CEMENT

TYPE OF STRING INTERVAL (FT) FROM-TO TYPE MIX	GEL%	SALT%	CaCl2	SLURRY WEIGHT LB./GAL	SLURRY YIELD CF/SKX	TOTAL AMT. REQUIRED SKX/CF	FILL UP	BHT	SIZE	REMARKS
(S) 0-450' Class C (Lead)	4%	--	2%	13.3	1.88	420/790	Circ.	85°F	12 1/4"	100% Excess Add 1/4#/sk. flocel if lost circulation occurs.
Class C (Tail-in)	--	--	2%	14.8	1.32	100/132				
(P) 0-340' (1st Stage)										
Class C (Lead)	4%	3#/sk.	--	13.3	1.88	255/480	To DV Tool @ +4000'	100°F	8 3/4"	100% Excess Add 1/4#/sk. flocel if lost circulation occurs.
Class C (Tail-in)	--	3#/sk.	--	14.8	1.32	280/370				
DV Stage Tool +4000'										
(2nd Stage) Lite-Wate (Lead)	--	18%	--	13.3	1.93	924/1783	Circ.	95°F	8 3/4"	200% Excess Add 1/4#/sk. flocel if lost circulation occurs.
Class C (Tail-in)	--	3#/sk.	--	14.8	1.32	68/90				

REMARKS:

1. Lab test slurry for production casing.
2. Condition mud to have low plastic viscosity and yield strength.
3. Precede cement w/500 gals. mud flush.
4. Utilize top and bottom plugs. Pump top plug down w/TFW.
5. Recalculate cement volumes from OH caliper log.
6. Reciprocate casing while cementing.
7. Condition mud to reduce viscosity prior to cementing.