

MUD PROGRAM

<u>DEPTH INTERVAL</u> <u>FROM-TO</u>	<u>WEIGHT</u> <u>LBS/CAL</u>	<u>TYPE</u>	<u>OIL %</u>	<u>pH</u>	<u>WATER LOSS</u> <u>(cc)</u>	<u>VIS. (sec.)</u>	<u>YIELD</u> <u>POINT</u>	<u>THINNING</u> <u>AGENTS</u>	<u>WATER LOSS</u> <u>AGENTS</u>
0'-1350'	8.5-9.0	spud mud							
1350'-3800'	9.0-10.0	salt gel*			10-14	34-38			

REMARKS

* Drill out with brine water. Add sufficient gel to carry cuttings.

Condition mud to lower viscosity prior to cementing.

CEMENT

TYPE OF STRING INTERVAL (FT) FROM-TO TYPE MIX	GEL%	SALT%	CaCl ₂	SLURRY WEIGHT LB./GAL	SLURRY YIELD OF/SKX	TOTAL AMT. REQUIRED SKX/CF	FILL UP	BHT	SIZE	REMARKS
(S) 0'-1350' Class 'C'	4%		2%	13.50	1.88	(460) 866	Circulate		12 1/4"	100% excess
Class 'C'			2%	14.80	1.32	(188) 24.8				
(P) 0'-3800' Class 'C' Light*		18%		13.20	1.92	(470) 902	Circulate		7 7/8"	100% excess
Class 'C'			2%	14.80	1.32	(160) 208				

Note: Reciprocate production casing while cementing.

* Class 'C' Light - Examples: BJ light, Howco light, Dowell light.

Cement volume to be recalculated after caliper run.