3

D) (CEM	ENT
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		FT OF							
INTERVAL	AMOUNT SX	FILL	TYPE	GALS/SX	PPG	FT ³ /SX			
SURFACE									
Lead									
0' - 275'	210	275	Permian Basin Critical	10.30	12.80	1.89			
(100% excess)			Zone + 1/8#/sx Pol-e-flake						
Tai									
275'-575'	340	300	Premium Pius + 2% CaCla	6.32	14.80	1.34			
(100% Excess)			+ 1/8#/sx Pol-e-flake						
•									
INTERMEDIATE									
		FT OF							
INTERVAL	AMOUNT SXS	FILL	TYPE	GALS/SX	PPG	FT3/SX			
ead				47,023,071		<u> </u>			
0'-3000'	720	3000	Interfill C + 1/8#/sx	14.10	11.90	2.45			
(100% Excess)	,	***************************************	Pol-e-flake	17.10	11.00	2.70			
Tail			TOTAL TRANS						
3000' - 3550'	290	550	Premium Plus + 2%	6.34	14.80	1.34			
(100% Excess)		***	CaCh	0.01	14.00	1.04			
, ,									
PRODUCTION (Two:	stage w/DV tool & 800	of and circulate	e cement to 3100')						
NTERVAL	AMOUNT SXS	FILL	TYPE	GALS/SX	PPG	FT ³ /SX			
1 st Stage				37,143737	# 	11.70%			
LEAD									
8000°-10,700°	250	2700	Interfill H + 5pps Gilsonite	13.61	11.90	2.45			
(50% excess)			+ 0.5% Halad 9 + 1/8 pbs	10.07					
,			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 Gillsonite	4.24	14.44	1.07			
•			+ 1 pps Salt + 0.2% HRT						
			11						
2 nd Stage									
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	,		_ 10			
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 Gillsonite		10.55	1.07			
•			+ 1 pps Salt + 0.2% HRT						
- China and Committee (117)									
PRODUCTION LINER									
11,100'-14,500'	360	3100	Class H + 0.8% Hated 322	5.68	15.40	1.28			
(25% excess 300' over	ap)		+ 0.6% Haiad 344 + 0.2%	-100		- 1000			
•			HR-7 + 5pps Microbond M						

E) DIRECTIONAL DRILLING

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

POINT 7: ANTICIPATED RESERVOIR CONDITIONS

Normal pressures are anticipated throughout the Delaware, Bone Spring & Wolfcamp sections. The Atoka Bank may be abnormally pressured with expected BHP of 9250 psi (max) or an equivalent mud weight of 13.8 ppg. The Morrow expected BHP is 7800 (max) or an equivalent mud weight of 10.5 ppg @ TD. Due to the tight nature of the reservoir rock (high pressure, low volume), the well will be drilled under balanced utilizing a rotating head. The expected BHT at TD is 230°F. No $\rm H_2S$ is anticipated.