P.002/007

Form 3160-5

 •

(August 1999)		PARTMENT OF THE I UREAU OF LAND MANA	nterior		/ [OMB 1	1 APPROVED NO. 1004-0135 lovember 30, 2000
,	SUNDRY	NOTICES AND REPO	RTS ON WELLS		/	5. Lease Serial No. NMSF - 07851	3
əl	bandoned we	II. Use form 3160-3 (AP	D) for such propo	sals.		6. If Indian, Allottee	or Tribe Name
SUBMIT IN TRIPLICATE - Other instructions on reverse side.						7. If Unit or CA/Agn	coment. Name and/or No.
I. Type of Well Oil Well 🔯	Gos Well C Orl	hoe				8. Well Name and No ARNAUD A 1S).
2. Name of Operator BP AMERICA P		Contact:	CHERRY HLAVA E-Mail; nlavaci@bp.	com		9. API Well No. 30-045-31430	
3a. Address P.O. BOX 3092 HOUSTON, TX			3b. Phone No. (inch Ph: 281.366.408 Fx: 281.366,070	ide area code)	10. Field and Pool, of BASIN FRUITL	r Exploratory AND COAL
		., R., M., or Survey Description				11. County or Parish,	and State
Sec 17 T32N R 36.59000 N Lat	9W NESE 228 , 107.47800 W	OFSL 905FEL Lon				SAN JUAN CO	
12. (CHECK APPI	ROPRIATE BOX(ES) TO	NDICATE NAT	URE OF 1	NOTICE, RE	PORT, OR OTHE	R DATA
TYPE OF SUB	MISSION			TYPE O	F ACTION		
Notice of Inten ■ Notice of Inten Notice of Intent Notice of Int	ıt	☐ Acidize	□ Deepen		☐ Production	n (Start/Resume)	☐ Water Shut-Off
Subsequent Re		☐ Alter Casing	☐ Fracture T		□ Reclamat	ion	■ Well Integrity
	•	Casing Repair	□ New Cons		☐ Recomple		Other
☐ Final Abandon	ment Notice	☐ Change Plans ☐ Convert to Injection	□ Plug and A □ Plug Back		☐ Temporar ☐ Water Dis		
testing has been condetermined that the CHANGE TO 7" BP America prod Approval was gr following:	npleted. Final Abste is ready for final Abste is ready for final CASING DEF duction Comparanted 4/16/03.	PTH; AIR DRILL & UNDER The made application to deal was respectfully request So depth from 3977' to 33	REAM TO 12" Di rill the above ment to change our drill	AMETER.	on 2/27/03.	o interval, a Form 316 have been completed.	which the control of
FAX or e-mail a	copy of the mu	ictured Cliffs and under re prior to completion of the ud log covering the lower	Fruitland Coal inte	mal the or	20-20	OIL CO	18. DIV. 17.3
14. I hereby certify that		true and correct. Electronic Submission #: For BP AMERICA PRO	23707 verified by the ODUCTION COMPA	BLM Well NY, sent to	Information Sy the Farmingto		61.81 11.312
Name (Printed/Types	U CHERRY	HLAVA	Title	AUTHOR	RIZED REPR	SENTATIVE	
Signaturo	(Electronic Sc		Date	06/26/20			
		THIS SPACE FO	R FEDERAL OR	STATE	FFICE USE		
Approved By Conditions of approval, if	eny, are attached.	Approval of this notice does nable title to those rights in the	ot warrant or	ic A.L.	A APM	Date	6130 03
hich would entitle the ap	blicatite couque	uose title to those rights in the s t operations thereon.	Pubject Icase Of	tice BL	w-Re		

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, fletitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional data for EC transaction #23707 that would not fit on the form

32. Additional remarks, continued

to the FFO-PMT geologist (Chip Harraden) at the BLM. We will also run a chromatograph to provide gas analysis.

If you have any technical questions please call Dan Crosby @ 281-366-0769.

DRILLING AND COMPLETION PROGRAM

T-562 P.004/007 F-348

6-26-03

Prospect Name: Arnaud A

Lease:

Well No: 1S

Surface Location:

Section 17 T32N, R9W; 2280'

FSL, 905' FEL

County: San Juan State: **New Mexico** Date: February 20, 2003 Field: Basin Fruitland Coal

OBJECTIVE: Drill to a TD of 3977	md - topset FT with 7" casing and air dr	ill the Fruitland Coal in	terval.		
METHOD O	F DRILLING	APPROXIMATE	DEPTH	S OF GEOLOGIC	AL MARKER
TYPE OF TOOLS	DEPTH OF DRILLING	Estimated GL	6972	Estimated	KB: 6984
Rotary	0 – 3977' MD, 3989' KB	MARKER		SUBSEA	MEAS, DEPTH
LOG PR	ROGRAM	Ojo Alamo	1	4737	2235
		Kirtland]	4599	2373
		Fruitland	ĺ	3685	3287
TYPE	DEPTH INVERAL	Fruitland Coal	*#	3532	3440
Mud log & gas chromatograph	<u>3000 - 3977</u>	Pictured Cliffs	-	3143	3829
, 					
					,
		1			
		ł			
REMARKS:	films Emillional and internal than				
At TD and prior to completion of		1			
operator will FAX or email a cop lower basal Fruitland coal seam		Į	İ		
	Harraden @ 505-599- 8997 or				
chip_harraden@nm.blm.gov).		ļ	ŀ		
onp_nariodon@rinpari.gov).	•				
		l		l l	

		TOTALDELIA	_11	2995	3977
		# Probable comp	letion interval	* Possible Pay	
TYPE None	ECIAL TESTS	PRILL CUTTII FREQUENCY none	NG SAMPLES DEPTH none	DRILLING FREQUENCY Geolograph	TIME DEPTH 0-3977
REMARKS:					

MUD PROGRAM

Approx. Interv			Type Mud	Weight, #/ga Vis	s, sec/at	W/L cc's/30 min	Other Specification
120 - 3	120 3300 3977	(1)	Spud Water/LSND	8.6-9.2 8.6-9.2		<6 n a stable and clea	

REMARKS:

(1) The hole will require sweeps to keep unloaded while fresh water drilling. Let hole conditions dictate frequency.

CASING PROGRAM: (Normally, tubular goods allocation letter specifies casing sizes to be used. Hole sizes will be governed by Contract)								
Casing String	Estimated Depth	Casing Size	Grade			Landing Pt, Cmt, Etc.		
Surface/Conductor	120-	9-5/8"		1000	12.5"	1		
Intermediate	3300	7"		i i				
Production					8.75"	!		
DEMARKO			<u> </u>			L		

REMARKS:

(1) Circulate Cement to Surface

CORING	PROGRA	M:

None

COMPLETION PROGRAM:

Rigless, Single Stage Limited Entry Hydraulic Frac

GENERAL REMARKS:

Notify BLM/NMOCD 24 hours prior to Spud, BOP testing, and Casing and Cementing

Form 46 Reviewed by: Logging program reviewed by: N/A PREPARED BY: APPROVED: DATE:

BP America Production Company BOP Pressure Testing Requirements

Well Name: Arnaud A

County: San Juan

15

State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	2235		
Kirtland	2373		
Fruitland Coal	3440	500	٥
PC	3829	1300	458
Lewis Shale		.555	455
Cliff House			
Menefee Shale	4		
Point Lookout			
Mancos		·	
Dakota			

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

Requested BOP Pressure Test Exception: 850 psi

Cementing Program

	Well Name: Location: County: State:	Arnued A 1S Sec 17 - 32N - Ser Juan New Mexico	9W, 2280' F\$L	., 905" FEL		Field: API No. Well Flac Formation: KB Elev (est) GL Elev. (est)	Basin Fro		}		
1	Casing Program	:				1					
	Casing String	Est. Depth (ft.)	Hole Size (in.)	Casing Size (in.)	Thread	TOC (ft.)	Stage To Or TOL (Cmt Cir. Out (bbl.)		
	Surface	120	12.5	9.625	ST&C	Surface	NA				
	Production - Casing Propertie	3300	8,75	7	LT&C	Surface	NA NA		The section of the se		
	Casing String	ss: Size	•	Factor (ncluded)	Bures	0	4.5.40				
	Casing String	(in.)	Weight	Grade	Burst	Collapse	Joint St.	,	Capacity	Drift	
	Surface	9.62	(lb/ft)	2 H-40	(psi.) 227 ((1000 lbs.	•	(bbi/ft.)	(in.)	
	Production -	5.02			-237 0		00	254	0.0787		8.845
	rioggadon•		, 2	0 K-55	3740	22	70	234	0,0405		6.456
:	Mud Program			The second secon	, , , , , , , , , , , , , , , , , , , 						
	Apx. Interval	Mud Type	Mud Weight	1	Recomme	nded Mud Prop	adles Drin Co	manti	20.		
	(ft.)			•	PV	<20	3/10/3/1/10/09	шыш	101-		
					YP	<10					
	0-SCP	Water/Spud	8.6-9.	2	Fluid Loss	-					
	SCP - TD	Water/LSND	N/		. 10.0 2000	-0					
	SCP - TD	Gas/Air/N2/Mist									
											
=	Comenting Progra	am:						100	AC		
				Surface		Production					
	Excess %, Lead			100		40					
	Excess %, Tail			NA							
	DUCT (and dan E					40					
	BHST (est deg. F))		75		40 120					
	Special Instruction	ns 1. Do not wash ; 2. Wash pumps	•	75 1,6,7							
		ns 1. Do not wash :	and lines. est on Cement Pressure, and itometer with p surface if ceme	75 1,6,7 ss. Density on 3,5" ressurized mud sent is not circulate	scales ed.	120 2,4,6	ling plug.				
		1. Do not wash: 2. Wash pumps 3. Reverse out 4. Run Blend Te 5. Record Rate, 6. Confirm dens 7. 1" cement to 8. If cement is no	and lines. est on Cement Pressure, and itometer with p surface if ceme ot circulated to	75 1,6,7 ss. Density on 3,5" ressurized mud sent is not circulate surface, run term	scales ed. np. survey 10-	120 2,4,6 12 hr. after land					
· ·	Special Instruction	1. Do not wash 2. Wash pumps 3. Reverse out 4. Run Blend Te 5. Record Rate, 6. Confirm dens 7. 1" cement to 8. If cement is no	and lines. est on Cement Pressure, and itometer with p surface if ceme ot circulated to	75 1,6,7 ss. Density on 3,5" ressurized mud sent is not circulate surface, run term	scales ed. np. survey 10-	120 2,4,6 12 hr. after land		nmize	drillout.		
7	Special Instruction Notes:	1. Do not wash: 2. Wash pumps 3. Reverse out 4. Run Blend Te 5. Record Rate, 6. Confirm dens 7. 1" cement to 8. If cement is no	and lines. est on Cement Pressure, and itometer with p surface if ceme ot circulated to	75 1,6,7 ss. Density on 3,5" ressurized mud sent is not circulate surface, run term	scales ed. np. survey 10-	120 2,4,6 12 hr. after land production cem		nmizə	drillout.		
7	Special Instruction Notes:	1. Do not wash 2. Wash pumps 3. Reverse out 4. Run Blend Te 5. Record Rate, 6. Confirm dens 7. 1" cement to 8. If cement is no	and lines. est on Cement Pressure, and itometer with p surface if ceme ot circulated to	75 1,6,7 ss. Density on 3,5" ressurized mud sent is not circulate surface, run term	scales ed. np. survey 10- ore displacing	120 2,4,6 12 hr. after land production cem		nmizə		363	
7	Special Instruction	1. Do not wash 2. Wash pumps 3. Reverse out 4. Run Blend Te 5. Record Rate, 6. Confirm dens 7. 1" cement to 8. If cement is no	and lines. est on Cement Pressure, and itometer with p surface if ceme ot circulated to	75 1,6,7 ss. Density on 3,5" ressurized mud sent is not circulate surface, run term	scales ed. 1p. survey 10- ore displacing FreshWater	120 2,4,6 12 hr. after land production cem		nmize	9:	3 [3	
7	Special Instruction Notes:	1. Do not wash: 2. Wash pumps 3. Reverse out 4. Run Blend Te 5. Record Rate, 6. Confirm dens 7. 1" cement to: 8. If cement is no "Do not wash up Preflush Slurry 1	and lines. est on Cement Pressure, and itometer with p surface if ceme ot circulated to	75 1,6,7 ss. Density on 3,5" ressurized mud sont is not circulate surface, run term Wash lines before 20 bbl. sx Class G Cen	scales ed. np. survey 10- ore displacing FreshWater	120 2,4,6 12 hr. after land production cem		nmize	9:	3 [3 cut	
7	Special Instruction Notes:	1. Do not wash 2. Wash pumps 3. Reverse out 4. Run Blend Te 5. Record Rate, 6. Confirm dens 7. 1" cement to 8. If cement is no "Do not wash up	and lines. est on Cement Pressure, and itometer with p surface if ceme ot circulated to	75 1,6,7 1,6,7 25. Density on 3,5" ressurized mud sont is not circulate surface, run term Wash lines before 20 bbl. 20 bbl. 22 care a care	scales ed. np. survey 10- ore displacing FreshWater ment ccelerator)	120 2,4,6 12 hr. after land production cem	ent job to mir	nmize	9; 83	cuft	
7	Special Instruction Notes:	1. Do not wash: 2. Wash pumps 3. Reverse out 4. Run Blend Te 5. Record Rate, 6. Confirm dens 7. 1" cement to: 8. If cement is no "Do not wash up Preflush Slurry 1	and lines. est on Cement Pressure, and itometer with p surface if ceme ot circulated to	75 1,6,7 ss. Density on 3,5" ressurized mud sent is not circulate surface, run term Wash lines before 20 bbl. sx Class G Center 2% CaCl2 (ac 0.25 #/sk Cello)	scales ed. np. survey 10- ore displacing FreshWater ment ccelerator) phane Flake (I	120 2,4,6 12 hr. after land production cem	ent job to mir	nmize	9; 83		
To C	Special Instruction Notes: Surface:	1. Do not wash: 2. Wash pumps 3. Reverse out 4. Run Blend Te 5. Record Rate, 6. Confirm dens 7. 1" cement to: 8. If cement is no "Do not wash up Preflush Slurry 1	and lines. est on Cement Pressure, and itometer with p surface if ceme ot circulated to o on top of plug	75 1,6,7 1,6,7 25. Density on 3,5" ressurized mud sont is not circulate surface, run term Wash lines before 20 bbl. 20 bbl. 22 care a care	scales ed. np. survey 10- ore displacing FreshWater ment ccelerator) phane Flake (lipem	120 2,4,6 12 hr. after land production cem	ent job to mir	nmize	9; 83	cuft	
To C	Special Instruction Notes:	1. Do not wash: 2. Wash pumps 3. Reverse out 4. Run Blend Te 5. Record Rate, 6. Confirm dens 7. 1" cement to: 8. If cement is no "Do not wash up Preflush Slurry 1	and lines. est on Cement Pressure, and itometer with p surface if ceme ot circulated to o on top of plug 80 Density	75 1,6,7 ss. Density on 3,5" ressurized mud sent is not circulate surface, run term Wash lines before 20 bbl. sx Class G Center 2% CaCl2 (ac 0.25 #/sk Cello)	scales ed. np. survey 10- ore displacing FreshWater ment ccelerator) phane Flake (lipam Yield	120 2,4,6 12 hr. after land production cem	ent job to mir additive) Water	nmize	9; 83	cuft	
To C	Special Instruction Notes: Surface:	1. Do not wash: 2. Wash pumps 3. Reverse out 4. Run Blend Te 5. Record Rate, 6. Confirm dens 7. 1" cement to a 8. If cement is re "Do not wash up Preflush Slurry 1 TOC@Surface	and lines. est on Cement Pressure, and itometer with p surface if come ot circulated to o on top of plug Bonsity (lb/gal)	75 1,6,7 ss. Density on 3,5" oressurized mud sent is not circulate surface, run term 20 bbl. sx Class G Center 2% CaCl2 (ac 0.25 #/sk Cellog 0.1% D46 antifo	scales ed. np. survey 10- ore displacing FreshWater ment ccelerator) phane Flake (loam Yield (ft3/sk)	120 2,4,6 12 hr. after land production cem	ent job to mir additive) Water (gal/sk)		9; 83	cuft	
To C	Special Instruction Notes: Surface:	1. Do not wash: 2. Wash pumps 3. Reverse out 4. Run Blend Te 5. Record Rate, 6. Confirm dens 7. 1" cement to: 8. If cement is no "Do not wash up Preflush Slurry 1	and lines. est on Cement Pressure, and itometer with p surface if ceme ot circulated to o on top of plug 80 Density	75 1,6,7 ss. Density on 3,5" oressurized mud sent is not circulate surface, run term 20 bbl. sx Class G Center 2% CaCl2 (ac 0.25 #/sk Cellog 0.1% D46 antifo	scales ed. np. survey 10- ore displacing FreshWater ment ccelerator) phane Flake (lipam Yield	120 2,4,6 12 hr. after land production cem	ent job to mir additive) Water (gal/sk)	nmize	9; 83	cuft	
ī.	Special Instruction Notes: Surface: S(7)	1. Do not wash: 2. Wash pumps 3. Reverse out 4. Run Blend Te 5. Record Rate, 6. Confirm dens 7. 1" cement to: 8. If cement is no "Do not wash up Preflush Slurry 1 TOC@Surface	and lines. est on Cement Pressure, and itometer with p surface if ceme ot circulated to o on top of plug Bonsity (lb/gal) 15.8	75 1,6,7 ss. Density on 3,5" oressurized mud sent is not circulate surface, run term Wash lines before 20 bbl. sx Class G Center 2% CaCl2 (ac 0.25 #/sk Cello) 0.1% D46 antiform	scales ed. np. survey 10- ore displacing FreshWater ment ccelerator) phane Flake (loam Yield (ft3/sk)	120 2,4,6 12 hr. after land production cem	ent job to mir additive) Water (gal/sk)		9; 83	cuft	
ī.	Special Instruction Notes: Surface:	1. Do not wash: 2. Wash pumps 3. Reverse out 4. Run Blend Te 5. Record Rate, 6. Confirm dens 7. 1" cement to: 8. If cement is no "Do not wash up Preflush Slurry 1 TOC@Surface	and lines. est on Cement Pressure, and itometer with p surface if ceme ot circulated to o on top of plug Density (lb/gal) 15.8 9-5/8", 8R, ST	75 1,6,7 ss. Density on 3,5" ressurized mud sent is not circulate surface, run term 20 bbl. 20 bbl. 20 bbl. 22 cacl2 (ac 0.25 #/sk Celloj 0.1% D46 antifo	scales ed. np. survey 10- ore displacing FreshWater ment ccelerator) phane Flake (loam Yield (ft3/sk)	120 2,4,6 12 hr. after land production cem	ent job to mir additive) Water (gal/sk)		9; 83	cuft	
ī.	Special Instruction Notes: Surface: S(7)	1. Do not wash: 2. Wash pumps 3. Reverse out 4. Run Blend Te 5. Record Rate, 6. Confirm dens 7. 1" cement to: 8. If cement is no "Do not wash up Preflush Slurry 1 TOC@Surface	and lines. est on Cement Pressure, and itometer with p surface if come ot circulated to o on top of plug Density (lb/gal) 15.8 9-5/8", 8R, S1 1 Guide Shoe	75 1,6,7 es. Density on 3.5" oressurized mud sent is not circulate surface, run term Wash lines before 20 bbl. ex Class G Center 2% CaCl2 (ac 0.25 #/sk Cellog 0.1% D46 antiform	scales ed. np. survey 10- ore displacing FreshWater ment ccelerator) phane Flake (loam Yield (ft3/sk)	120 2,4,6 12 hr. after land production cem	ent job to mir additive) Water (gal/sk)		9; 83	cuft	
ī.	Special Instruction Notes: Surface: S(7)	1. Do not wash: 2. Wash pumps 3. Reverse out 4. Run Blend Te 5. Record Rate, 6. Confirm dens 7. 1" cement to: 8. If cement is no "Do not wash up Preflush Slurry 1 TOC@Surface	and lines. est on Cement Pressure, and itometer with p surface if ceme ot circulated to o on top of plug Density (lb/gal) 15.8 9-5/8", 8R, S1 1 Guide Shoe 1 Top Woode	75 1,6,7 ss. Density on 3,5" ressurized mud sent is not circulate surface, run term 20 bbl. 20 bbl. 3x Class G Cent 2% CaCl2 (ac 0,25 #/sk Celloj 0,1% D46 antifo	scales ed. np. survey 10- ore displacing FreshWater ment ccelerator) phane Flake (loam Yield (ft3/sk)	120 2,4,6 12 hr. after land production cem	ent job to mir additive) Water (gal/sk)		9; 83	cuft	
ī.	Special Instruction Notes: Surface: S(7)	1. Do not wash: 2. Wash pumps 3. Reverse out 4. Run Blend Te 5. Record Rate, 6. Confirm dens 7. 1" cement to: 8. If cement is no "Do not wash up Preflush Slurry 1 TOC@Surface	and lines. est on Cement Pressure, and itemeter with p surface if come ot circulated to o on top of plug Bonsity (lb/gal) 15.8 9-5/8", 8R, S1 1 Guide Shoe 1 Top Woode 1 Autofill inser	75 1,6,7 es. Density on 3.5" (ressurized mud s ent is not circulate surface, run terre 20 bbl. 20 bbl. Ex Class G Cen + 2% CaCl2 (ac 0.25 #/sk Cellog 0.1% D46 antifo	scales ed. np. survey 10- ore displacing FreshWater ment eccelerator) phane Flake (il com Yield (ft3/sk) 1.16	120 2,4,6 12 hr. after land production cem	ent job to mir additive) Water (gal/sk)		9; 83	cuft	
ī.	Special Instruction Notes: Surface: S(7)	1. Do not wash: 2. Wash pumps 3. Reverse out 4. Run Blend Te 5. Record Rate, 6. Confirm dens 7. 1" cement to: 8. If cement is no "Do not wash up Preflush Slurry 1 TOC@Surface	and lines. est on Cement Pressure, and itometer with p surface if ceme ot circulated to o on top of plug Bonsity (lb/gal) 15.8 9-5/8", 8R, S1 1 Guide Shoe 1 Top Woode 1 Autofill inser Centralizers,	75 1,6,7 ss. Density on 3,5" ressurized mud sent is not circulate surface, run term 20 bbl. 20 bbl. 3x Class G Cent 2% CaCl2 (ac 0,25 #/sk Celloj 0,1% D46 antifo	scales ed. np. survey 10- ore displacing FreshWater ment eccelerator) phane Flake (il com Yield (ft3/sk) 1.16	120 2,4,6 12 hr. after land production cem	ent job to mir additive) Water (gal/sk)		9; 83	cuft	
ī.	Special Instruction Notes: Surface: S(7)	1. Do not wash: 2. Wash pumps 3. Reverse out 4. Run Blend Te 5. Record Rate, 6. Confirm dens 7. 1" cement to: 8. If cement is no "Do not wash up Preflush Slurry 1 TOC@Surface	and lines. est on Cement Pressure, and itemeter with p surface if come ot circulated to o on top of plug Bonsity (lb/gal) 15.8 9-5/8", 8R, S1 1 Guide Shoe 1 Top Woode 1 Autofill inser	75 1,6,7 1,6	scales ed. np. survey 10- ore displacing FreshWater ment eccelerator) phane Flake (il com Yield (ft3/sk) 1.16	120 2,4,6 12 hr. after land production cem	ent job to mir additive) Water (gal/sk)		9; 83	cuft	

Cementing Program

Production:	Fresh Water	10 Ы	CW100_		
		7"	166		
		1	(400
	Lead		230 sx Class "G" Ceme	nţ	585 cuft
	Slurry 1		+ 3% D79 extender	•	
	TOC@Surface		+ 2% S1 Calcium C	Chloride	
			+1/4 #/sk, Cellopha	ine Fiske	
			+ 0.1% D46 antifoa	m'	114
	Tail		90 ax 50/50 Class "G"/	Poz	105 cuft
	Slurry 2		 2% gel (extender))	
	500 ft fill		0.1% D46 antifoam		0.1503 cuft/ft OH
			+1/4 #/sk. Cellopha		0.1746 cutt/ft csg ann
			+ 2% CaCl2 (accele	erator)	
Slurry Properties:	Density		Yield	Water	
	(lb/gal)		(ft3/sk)	(gal/sk)	
Slurry 1	11.4	ı	2.61	17.77	Λ >
Slurry 2	13.5	1	1.27	5.72	714 63
Casing Equipmen	ti 7", 8R, S	T&C			
	1 Float S	inoe (autofill with	minimal LCM in mud)		
	1 Float C	collar (autofill with	minimal LCM in mud)		
	1 Top Ru	ibber Plug			
	1 Thread	Lock Compound			