

LIST TYPE OF STRING BY CODE LETTERS, i.e. CONDUCTOR (C); SURFACE (S); INTERMEDIATE (I); PRODUCTION (P); LINER (L); PERFORATIONS (PP)

TYPE OF STRING & INTERVAL (FT)	OD	DRAFT ID	WT PER FT	GRADE	THREAD	A-T	WT. IN AIR, WT. IN MUD		REMARKS
							1000 LBS	1000 LBS	
FROM-TO									
(S) 0'-1150'	8-5/8"	7.972"	24#	K-55	STC	1150'	27.6		
(P) 0'-3460'	5-1/2"	4.825"	15.5#	K-55	STC	3460'	53.6		Sandblast bottom 500'

TYPE OF STRING	CENTRALIZERS		SCRATCHER	OTHER ACCESSORY EQUIPMENT		REMARKS
	NO.	INTERVAL		NO.	INTERVAL	
	NO. FROM-TO	INTERVAL		NO. FROM-TO	INTERVAL	

Surface	(11) 0'-1150'		NONE	Guide shoe, float collar	100' spacing for centralizers
Production	(2) 1050'-1150'		(15) 3130-3360	Float shoe and float collar	2 centralizers just above 8-5/8" shoe and remainder one every joint.
	(8) 3140-3460				15' spacing for scratchers

DEPTH INTERVAL FROM-TO	WEIGHT LBS/CAL	TYPE	OIL %	pH	WATER LOSS (cc)	VIS. (sec.)	YIELD POINT	THINNING AGENTS	WATER LOSS AGENTS
1150'	8.5-9.0	Spud	-	9.0+	-	-	-	-	As necessary
150'-3460'	9.0-10.0	Salt gel	-	9.0-10.0	10-12+	35-40	-	-	" " "

REMARKS

Below 1150' drill with saturated brine to keep hole enlargement to a minimum.
 Add gelling agents as required to carry cuttings.
 Keep pressure surges to a minimum below 1150'.
 Condition mud to reduce water loss 50' above Seven Rivers.
 Condition mud to reduce viscosity prior to pumping cement.

CEMENT

TYPE OF STRING INTERVAL (FT) FROM-TO TYPE MIX	GEL%	SALT%	CaCl ₂	SLURRY WEIGHT LB./GAL	SLURRY YIELD CF/SKK.	TOTAL AMT. REQUIRED SKK/CF	FILL UP	BHT	SIZE	REMARKS
(S) 0'-1150'										
Class 'C'	4%	-	2%	13.05	1.88	365/686	Circ.	75°	12-1/4"	100% excess
Class 'C'	-	-	2%	14.80	1.32	200/264				
(P) 0'-3460'										
Class 'C' Light	-	18%	-	13.20	1.92	510/979	Circ.	90°	7-7/8"	100% excess
Class 'C'	-	-	2%	14.80	1.32	200/264				

NOTE:

1. Reciprocate pipe while cementing.
2. Precede cement volumes with 500 gallons mud flush.
3. Re-calculate cement slurry volumes after open hole caliper is run.
4. Lab test cement slurries prior to cementing production string.
5. Utilize top and bottom plugs. Pump top plug w/TFW.
6. Condition mud to have low plastic viscosity and yield strength.
7. Add 1/4#/sack Flocele to cement if necessary for lost circulation.