	n

NMOCD

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

PO Box 2088, Santa Fc, 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

WELL LOCATION AND ACREAGE DEDICATION PLAT

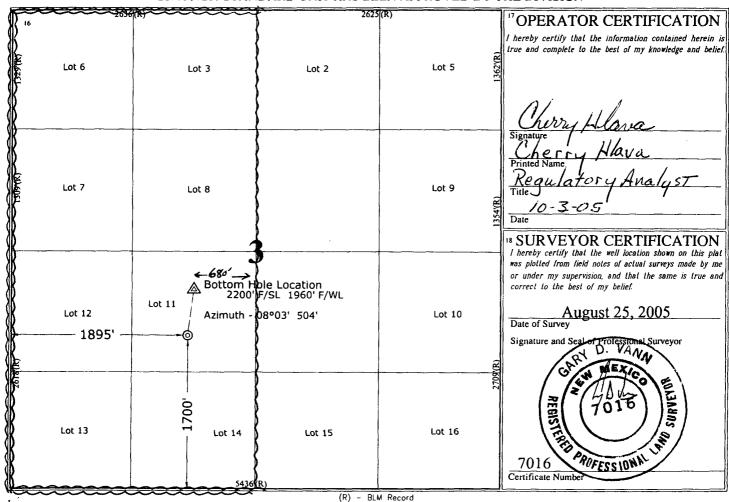
30-045-3		Pool Name Blanco Me	saverde	
Property Code	³ Property Name		⁶ Well Number	
000282 /	Atlantic B LS	/	# 8M	
OGRID No.	* Operator Name		⁹ Elevation	
000778 /	BP AMERICA PRODUCTION COMPANY		6364	

Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	ı
K (Lot 11)	3	30 N	10 W		1700	SOUTH	1895	WEST	SAN JUAN	
			" Bott	om Hole	Location If	Different Fron	n Surface			

' UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K (Lot 11)	3	30 N	10 W		2200	SOUTH	1960	WEST	SAN JUAN
12 Dedicated Acres	¹³ Join	or Infill 14	Consolidatio	n Code 15	Order No.				
325.94									

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

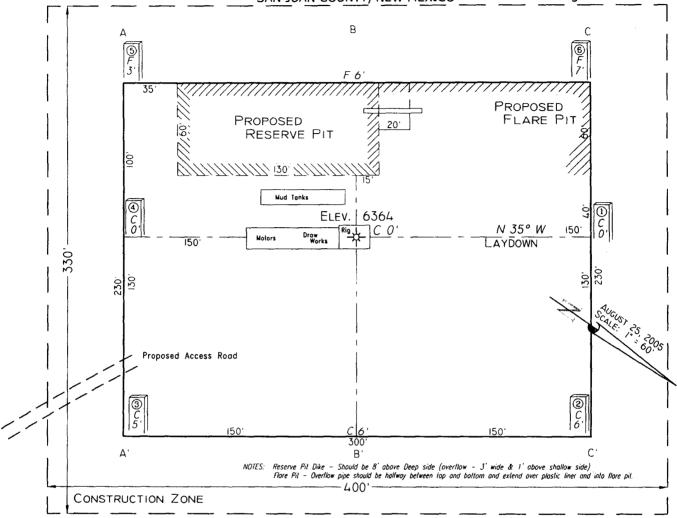


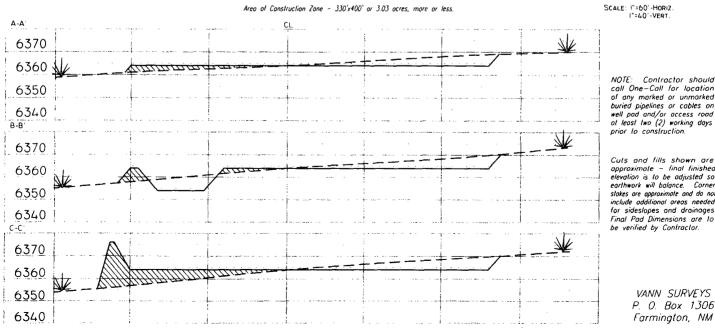
PAD LAYOUT PLAN & PROFILE BP AMERICA PRODUCTION COMPANY

Atlantic B LS #8M 1700' F/SL 1895' F/WL SEC. 3, T30N, R10W, N.M.P.M. SAN JUAN COUNTY, NEW MEXICO

36.8381° Lat: 107.8728° Long:

36°50'17" 107°52'22" Long:





NOTE: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction.

Cuts and fills shown are approximate - final finished elevation is to be adjusted so earthwork will balance. Corner stakes are approximate and do not include additional areas needed for sideslopes and drainages. Final Pad Dimensions are to be verified by Contractor.

> VANN SURVEYS P. O. Box 1306 Farmington, NM

											
,				RICA PRO	MPLETION						
				· · · · · · · · · · · · · · · · · · ·	7/2005						···
Lease:	Atlantic B L	.S		ame & No. Atlan					Blanco Mes	averde/Ba	sin Dakota
County:	San Juan,	New Mexico	Surface	Location: 3-30		'FSL, 18					
Minerals:	State				36.8379830 deg						
Rig:	Aztec 184			Location: 3-30						Long: -10	7.8719666 deg
OBJECTIVE:	Drill 270' b	elow the top of th	e Two Wells M	br, set 4-1/2" prod		A					
	N	ETHOD OF DRI	LLING		Al	PROXI	MATE	DEPTHS OF			
TYPE	OF TOOLS		DEPTH OF [DRILLING	Actual G	iL: 63	364		Estimated	KB: 6,378	
<u>.</u>	Rotary		0 - T	D	Marker			SUBSEA	<u> </u>	TVD	APPROX. MD
		LOG PROGRA			Ojo Alamo			4,704'	1	1,674'	1,693'
Туре			Depth Interva	<u> </u>	Kirtland		Ll	4,586'		1,792'	1,813'
Single F	Run				Fruitland		*	3,837'		2,541'	2,574'
					Fruitland Coal			3,564'		2,814'	2,851'
					Pictured Cliffs			3,323'		3,055'	3,095'
					Lewis			3,116'		3,262'	3,304'
Cased H					Cliff House		#	1,793'		4,585'	4,628'
RST- C	RL		TD to 7" shoe		Menefee		#	1,483'		4,895'	4,938'
EMARKS		iden	tify 4 ½" cemer	nt top	Point Lookout		#	1,083'		5,295'	5,338'
REMARKS:	nd TD 4== 11	s well can be no	& author are are at an	an the	Mancos		┥	773'		5,605'	5,648'
ne recomment ecommended f		s well can be no	iuriner east ma	ui uie	Greenhorn Graneros (ben	t mks\		-937' -992'		7,315' 7,370'	7,358'
ecommended r Report all flares	<u>_</u>				Two Wells	LITIKT)	#	-992 ⁻ -1,041 ⁻		7,370' 7,419'	7,413'
report an nares	•				Paguate		+ "	-1,136'		7,419 7,514'	7,557'
he recommen	ded TD is in	tended to nenetr	ate the upporm	ost BRCN (~10')	Cubero		#	-1,176'		7,514 7,554'	7,597'
		n be produced. (L. Cubero		"	-1,202'		7,580'	7,623'
				e attached cross-			#	-1,236'		7,614'	7,657
		drilled into MRS			anomai syn			1,			
					TOTAL DE	PTH:		-1,311'		7,689'	7,732'
					# Probable co		interv	al		* Possible	Pav
PECIAL TEST	s				DRILL C					DRILLING	
YPE					FREQUE			DEPTH	FREQU	JENCY	DEPTH
None					30'/10' inte		3,4	04' to TD		graph	0 - TD
REMARKS:							<u> </u>				
MUD PROGRA					.1						
Interval	TypeMu			is, sec/qt	/30 min			Othe	r Specific	ation	
286,571				ent to clean hole.							
3,404'	Water/LS			-	<9			hole while v			
7,732'	Air	1	1000	cfm for hammer		Volu	ıme su	fficient to m	aintain a st	able and c	lean wellbore
ASING PROG											
CasingSt		Depth	Size	Casing Size	Grade, Thre		eight	Landing	Point		Cement
Surface/Conduc	ctor	300 at	13 1/2"	9-5/8"	H-40 ST&C		32#				nt to surface
ntermediate 1		3,404'	8-3/4"	7"	J/K-55 ST8		20#	100' belo			nt to surface
Production		7,732'	6-1/4"	4-1/2"	P-110	1	1.6#	DK	<u>זכ</u>		ide Intermediate
ORING PROC	DAM:		<u> </u>		<u> </u>			L		TOC	survey required
	oram:										
	7777										
lone			rac EMC III	head							
one OMPLETION			iau, FIVIC UNII	icau							
lone COMPLETION Rigless, 2-3 Sta	age Limited	Entry Hydraulic r			ementing						
one OMPLETION tigless, 2-3 Sta ENERAL REI	age Limited MARKS:		BOP testing	ind Casing and C	varioriumy.						
one OMPLETION ligless, 2-3 Sta ENERAL REF lotify BLM/NM	age Limited MARKS: OCD 24 hou	ırs prior to Spud,	BOP testing, a	and Casing and C							
ONPLETION igless, 2-3 Sta ENERAL REP lotify BLM/NM OP Pressure	age Limited MARKS: OCD 24 hor Testing Re	rs prior to Spud,					1	<u> </u>	0.1		
OMPLETION Rigless, 2-3 Sta SENERAL REF Lotify BLM/NM BOP Pressure Format	age Limited MARKS: OCD 24 hor Testing Re	rs prior to Spud, quirements Depth		nticipated botto	m hole pressu	re		Max ar	ticipated		ressure**
ione COMPLETION Rigless, 2-3 State ENERAL REP Lotify BLM/NM BOP Pressure Format Cliffho	age Limited MARKS: OCD 24 hor Testing Retion	urs prior to Spud, quirements Depth 4,585		nticipated botto	m hole pressu 0	re		Max ar		0	ressure**
OMPLETION Rigless, 2-3 Sta SENERAL REF Lotify BLM/NM BOP Pressure Format	age Limited MARKS: OCD 24 hor Testing Retion	rs prior to Spud, quirements Depth		nticipated botto	m hole pressu 0	re		Max ar			ressure**
OMPLETION ligless, 2-3 State ENERAL REP lotify BLM/NM OP Pressure Format Cliffho	age Limited MARKS: OCD 24 hor Testing Region use	urs prior to Spud, quirements Depth 4,585		nticipated botto	m hole pressu 0	re		Max ar		0	ressure**
completion igless, 2-3 Sta ENERAL REF lotify BLM/NM BOP Pressure Format Cliffho Point Loc	age Limited MARKS: OCD 24 hor Testing Resion use bkout	rs prior to Spud, quirements Depth 4,585' 5,295'	A	inticipated botto 50 60 260	m hole pressu 0		the fol		96	0 0 7.82	
COMPLETION Rigless, 2-3 Sta SENERAL REI Notify BLM/NM BOP Pressure Format Cliffho Point Loc Dako Reque	age Limited MARKS: OCD 24 hor Testing Resion use blookout ta ssted BOP F wed by:	rs prior to Spud, quirements Depth 4,585' 5,295' 7,419' Pressure Test Ex	A	solution of the state of the st	m hole pressu 0 0		the fol		96	0 0 7.82	
COMPLETION Rigless, 2-3 Sta GENERAL REI Notify BLM/NM GOP Pressure Format Cliffho Point Loo Dako Reque Form 46 Revieue PREPARED BY	age Limited MARKS: OCD 24 hor Testing Region use blookout ta ested BOP F wed by: f:	rs prior to Spud, quirements Depth 4,585' 5,295' 7,419' Pressure Test Ex	ception = 1500	psi * Nerviewed by:	m hole pressu 0 0 0 0 Note: Determine		the fol	lowing formu	96	0 0 7.82	
COMPLETION Rigless, 2-3 Sta SENERAL REI Hotify BLM/NM BOP Pressure Format Cliffho Point Loc Dako Reque	age Limited MARKS: OCD 24 hou Testing Region use bekout ta ested BOP F wed by: f: JJMP	rs prior to Spud, quirements Depth 4,585' 5,295' 7,419' Pressure Test Ex	ception = 1500	psi * Nerviewed by:	m hole pressu 0 0 0 Note: Determine	ed using	the fol	lowing formu	96 Ila: ABHP	0 0 7.82	D) = ASP

Cementing Program

Well Name: _ocation:	Atlantic B LS #8N 3-30N-10W: 17	″ 700' FSL, 189	5' FWL							
County:	San Juan	700 F3L, 109	O T WIL		Well Flac					
State:	New Mexico				Formation	١٠	Blanco Mesave	erde/Basin Dak	ota	
Jidio.	TTOW INCARCO				KB Elev (6378		0.0	
					GL Elev. (•	6364			
Casing Program:										
Casing String	Est. Depth	Hole Size	Casing Size	Thread	TOC		Stage Tool	Cmt Cir. Out		
	(ft.) 214	(in.)	(in.)		(ft.)		Or TOL (ft.)	(bbl.)		
Surface	200	13.5	9.625	ST&C	Surface		NA			
ntermediate	3404	8.75	7	45 4 T&C	Surface		NA			
Production -	7732	6.25	4.5	ST&C	3304		NA			
Casing Propertie Casing String	s: Size	(No Safety F	actor Included Grade) Burst	Collapse		Joint St.	Capacity	Drift	
Casing Sung	(in.)	(lb/ft)	Grade	(psi.)	(psi.)		(1000 lbs.)	(bbl/ft.)	(in.)	
Surface	9.625		2 H-40	(psi.) 2270		1400	254		(111.)	8.84
Intermediate	9.023 7) K-55	3740		2270	. 1	_		6.45
Production -	4.5		i J-55	5350		4960	254/234			3.87
	7.0			0000		.500	,,,	5.0,00		J. J .
Mud Program										
Apx. Interval	Mud Type	Mud Weight		Recomm	ended Mud	d Prope	rties Prio Ceme	enting:		
(ft.)				PV	<20					
				ΥP	<10					
0 - SCP	Water/Spud	8.6-9.2		Fluid Los	s: <15					
SCP - ICP	Water/LSND	8.6-9.2								
ICP - ICP2	Gas/Air Mist	N/	-							
ICP2 - TD	TSND	8.6 - 9.2	2							
Cementing Progra	ım:		Surface		Interme	odiata		Production		
Excess %, Lead			100		75			40		
Excess %, Tail			NA		0			40		
BHST (est deg. F	1		75		12			183		
Special Instruction			1,6,7		1,6			2,4,6		
	1. Do not wash p	oumps and lin						_, ,		
	2. Wash pumps	•								
	3. Reverse out									
	4. Run Blend Te	st on Cement								
	5. Record Rate,	Pressure, and	Density on 3	.5" disk						
	6. Confirm densi	tometer with (oressurized m	ud scales						
	7. 1" cement to s									
	8. If cement is no							===		
Notes:	*Do not wash up	on top of plu	g. wash lines	before displa	cing produc	ction ce	ment job to min	mize aniiout.		
Surface:	Preflush		20 bbl.	FreshWa	ator					
	Slurry 1	46	20 bbi. 4 sx Class C (at C I			105	cuft	
	TOC@Surface	13						130	Cuit	
	, oceasunace		+ 270 UaUIZ	(accelerator)				0.4007	' cuft/ft	OH.
Slurry Properties:		Density		Yield			Water	0.4087	Cultil	ОП
Gianty Froperties:		•								
	Slurry 1	(lb/gal) 15.	3	(ft3/sk) 1.2	7		(gal/sk) 5.i	0		
Casina Eaulaman	•			1.2	1		5.0	О		
Casing Equipmer	ι.	9-5/8", 8R, 9								
		1 Guide Sho								
		1 Top Wood	•							
			ert float valve							
			, 1 per joint ex	cept top joint						
		1 Stop Ring								
			ck Compound							

Cementing Program

Intermediate:						· 1 1 5	
	Fresh Water	20) bbl	fresh water			
	Lead		284	4 sx Class "G" C	ement		746 cuft
	Slurry 1			+ 3% D79 exter	nder		
	TOC@Surface			+1/4 #/sk. Cello	phane Flake		
				+ 5 lb/sk Gilsor	•		
	Tail		5	9 sx 50/50 Class			75 cuft
	Slurry 2		_	+ 2% gel (exter			
		O ft fill		+1/4 #/sk. Cello		•	0.1503 cuft/ft OH
				+ 2% CaCl2 (a	•		0.1746 cuft/ft csg ann
				+ 5 lb/sk Gilsor	•		Ç
Slurry Properties:		Density		Yield	Wat	er	
,		(lb/gal)		(ft3/sk)	(gal/	sk)	
Slurry 1		11.4		2.63	(5	, 15.8	
Slurry 2		13.5		1.27		5.72	
Casing Equipment	•	7", 8R, ST&C		,			
Sconig Equipmon	•		utofill with mir	nimal LCM in mu	4)		
		•		nimal LCM in mu	-		
		1 Stop Ring	20101111 11111		۵,		
			ne in middle o	f first joint, then e	very third collar		
		1 Top Rubber F		51 joining whom o	,		
		1 Thread Lock	-				
		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Production:							
	Fresh Water	1	0 bbl	CW100			
	Lead		18	2 LiteCrete D961	/ D124 / D154		460 cuft
	Slurry 1			+ 0.03 gps D47			
	TOC, 400' abov	e 7" shoe		+ 0.5% D112 f			
	100, 400 000	0 / 3//00		+ 0.11% D65 T			
	Tail		15	8 sx 50/50 Class	-		228 cuft
			15				220 Cuit
	Slurry 2	4.6.50		+ 5% D20 gel			
	158	4 ft fill		+ 0.1% D46 ar			
				+ 1/4 #/sk. Cel	•		
				+ 0.25% D167	Fluid Loss		
				+ 5 lb/sk Gilso	nite		
				+0.1% d800, re	etarder		
				+0.15% D65, c	lispersant		
							0.1026 cuft/ft OH
Slurry Properties:		Density		Yield	Wa	ter	
		(lb/gal)		(ft3/sk)	(gal	/sk)	0.1169 cuft/ft csg and
Slurry 1		9.5		2.52		6.38	•
Slurry 2		13		1.44	•	6.5	Top of Mancos
•				•		-	5648
Casing Equipmen	t:	4-1/2", 8R, ST	3C				
J = 45.F				nimal LCM in mu	d)		
				inimal LCM in mu			
		`	autoiiii Wit fi M	minimai ECIVI III MI	ш)		
		1 Stop Ring					
				n mud drilled hol	es, none in air dri	iied holes	
		1 Top Rubber	Pluq				
		1 Thread Lock	_				

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 $\frac{1}{2}$ " 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.

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 single 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

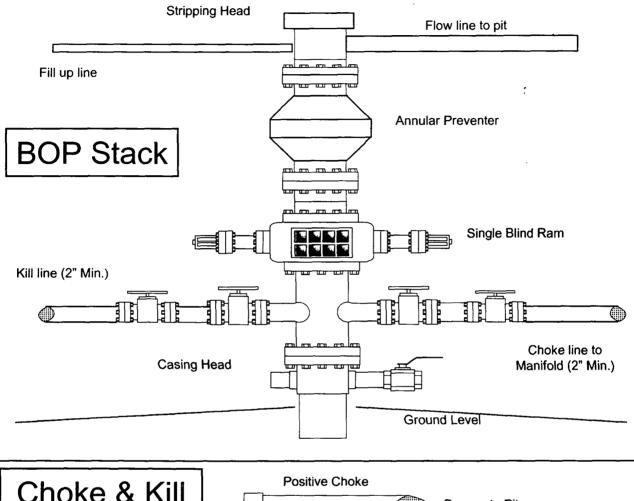
BOP Equipment

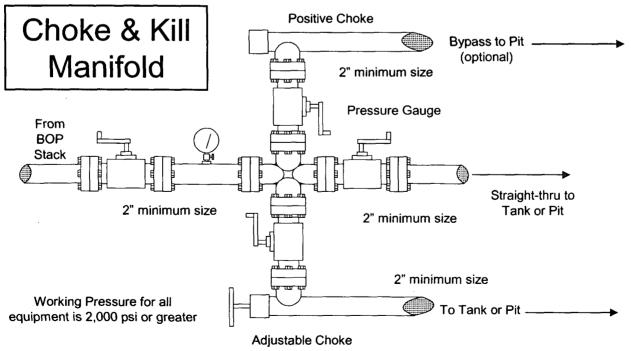
Below conductor casing to total depth 11" nominal or 7 1/16", 2000 psi Single ram preventer with 3000 psi annular preventer and rotating head. All ram type and annular preventers as well as related control equipment will be hydraulically tested to 250 psi (low pressure) and 1500 psi (high pressure), upon installation, following any repairs or equipment replacements, or at 30 day intervals. Accessories to BQP 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.

BP American Production Company

Well Control Equipment Schematic







Additional Operator Remarks Atlantic B LS 8M APD

NOTICE OF STAKING WAS SUBMITTED ON 9/6/05

BP America Production Company respectfully requests permission to directional drill the subject well to a total depth of approximately 7732' MD & 7689' TVD. Complete in the Basin Dakota Pool, isolate the Dakota; complete into the Blanco Mesaverde, establish a production rate; drill out the bridge plug and commingle production downhole.

Application for Downhole Commingling authority (NMOCD order R-11363) will be submitted to all appropriate for approval after Permit to Drill has been approved.

If terrain allows 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.

SUPPLEMENTAL TO SURFACE USE PLAN

New Facilities:

A 4.5" diameter buried steel pipeline that is +/- 600 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 Field Services.

APD/ROW

C. HARRADEN/ October 13, 2005 CM

BP AMERICA PROD. CO./ Atlantic B LS #8M

STIPULATION/CONDITION OF APPROVAL

This well is located in an area where the San Jose fresh water aquifer is shallow. In order to protect the integrity of this aquifer, a minimum surface csg. depth of 276' is stipulated as a condition of approval for this APD.



Field: SAN JUAN, New Mexico Site: SEC3-T30N-R10W Well: Atlantic B LS #8M Wellpath: OH Plan: Plan #1



					SECTION	DETAILS				
S	ec MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1 2	0.00 300.00	0.00 0.00	0.00 0.00	0.00 300.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	
3 4	643.04 2851.37	10.29 10.29	7.41 7.41	641.20 2814.00	30.47 421.70	3.96 54.84	3.00 0.00	7.41 0.00	30.73 425.25	Fruitland coal
5 6	3404.35 3563.06	4.76 0.00	7.41 0.00	3362.00 3520.53	493.49 500.03	64.18 65.03	1.00 3.00	180.00 180.00	497.65 504.24	casing pt.
7	7731.53	0.00	0.00	7689.00	500.03	65.03	0.00	0.00	504.24	PBHL

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Fruitland coal	2814.00	421.70	54.84	2124776.49	2711775.09	Point
casing pt.	3362.00	493.49	64.18	2124848.27	2711784.43	Point
PBHL	7689.00	500.00	65.00	2124854.78	2711785.25	Point

			DETAILS							
Name	+N/-S +E/-W	Northing	Eas	ting	Latitude	e L	ongitude	Slot		
Atlantic B LS #8M	0.00 0.00	2124354.82	271172	0.26	36°50'16.7381	1 107°52	19.962W	N/A		
0 0 0 9 5/8" kop										
1641	00 MD Start Build 3.00 Start Hold	800								
1 : : : : N : : :	O ALAMO	700								
1500 KIRT	AND	600								
2500	RUITLAND MD Start DLS 1.00 TFO 180.	500								
2814 425 Fruit	PICTURED CLIFFS	300					7689 3190			
3750 1500 170 150	0 3563 MD Start Hold	South(+) [200ft/in]				7	2000 2000 2740 2620	Fruitland o	coal	
4000 Htd.		÷ 300				+	2500 FRUIT	LAND		
4500 4500 MENEFE	LIFF HOUSE	N/(-) 4 200				70	KIRTLANI	 		
9 5250 POINT	LOOKOUT	South				1	OJO ALAN	10		
6000 6000	COS	100-								
6500	GREENHORN GRANEROS	0-]					<u> </u>	
6750	L. CUBERO ENCINAL CYN	-100				kop				ļ
7500 7689 504 7732	0° 7732 MD TD]							
8250	[FORL]	-200								
-750 0 750	1500 2250	-300	300 -2	00	-100) 1	00 2	00 3	300 4	100
Vertical Section at	7.41° [1500ft/in]				Wes	st(-)/East	(+) [200ft	/in]		



Scientific Drilling Planning Report

Plan:



Company: BP

SAN JUAN, New Mexico

Well: Wellpath:

SEC3-T30N-R10W

Atlantic B LS #8M OH

Date: 9/20/2005

Time: 20:33:25

Co-ordinate(NE) Reference: Well: Atlantic B LS #8M, Grid North

Vertical (TVD) Reference: SITE 6378.0

Section (VS) Reference:

Well (0.00N,0.00E,7.41Azi)

Plan #1

Field:

Site:

SAN JUAN, New Mexico

SAN JUAN COUNTY, NEW MEXICO

USA

Map System: US State Plane Coordinate System 1983

Geo Datum: GRS 1980 Sys Datum: Mean Sea Level Map Zone:

New Mexico, Western Zone

Coordinate System: Geomagnetic Model: Well Centre bggm2005

Site:

SEC3-T30N-R10W

SAN JUA NEW MEXICO

Site Position: From:

Lease Line

Northing: Easting:

ft Latitude: Longitude:

North Reference:

Grid

Position Uncertainty: **Ground Level:**

0.00 ft 6364.00 ft

Grid Convergence: Slot Name:

-0.02 deg

Well: Atlantic B LS #8M

Well Position:

0.00 ft Northing: 2124354.82 ft Easting: 2711720.26 ft Latitude: Longitude:

16.738 N 36 50

+E/-W **Position Uncertainty:**

0.00 ft 0.00 ft

107 52 19.962 W

Wellpath: OH

9/20/2005

Drilled From: Tie-on Depth: Surface

0.00 ft

Current Datum: Magnetic Data: Field Strength:

Plan:

Principal:

+N/-S

Height 6378.00 ft

Above System Datum:

Mean Sea Level

Declination: Mag Dip Angle:

10.69 deg 63.70 deg

51417 nT Vertical Section: Depth From (TVD) +N/-S ft

+E/-W ft 0.00

Direction deg

0.00

0.00

7.41

Yes

Plan #1

Date Composed:

9/20/2005

Version: Tied-to:

From Surface

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
643.04	10.29	7.41	641.20	30.47	3.96	3.00	3.00	0.00	7.41	
2851.37	10.29	7.41	2814.00	421.70	54.84	0.00	0.00	0.00	0.00	Fruitland coal
3404.35	4.76	7.41	3362.00	493.49	64.18	1.00	-1.00	0.00	180.00	casing pt.
3563.06	0.00	0.00	3520.53	500.03	65.03	3.00	-3.00	-4.67	180.00	<u>.</u>
7731.53	0.00	0.00	7689.00	500.03	65.03	0.00	0.00	0.00	0.00	PBHL

Section 1: Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 2: Start Build 3.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	
400.00	3.00	7.41	399.95	2.60	0.34	2.62	3.00	3.00	0.00	0.00	
500.00	6.00	7.41	499.63	10.38	1.35	10.46	3.00	3.00	0.00	0.00	
600.00	9.00	7.41	598.77	23.32	3.03	23.51	3.00	3.00	0.00	0.00	
643.04	10.29	7.41	641.20	30.47	3.96	30.73	3.00	3.00	0.00	0.00	