

Con't... POINT 6: TECHNICAL STAGES OF OPERATION

B) LOGGING

Run #2:

GR-CNL-LDT-LLD run from TD to second ICP, FMI across Wolfcamp as needed.

C) CORING

No cores are anticipated.

D) CEMENT

<u>INTERVAL</u>	<u>AMOUNT SX</u>	<u>FT OF FILL</u>	<u>TYPE</u>	<u>GALS/SX</u>	<u>PPG</u>	<u>FT³/SX</u>
<u>SURFACE</u>						
Lead						
0' - 225'	170	225	Permian Basin Critical +	10.30	12.80	1.89
(100% excess)			Zone + Pol-e-flake			
Tail						
225'-525'	340	300	Premium Plus + 2% CaCl ₂	6.32	14.80	1.34
(100% Excess)			+ 1/8#/sx Pol-e-flake			
<u>INTERMEDIATE</u>						
<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>
Lead						
0' - 3000'	720	3000	Interfill C + 1/8#/sx +	14.10	11.90	2.45
(100% Excess)			Pol-e-flake			
Tail						
3000' - 3435'	235	435	Premium Plus + 2%	6.34	14.80	1.34
(100% Excess)			CaCl ₂			
<u>PRODUCTION</u> (Two stage w/DV tool @ 8000' and circulate cement to 3000')						
<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>1st Stage</u>						
LEAD						
8000'-10,700'	250	2700	Interfill H + 5pps Gilsonite	13.61	11.90	2.46
(50% excess)			+ 0.5% Halad 9 + 1/8 pps			
			Pol-e-flake			
TAIL						
10,700'-11,400'	100	700	Super H + 0.5% Halad 344	8.20	13.00	1.67
(50% excess)			+ 0.4% CFR3 + 5 pps Gilsonite			
			+ 1 pps Salt + 0.2% HRT			
<u>2nd Stage</u>						
LEAD						
3000'-7,300'	400	4300	Interfill H + 1/8 pps	14.00	11.90	2.45
(50% excess)			Pol-e-flake + 0.5% Halad 9			
TAIL						
7,300'-8,000'	100	700	Super H + 0.5% Halad 344	8.20	13.00	1.67
(50% excess)			+ 0.4% CFR3 + 5 pps Gilsonite			
			+ 1 pps Salt + 0.2% HRT			
<u>PRODUCTION LINER</u>						
11,100'-14,500'	360	3100	Class H + 0.8% Halad 322	5.68	15.40	1.28
(25% excess)			+ 0.6% Halad 344 + 0.2%			
			HR-7 + 5pps Microbond M			

E) DIRECTIONAL DRILLING

No directional services anticipated. A straight hole will be drilled to 14,500' TD.