B. Proposed Cement Program (Continued):

CASING	LEAD SLURRY				TAIL SLURRY			DISPLACEMENT
5 ½"	5 ½" 565 sacks (35:65) Poz (Fly			250 sacks Class C Cement + 3%			100.2 bbls Fresh	
	Ash): Class C Cement + 5			bwo	bwow Potassium Chloride			Water @
	lbs/sack Sodium Chloride +			+0.2	+0.2% bwoc CD-32 + 0.6%			8.33 ppg
	0.003 gps FP-6L + 6% bwoc			bwo	bwoc FL-62 + 0.2% bwoc			
	Bentonite + 99% Fresh Water;				Sodium Metasilicate + 56.6%			
	1091 Vol. Cu Ft				Fresh Water			
	1.93 Vol. Factor				338 Vol. Cu Ft			
	Slurry Weight (ppg) 12.7				1.35 Vol. F			
	Slurry Yield (cf/sack) 1.93				Shurry Weight (ppg) 14.3			
	Amount of Mix Water (gps)				ry Yield (cf/sac			
	10.33;				ount of Mix Wa			
	Amount of Mix Fluid (gps)				6.38;			
	10.33;				ount of Mix Flui			
	Estimated Pumping Time - 70				mated Pumping			
BC (HH:MM)-3:00;					BC (HH:MN			
	Free Water (mls) @ 98 Deg. F				Free Water (mls) @ 98 Deg. F			
	@ 90 Deg. Angle: 1.8;				@ 90 Deg. Angle: 0.0;			
Fluid Loss (cc/30 min) at 1000				Fluid	Fluid Loss (cc/30 min) at 1000			
psi and 98 Deg. F:					psi and 98 Deg. F: 300.0			
950.0				Con	Compressive Strength:			
Compressive Strength:					rs @ 106 Deg. 1			
12 hrs @ 106 Deg. F (psi) 280				24 h	rs @ 106 Deg.]			
24 hrs @ 106 Deg. F (psi) 375				72 h	rs @ 106 Deg.	F (psi) 2	300	
72 hrs @ 106 Deg. F (psi) 900								
40.					olume Calculati	ons:		_
400		X	0.1926 cf/ft	with	0% excess	=		0 cf
3150		X	0.1733 cf/ft	with			1015.	
700		X	0.1733 cf/ft	with	174% excess	=	332.	
80) ft	X	0.1336 cf/ft	with	0% excess	=		7 cf (inside pipe)
TOTAL SLUF					OLUME	=	1435.	
						=	255 b	bls

All slurries will be tested prior to loading to confirm thickening times and a lab report furnished to Apache. Fluid loss will be tested and reported on slurries with fluid loss additives. Lab test report will be furnished prior to pumping cement.