Page 2 Yates Petroleum Corporation Lowe Staple AMR Federal Com. #1 Sundry Notice

The new 7" casing design is listed below...

Casing Size	Wt./Ft.	Grade	Coupling	Interval
7"	26#	J-55	LT&C	0'-100'
7"	23#	J- 55	LT&C	100'-5,200'
7"	26#	J-55	LT&C	5,200'-7,300'
7"	26#	N-80	LT&C	7,300'-8,500'

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Note: All depths are measured depth. TD of the 8 ³/₄" hole will be 8,100' TVD, 8,500' MD. Cement: TOC will be 6,000', cement slurry will be 350 sx Super H Modified (yld 1.67 wt 13.4).

Please see attached directional drilling plan. Kick off point is 3,350', build rate is about 2 ¹/₂ degrees, hold angle is about 25 degrees.

Prepared by:

Cory Frederick

Cory Frederick Drilling Engineering Assistant.

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