Form 3160-3 (Augus 1999)

1a. Type of Work:

FORM APPROVED OMB No. 1004-0136 pires November 30, 2000

_	DEPARTMENT	OF THE INTE AND MANAGE	5. Lease Serial No. SF - 078596-A		
		MIT TO DRIL	L OR REENTER	<u> </u>	6. If Indian, Allottee or Tribe Name
⊠ DRILL	REENTER		***************************************		7. If Unit or CA Agreement, Name and No.
- Oil Wall	- Cas Well	→ Other	- Single Zone	- Multiple Zone	8. Lease Name and Well No. FLORANCE T 123S

1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Ott		e Multiple Zone	8. Lease Name and Wel FLORANCE T 1235	
BP AMERICA PRODUCTION COMPANY	CHERRY HLAVA E-Mail: hlavacl@bp.com		9. APLYell No.	32365
3a. Address P.O. BOX 3092 HOUSTON, TX 77253-3092	3b. Phone No. (include area Ph: 281.366.4081 Fx: 281.366.0700	code)	10. Field and Pool, or E BASIN FRUITLAN	
4. Location of Well (Report location clearly and in accorded	ance with any State requiremen	nts.*)	11. Sec., T., R., M., or I	Blk. and Survey or Area
At surface SWNW 1955FNL 660FWL At proposed prod. zone	36.45400 N Lat, 107.402	200 W Lon	Sec 3 T29N R8W	Mer NMP
14. Distance in miles and direction from nearest town or post 19.8 MILES EAST FROM BLOOMFIELD, NM	office*	E 18 11 38 33	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) 660'	16. No. of Acres in Lease	SEP 200	17. Spacing Unit dedica	
 Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 	19. Proposed Depth 3150 MD		20. BLM/BIA Bond No. W.Y2924	on file
21. Elevations (Show whether DF, KB, RT, GL, etc. 6304 GL	22. Approximate date work 08/15/2004	will start	23. Estimated duration 7 DAYS	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan

- 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the

25. Signature (Electronic Submission)	Name (Printed/Typed) CHERRY HLAVA	Date 05/19/2004
Title REGULATORY ANALYST		
Approved by (Signature) Original Signed: Stephen Mason	Name (Printed/Typed)	Date SEP 2 7 2004
Title	Office	

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 #29342 verified by the BLM Well Information System For BP AMERICA PRODUCTION COMPANY, sent to the Farmington

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFP 3165 4

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

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

District I
PO Bex 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

API Number

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

Pool Name

Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ Pool Code

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1 OGRID	ĺ	Operator Name						Blevation			
00077	78	BP AMERICA PRODUCTION COMPANY						6304			
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7 UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Peet II	rom the	Dist west	MINO	County
12 Dedicated Acr	es lis Toin	t or Infill u	Consolidatio	n Code 15	Order No.		<u> </u>				
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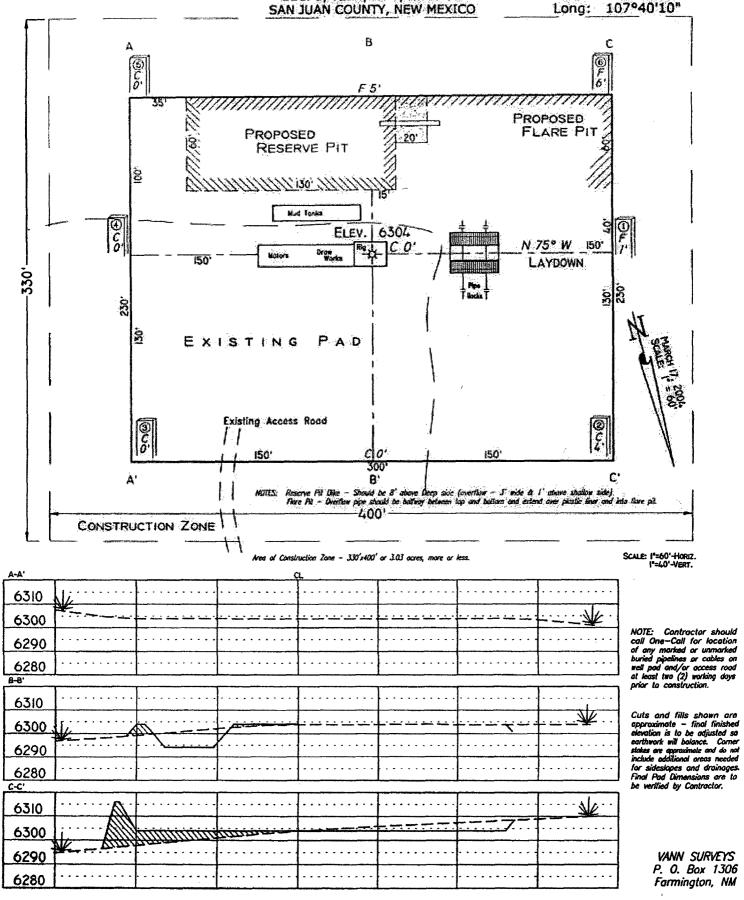
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1301 W. Grand Ave., Artesia, NM 88210	OIL CONSER			5. Indicate T			
<u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410	1220 Sout			STAT		FEE 🗌	1
District IV	Santa I	Fe, NM 8	7505	6. State Oil &	& Gas Lease	No.	
1220 S. St. Francis Dr., Santa Fe, NM 87505							1
	ICES AND REPORTS (ON WELL:	S	7. Lease Nan	ne or Unit A	greement N	ame
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DIFFERENT RESERVOIR. USE "APPLI PROPOSALS.)	CATION FOR PERMIT" (FO.	KM C-101) F	OK SUCH	(Feder	al well SF -	- 078596-A)	
1. Type of Well:				8. Well Num		*****	
Oil Well Gas Well	Other			123 S	ber		}
2. Name of Operator	~~			9. OGRID N	umber		1
BP AMERICA PRODUCTION 3. Address of Operator	<u></u>			10. Pool nam	or Wilder	<u>-</u>	
P.O. BOX 3092 HOUSTON, TX	77079-2064			Basin Fruitla		и	£
4. Well Location							
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Pit or Below-grade Tank Application (Fo	r pit or below-grade tank clo			ned)	35,577 W 4050 FW 1013 35 35 10 K 131		
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Distance from negreet surface water &	0001 Dalam J. W L. I						
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PAD LAYOUT PLAN & PROFILE BP AMERICA PRODUCTION COMPANY

Florance T # 123S 1955' F/NL 660' F/WL SEC. 3, T29N, R8W, N.M.P.M.

36°45'23"

Lat:



BP AMERICA PRODUCTION COMPANY DRILLING AND COMPLETION PROGRAM

Prospect Name: Florance T123S

Well No: 123S

Lease:

Surface Location: Section 3E, T29N, R08W; 1955'

FNL, 660' FWL

County: San Juan

New Mexico

Field: Basin Fruitland Coal

State: Date: April 26, 2004

ODODOTIVAL DIM LOCATE	7 01 0 130 K	D SEL / Cashiy	and pen and had the	e Fruitland Coal inten	vai.			
MET	HOD OF	DRILLING		APPROXIM	ATE DEPT	HS OF (GEOLOGIC	AL MARKER
TYPE OF TOOLS	-	DEPTH OF		Estimated	GL: 630	4	Estimated	KB: 6317
Rotary			ID, 3150' KB	MARKER			JBSEA	MEAS. DEPTH
	OG PRO		,	Ojo Alamo			4401	1916
-	.00	J G 1 1 7 1 1 1		Kirtland			4226	2091
				Fruitland	1		3627	2690
TYPE		DEPTH INVE	ERAL	Fruitland Coa	*#		3475	2842
OPEN HOLE				Pictured Cliffs			3311	3006
Run1: Run Platform Expres	ss	TD up to min	imum charge.					
(array induction, 3-detector		•	ū					
Density, compensated neu	itron,				į.			
caliper, microlog, SP and g								
ray). (see Remarks section	on							
below).			7					
Dun & Bun din de conic		TD up to min	imum abaraa			İ		
Run 2: Run dipole sonic		TO up to min	imum charge.					
(compressional and shear required for frac gradient to						1		
required for frac gradient ic	9)		1		1	1		
REMARKS:								
- Primary presentation is E	Bulk Densi	ity Presentatio	on (5"=100') with					
<1.75 g/cc shaded as coal.				d				
interval only. Three final p					1	ì		
Customer LAS file to Denn	is Hilkewi	ch in Houstor	า —					
hilkewdn@bp.com					j			
				TOTAL DEPT			3167	3150
				# Probable co			* Possible	
	PECIAL	TESTS		DRILL CUT	TING SAM	1PLES	DRIL	LING TIME
TYPE				FREQUENC	Y DEPT	Ή	FREQUEN	ICY DEPTH
None				none	none		Geolograph	0-3150
RÉMARKS:								
MUD PROGRAM:								
Approx. interval	ı	Type Mud	Weight,#	/ga Vis, sec/qt	W/L cc	's/30 mir	Other 9	Specification
0 - 120		Spud	8.6-9.2					
120 - 3150	(1)	Water/LSN			<6			
REMARKS:								
(1) The hole will require								
	sweeps	to keep uni-	oaded while fres	h water drilling I	et hole co	nditions o	dictate frequ	iency
CASING PROGRAM: //								
CASING PROGRAM: (I	Normally, to	ubular goods a	llocation letter specifi	es casing sizes to be	used. Hole s	sizes will be	governed by	Contract)
Casing String	Normally, to	ubular goods a ted Depth	llocation letter specifi	es casing sizes to be	used. Hole s Weight	izes will be Hole Si	governed by ze Landi	
Casing String Surface/Conductor	Normally, to	ubular goods a ted Depth 120	llocation letter specification Size 8-5/8"	es casing sizes to be Grade H-40, 8 RND	wsed. Hole s Weight 20.0	izes will be Hole Si 12	governed by ze Landi	Contract)
Casing String Surface/Conductor Intermediate	Normally, to	ubular goods a ted Depth	llocation letter specification Size 8-5/8"	es casing sizes to be	used. Hole s Weight	izes will be Hole Si 12	governed by ze Landi	Contract)
Casing String Surface/Conductor Intermediate REMARKS:	Normally, to Estima	ubular goods a ted Depth 120	llocation letter specification Size 8-5/8"	es casing sizes to be Grade H-40, 8 RND	used. Hole s Weight 20.0	izes will be Hole Si 12	governed by ze Landi	Contract)
Casing String Surface/Conductor Intermediate	Normally, to Estima	ubular goods a ted Depth 120	llocation letter specification Size 8-5/8"	es casing sizes to be Grade H-40, 8 RND	used. Hole s Weight 20.0	izes will be Hole Si 12	governed by ze Landi	Contract)
Casing String Surface/Conductor Intermediate REMARKS: (1) Circulate Cement to	Normally, to Estima	ubular goods a ted Depth 120	llocation letter specification Size 8-5/8"	es casing sizes to be Grade H-40, 8 RND	used. Hole s Weight 20.0	izes will be Hole Si 12	governed by ze Landi	Contract)
Casing String Surface/Conductor Intermediate REMARKS: (1) Circulate Cement to CORING PROGRAM:	Normally, to Estima	ubular goods a ted Depth 120	llocation letter specification Size 8-5/8"	es casing sizes to be Grade H-40, 8 RND	used. Hole s Weight 20.0	izes will be Hole Si	governed by ze Landi	Contract)
Casing String Surface/Conductor Intermediate REMARKS: (1) Circulate Cement to CORING PROGRAM: None	Normally, tr Estima Surface	ubular goods a ted Depth 120	llocation letter specification Size 8-5/8"	es casing sizes to be Grade H-40, 8 RND	used. Hole s Weight 20.0	izes will be Hole Si	governed by ze Landi	Contract)
Casing String Surface/Conductor Intermediate REMARKS: (1) Circulate Cement to CORING PROGRAM: None COMPLETION PROGR	Normally, to Estima Surface	ubular goods a ted Depth 120 3150	llocation letter specification letter specification letter specification in the specification in the specification is specification in the specification in the specification in the specification in the specification is specification in the	es casing sizes to be Grade H-40, 8 RND	used. Hole s Weight 20.0	izes will be Hole Si	governed by ze Landi	Contract)
Casing String Surface/Conductor Intermediate REMARKS: (1) Circulate Cement to CORING PROGRAM: None COMPLETION PROGRAM: Rigless, Single Stage Line	Normally, to Estima Surface AM: mited En	ubular goods a ted Depth 120 3150	llocation letter specification letter specification letter specification in the specification in the specification is specification in the specification in the specification in the specification in the specification is specification in the	es casing sizes to be Grade H-40, 8 RND	used. Hole s Weight 20.0	izes will be Hole Si	governed by ze Landi	Contract)
Casing String Surface/Conductor Intermediate REMARKS: (1) Circulate Cement to CORING PROGRAM: None COMPLETION PROGR Rigless, Single Stage Lii GENERAL REMARKS:	Normally, to Estima Surface AM: mited En	ubular goods a ted Depth 120 3150	llocation letter specification letter specification letter specification in the specification in the specification is specification in the specification in the specification in the specification in the specification is specification in the	es casing sizes to be Grade H-40, 8 RND J-55, 8 RND	used. Hole s Weight 20.0 15.5	izes will be Hole Si	governed by ze Landi	Contract)
Casing String Surface/Conductor Intermediate REMARKS: (1) Circulate Cement to CORING PROGRAM: None COMPLETION PROGR Rigless, Single Stage Lii GENERAL REMARKS: Notify BLM/NMOCD 24	Normally, to Estima Surface AM: mited En	ubular goods a ted Depth 120 3150	llocation letter specification letter specification letter specification in the specification is specification in the speci	es casing sizes to be Grade H-40, 8 RND J-55, 8 RND	wsed. Hole s Weight 20.0 15.5	sizes will be Hole Si 12 8.	e governed by ze Landi 2.5" 1 75" 1	Contract)
Casing String Surface/Conductor Intermediate REMARKS: (1) Circulate Cement to CORING PROGRAM: None COMPLETION PROGR Rigless, Single Stage Li GENERAL REMARKS: Notify BLM/NMOCD 24 Form 46 Reviewed by:	Normally, to Estima Surface AM: mited En	ubular goods a ted Depth 120 3150 try Hydraulic	Casing Size 8-5/8" 5-1/2" c Frac BOP testing, and Log	es casing sizes to be Grade H-40, 8 RND J-55, 8 RND Casing and Cen	wsed. Hole s Weight 20.0 15.5	sizes will be Hole Si 12 8.	e governed by ze Landi 2.5" 1 75" 1	Contract)
Casing String Surface/Conductor Intermediate REMARKS: (1) Circulate Cement to CORING PROGRAM: None COMPLETION PROGR Rigless, Single Stage Lii GENERAL REMARKS: Notify BLM/NMOCD 24	Normally, to Estima Surface AM: mited En	ubular goods a ted Depth 120 3150 try Hydraulic	llocation letter specification letter specification letter specification in the specification is specification in the speci	es casing sizes to be Grade H-40, 8 RND J-55, 8 RND	wsed. Hole s Weight 20.0 15.5	sizes will be Hole Si 12 8.	e governed by ze Landi 2.5" 1 75" 1	Contract)
Casing String Surface/Conductor Intermediate REMARKS: (1) Circulate Cement to CORING PROGRAM: None COMPLETION PROGR Rigless, Single Stage Lii GENERAL REMARKS: Notify BLM/NMOCD 24 Form 46 Reviewed by: PREPARED BY:	Normally, to Estima Surface AM: mited En	ubular goods a ted Depth 120 3150 try Hydraulic	Casing Size 8-5/8" 5-1/2" c Frac BOP testing, and Log	es casing sizes to be Grade H-40, 8 RND J-55, 8 RND Casing and Cenging program rev DATE:	wsed. Hole s Weight 20.0 15.5 nenting. viewed by:	sizes will be Hole Si 12 8.	e governed by ze Landi 2.5" 1 75" 1	Contract)
Casing String Surface/Conductor Intermediate REMARKS: (1) Circulate Cement to CORING PROGRAM: None COMPLETION PROGR Rigless, Single Stage Li GENERAL REMARKS: Notify BLM/NMOCD 24 Form 46 Reviewed by:	Normally, to Estima Surface AM: mited En	ubular goods a ted Depth 120 3150 try Hydraulic	Casing Size 8-5/8" 5-1/2" c Frac BOP testing, and Log	es casing sizes to be Grade H-40, 8 RND J-55, 8 RND Casing and Cen	wsed. Hole s Weight 20.0 15.5 nenting. viewed by:	sizes will be Hole Si 12 8.	e governed by ze Landi 2.5" 1 75" 1	Contract)

Additional Operator Remarks:

Additional Óperator Remarks: Notice of Staking was submitted on 04/07/2004

BP America Production Company respectfully requests permission to drill the subject well to a total depth of approximately 3150' and complete into the Basin Fruitland Coal Pool as per the attached drilling plan

SUPPLEMENTAL TO SURFACE USE PLAN

New Facilities:

A 4 diameter buried steel pipeline that is + or - 400 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 Williams Field Services.

If condiotns 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.

BP America Production Company BOP Pressure Testing Requirements

Well Name: Florance T123S

County: San Juan

State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1916		
Kirtland	2091		
Fruitland Coal PC	2690	400	0
Lewis Shale Cliff House Menefee Shale Point Lookout Mancos Dakota			

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

Requested BOP Pressure Test Exception: | 850 psi

SAN JUAN BASIN Fruitland Formation Pressure Control Equipment

Background

The objective Fruitland Coal 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 Fruitland Coal. 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

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.

Cementing Program

Well Name: Location: County: State:	Florance T123S Sec 03 - 29N - 0 San Juan New Mexico] 8W, 1955' FNL, 660' I	FWL		Field: API No. Well Flac Formation: KB Elev (est) GL Elev. (est)	Basin Fruitland Fruitland Coal 6317 6304	
Casing Program							
Casing String	Est. Depth (ft.)	Hole Size Casing (in.) (in.)	-	Thread	TOC (ft.)		
Surface	120		3 5/8	8rd	Surface		
Production -	3150		5 1/2	8rd	Surface		
Casing Propertie		(No Safety Factor Inc					
Casing String	Size	Weight Grade					
	(in.)	(lb/ft)					
Surface	8 5/8	3 20	H-40				
Production -	5 1/2	15.5	J-55				
Mud Program							
Apx. Interval	Mud Type	Mud Weight		Recommer	nded Mud Proper	ties Prio Cemen	ting:
(ft.)				PV	<20		
				YP	<10		
0 - SCP	Water/Spud	8.6-9.2		Fluid Loss	<6		
SCP - TD	Water/LSND	8.6-9.2					
		0.0 0.2					
Cementing Progra	ım·						
Comenuity Flugia	4111.	c.	ırface		Production		
Fueres 0/ 1 and							
Excess %, Lead			100		40		
Excess %, Tail			NA		40		
BHST (est deg. F)			75		120		
Special Instruction	is 1. Do not wash p		,6,7		2,4,6		
	6. Confirm densi 7. 1" cement to s	Pressure, and Density tometer with pressuriz surface if cement is no of circulated to surface	ed mud so t circulated	ales J.	-12 hr. after land	ing plug.	
Notes:	*Do not wash up	on top of plug. Wash	lines befor	re displacing	production cem	ent job to minmi	ze drillout.
Surface:							
Surface.	Preflush	20 bbl.		FreshWate	r		
	Churne 1	80 sx Clas	00 C Come	· m ě			00 00#
	Slurry 1						99 cuft
	TOC@Surface	+ 2% 0	CaCl2 (acc	elerator)			
							0.4127 cuft/ft OH
Slurry Properties:		Density		Yield		Water	
		(lb/gal)		(ft3/sk)		(gal/sk)	
	Slurry 1	15.2		1.27		5.8	
Casing Equipment	t:	8-5/8*, 8R, ST&C 1 Guide Shoe					
		1 Top Wooden Plug					
		1 Autofill insert float v	alve				
		Centralizers, 1 per joi		top joint			
•		1 Stop Ring		• •			
		1 Thread Lock Comp	ound				
		oad Eook Gomp					
Production:							····
	Fresh Water	10 bbl		CW100			
	con water	10 001		S#100			
	Lead		360	sx Class "G	" Cement		919 cuft
	Slurry 1			+ 3% D79 e			· ·
	-						

Cementing Program

TOC@Surface

+ 2% S1 Calcium Chloride

+1/4 #/sk. Cellophane Flake

+ 0.1% D46 antifoam'

Tail

Slurry 2

140 sx 50/50 Class "G"/Poz

+ 2% gel (extender)

0.1% D46 antifoam

+1/4 #/sk. Cellophane Flake

177 cuft

0.2526 cuft/ft OH 0.2009 cuft/ft csg ann

+ 2% CaCt2 (accelerator)

Slurry Properties:

Density (lb/gal)

500 ft fill

Yield (ft3/sk) 2.61

Water (gal/sk)

Slurry 1 Slurry 2 11.4 13.5 2.61 1.27 17.77 5.72

Casing Equipment:

5 1/2", 8R, ST&C

1 Float Shoe (autofill with minimal LCM in mud)
1 Float Collar (autofill with minimal LCM in mud)

1 Top Rubber Plug

1 Thread Lock Compound