Form 3160-3 (August 1999)

2005 JUL 11 PM 1 34

(August 1999)	UNITED STAT DEPARTMENT OF THE BUREAU OF LAND MA APPLICATION OFOR PERMIT TO	NGEMENT DRILL OR RE	1917 1 34			OMB No	PPROVED 1004-0136 ember 30, 2000 SF - 079319 be Name	
la. Type of Work:	DRILL 📮	REENTER			7. I	f Unit or CA Agreeme	nt, Name and No	
1b. Type of Well:	Oil Well Gas Well Gas Othe	, 0	Single Zone Multiple Zo	one		ease Name and Well		
2. Name of Operat BP AMERICA P	or PRODUCTION COMPANY				9. 3	API Well No. 0-045-33	1226	
3a. Address P.O. BOX 3092 F	HOUSTON, TX 77079-2064	3b. Phone No 281-366-40 8	. (include area code) 81		10. Field and Pool, or Exploratory Basin Fruitland Coal			
	1 (Report location clearly and in accordants) 5' FSL & 1790' FWL NESW Dd. Zone	ice with any Stat	e requirements.*)			Sec., T., R., M., or Blk TION 36 T28N	•	
	es and direction from nearest town or post FROM BLOOMFIELD, NM	office*				County or Parish JUAN	13. State NEW MEXICO	
15. Distance from p Location to nea Property or leas (Also to neares	arest	16 31	No. of Acres in lease		Spacin	g Unit dedicated to thi	s well	
to nearest well,	proposed location* drilling, completed, this lease, ft. (est) 600°	121	Proposed Depth		BLM/BIA Bond No. on file '2924			
21. Elevations (sho 5889' GL	ow whether DF, KDB., RT, GL, etc.	. Approximate date work v 8/17/05	vill star	tart* 23. Estimated duration 3 DAYS				
		24	4. Attachments					
Well plat certifi A Drilling Plan	leted in accordance with the requirements ied by a registered surveyor.		4. Bond to cove 20 above).	r the o	peration	s unless covered by ar	n existing bond on file (see I	

- A Surface Use Plan (if the location is on National forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Such other site specific information and/or plans as may be required by the suthorized officer.

Date

25. Signature Name (Printed/typed) Date

Note (Printed/typed) Date

Cherry Hlava 07/01/2005

Title

Regulatory Analyst

Tile Lan Reld Manager Mineral

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 theseby

Name (Printed/Typed)

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.

*(Instructions on reverse)

Approved by (Signature)

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

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 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

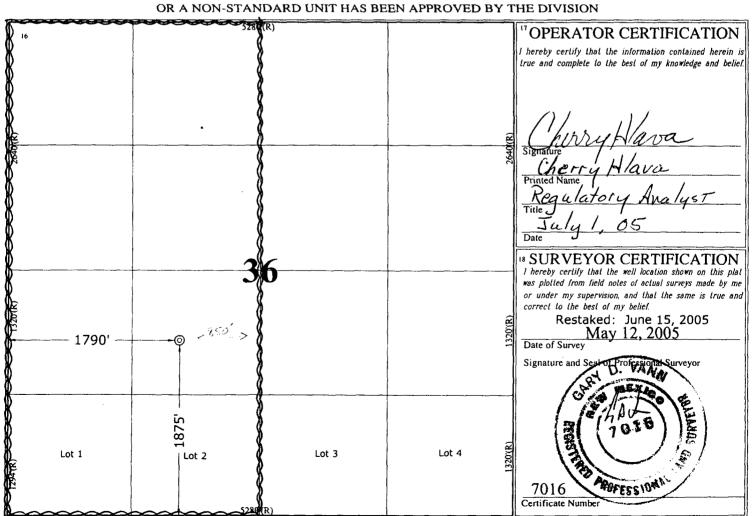
WELL LOCATION AND ACREAGE DEDICATION PLAT

30-045-332	226 7	¹ Pool Code 1629	Basin Fruitland Coal	,		
Property Code			³ Property Name	6 Well Number		
001033	Schwer	dtfeger A L	# 25			
OGRID No.		* Operator Name				
000778	BP AM	ERICA PRO	DDUCTION COMPANY	5889		

Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	36	28 N	9 W		1875	SOUTH	1790	WEST	SAN JUAN
			" Bott	om Hole	Location If	Different From	n Surface		
7 UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	1								
12 Dedicated Acre	s ¹³ Join	t or Infill	Consolidatio	n Code 15	Order No.				
318 85									

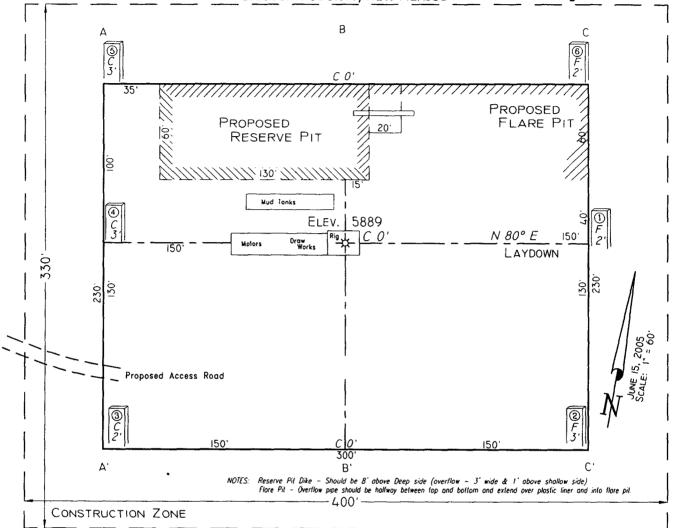
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

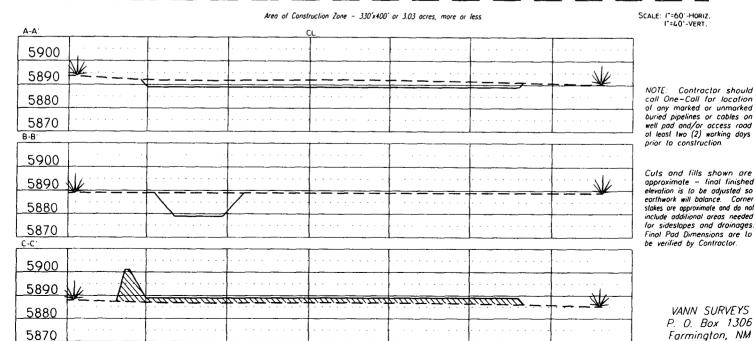


PAD LAYOUT PLAN & PROFILE BP AMERICA PRODUCTION COMPANY

Schwerdtfeger A LS # 25 1875' F/SL 1790' F/WL SEC. 36, T28N, R9W, N.M.P.M. SAN JUAN COUNTY, NEW MEXICO Lat: 36.6167° Long: 107.7428°

Lat: 36°36'59" Long: 107°44'34"





(44 1999)

Approved by

Conditions of approval, if any/are attached. Approval of this notice

Certify that the applicant holds legal or equitable title to those rights in the

subject lease which would entitle the applicant to conduct operations thereon

FORM APPROVED **UNITED STATES** OMB No. 1004-0135 DEPARTMENT OF THE INTERIOR Expires November 30, 200 **BUREAU OF LAND MANGEMENT** Lease Serial No. SUNDRY NOTICES AND REPORTS ON WELLS SF - 079319 Do not use this form for proposals to drill or to re-enter an Abandoned well. Use Form 3160-3 (APD) for such proposals If Indian, Allottee or tribe Nan If Unit or CA/Agreement, Nan SUBMIT IN TRIPLICATE - Other instructions on reverse side Type of Well Well Name and No. Other Oil Well Gas Well Schwerdtfeger A LS 25 Name of Operator API Well No. BP AMERICA PRODUCTION COMPANY 3664533224 Phone No. (include area code) Field and Pool, or Exploratory Area 3a Address P.O. Box 3092 Houston, Tx 77253-3092 281-366-4081 **BASIN FRUITLAND COAL** Location of Well (Footage, Sec., T., R., M., or Survey Description) 11. County or Parish, State Section 36 T28N R09W NESW 1875' FSL & 1790' FWL SAN JUAN, NM 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OR NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION TYPE OF SUBMISSION Production (Start/Resume) Water shut-Off Acidize Deepen Notice of Intent Well Integrity Alter Casing Fracture Treat Other O **New Construction** Casing Repair Subsequent Report Slight change to Tops & Change Plans Plug and Abandon Water Disposal ŤD Final Abandonment Notice Convert to Injection Plug Back 13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection. On 7/1/05 APD was submitted for BLM approval. Subsequently BP America has revised the Fruitland and Pictured Cliffs tops and corrected the ground elevation to match plat (C-102). Please see the attached Amended drilling plan (form 46) The TD will change only 8' and will not change the cement program. 14. I hereby certify that the foregoing is true an dcorrect Name (Printed/typed) Cherry Hlava Title Regulatory Analyst Signature Date 07/15/2005 THIS SPACE FOR FEDERAL OR STATE OFF

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 witin its jurisdiction.

Office

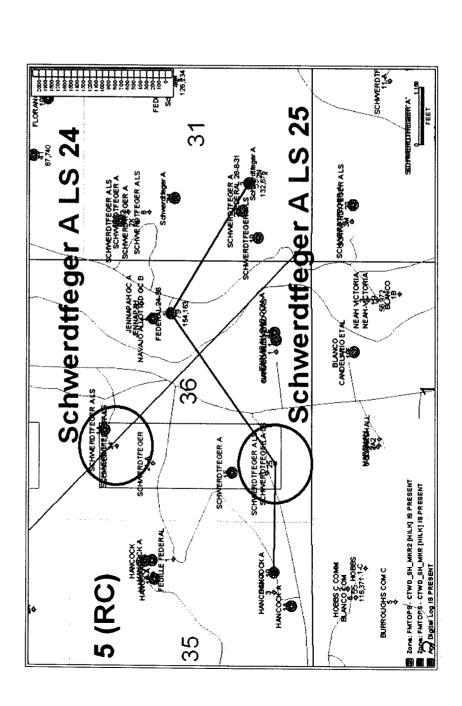
		<i>∪</i> ••	BI	AMER	RICA PRO	DUCTION	CON	1PA	NY			
•				DRILLIN	IG AND CO							
						2/2005 (An) _	=:	, ,,,		
	Schwerdtfe	•	١			verdtfeger A LS #25 Field: Basin Fruitland Coal						
County: Minerals:	San Juan, I	New Mexico		Бипасе L		1/4, S 36, T28N, R9W : 1875' FSL, 1790' FWL						
	Aztec 507			BH I		36.6167 Long:-107.7428 1/4, S 36, T28N, R9W : 1875' FSL, 1790' FWL						
		set 5.5" casino	nerta		Fruitland Coal in		1, 110 11 11	<u> </u>	02,			
ODOLOTIVE.	Dilli to 10,	Set S.S. Cashin	, port o	ind map the	Transaria odari	Thei van						
	м	ETHOD OF DI	RILLING	3		I A	PPROXIM	IATE (DEPTHS OF	GEOLOGIC	CAL N	MARKER
TYPE	OF TOOLS			PTH OF DE	RILLING	Actual (GL: 58	89		Estimated K	B: 5,	900.0'
	Rotary			0 - TD		Marker	··· 1		SUBSEA		VD	APPROX. MD
		LOG PROG	RAM		······································	Ojo Alamo			4,825'			1,075
Type Depth Interval						Kirtland			4,694'			1,206'
GR/CCL and RST TD to Min Charge						Fruitland Fm			4,140'			1,760'
						Fruitland Coal		*#	3,962'			1,938'
						Pictured Cliffs		*	3,815'			2,085'
Cased H	ole											
						ļ						
						_						
REMARKS:		DOT Onelliet		on /FT 100)idb ===1							
Primary Log pre shaded. Carbon												
only. Two final p								\vdash	-			
hilkewdn@bp.co		astorner LAS III	c io be	iiiis i iiiken	nen in Houston	ļ						
	5771 .									 		
						-		\vdash				
						 		-				
						TOTAL DE	PTH:	3,715' 2,			2,185'	
							# Probable completion interval * Possible Pay					
SPECIAL TEST	rs .						CUTTING					ING TIME
TYPE						FREQUE						
None						none		none to TD Geolograph			0 - TD	
REMARKS:												
MUD PROGRA	M:											
Interval	TypeMu	d #/g	al	Vi	s, sec/qt	/30 min			Othe	r Specifica	tion	
200'	Spud			Sufficie	nt to clean hole.							
2,185'	Water/LS	ND 8.4 -	9.0			<9	S	Sweep hole while water drilling, LCM onsite				
	ſ					- \ \ \ \ \		<u>.</u>			Ji iiiir ig	, LOW OTSILE
0401110	<u> </u>										uriiirig	, LOW Grisite
CASING PROG	RAM:										Jiming	, LOW GISILE
CASING PROG CasingSt		Depth		Size	Casing Size	Grade, Three		ight	Landing		Jimrig	Cement
	ring	Depth 200'		Size 12 1/4"	Casing Size 8-5/8"		ead We	i ght 0#			111111119	
CasingSt Surface/Condu	ring	200'		12 1/4"	8-5/8*	Grade, Thre	ead We	0#				Cement
CasingSt	ring					Grade, Thre	ead We				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Cement cmt to surface
CasingSt Surface/Conduction	ring ctor	200'		12 1/4"	8-5/8*	Grade, Thre	ead We	0#				Cement
CasingSt Surface/Conduction Production CORING PROC	ring ctor	200'		12 1/4"	8-5/8*	Grade, Thre	ead We	0#				Cement cmt to surface
CasingSt Surface/Conduction Production CORING PROC	ring ctor	2,185		12 1/4"	8-5/8*	Grade, Thre	ead We	0#				Cement cmt to surface
CasingSt Surface/Conduction Production CORING PROC None COMPLETION	ring ctor GRAM:	2,185'		12 1/4"	8-5/8*	Grade, Thre	ead We	0#				Cement cmt to surface
CasingSt Surface/Conduction Production CORING PROCING None COMPLETION Rigless, Limited	ctor GRAM: PROGRAM Entry Hydi	2,185'		12 1/4"	8-5/8*	Grade, Thre	ead We	0#				Cement cmt to surface
CasingSt Surface/Conduction Production CORING PROCINONE COMPLETION Rigless, Limited GENERAL REI	ctor GRAM: PROGRAM Entry Hydr MARKS:	200' 2,185'		7 7/8"	8-5/8* 5-1/2*	Grade, Three H-40 ST&	ead We	0#				Cement cmt to surface
CasingSt Surface/Conduction Production CORING PROC None COMPLETION Rigless, Limited GENERAL REI Notify BLM/NM	PROGRAM: PROGRAM DENTRY Hydi MARKS: OCD 24 hor	200' 2,185' I: raulic Frac		7 7/8"	8-5/8* 5-1/2*	Grade, Three H-40 ST&	ead We	0#				Cement cmt to surface
CasingSt Surface/Conduction Production CORING PROCUMENTS None COMPLETION Rigless, Limited GENERAL REI Notify BLM/NM BOP Pressure	FRAM: PROGRAM DENTY Hyde MARKS: OCD 24 hor Testing Re	200' 2,185' I: raulic Frac urs prior to Spu	id, BOF	12 1/4" 7 7/8"	8-5/8* 5-1/2* and Casing and C	Grade, Three H-40 ST&	ead We	0#	Landing	Point		Cement cmt to surface cmt to surface
CasingSt Surface/Conduction Production CORING PROCINONE COMPLETION Rigless, Limited GENERAL REI Notify BLM/NM BOP Pressure Format	PROGRAM: PROGRAM DENTRY Hydr MARKS: OCD 24 hor Testing Retion	200' 2,185' : raulic Frac urs prior to Spundulrements Depth	id, BOF	12 1/4" 7 7/8"	8-5/8* 5-1/2* and Casing and Casi	Grade, Three H-40 ST& J-55	ead We	0#	Landing	Point l	urface	Cement cmt to surface
CasingSt Surface/Conduction Production CORING PROCE None COMPLETION Rigless, Limited GENERAL REI Notify BLM/NM BOP Pressure Format Fruitia	PROGRAM: PROGRAM DENTRY Hydroman MARKS: OCD 24 hor Testing Resion	200' 2,185' I: raulic Frac urs prior to Spuequirements Depth 1,938'	id, BOF	12 1/4" 7 7/8"	8-5/8* 5-1/2* and Casing and Casi	Grade, Three H-40 ST& J-55	ead We	0#	Landing	Point ticipated s	urface	Cement cmt to surface cmt to surface
CasingSt Surface/Conduction Production CORING PROCINONE COMPLETION Rigless, Limited GENERAL REI Notify BLM/NM BOP Pressure Format	PROGRAM: PROGRAM DENTRY Hydroman MARKS: OCD 24 hor Testing Resion	200' 2,185' : raulic Frac urs prior to Spundulrements Depth	id, BOF	12 1/4" 7 7/8"	8-5/8* 5-1/2* and Casing and Casi	Grade, Three H-40 ST& J-55	ead We	0#	Landing	Point l	urface	Cement cmt to surface cmt to surface
CasingSt Surface/Conduction Production CORING PROCUMANT COMPLETION Rigless, Limited GENERAL REFENOTIFY BLM/NM BOP Pressure Format Fruitia Pictured	PROGRAM: PROGRAM DENTRY Hydi MARKS: OCD 24 hor Testing Resistion and Cliffs	200' 2,185' : raulic Frac urs prior to Spurguirements Depth 1,938' 2,085'	id, BOF	7 7/8" 7 testing, an	8-5/8* 5-1/2* od Casing and Casi	Grade, Three H-40 ST& J-55 Dementing.	ead WeC 2	5.5#	Landing Max an	Point ticipated s	urface 64	Cement cmt to surface cmt to surface
CasingSt Surface/Conduction Production CORING PROCUMENTS None COMPLETION Rigless, Limited GENERAL REI Notify BLM/NM BOP Pressure Format Fruitia Pictured Reque	PROGRAM: PROGRAM: DENTY Hydromand Testing Resion and Cliffs Dested BOP F	200' 2,185' I: raulic Frac urs prior to Spurs prior to Spurs prior to Spurs Pepth 1,938' 2,085'	id, BOF	7 7/8" testing, an An	8-5/8* 5-1/2* ad Casing and Conticipated botto 50 20	Grade, Three H-40 ST& J-55	ead WeC 2	5.5#	Landing Max an	Point ticipated s	urface 64	Cement cmt to surface cmt to surface
CasingSt Surface/Conduction Production CORING PROCE None COMPLETION Rigless, Limited GENERAL REI Notify BLM/NM BOP Pressure Format Fruitia Pictured Reque	PROGRAM: PROGRAM DENTY Hyde MARKS: OCD 24 hor Testing Resion and Cliffs Dested BOP Fewed by:	200' 2,185' I: raulic Frac urs prior to Spurs prior to Spurs prior to Spurs Pepth 1,938' 2,085'	id, BOF	7 7/8" 7 testing, an An program re	8-5/8* 5-1/2* ad Casing and Conticipated botto science of the continuous conticipated botto science of the conticipat	Grade, Three H-40 ST& J-55 Gementing. Gementing. Gementing. Gementing. Gementing. Gementing. Gementing. Gementing.	ead WeC 2	5.5#	Max an	Point ticipated s 73. C	urface 64	Cement cmt to surface cmt to surface pressure**
CasingSt Surface/Conduction Production CORING PROCE None COMPLETION Rigless, Limited GENERAL REI Notify BLM/NM BOP Pressure Format Fruitla Pictured Reque Form 46 Review PREPARED BY	PROGRAM: PROGRAM: DENTY Hydromand Testing Resion and Cliffs Dested BOP Fewed by: Y:	200' 2,185' I: raulic Frac urs prior to Spurs prior to Spurs prior to Spurs Pepth 1,938' 2,085'	id, BOF	7 7/8" testing, an An	8-5/8* 5-1/2* ad Casing and Conticipated botto science of the continuous conticipated botto science of the conticipat	Grade, Three H-40 ST& J-55 Cementing. Common hole pressure on the pressure of the pressure on the pressure of the pressure o	ead We C 2 15	5.5#	Max an	Point ticipated s	urface 64	Cement cmt to surface cmt to surface
CasingSt Surface/Conduction Production CORING PROCONONE COMPLETION Rigless, Limited GENERAL REI Notify BLM/NM BOP Pressure Format Fruitla Pictured Reque	PROGRAM: PROGRAM: Entry Hydright MARKS: OCD 24 horitises and Cliffs Ested BOP Fried by: Y: TT/HGJ	200' 2,185' I: raulic Frac urs prior to Spurs prior to Spurs prior to Spurs Pepth 1,938' 2,085'	Exception	7 7/8" 7 testing, an An program re	8-5/8* 5-1/2* and Casing and Conticipated botto sticipated botto sticipated botto viewed by:	Grade, Three H-40 ST& J-55 Cementing. Common hole pressure on the pressure of the pressure on the pressure of the pressure o	ead WeC 2	5.5#	Max an	Point ticipated s: 73. Cla: ABHP -	urface 64	Cement cmt to surface cmt to surface pressure**

Cementing Program

		1 1				····	
						L	
Well Name:	Schwerdtferger A				45111		
Location:	Sec 36 - 28N - 09	W, 1875' FSL	., 1790' FWL		API No.		
County:	San Juan				Well Flac		
State:	New Mexico	ļ			Formation:	Fruitland Coal	
		_			KB Elev (est)	5938	
					GL Elev. (est)	5927	•
Casing Program	•						
Casing String	Est. Depth	Hole Size	Casing Size	Thread	TOC		
	(ft.)	(in.)	(in.)		(ft.)		
Surface	200	12.25	8 5/8	8rd	Surface		
Production -	2193	7.875	5 1/2	8rd	Surface		
Casing Propertie			actor Included)				
Casing String	Size	Weight	Grade			•	
ousing oning	(in.)	(lb/ft)	Orago				
Surface	8 5/8	• •	H-40	0			
Production -	5 1/2			=			
- TOUDCHON -	5 1/2	. 15.5	J-3:	J			
Mud Program						=	
Apx. Interval	Mud Type	Mud Weight		Dacamma	anded Mud Bross	ties Prio Cementing:	
	iviud Type	widd weight				ties Filo Cementing.	
(ft.)				PV	<20		
				ΥP	<10		
0 - SCP	Water/Spud	8.6-9.2		Fluid Loss	s <6		
SCP - TD	Water/LSND	8.6-9.2					
Cementing Progra	am:		O		Dan donation		
- 0/ 1 1			Surface		Production		
Excess %, Lead			100		40		
Excess %, Tail			NA		40		
BHST (est deg. F			75		120		
Special Instructio			1,6		2,4,6		
	1. Do not wash p		es.				
	2. Wash pumps	and lines.					
	Reverse out						
	4. Run Blend Te	st on Cement					
	5. Record Rate,	Pressure, and	Density on 3.5"	disk			
	6. Confirm densi	tometer with p	ressurized mud	scales			
Surface:			,				·
	Preflush		20 bbl.	FreshWat	ter		
	Slurry 1	130	sx Class C Ce	ment			165 cuft
	TOC@Surface		+ 2% CaCl2 (a				
	.00@04.1400		· 270 00012 (u	00010101017			0.4127 cuft/ft OH
							U.TIZI GUIVILOIT
Slurry Properties		Donoit:		Yield		Water	
Siulty Properties	•	Density					
	.	(lb/gal)	_	(ft3/sk)	_	(gal/sk)	
	Slurry 1	15.2	2	1.2	7	5.8	
Casing Equipmen	nt:	8-5/8", 8R, S	ST&C				
		1 Guide Sho	e				
		1 Top Wood					
			ert float valve				
			, 1 per joint exce	ent ton inint			
			, . por joint exce	Ar rob Journ			
		1 Stop Ring	alı Carrir a				
		1 Inread Lo	ck Compound				

Cementing Program

Production:			•		
	Fresh Water	10	bbl CW100		
	Lead		174 sx Class "G	' Cement	455 cuft
	Slurry 1		+ 3% D79 e	xtender	
	TOC@Surface		+ 2% S1 Ca	lcium Chloride	
			+1/4 #/sk. C	ellophane Flake	
			+ 0.1% D46	antifoam'	
	Tail		111 sx 50/50 Cla	ass "G"/Poz	141 cuft
	Slurry 2		+ 2% gel (e:	ctender)	
	500) ft fill	0.1% D46 a	ntifoam	0.2009 cuft/ft OH
			+1/4 #/sk. C	ellophane Flake	0.1733 cuft/ft csg ann
			+ 2% CaCl2	(accelerator)	
Slurry Properties	3 :	Density	Yield	Water	
		(lb/gal)	(ft3/sk)	(gal/sk)	
Slurry 1		11.4	2.61	17.77	
Slurry 2		13.5	1.27	5.72	
Casing Equipme	ent:	5 1/2", 8R, ST&0			
		1 Float Shoe (au	tofill with minimal LCM in	mud)	
		1 Float Collar (a	utofill with minimal LCM in	mud)	
		Centralizers as r	needed		
		1 Top Rubber Pl	•		
		1 Thread Lock C	ompound		



BP American Production Company

Well Control Equipment Schematic



