

POINT 5: MUD PROGRAM

<u>DEPTH</u>	<u>MUD TYPE</u>	<u>WEIGHT</u>	<u>FV</u>	<u>PV</u>	<u>YP</u>	<u>FL</u>	<u>Ph</u>
0' - 600'	FW Spud Mud	8.4 - 8.4	45-38	NC	NC	NC	10.0
600' - 6900'	BW	9.8 - 10.2	28-30	NC	NC	NC	9.5 - 10.5
6900' - 7650'	BW/Starch	9.8 - 10.2	28-30	NC	NC	<100	9.5 - 10.5
7650' - 7800'	BW/Gel/Starch	9.8 - 10.2	38-42	4	8	<100	9.5 - 10.5

POINT 6: TECHNICAL STAGES OF OPERATION**A) TESTING**

None anticipated.

B) LOGGING

Platform Express (GR-CNL/LDT-LLD) from TD to Base of Salt ($\pm 3340'$). Run GR-CNL from Base of Salt to surface.

C) CONVENTIONAL CORING

None anticipated.

D) CEMENT

<u>INTERVAL</u>	<u>AMOUNT SXS</u>	<u>FT OF FILL</u>	<u>TYPE</u>	<u>GALS/SX</u>	<u>PPG</u>	<u>FT³/SX</u>
SURFACE Circ to surface						
Lead 0-400' (100% excess)	75	400	Permian Basin Filler 1 + 1/4# Celloflake	17.65	11.4	2.85
Tail 400-600' (100% excess)	85	200	Permian Basin Critical Zone	8.37	13.5	1.63

PRODUCTION (Reverse circulated with Zone Seal Cement)							COMPRESSIVE	
<u>INTERVAL</u>	<u>AMOUNT SXS</u>	<u>FILL</u>	<u>TYPE</u>	<u>GALS/SX</u>	<u>PPG</u>	<u>FT³/SX</u>	<u>Nitrogen</u>	<u>STRENGTH</u>
LEAD 0-4500' (10% excess)	390	4500	Premium Plus + 1% Zone Sealant 2000	6.32*	8.75*	2.20*	250/100 scf/bbl	1200
TAIL 4500-7800' (10% excess)	380	3300	Premium Plus + 1% Zone Sealant 2000	6.32*	12.50*	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.

E) DIRECTIONAL DRILLING

No directional services anticipated.