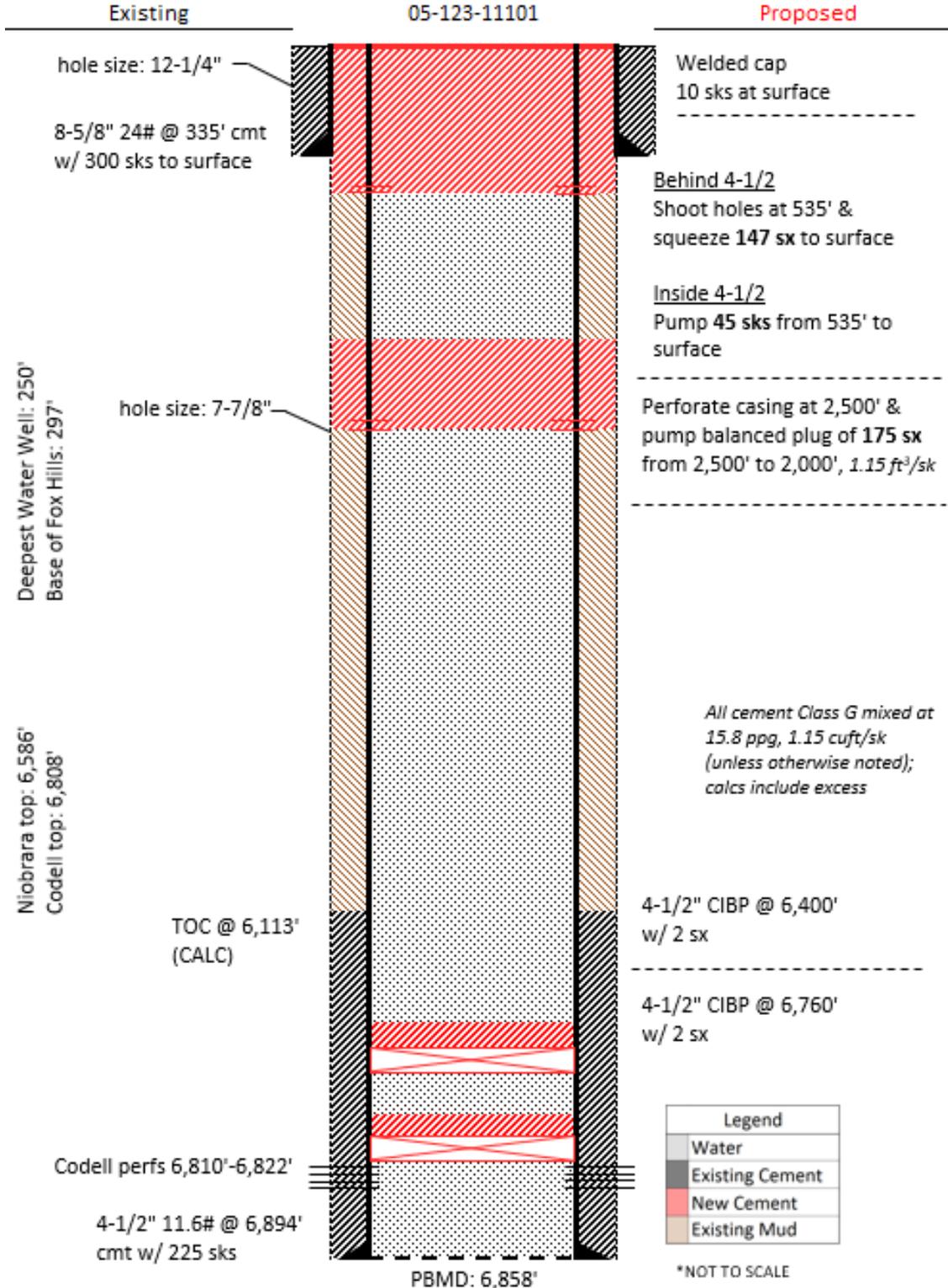


AFE # 20088  
RC # 422130656

WELLBORE DIAGRAM  
NOBLE ENERGY INC  
HOSHIKO 2  
SWSE SEC 35 5N 64W  
WELD COUNTY  
05-123-11101



Deepest Water Well: 250'  
Base of Fox Hills: 297'

Niobrara top: 6,586'  
Codell top: 6,808'

TOC @ 6,113'  
(CALC)

Codell perms 6,810'-6,822'

4-1/2" 11.6# @ 6,894'  
cmt w/ 225 sks

PBMD: 6,858'

Welded cap  
10 sks at surface

Behind 4-1/2  
Shoot holes at 535' &  
squeeze 147 sx to surface

Inside 4-1/2  
Pump 45 sks from 535' to  
surface

Perforate casing at 2,500' &  
pump balanced plug of 175 sx  
from 2,500' to 2,000', 1.15 ft<sup>3</sup>/sk

All cement Class G mixed at  
15.8 ppg, 1.15 cuft/sk  
(unless otherwise noted);  
calcs include excess

4-1/2" CIBP @ 6,400'  
w/ 2 sx

4-1/2" CIBP @ 6,760'  
w/ 2 sx

Legend	
	Water
	Existing Cement
	New Cement
	Existing Mud

\*NOT TO SCALE