

POINT 5: MUD PROGRAM

DEPTH	MUD TYPE	WEIGHT	FV	PV	YP	FL	Ph
0' - 825'	FW Spud Mud	8.5 - 9.2	45-35	NC	NC	NC	NC
825' - 5600'	Brine Water	9.8 -10.0	29-30	NC	NC	NC	10
5600' - 7740'	**	8.9 - 9.3	38-42	15	10	<100 cc	9.5 - 10
7740' - TD	**	8.9 - 9.3	40-45	15	10	<100 cc	9.5 - 10

** 35% diesel/65% brine emulsion

**Will increase vis for logging purposes only.*

POINT 6: TECHNICAL STAGES OF OPERATION

A) TESTING

None anticipated.

B) LOGGING

GR-CNL-LDT-AIT from TD to 8-5/8" casing shoe.
GR-CNL from base of 8-5/8" casing to surface.

C) CONVENTIONAL CORING

None anticipated.

D) CEMENT

INTERVAL	AMOUNT SXS	FT OF FILL	TYPE	GALS/SX	PPG	FT ³ /SX
SURFACE:						
Lead 0 - 575' (100% excess circ to surface)	160	575	Permian Basin Critacal Zone + ¼ pps Flocele	10.33	12.8	1.89
Tail 575-7825' (100% excess circ to surface)	105	250	Prem Plus + 2% CaCl ₂	6.33	14.8	1.35
PRODUCTION: Single stage w/ Zone Seal Cement. 3300-7940' (+50% excess)						
Base Slurry	600	4640	Premium Plus + 1% Zone Seal	6.73	14.5	1.38
Consisting of		1140	Base Slurry + 300 SCF/Nitrogen	6.32	5.5	2.64
		1500	Base Slurry + 400 SCF/Nitrogen	6.32	8.9	2.01
		2000	Base Slurry + 225 SCF/Nitrogen	6.32	12.0	1.62

E) DIRECTIONAL DRILLING

No directional services anticipated.