RCVD JAN5'07

UNITED STATES DEPARTMENT OF THE INT		FORM APPROVED OMB No. 1004-0136 Expires November 30, 2000 5. Lease Serial No. SF- 078202					
BUREAU OF LAND MANG APPLICATION OFOR PERMIT TO DR							
	and the second of		6. If Indian, Allottee or tri	be Name			
la. Type of Work: DRILL RI	EENTER		7. If Unit or CA Agreemen	nt, Name and No			
1b. Type of Well: Oil Well Gas Well Gas Other	8. Lease Name and Well No.						
	Single Zone Multi	ple Zone	Schoen LS 2E	•			
2. Name of Operator BP AMERICA PRODUCTION COMPANY			9. API Well No. 30 -045	-34050			
3a. Address 38	-	10. Field and Pool, or Exploratory					
P.O. BOX 3092 HOUSTON, TX 77079-2064		Basin Dakota & Bl	•				
4. Loction of Well (Report location clearly and in accordance)	vith any State requirements.*)		11. Sec., T., R., M., or Blk,	and survey or Area			
At surface 1095' FNL & 880' FWL NWNW	· 4.		SECTION 27 T30!	N & R10W			
At proposed prod. Zone SAME	fit	4					
14. Distance in miles and direction from nearest town or post office	1	12. County or Parish SAN JUAN	13. State NEW MEXICO				
15. Distance from proposed*	8.1 MILES SOUTHEAST FROM AZTEC, NM 15. Distance from proceed*						
Location to nearest	16. No. of Acres in lease 317.28	317.	Spacing Unit dedicated to this	s well			
Property or lease line, ft. (Also to nearest drig. Ujnit line, if any) 880'	317.26	317.	28 W/J				
18. Distance from proposed location*	20.	BLM/BIA Bond No. on file					
to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 7362' MD	l l	Y2924				
21. Elevations (show whether DF, KDB., RT, GL, etc.	22. Approximate date we	ork will start*	23. Estimated dura	tion			
6203' GL	05/01/07		7 DAYS				
	24. Attachments						
 The following, completed in accordance with the requirements of O 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, the System Lands	cover the ope). certification.	erations unless covered by an	existing bond on file (see Item			
25. Signature Nai		Date					
7,000	ristina Hurts		10/31/06				
Title Pagulatory Analyst							
Approved by (Signature) Approved Signature Name (Pr	rinted/Typed)		Date	-107			
Title Office							
Application approval does not warrant or certify the applicant holds	legal or equitable title to those right	s in the subject	ct lease which would entitle the	he applicant to conduct			
Operations thereon. Conditions of approval, if any, are attached.				27			
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		and willfull	y to make to any department	or agency of the United States			
*(Instructions on reverse)							
4 7.	1/						
3/ 3	V						

COLOR OPERATIONS AUTHORIZED ARE
COLOR OF FO COME LINE OF WITH ATTACHED
CLUSHRAL REDUCTOLEMES*.

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 Fe, NM 87504-2088

District IV

State of New Mexico Energy, Minerals & Natural Resources Department

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

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

Fee Lease - 3 Copies

2003 NOU2006 PUG 2 PS AMENDED REPORT

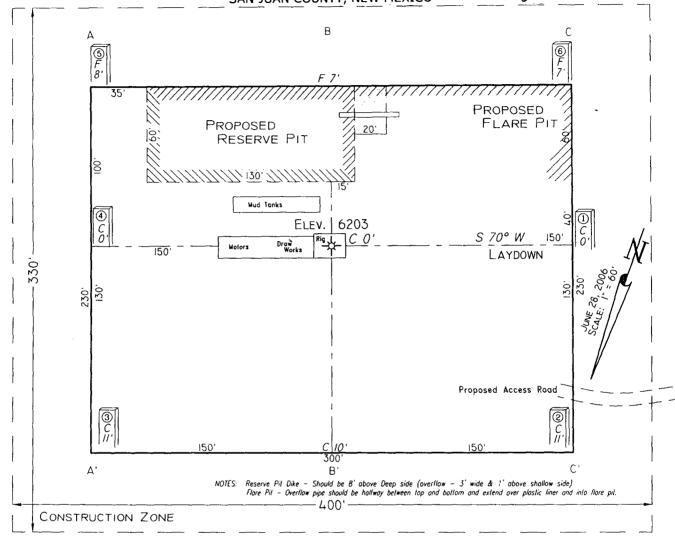
		WE	ELL LO	CATION	AND A	ACREA	AGE DEDI	RE(CATIO	DENTED ON PLA	T 114				
30-049	API Number 5- 341	050	115	² Pool Code	7319	Bas	sin Dal	cota	EB1	ame	M	saverde		
00/028	_ [Schoen	LS		Property Na						Well Number # 2E		
778	3	I	BP AMI	ERICA		Operator Na UCTIO	TION COMPANY					6203		
					10 Surfa	ace Lo	cation							
UL or Lot No.	Section	Township	Range	Lot Idn	Feet from		North/South line	Fee			line	County		
Lot 4 (D)	27	30 N	10 W		109	5	NORTH		880	WE	ST	SAN JUAN		
		,			Location	on If D	ifferent Fro							
⁷ UL or lot no.	Section	Township	Range	Lot Idn	Feet from	n the	North/South line	Fec	t from the	East/Wes	t line	County		
Dedicated Acres	s ¹³ Join	or Infill (4	Consolidation	n Code 15 (Order No.					10 95 10				
NO ALLOV	VABLE										EN CC	NSOLIDATED		
		OR A		ANDARD	UNITH	AS BEE	EN APPROVE	EDBY						
Lot 4	— 1095' —		Lot 3		Lot 2		Lot 1		I hereby ce	rtify that th	e informa	TIFICATION ation contained herein is my knowledge and belief.		
880' Lot 5			Lot 6	27	Lot 7		Lot 8	8				Analyst CTIFICATION ration shown on this plat		
52.75 Lot 1	2	ţ	ot 11.		Lot 10		Lot 9	5758	was plotted or under i correct to Date of Si Signature	from field none supervision the best of June	otes of ac n, and th my belief 28, 2	tual surveys made by me at the same is true and 2006		
Lot 13	2607		_ot 14		Lot 15	2624'(1	Lot 16	5	11 /	OFFICE TEACH	016	THE SURVEYER		

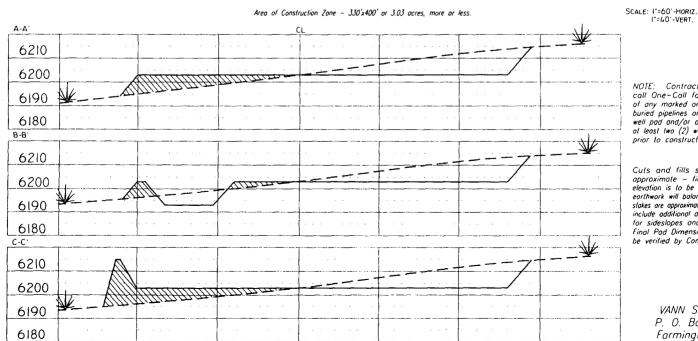
Submit 3 Copies To Appropriate District Office		New Mex			Form C-103
District I	Energy, Minerals	and Natur	al Resources	WELL APINO 2	May 27, 2004 30-045-34050
1625 N. French Dr., Hobbs, NM 88240 District II	OIL CONSERV	ZATION	DIVISION		1604/WAARB
1301 W. Grand Ave., Artesia, NM 88210 District III	1220 South		j	5. Indicate Type STATE	of Lease
1000 Rio Brazos Rd., Aztec, NM 87410 District IV		e, NM 87		6. State Oil & Ga	
1220 S. St. Francis Dr., Santa Fe, NM 87505					
	ICES AND REPORTS OF	N WELLS			r Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPODIFFERENT RESERVOIR. USE "APPLIPROPOSALS.)			*		CHOEN LS
1. Type of Well: Oil Well	Gas Well Other]		8. Well Number	2E
2. Name of Operator BP AMERICA PRODUCTION	COMPANY			9. OGRID Numb	oer 000778
3. Address of Operator	COMPANI		· ·	10. Pool name or	
P.O. BOX 3092 HOUSTON, TX	77079-2064			Basin Dakota &	Blanco Mesaverde
4. Well Location					.,
Unit Letter D: 1 Section 27	feet from the		line and 88 Range 10W	<u>0</u> feet from the <u>V</u> NMPM SAN	
Section 27	11. Elevation (Show wi				V JOAN County
		620.	•		
Pit or Below-grade Tank Application ☑ e Pit type _DRILLINGDepth to Groun		manus fund	- water wall > 10002 F	Nistamas fuom maguest s	>2.00
	Below-Grade Tank: Volume	nearest trest	bbls; Construc		urface water 1000
	Appropriate Box to In	dicate N			Data
	• •	idicate 14	•	•	
NOTICE OF IN PERFORM REMEDIAL WORK □	NTENTION TO: PLUG AND ABANDON	. □	SUBS REMEDIAL WORK	SEQUENT RE	PORT OF: ALTERING CASING □
TEMPORARILY ABANDON	CHANGE PLANS	'	COMMENCE DRI		P AND A
PULL OR ALTER CASING	MULTIPLE COMPL		CASING/CEMENT	T JOB 🔲	
OTHER: LINED DRILLING PI			OTHER:		
13. Describe proposed or comp					es, including estimated date ram of proposed completion
or recompletion.	ork). SEE ROLE 1103. 1	ot Munip	e completions. At	acii welloofe diagi	ani or proposed completion
C. A. P. LLEN	· DD ·	0 1	D : D :	/33/ 1 D:	Contour Con Diam
Construct a lined drilling pi issued date of 11/17/2004. P	-		_		Construction Plan
155ueu uate 01 11/1 //2004. F	it will be closed acco	n unig to	ciosure pian or	i me.	
,				•	
I hereby certify that the information grade tank has been/will be constructed or					
SIGNATURE JUNIO	- Huto	_TITLE	Regulatory Analy	<u>st</u> DATE_1	0/31/06
Type or print name Kristina Hurts	E-mail address:	hurtk0@b	pp.com	Telephon	e No. <u>281-366-3866</u>
For State Use Only	// -				A.L. O O ODD
APPROVED BY: Conditions of Approval (if any):	-tw	TITLE	PUTY CIL & GAS IN	ispeltor, dist &	DATE JAN 08 2007

PAD LAYOUT PLAN & PROFILE BP AMERICA PRODUCTION COMPANY

Schoen LS #2E 1095' F/NL 880' F/WL SEC. 27, T30N, R10W, N.M.P.M.

Lat: 36.78743° (83) Long: 107.87773° (83) SAN JUAN COUNTY, NEW MEXICO





NOTE: Contractor should call One-Call for location call Une-Lall 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

BP AMERICA PRODUCTION COMPANY DRILLING AND COMPLETION PROGRAM 10/23/2006 Field: Blanco Mesaverde/Basin Dakota Well Name & No. | Schoen LS #2E Lease: Schoen LS 1095' FNL, 880' FWL County: San Juan, New Mexico Surface Location: 27-30N-10W: Minerals: Federal Surface: Lat: 36.7873722 deg; Long: -107.8772628 deg Rig: H & P 292 BH Location: same OBJECTIVE: Drill 250' below the top of the Two Wells Mbr, set 4-1/2" production casing, Stimulate DK, MF, and PL intervals APPROXIMATE DEPTHS OF GEOLOGICAL MARKER METHOD OF DRILLING **DEPTH OF DRILLING** Actual GL: 6203 Estimated KB: 6,217.0' TYPE OF TOOLS APPROX. MD SUBSEA TVD Rotary 0 - TD Marker LOG PROGRAM Ojo Alamo 4,762 1.455 1.455 Depth Interval Kirtland 4,627 1,590 1,590 Type Fruitland 3.939 2.278 2,278 Single Run 3.722 2.495 Fruitland Coal 2.495 Pictured Cliffs 3.451 2,766 2.766 . 3.296 2.921 2.921 Lewis 4,251 4,251 Cased Hole Cliff House # 1.966 4.536 RST- CBL Menefee # 1.681 4.536' TD to 1400' 5.045 # 5,045 Point Lookout 1,172 Identify 4 1/2" cement top 5,393 REMARKS: Mancos 824 5,393 -790 7,007 7.007 The recommended TD is intended to penetrate the ENCN (~50') in order to Greenhorn 7,060 evaluate, and possibly produce it. Offsetting wells encountered no water flow Graneros (bent.mkr) -843' 7,060 at this depth. See attached cross-section. Two Wells # -895 7.112 7.112 The intermediate casing should be set 100 ft. into the MENF to minimize the Paguate # -978 7,195 7.195 risks encountered drilling through the possibly water productive CLFH. Cubero # -1,035 7,252 7.252' # -1.072 7,289 7.289 Please note the log interval extends from TD to 1400' (above the Ojo L. Cubero -1,101 7,318 7,318 Alamo). Encinal Cyn # -1,145 7,362 7,362' TOTAL DEPTH: # Probable completion interval * Possible Pay SPECIAL TESTS **DRILL CUTTING SAMPLES DRILLING TIME** DEPTH **FREQUENCY** DEPTH TYPE **FREQUENCY** to TD 0 - TD None 30'/10' intervals 4,636 Geolograph REMARKS: MUD PROGRAM: TypeMud /30 min Other Specification Interval #/gal Vis, sec/qt 200 Spud 8.8 - 9.0 Sufficient to clean hole. Water/LSND 8.4 - 9.0 Sweep hole while whilst water drilling, LCM onsite 4,636 <9 7,362 Volume sufficient to maintain a stable and clean wellbore Air 1 1000 cfm for hammer CASING PROGRAM: Landing Point Weight Cement CasingString Depth Size **Casing Size** Grade, Thread Surface/Conductor H-40 ST&C 200 13 1/2" 9-5/8* 32# cmt to surface 0' - 4000' J/K-55 ST&C 20# Intermediate 8-3/4" Intermediate 4000' -4636' 8 3/4" 7* N-80 ST&C 23# 100' below MENF cmt to surface DKOT 7,362' P/10_4 Production 6-1/4* 4-1/2" 11.6# 150' inside Intermediate -TOC survey required CORING PROGRAM: None **COMPLETION PROGRAM:** Rigless, 2-3 Stage Limited Entry Hydraulic Frac, FMC Unihead **GENERAL REMARKS:** Notify BLM/NMOCD 24 hours prior to Spud, BOP testing, and Casing and Cementing. **BOP Pressure Testing Requirements Formation** Anticipated bottom hole pressure Max anticipated surface pressure** Cliffhouse 4.251 500 **Point Lookout** 5,045 600 0 Dakota 7,112 2600 1035.36 Requested BOP Pressure Test Exception = 1500 psi ** Note: Determined using the following formula: ABHP - (.22*TVD) = ASP Form 46 Reviewed by: Logging program reviewed by: PREPARED BY: APPROVED: DATE: APPROVED: DATE: HGJ JMP 23-Oct-06 Form 46 7-84bw For Drilling Dept. For Production Dept.

Cementing Program

Well Name:	Schoen LS #2E	400ELE***	01 5144						
Location:	27-30N-10W: San Juan	1095' FNL, 88	0' FWL		Well Flac	_			
County: State:	New Mexico				Formation:		Blanco Me	saverde/E	Basin Dakota
Acto.	THE WITH CAREE				KB Elev (es	st)	1	5217	January Danoid
asing Program:					GL Elev. (e	est)		5203	
asing Program.	Est. Depth	Hole Size	Casing Size	Thread	TOC				
	(ft.)	(in.)	(in.)		(ft.)				
Surface	200	13.5	9.625	ST&C	Surface				
ntermediate	4636	8.75	7	ST&C	Surface				
Production -	7362	6.25	4.5	ST&C	4486				
Casing Propertie			actor Included)	D -1	0-11				
asing String	Size (in.)	Weight (lb/ft)	Grade	Burst (psi.)	Collapse (psi.)				
Surface	9.625		2 H-40	(psi.) 2270	(psi.)	1400			
ntermediate	3.020) K-55	3740		2270			
ntermediate	7		3 N80	6340		3830			
Production -	4.5		3 J-55	5350		4960			
Mud Program					=				
Apx. Interval	Mud Type	Mud Weight		Recomme	ended Mud I	Proper	ties Prio C	ementing:	
ft.)		•		PV	<20			_	
				YP	<10				
- SCP	Water/Spud	8.6-9.2		Fluid Los	·<15				
SCP - ICP	Water/LSND	8.6-9.2							
CP - ICP2	Gas/Air Mist	NA O C O C							
CP2 - TD	LSND	8.6 - 9.2							
Cementing Progra	jin:		Surface		Intermed	liato		D-	oduction
Excess %, Lead			100		mtermed 75	nate		71	40
Excess %, Tail			NA		0				40
BHST (est deg. F))		75		120				183
Special Instruction	•		1,6,7		1,6,8				2,4,6
	1. Do not wash p	oumps and line			.,-,-				-, .
	2. Wash pumps	and lines.							
	3. Reverse out								
	4. Run Blend Te	st on Cement							
	Record Rate,	Pressure, and	Density on 3.5	' disk					
	Confirm densi								
	7. 1" cement to s								
	8. If cement is no	ot circulated to	surface, run te	mp. survey 1	0-12 hr. afte	er land	ing plug.		
Notes:									
	*Do not wash up	on top of plug	g. Wash lines be	efore displaci	ing production	on cen	nent job to	minmize o	irillout.
Surface:		····	71				<u> </u>	• 5	
	Preflush		20 bbl.	FreshWa	iter				
	Slurry 1	15-	4 sx Class C Ce	ement					195 cuft
	TOC@Surface		+ 2% CaCl2 (accelerator)					
									0.4887 cuft/ft OF
		Density		Yield			Water		
Slurry Properties:		•		(ft3/sk)	_		(gal/sk)		
Slurry Properties:	01	(lb/gal)	•					5.8	
Slurry Properties:	Slurry 1	•	2	1.27					
	·	(lb/gal)		1.27					
	·	(lb/gal) 15.:	ST&C	1.27					
	·	(lb/gal) 15.3 9-5/8*, 8R, \$	ST&C be	1.27					
Slurry Properties: Casing Equipmen	·	(lb/gal) 15.3 9-5/8*, 8R, \$ 1 Guide Sho 1 Top Wood	ST&C be	1.27					
	·	(lb/gal) 15.3 9-5/8*, 8R, \$ 1 Guide Sho 1 Top Wood	ST&C be len Plug ert float valve	1.27					
	·	(lb/gal) 15.3 9-5/8*, 8R, 8 1 Guide Sho 1 Top Wood 1 Autofill ins	ST&C be len Plug ert float valve , as needed	1.27					

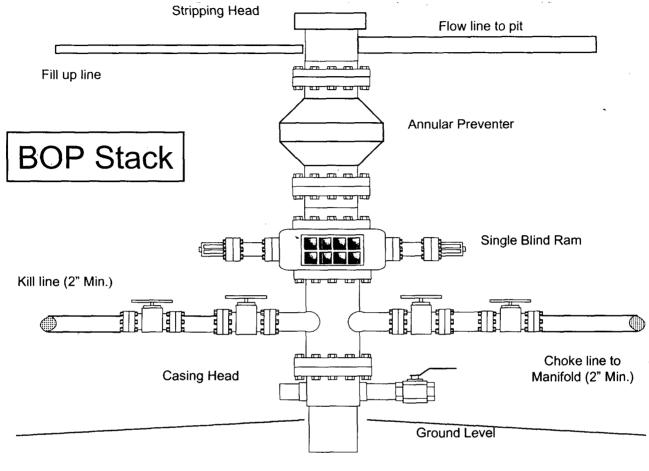
Cementing Program

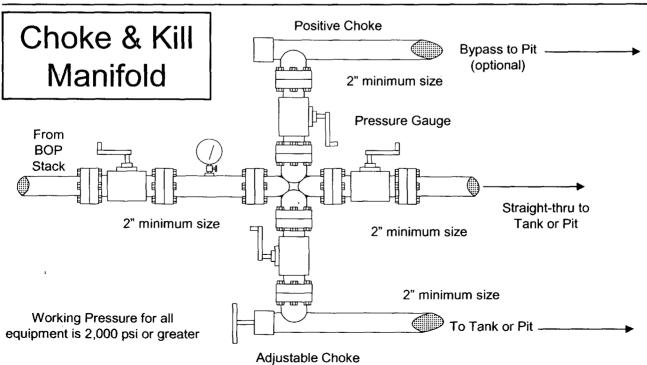
Intermediate:					
	Fresh Water	20 bbl	fresh water		
	Lead		407 sx Class "G" Cemer		1070 cuft '
	Slurry 1		+ 3% D79 extender		
	TOC@Surface		+1/4 #/sk. Cellophar	ne Flake	
			+ 5 lb/sk Gilsonite		
	Tail		59 sx 50/50 Class "G"/	Poz	75 cuft
	Slurry 2		+ 2% gel (extender)		
	500) ft fill	+1/4 #/sk. Celiopha	ne Flake	0.1503 cuft/ft OH
			+ 2% CaCl2 (accele	0.1746 cuft/ft csg and	
			+ 5 lb/sk Gilsonite		
Slurry Properties:		Density	Yield	Water	
Didity i Toperiles.		(lb/gai)	(ft3/sk)	(gal/sk)	
Slurry 1		11.4	2.63	(gai/sk) 15.8	
		13.5	1.27	5.72	
Slurry 2 Casina Equipmen	st·		1.27	3.12	
Casing Equipmer	ıı.	7", 8R, ST&C			
		1 Float Shoe (autofill wi	th minimal LCM in mud)		
		1 Float Collar (autofill w	ith minimal LCM in mud)		
		1 Stop Ring	•		
		Centralizers as needed	1		
		1 Top Rubber Plug			
		1 Thread Lock Compou	nd		
		·			
Production:					
	Fresh Water	10 bbl	CW100		
	Lead		98 LiteCrete D961 / D1	124 / D154	246 cuft
	Slurry 1		+ 0.03 gps D47 anti	ifoam	
	TOC, 400' above	e 7* shoe	+ 0.5% D112 fluid k	oss	
			+ 0.11% D65 TIC		
				_	
	Tail		147 sx 50/50 Class "G"/		211 cuft
	Slurry 2		+ 5% D20 gel (exte	nder)	
	1469	9 ft fill	+ 0.1% D46 antifoa		
			+ 1/4 #/sk. Cellopha	ane Flake	
			+ 0.25% D167 Fluid	d Loss	
			+ 5 lb/sk Gilsonite		
			+0.1% d800, retard	er	
			+0.15% D65, dispe		
					0.1026 cuft/ft OH
		Density	Yield	Water	
Slurry Properties:		(lb/gal)	(ft3/sk)	(gal/sk)	0.1169 cuft/ft csg an
Slurry Properties:		9.5	2.52	6.38	
- '		9.5		2.5	Top of Mancos
Slurry 1		13	1.44	6.5	1 OP OI Maricos
Slurry 1			1.44	6.5	5393
Slurry 1 Slurry 2	nt:		1.44	6.5	
Slurry Properties: Slurry 1 Slurry 2 Casing Equipmer	nt:	13 4-1/2", 8R, ST&C	1.44 . th minimal LCM in mud)	6.5	
Slurry 1 Slurry 2	nt:	13 4-1/2", 8R, ST&C 1 Float Shoe (autofill w		6.5	
Slurry 1 Slurry 2	nt:	13 4-1/2*, 8R, ST&C 1 Float Shoe (autofill with 1 Float Collar (autofill with 1 Float Collar (autofill)	th minimal LCM in mud)	6.5	
Slurry 1 Slurry 2	nt:	13 4-1/2*, 8R, ST&C 1 Float Shoe (autofill w 1 Float Collar (autofill w 1 Stop Ring	th minimal LCM in mud) ith minimal LCM in mud)	6.5	
Slurry 1 Slurry 2	nt:	13 4-1/2*, 8R, ST&C 1 Float Shoe (autofill with 1 Float Collar (autofill with 1 Float Collar (autofill)	th minimal LCM in mud) ith minimal LCM in mud)	6.5	

BP American Production Company

Well Control Equipment Schematic







Additional Operator Remarks Schoen LS 2E APD

NOTICE OF STAKING WAS SUBMITTED ON 08/07/06

BP America Production Company respectfully requests permission to drill the subject well to a total depth of approximately 7362' MD. 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 +/- 2000 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