

POINT 5: MUD PROGRAM

DEPTH	MUD TYPE	WEIGHT	FV	PV	YP	FL	Ph
0' - 500'	FW Spud Mud	8.5 - 9.2	45-35	NC	NC	NC	10.0
350' - 6900'	BW	9.8 -10.2	28-30	NC	NC	NC	9.5-10.5
6900' - 7200	BW/ Starch	9.8 -10.2	28-32	NC	NC	<100	9.5-10.5
7200-7540	BW/Gel/Starch	9.8-10.2	38-42	4	8	<100	9.5-10.5

**Will increase vis for logging purposes only.*

POINT 6: TECHNICAL STAGES OF OPERATION

A) TESTING

None anticipated.

B) LOGGING

GR-CNL-LDT-LLD from TD to Base of Salt (+/-3,235'). Run GR-CNL from Base of Salt to surface.

C) CONVENTIONAL CORING

None anticipated.

D) CEMENT

INTERVAL	AMOUNT SXS	FT OF FILL	TYPE	GALS/SX	PPG	FT ³ /SX
SURFACE: Circulate cement to surface.						
Lead 0-200 (100% excess)	40	200	Permian Basin filler 1 + 1/ 4# Celloflake	17.65	11.4	2.85
Tail 300-500' (100% excess)	130	300	Permian Basin Critical Zone	8.37	13.5	1.63

PRODUCTION: Reverse Circulate with Zone Seal Cement.

INTERVAL	AMOUNT SXS	FILL	TYPE	GAL/SX	PPG	FT ³ /SX	NITROGEN	COMPRESSIVE STRENGTH
Lead 0-4500' (10% excess)	390	4500'	Premium Plus + 1% Zone Sealant 2000	6.32*	11.9*	2.20*	250/100 scf/bbl	1200
Tail 4500-7570' (10% excess)	360	3040'	Premium Plus + 1% Zone Sealant 2000	6.32*	12.5*	1.65*	250/100 scf/bbl	2500
CAP 0-300'	45	300'	Premium Plus + 2% CaCl ₂	6.32	14.80	1.32	--	3650

* Average for that interval