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A function test to insure that the preventers are operating correctly will be performed on each trip. See attached Diagram 1 for the minimum criteria for the choke manifold.

**POINT 5: MUD PROGRAM**

DEPTH	MUD TYPE	WEIGHT	FV	PV	YP	FL	Ph
0' - 575'	FW Spud Mud	8.4 - 9.2	45-38	NC	NC	NC	NC
575' - 5600'	Brine Water	10.0 - 10.2	29-30	NC	NC	NC	10
5600' - 7450'	**	8.9 - 9.3	36-40	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****D) CEMENT**

INTERVAL	AMOUNT SXS	FT OF FILL	TYPE	GALS/SX	PPG	FT <sup>3</sup> /SX
<b>SURFACE:</b>						
Lead 0 - 275' (100% excess circ to surface)	125	275	Permian Basin Critical Zone + ½ pps Floccle	10.33	12.8	1.87
Tail 275-575' (100% excess circ to surface)	200	300	Prem Plus + 2% CaCl <sub>2</sub>	5.38	14.8	1.15
PRODUCTION: Single stage w/ Zone Seal Cement.						
3046' - 7456' (+ 50% excess)						
Base Slurry	690	4410	Premium Plus + 2% Zone Seal	6.73	14.5	1.38
Consisting of		910	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