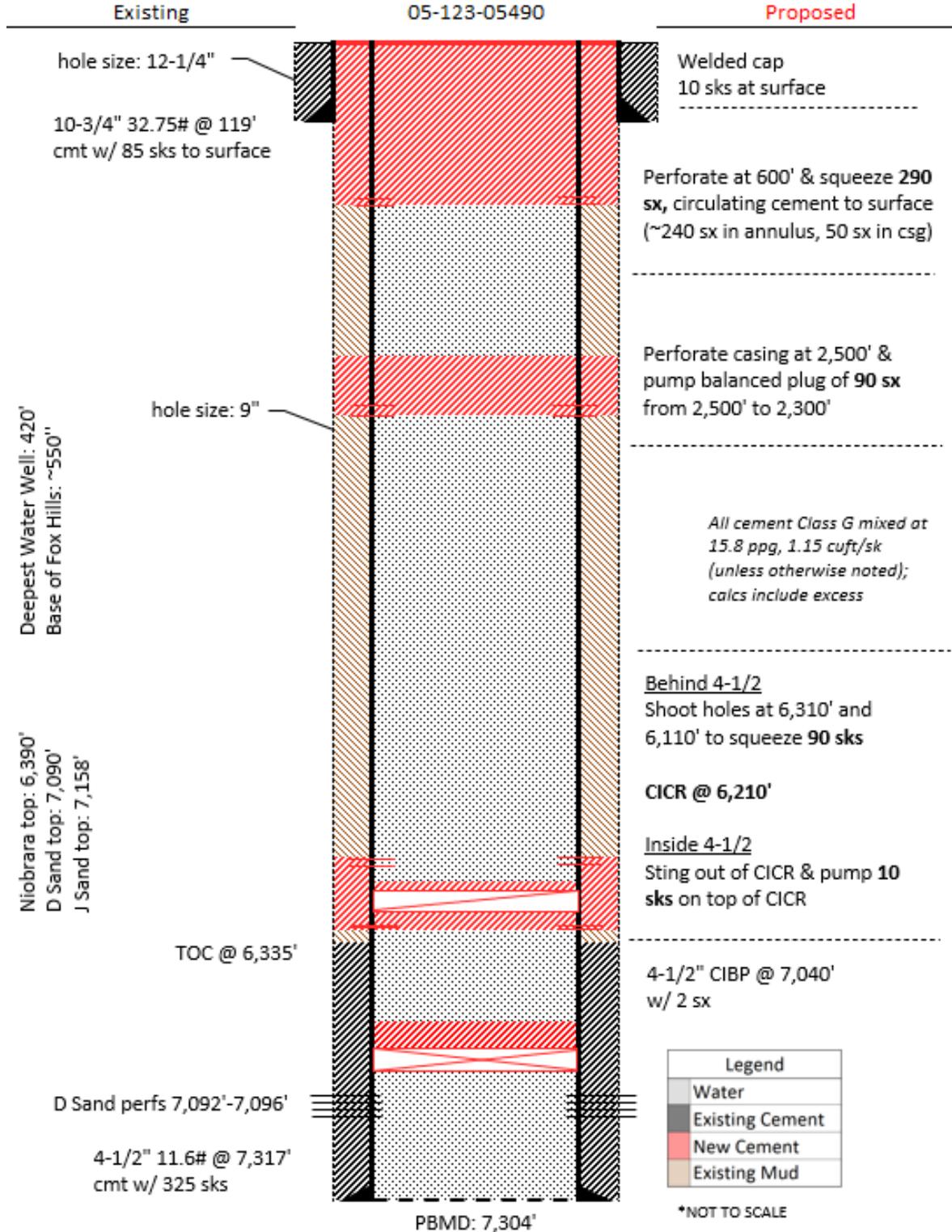


WELLBORE DIAGRAM
WESTERN OPERATING COMPANY

SPEAKER #P
SESE SEC 27 8N 61W

WELD COUNTY

05-123-05490



Existing
hole size: 12-1/4"
10-3/4" 32.75# @ 119'
cmt w/ 85 sks to surface

Proposed
Welded cap
10 sks at surface

Perforate at 600' & squeeze 290 sx, circulating cement to surface (~240 sx in annulus, 50 sx in csg)

Perforate casing at 2,500' & pump balanced plug of 90 sx from 2,500' to 2,300'

Deepest Water Well: 420'
Base of Fox Hills: ~550'

hole size: 9"

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

Behind 4-1/2
Shoot holes at 6,310' and 6,110' to squeeze 90 sks

Niobrara top: 6,390'
D Sand top: 7,090'
J Sand top: 7,158'

CICR @ 6,210'

Inside 4-1/2
Sting out of CICR & pump 10 sks on top of CICR

TOC @ 6,335'

4-1/2" CIBP @ 7,040'
w/ 2 sx

D Sand perms 7,092'-7,096'

4-1/2" 11.6# @ 7,317'
cmt w/ 325 sks

Legend	
	Water
	Existing Cement
	New Cement
	Existing Mud

*NOT TO SCALE

PBMD: 7,304'