

APPENDIX B-3:

CORRECTIVE ACTION ASSESSMENT WELL SCHEMATICS

“CTV III” STORAGE PROJECT

The following schematics provide depictions of the well(s) included in the Corrective Action Assessment in Attachment B: Area of Review and Corrective Action Plan. The Wellbore Diagrams illustrate the current condition of the well(s) along with the proposed corrected configuration required to isolate the injection zone associated with CTV III project.

Injection zone as well as corrective intervals have been indicated to illustrate required corrections. Proposed abandonment configurations show proposed cement plug depths to ensure confinement and non-endangerment of USDW. Cement plug descriptions have also been provided in tabular form.

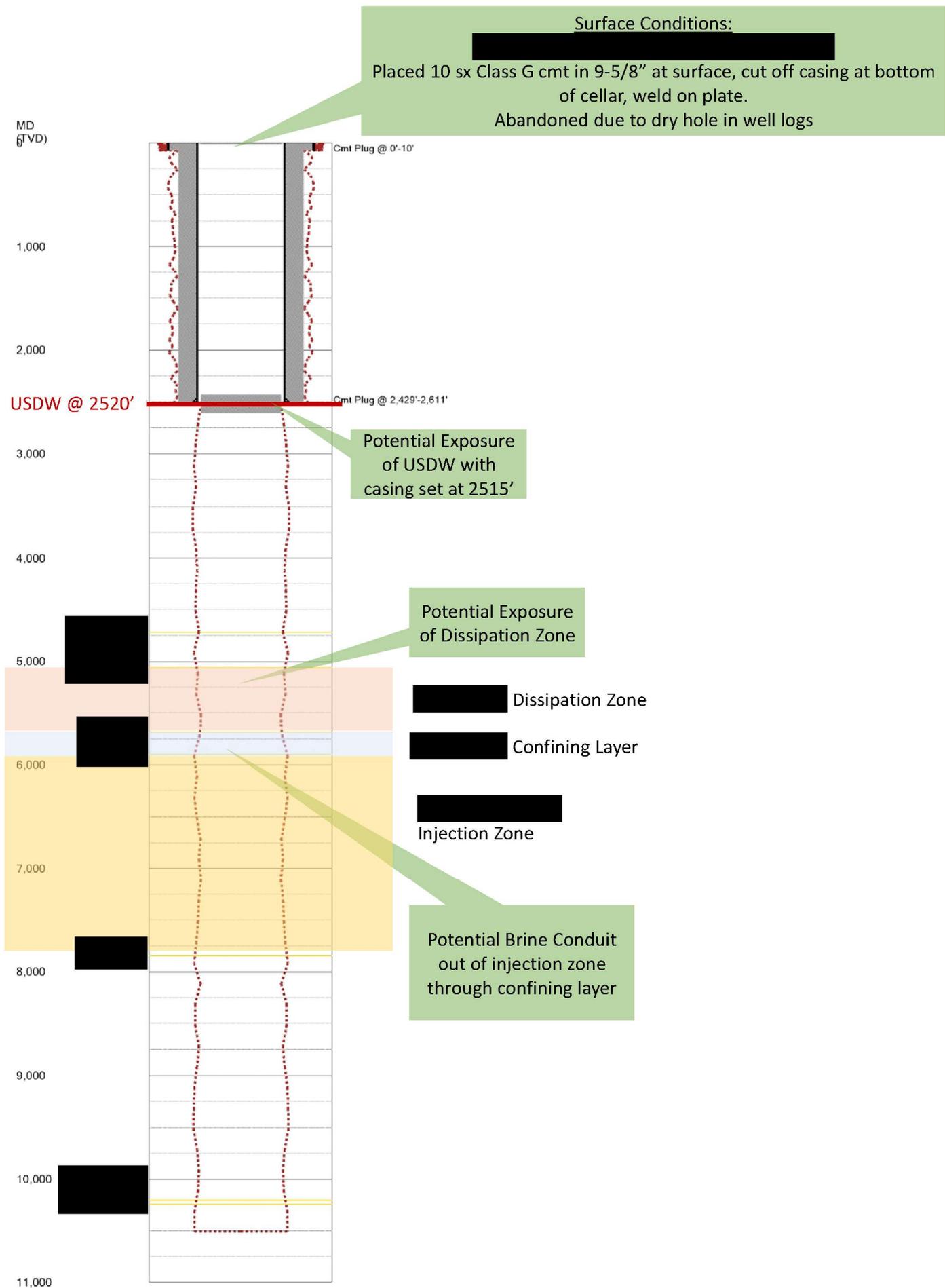
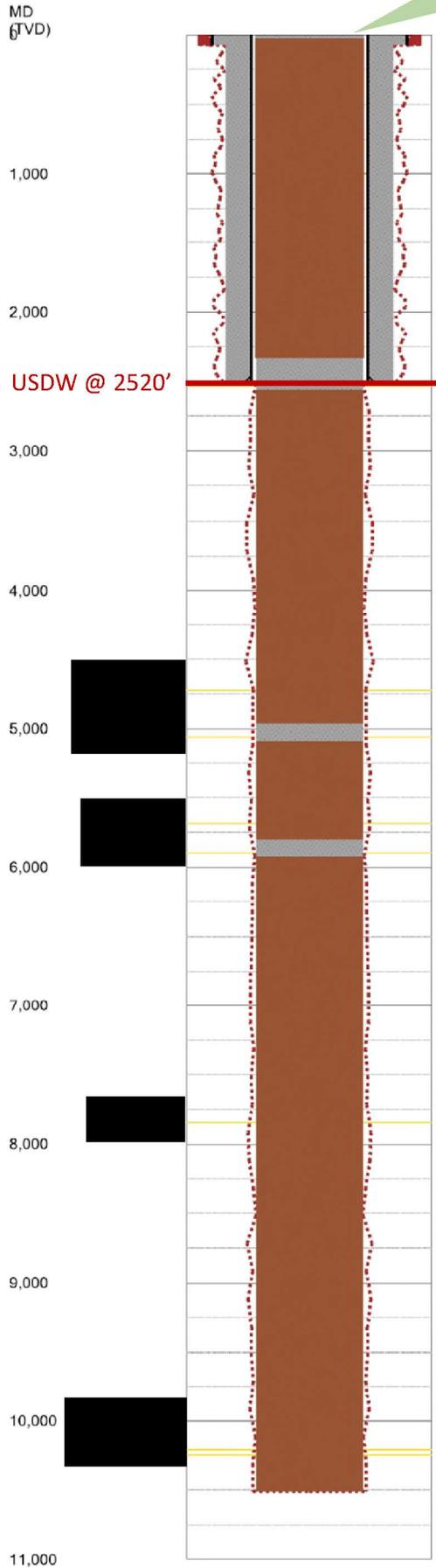


Figure 1. CA Well [REDACTED], Current Configuration

Cut casing 5' below GL. Stamp and weld cap.
Backfill and reclaim surface location.



Wells	[REDACTED]			
Plugs	Plug 1	Plug 2	Plug 3	Plug 4
Hole Size (in.)	8.75	8.75	8.75	8.921
Bottom of tubing (ft)	5925	5087	2557	25
Cement Volume (sacks)	45	45	82	10
Slurry Volume (bbl)	9.22	9.22	16.79	2.05
Slurry Weight (lb/gal)	15.8	15.8	15.8	15.8
Top of plug (ft)	5800	4962	2332	0
Bottom of Plug (ft)	5925	5087	2557	25
Type of Cement	Class G	Class G	Class G	Class G
Method of placement	Balanced Plugs			

Figure 2. CA Well [REDACTED], Proposed Abandonment Configuration

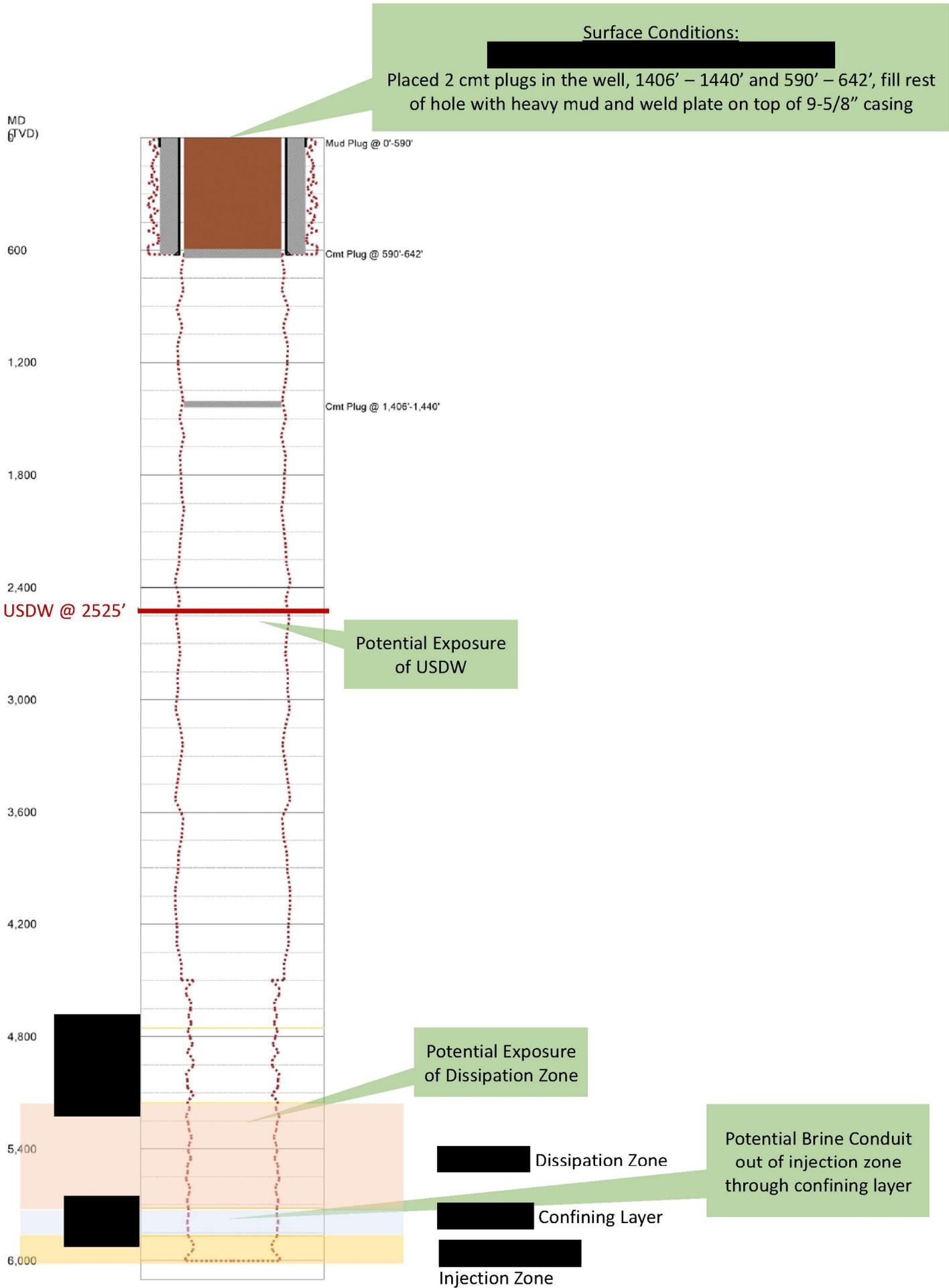
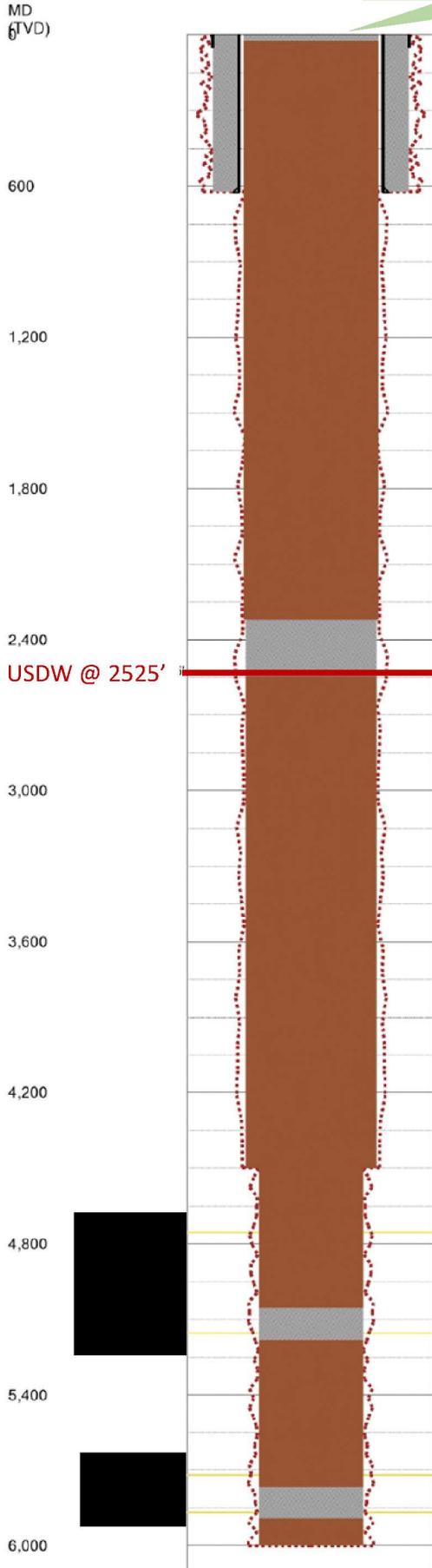


Figure 3. CA Well [redacted], Current Configuration

Cut casing 5' below GL. Stamp and weld cap.
Backfill and reclaim surface location.



Wells	[Redacted]			
Plugs	Plug 1	Plug 2	Plug 3	Plug 4
Hole Size (in.)	8.5	8.5	10.625	11
Bottom of tubing (ft)	5892	5178	2545	25
Cement Volume (sacks)	43	43	120	14
Slurry Volume (bbl)	8.81	8.81	24.58	2.87
Slurry Weight (lb/gal)	15.8	15.8	15.8	15.8
Top of plug (ft)	5767	5053	2320	0
Bottom of Plug (ft)	5892	5178	2545	25
Type of Cement	Class G	Class G	Class G	Class G
Method of placement	Balanced Plugs			

Figure 4. CA Well [Redacted], Proposed Abandonment Configuration

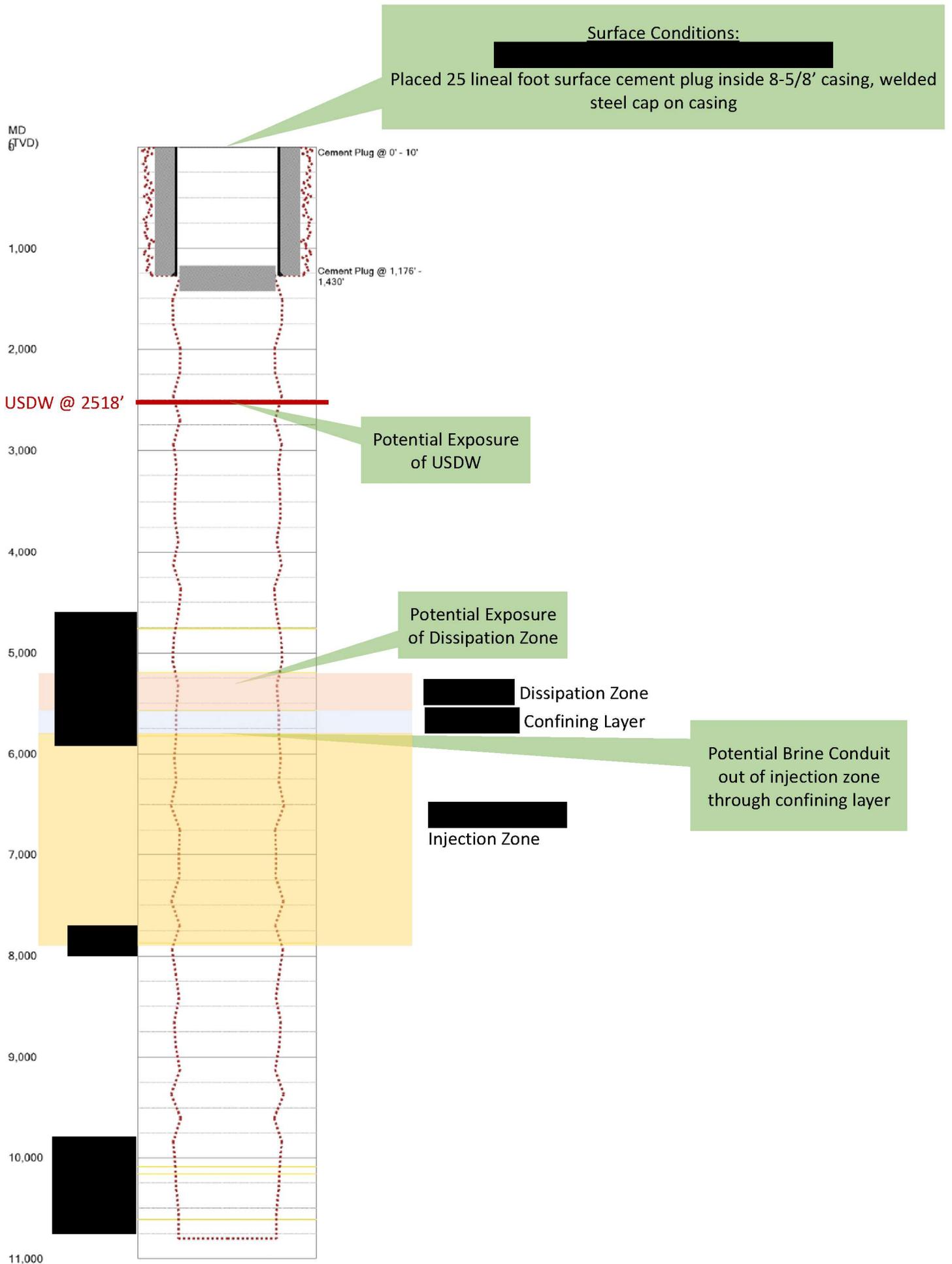
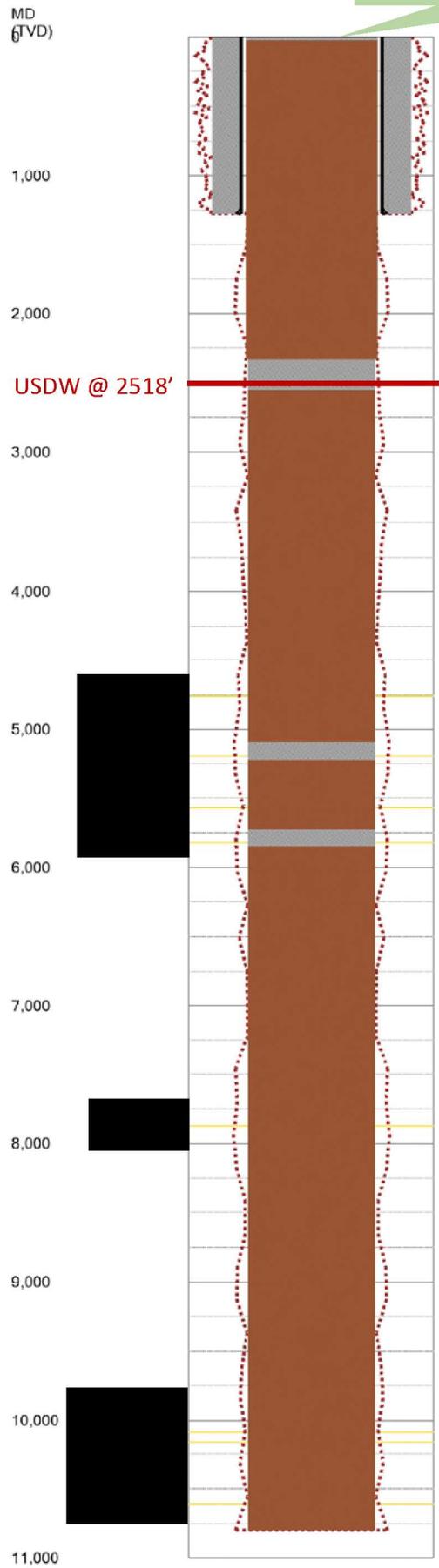


Figure 5. CA Well [redacted], Current Configuration

Cut casing 5' below GL. Stamp and weld cap.
Backfill and reclaim surface location.



Wells	[REDACTED]			
Plugs	Plug 1	Plug 2	Plug 3	Plug 4
Hole Size (in.)	7.875	7.875	7.875	8.097
Bottom of tubing (ft)	5848	5221	2556	25
Cement Volume (sacks)	37	37	66	8
Slurry Volume (bbl)	7.58	7.58	13.52	1.64
Slurry Weight (lb/gal)	15.8	15.8	15.8	15.8
Top of plug (ft)	5723	5096	2331	0
Bottom of Plug (ft)	5848	5221	2556	25
Type of Cement	Class G	Class G	Class G	Class G
Method of placement	Balanced Plugs			

Figure 6. CA Well [REDACTED], Proposed Abandonment Configuration