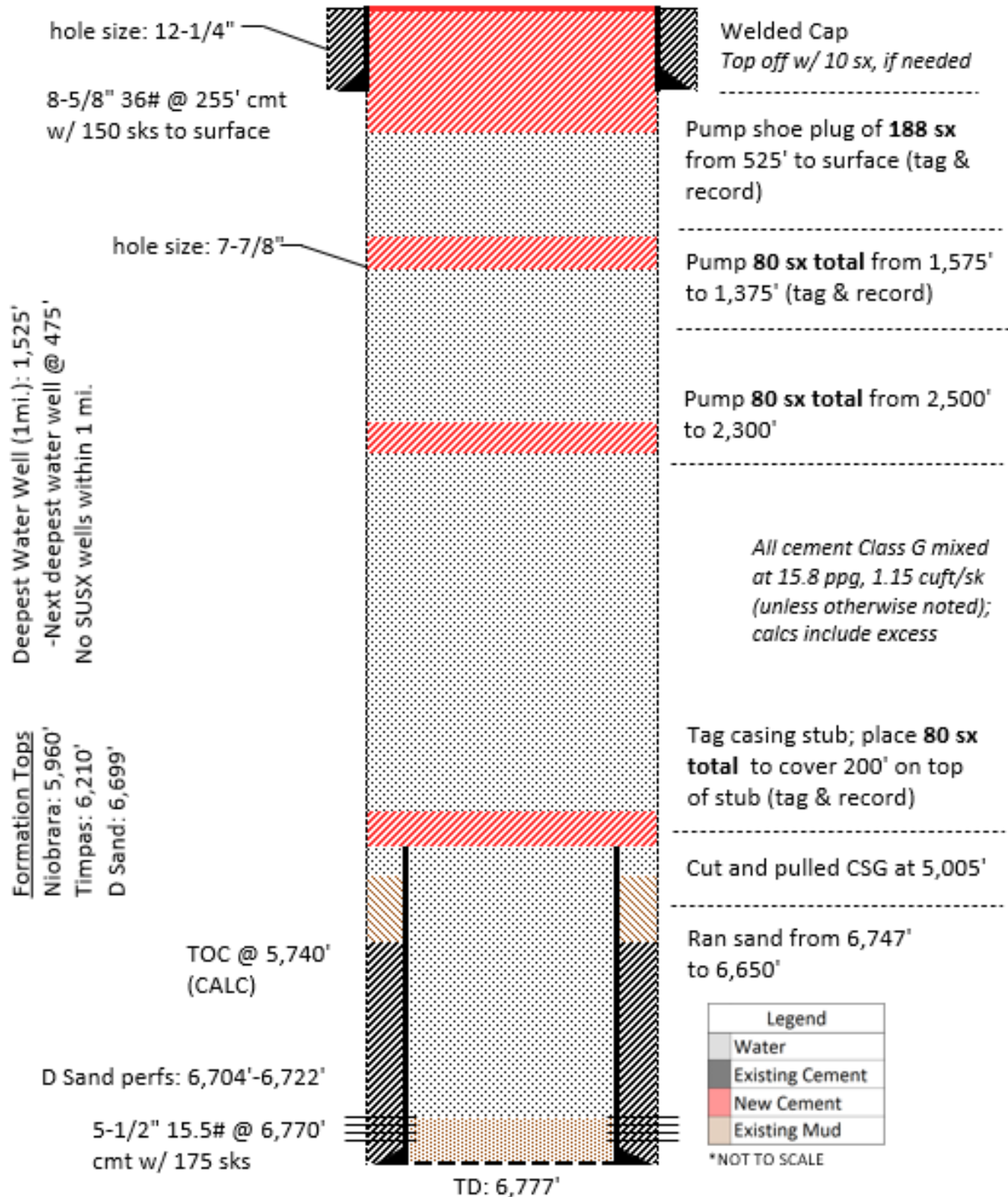


WELBORE DIAGRAM
 VAUGHEY & VAUGHEY
 CASTOR A #1
 SWNW SEC 34 8N 59W
 WELD COUNTY
 05-123-05465

Existing

Proposed P&A



hole size: 12-1/4"

8-5/8" 36# @ 255' cmt
w/ 150 sks to surface

hole size: 7-7/8"

Deepest Water Well (1mi.): 1,525'
 -Next deepest water well @ 475'
 No SUSX wells within 1 mi.

Formation Tops
 Niobrara: 5,960'
 Timpas: 6,210'
 D Sand: 6,699'

TOC @ 5,740'
(CALC)

D Sand perms: 6,704'-6,722'

5-1/2" 15.5# @ 6,770'
cmt w/ 175 sks

TD: 6,777'

Welded Cap
Top off w/ 10 sx, if needed

Pump shoe plug of 188 sx
from 525' to surface (tag &
record)

Pump 80 sx total from 1,575'
to 1,375' (tag & record)

Pump 80 sx total from 2,500'
to 2,300'

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

Tag casing stub; place 80 sx
total to cover 200' on top
of stub (tag & record)

Cut and pulled CSG at 5,005'

Ran sand from 6,747'
to 6,650'

Legend	
	Water
	Existing Cement
	New Cement
	Existing Mud

*NOT TO SCALE