UNITE	ED STATES	RECEIVED		FORM APP OMB No. 10 Expires Novem	004-0136
DEPARTMENT BUREAU OF L	OF THE INTERIOR AND MANGEMENT	TABLAMBIA AN YE	39 5.	Lease Serial No. SF - 08	
APPLICATION OFOR PER	MIT TO DRILL OR	reeneter .070 Familiooton_N	6.	If Indian, Allottee or tribe	Name
la. Type of Work: X DRILL	REENTER	<u> </u>	7.	If Unit or CA Agreement,	Name and No
lb. Type of Well: Oil Well XGas Well Gas	Other	Single Zone X Multiple 2	Zone 8.	Lease Name and Well No Gartner I	
2. Name of Operator	omnony Attn	Many Carloy	9.	API Well No.	21843
BP America Production C		: Mary Corley	<del></del>	30045	
3a. Address P.O. Box 3092 Houston, Texas 77253	3b. Phone	No. (include area code) 281-366-4491	ľ	Field and Pool, or Explora Asin Dakota & Blanco	•
4. Loction of Well (Report location clearly and in	accordance with any	State requirements.*)	X 11	Sec., T., R., M., or Blk, a	
7 90 14 96 At surface <b>389</b> FSL & <b>1820</b> FEL				, , , , ,	Ž
At proposed prod. Zone	·	2 Can Starten		O Sec. 33, T30N	, R08W
14. Distance in miles and direction from nearest tow  20 miles from	n or post office* \\ n Bloomfield, NM	DIST. 3	12.	County or Parish San 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)	820'	10. Acres in lease 320	17. Spac	ing Unit dedicated to this v	rell F/2
<ol> <li>Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.</li> </ol>	1000'	19. Proposed Depth <b>7635</b> '	20. BLM	/BIA Bond No. on file	4
21. Elevations (show whether DF, KDB., RT, GL, e		22. Approximate date work w		23. Estimated duratio	
- 6400 GL 638	<u> </u>	September 20, 20	03	7	Days
		24. Attachments			
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on Na SUPO shall be filed with the appropriate Forest.</li> </ol>	tional forest System	4. Bond to cover 20 above). 5. Operator certi	r the operation fication.	ns unless covered by an ex	as may be required by the
25. Signature	Name (Prin	** '		Date	
Title Title	<del></del>	Mary Corley		08/1	3/2003
1 III	Se	nior Regulatory Analyst			
Apple Devidude Mankiewicz	Name (Printed/T)			Date DEC - 1 20	003
Title	Office				
Application approval does not warrant or certify the a Operations thereon.  Conditions of approval, if any, are attached.	pplicant holds legal or	equitable title to those rights in the	ne subject lea	se which would entitle the	applicant to conduct
Title 18 U.S.C. Section 1001 and title 43 U.S.C. Secti			willfully to r	nake to any department or	agency of the United States

\*(Instructions on reverse)

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED TO NEED TO REQUESEMENTS.".

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
District III
1000 Rlo Brazos Rd., Azzec, NM 87410
District IV
PO Box 2088, Santa Pe, NM 87504-2088

12 Dedicated Acres

Joint or Infill

Consolidation Code

# 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

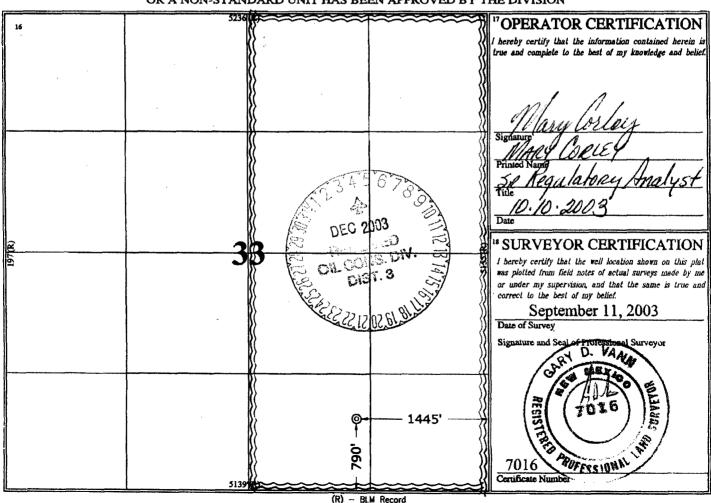
#### WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number	Pool Code		Pool Name	1
30.045-3	1843 71599 72319	BASIN DAKOTA ?	BLANCO M	ESAVERDE
Property Code		Property Name		Well Number
000591	GARTNER LS	<u>·</u>		# 9M
7 OGRID No.	•	Operator Name		<sup>9</sup> Elevation
000278	BP AMERICA PROD	UCTION COMPANY		6383

#### Surface Location

UL or Lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	Hast/West line	County
0	33	30 N	8 W		790	SOUTH	1445	EAST	SAN JUAN
			Bott	om Hole	Location If	Different Fron	n Surface		
7 UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Peet from the	Enst/West hos	County

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



Form 3160-5 (August 1999)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

F .

FORM APPROVED OMB NO. 1004-0135 Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS	
Do not use this form for proposals to drill or to re-enter an	n
abandoned well. Use form 3160-3 (APD) for such proposal	

5. Lease Serial No. NMSF080597

abandoned wel	I. Use form 3160-3 (APD) for	such proposals.	6. If Indian, Allottee	or Tribe Name
SUBMIT IN TRII	PLICATE - Other instructions	on reverse side.	7. If Unit or CA/Agr	eement, Name and/or No.
1. Type of Well ☐ Oil Well ☐ Gas Well ☐ Oth	ıer		8. Well Name and No GARTNER LS 9	
2. Name of Operator	Contact: MAR	YCORLEY	9. API Well No.	
BP AMERICA PRODUCTION		l: corleyml@bp.com		531843
3a. Address P. O. BOX 3092 HOUSTON, TX 77253	Ph:	Phone No. (include area code 281.366.4491 281.366.0700	BASIN DAKOT BLANCO MES	TA AVERDE
4. Location of Well (Footage, Sec., T	., R., M., or Survey Description)		11. County or Parish	, and State
Sec 33 T30N R8W SWSE 790	OFSL 1445FEL		SAN JUAN CO	DUNTY, NM
12. CHECK APPE	ROPRIATE BOX(ES) TO INI	DICATE NATURE OF	NOTICE, REPORT, OR OTHE	ER DATA
TYPE OF SUBMISSION		ТҮРЕ О	F ACTION	
Notice of Intent	□ <sup>Acidize</sup>	□ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
_	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	Other Change to Original A
☐ Final Abandonment Notice	Change Plans	□ Plug and Abandon	☐ Temporarily Abandon	PD
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	
Original APD was submitted of Change Drilling location from C-102. Amended notice of standard Also attached are amended DBR is currently using 3% CaC 50 min and 500 psi after 3 hrs (BOP) nipole up operations at	nendments to our Application for August 13, 2003 - Permit sti 820' FSL & 1820' FEL to: 790' aking submitted on 10-02-2003 crilling and Completion Program 12 in our slurry and achieves 3 s 8 min. Therefore, we request ter a 2 hour weit on cement tire to pai compressive strength with the strength will be	Il Pending.  FSL & 1445' FEL as pe  3.  n and Proposed Cemer  00 psi compressive stre  approval to initiate bloy  ne in lieu of the 6 hour	er attached Form  OFC  Inting Program.  Ingth after 1 hr  wout preventer  ime frame	Second Second
	Electronic Submission #2416 For BP AMERICA PRO mitted to AFMSS for processing	DDUCTION CO, sent to the by ADRIENNE GARCIA of	ne Farmington on 10/22/2003 (04AXG1605SE)	
Name (Printed/Typed) MARY CC	DRLEY	Title AUTH	DRIZED REPRESENTATIVE	
Signature (Electronic S	Submission)	Date 10/14/2	2003	
	THIS SPACE FOR F	EDERAL OR STATE	OFFICE USE	
/a/ David J. Manki	ewicz	Title		DEC - 1 2003
Conditions of approval, if any, are attache certify that the applicant holds legal or equivalent would entitle the applicant to condition	uitable title to those rights in the subjuct operations thereon.	Office		
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent	U.S.C. Section 1212, make it a crime statements or representations as to an	e for any person knowingly ar y matter within its jurisdiction	nd willfully to make to any department n.	or agency of the United

#### **BP AMERICA PRODUCTION COMPANY DRILLING AND COMPLETION PROGRAM**

Prospect Name: Gartner LS

Well No: 9M

Surface Location: 33-30N-8W, 820 FSL, 1820 FEL

Lease: Gartner
County: San Juan State: New Mexico

Field: Blanco Mesaverde/Basin Dakota Bottom Location: 33-30N-8W, 820 FSL, 1820 FEL

	иехісо 18, 2003	3		Bo	ttom Location:	33-3UN-	8VV, 82U F	'SL, 1820	r E L
OBJECTIVE: Drill 230' belo	ow the top	of the Two We	lls Mbr.,	Dakota Fm.,	set 41/2" productio	n liner, Stimu	late DK, CH,	MF and PL i	ntervals
METH	OD OF	DRILLING			APPROXIMA	ATE DEPT	HS OF GE	OLOGIC/	AL MARKER
TYPE OF TOOLS	Ε	DEPTH OF E	DRILLI	NG	Estimated	GL: 640	8' 1	Estimated	KB: 6422'
Rotary		) - TD			MARKER			<b>I</b> D	Subsea
	OG PRO				Ojo Alamo			91'	4431'
TYPE		DEPTH INVE	2ΔΙ		Kirtland			80'	4242'
OPEN HOLE	•	JE: !!!!!!	\\\L		Fruitland			683' ·	3740'
None					Fruitland Coa			16'	- 3506'
146116					Pictured Cliffs			24'	3298'
					Lewis	#		62'	3060'
CASED HOLE					Cliff House	#		24'	1798'
GR-CCL-TDT	7	TDT – TD to 7	" shoe		Menefee	#	49		1492'
CBL		dentify 4 1/2" o		top	Point Lookout	t   #		808'	1115'
		•		•	Mancos		56	78'	744'
					Greenhorn	į		<b>305</b> '	-883'
					Bentonite ma			60'	-938'
					Two Wells Mi			105'	-983′
REMARKS:					Paguate Mbr			608'	-1086'
- Please report any flares (	magnitud	e & duration).			Upper Cubero			28'	-1106'
					Lower Cubero			551'	-1129'
					Encinal Cany			93'	-1171'
					TOTAL DEPT			35'	-1218'
					# Probable co	ompletion in	terval	* Possible	Pay
SI	PECIAL	TESTS			DRILL CUT	TING SAM	/IPLES	DRIL	LING TIME
TYPE					FREQUENC	Y DEPT	Ή []	FREQUEN	ICY DEPTH
None					None	Produc	tion Hole 📗	Geolograph	0-TD
REMARKS:									
MUD PROGRAM:					•				
Approx. Interval		Type Mud		Weight, #/gal	Vis, sec/qt	W/L cc	's/30 min	Other	Specification
0 - 120		Spud		8.6-9.2					
120 - 3462	(1)	Water/LSN	D	8.6-9.2		<6			
3462 - 7635		Gas/Air/N2	/Mist	Volume :	sufficient to mair	ntain a stab	ole and cle	an wellbor	e
REMARKS:									
(1) The hole will require s	sweeps t	to keep unloa	aded w	hile fresh	water drilling. Lo	et hole con	ditions dic	tate freque	ency.
CASING PROGRAM: (N	lormally, tu	ubular goods all	ocation	letter specific	es casing sizes to be	e used. Hole	sizes will be	governed by	Contract)
Casing String	Estima	ted Depth	Casir	ng Size	Grade	Weight	Hole Siz		ing Pt, Cmt, Etc.
Surface/Conductor		120		9 5/8"	H-40 ST&C	32#	13.	5" 1	
Intermediate		3462		7"	J/K-55 ST&C	20#	8.7		
Production		7635		4 1/2"	J-55	11.6#	6.2		
REMARKS:		لـــــ تـــــــــــــــــــــــــــــــ			<del></del>				
(1) Circulate Cement to S	Surface								
(2) Set casing 100' into L		ale							
(2) Pring coment 100' of									

#### (4) 100' Overlap **CORING PROGRAM:**

None

**COMPLETION PROGRAM:** 

(3) Bring cement 100' above 7" shoe

Rigless, 3-4 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: July 18, 2003 HGJ/MNP/JMP Version 1.0 Form 46 12-00 MNP

### **BP America Production Company BOP Pressure Testing Requirements**

Well Name: Gartner LS

County: San Juan

9 M

State: New Mexico

Formation	Est. MD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1991'		
Fruitland Coal	2916'		
PC	3124'		
Lewis Shale	3361'		
Cliff House	4624'	500	0
Menefee Shale	4930'		
Point Lookout	5308'	600	0
Mancos	5678'		
Dakota	7405'		1
TD	7635'	2600	1500

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

Requested BOP Pressure Test Exception: 1500 psi

**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 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 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",3000 psi double ram preventer with rotating head.

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:	Gartner LS 9M 33-30N-08W, 79 San Juan New Mexico	0 FSL, 1415 F	EL		Field: API No. Well Flac Formation: KB Elev (e GL Elev. (e	est)			rde / Basin Dal		
Casing Program:						-					
Casing String	Est. Depth	Hole Size	Casing Size	Thread	TOC		Stage Too		Cmt Cir. Out		
Surface	(ft.) 120	(in.) 13.5	(in.) 9.625	ST&C	(ft.) Surface		Or TOL (fi	)	(bbl.)		
Intermediate	3462	8.75	7	LT&C	Surface		NA				
Production -	7635	6.25	4.5	ST&C	3362		NA				
Casing Propertie		(No Safety Fa	actor Included)								
Casing String	Size	Weight	Grade	Burst	Collapse		Joint St.		Capacity	Drift	
	(in.)	(lb/ft)		(psi.)	(psi.)		(1000 lbs.	)	(bbl/ft.)	(in.)	
Surface	9.625	5 32	H-40	2270	ı	1400		254	0.0787		8.845
Intermediate			K-55	3740		2270		234			6.456
Production -	4.5	5 11.6	3 J-55	5350	ł	4960		154	0.0155		3.875
Mud Program						<del>,</del>					
Apx. Interval	Mud Type	Mud Weight		Recommo	ended Mud	Proner	ties Prio C	ement	tina:		
(ft.)	maa iypo	waa wagii		PV	<20	1 TOPCI	1100	J1110111	<u></u>		
. /				YP	<10						
0 - SCP	Water/Spud	8.6-9.2	<u>?</u>	Fluid Los	s <15						
SCP - ICP	Water/LSND	8.6-9.2	?								
ICP - ICP2	Gas/Air Mist	NA	<u>.</u>								
ICP2 - TD	LSND	8.6 - 9.2	<u> </u>								
Cementing Progra	ım:										
F			Surface		Interme				Production		
Excess %, Lead			100 NA		75 0				40 40		
Excess %, Tail BHST (est deg. F	١		75		120	,			183		
Special Instruction	•		1,6,7		1,6,		•		2,4,6		
	1. Do not wash p 2. Wash pumps 3. Reverse out 4. Run Blend Te 5. Record Rate, 6. Confirm densi 7. 1" cement to s 8. If cement is no	and lines. st on Cement Pressure, and tometer with pr surface if ceme	Density on 3.5" ressurized mud s	scales ed.	0-12 hr. afte	er landi	ng plug.				
Notes:	*Do not wash up	on top of plug	. Wash lines bef	ore displacir	ng productio	n cem	ent job to n	ninmiz	te drillout.	<del></del>	
	-			•							
Surface:	Preflush		20 bbl.	FreshWa	ter						
	Slurry 1	110	sx Class G Ce	ment					117	cuft	
	TOC@Surface		+ 3% CaCl2 (a						• • • • • • • • • • • • • • • • • • • •	ount	
			0.25 #/sk Cello 0.1% D46 antif	phane Flake	e (lost circul	lation a	idditive)		0.4887	cuft/ft	ОН
Slurry Properties:		Density		Yield			Water				
		(lb/gal)		(ft3/sk)			(gal/sk)				
	Slurry 1	15.8	3	1.16	i			4.95			
Casing Equipmen	t:	Centralizers, 1 Stop Ring	е	ot top joint							

## **Cementing Program**

	Fresh Water	20 bbi	fresh water					
	Lead		300 sx Class "G" Cei	ment	768 cuft			
	Slurry 1		+ 3% D79 extend		roo can			
	TOC@Surface		+ 2% S1 Calcium					
			+1/4 #/sk. Cellophane Flake					
			+ 0.1% D46 antii					
	Tail		60 sx 50/50 Class "		75 cuft			
	Slurry 2		+ 2% gel (extend					
	-	00 ft fill	0.1% D46 antifo	•	0.1503 cuft/ft OH			
			+1/4 #/sk. Cellor	ohane Flake	0.1746 cuft/ft csg and			
			+ 2% CaCl2 (acc	celerator)	· ·			
Slurry Properties:		Density	Yield	Water				
orany r reperties.		(lb/gal)	(ft3/sk)	(gal/sk)				
Slurry 1		11.4	2.61	(gai/sk) 17.77				
Slurry 2		13.5	1.27	5.72				
<u>-</u>		10.0	1.21	5.12				
Casing Equipment	:	7", 8R, ST&C						
		1 Float Shoe (autofill wi	•					
		•	ith minimal LCM in mud)					
		1 Stop Ring						
		· · · · · · · · · · · · · · · · · · ·	middle of first joint, then o	every third collar)				
		2 Fluidmaster vane cen	talizers @ base of Ojo					
		1 Top Rubber Plug						
Dan derektorer		1 Thread Lock Compou	na					
Production:	Fresh Water	10 bbl	CW100					
	i icon i i atçı	10 001	C 4 4 1 0 0					
	Lead		160 LiteCrete D961 /	/ D124 / D154	390 cuft			
	Lead Slurry 1		160 LiteCrete D961 / + 0.03 gps D47 a		390 cuft			
		ve 7" shoe		antifoam	390 cuft			
	Slurry 1	ve 7" shoe	+ 0.03 gps D47	antifoam id loss	390 cuft			
	Slurry 1	ve 7" shoe	+ 0.03 gps D47 a + 0.5% D112 flui	antifoam id loss C	390 cuft 209 cuft			
	Slurry 1 TOC, 100' abov	ve 7" shoe	+ 0.03 gps D47 a + 0.5% D112 flui + 0.11% D65 Ti0	antifoam id loss C G"/Poz				
	Slurry 1 TOC, 100' abov Tail Slurry 2	ve 7" shoe 57 ft fill	+ 0.03 gps D47 a + 0.5% D112 flui + 0.11% D65 TI0  150 sx 50/50 Class "	antifoam id loss C G"/Poz xtender)	209 cuft			
	Slurry 1 TOC, 100' abov Tail Slurry 2		+ 0.03 gps D47 a + 0.5% D112 flui + 0.11% D65 TI0  150 sx 50/50 Class " + 5% D20 gel (e + 0.1% D46 antil	antifoam id loss C G"/Poz xtender) foam	209 cuft + 5 #/sk D24 gilsonite + 0.15% D65 TIC			
	Slurry 1 TOC, 100' abov Tail Slurry 2		+ 0.03 gps D47 a + 0.5% D112 flui + 0.11% D65 T10  150 sx 50/50 Class " + 5% D20 gel (e + 0.1% D46 antii + 1/4 #/sk. Cello	antifoam id loss C G"/Poz xtender) foam phane Flake	209 cuft + 5 #/sk D24 gilsonite			
	Slurry 1 TOC, 100' abov Tail Slurry 2		+ 0.03 gps D47 a + 0.5% D112 flui + 0.11% D65 TI0  150 sx 50/50 Class " + 5% D20 gel (e + 0.1% D46 antil	antifoam id loss C G"/Poz xtender) foam phane Flake	209 cuft + 5 #/sk D24 gilsonite + 0.15% D65 TIC + 0.1% D800 retarder			
Slurry Properties:	Slurry 1 TOC, 100' abov Tail Slurry 2	57 ft fill	+ 0.03 gps D47 a + 0.5% D112 flui + 0.11% D65 TI6  150 sx 50/50 Class " + 5% D20 gel (e: + 0.1% D46 antii + 1/4 #/sk. Cello + 0.25% D167 F	antifoam id loss C G"/Poz xtender) foam phane Flake luid Loss	209 cuft + 5 #/sk D24 gilsonite + 0.15% D65 TIC			
Slurry Properties:	Slurry 1 TOC, 100' abov Tail Slurry 2	57 ft fill Density	+ 0.03 gps D47 a + 0.5% D112 flui + 0.11% D65 Tl0  150 sx 50/50 Class " + 5% D20 gel (e + 0.1% D46 antii + 1/4 #/sk. Cello + 0.25% D167 F	antifoam id loss C G"/Poz xtender) foam phane Flake luid Loss Water	209 cuft + 5 #/sk D24 gilsonite + 0.15% D65 TIC + 0.1% D800 retarder 0.1026 cuft/ft OH			
Slurry Properties:	Slurry 1 TOC, 100' abov Tail Slurry 2	57 ft fill  Density (lb/gal)	+ 0.03 gps D47 a + 0.5% D112 flui + 0.11% D65 TI6  150 sx 50/50 Class " + 5% D20 gel (e: + 0.1% D46 antii + 1/4 #/sk. Cello + 0.25% D167 F  Yield (ft3/sk)	antifoam id loss C G"/Poz xtender) foam phane Flake 'luid Loss  Water (gal/sk)	209 cuft + 5 #/sk D24 gilsonite + 0.15% D65 TIC + 0.1% D800 retarder			
Slurry 1	Slurry 1 TOC, 100' abov Tail Slurry 2	57 ft fill  Density (lb/gal) 9.5	+ 0.03 gps D47 a + 0.5% D112 flui + 0.11% D65 TI6  150 sx 50/50 Class " + 5% D20 gel (e + 0.1% D46 antii + 1/4 #/sk. Cello + 0.25% D167 F  Yield (ft3/sk) 2.52	antifoam id loss C G"/Poz xtender) foam phane Flake iluid Loss  Water (gal/sk) 6.38	209 cuft + 5 #/sk D24 gilsonite + 0.15% D65 TIC + 0.1% D800 retarder 0.1026 cuft/ft OH 0.1169 cuft/ft csg and			
Slurry Properties: Slurry 1 Slurry 2	Slurry 1 TOC, 100' abov Tail Slurry 2	57 ft fill  Density (lb/gal)	+ 0.03 gps D47 a + 0.5% D112 flui + 0.11% D65 TI6  150 sx 50/50 Class " + 5% D20 gel (e: + 0.1% D46 antii + 1/4 #/sk. Cello + 0.25% D167 F  Yield (ft3/sk)	antifoam id loss C G"/Poz xtender) foam phane Flake 'luid Loss  Water (gal/sk)	209 cuft + 5 #/sk D24 gilsonite + 0.15% D65 TIC + 0.1% D800 retarder 0.1026 cuft/ft OH			
Slurry 1	Slurry 1 TOC, 100' abov Tail Slurry 2	57 ft fill  Density (lb/gal) 9.5	+ 0.03 gps D47 a + 0.5% D112 flui + 0.11% D65 TI6  150 sx 50/50 Class " + 5% D20 gel (e + 0.1% D46 antii + 1/4 #/sk. Cello + 0.25% D167 F  Yield (ft3/sk) 2.52	antifoam id loss C G"/Poz xtender) foam phane Flake iluid Loss  Water (gal/sk) 6.38	209 cuft + 5 #/sk D24 gilsonite + 0.15% D65 TIC + 0.1% D800 retarder 0.1026 cuft/ft OH 0.1169 cuft/ft csg and			
Slurry 1 Slurry 2	Slurry 1 TOC, 100' abov Tail Slurry 2	Density (lb/gal) 9.5	+ 0.03 gps D47 a + 0.5% D112 flui + 0.11% D65 TI0  150 sx 50/50 Class " + 5% D20 gel (e. + 0.1% D46 antii + 1/4 #/sk. Cello + 0.25% D167 F  Yield (ft3/sk) 2.52 1.44	antifoam id loss C G"/Poz xtender) foam phane Flake iluid Loss  Water (gal/sk) 6.38	209 cuft + 5 #/sk D24 gilsonite + 0.15% D65 TIC + 0.1% D800 retarder  0.1026 cuft/ft OH  0.1169 cuft/ft csg and			
Slurry 1 Slurry 2	Slurry 1 TOC, 100' abov Tail Slurry 2	Density (lb/gal) 9.5 13 4-1/2", 8R, ST&C 1 Float Shoe (autofill wi	+ 0.03 gps D47 a + 0.5% D112 flui + 0.11% D65 TI0  150 sx 50/50 Class " + 5% D20 gel (e. + 0.1% D46 antii + 1/4 #/sk. Cello + 0.25% D167 F  Yield (ft3/sk) 2.52 1.44	antifoam id loss C G"/Poz xtender) foam phane Flake iluid Loss  Water (gal/sk) 6.38	209 cuft + 5 #/sk D24 gilsonite + 0.15% D65 TIC + 0.1% D800 retarder  0.1026 cuft/ft OH  0.1169 cuft/ft csg and			
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Slurry 1 Slurry 2	Slurry 1 TOC, 100' abov Tail Slurry 2	Density (lb/gal) 9.5 13 4-1/2", 8R, ST&C 1 Float Shoe (autofill wi 1 Stop Ring	+ 0.03 gps D47 a + 0.5% D112 flui + 0.11% D65 TI0  150 sx 50/50 Class " + 5% D20 gel (e. + 0.1% D46 antii + 1/4 #/sk. Cello + 0.25% D167 F  Yield (ft3/sk) 2.52 1.44  th minimal LCM in mud)	antifoam id loss C G"/Poz xtender) foam phane Flake iluid Loss  Water (gal/sk) 6.38 6.5	209 cuft + 5 #/sk D24 gilsonite + 0.15% D65 TIC + 0.1% D800 retarder  0.1026 cuft/ft OH  0.1169 cuft/ft csg and			
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