

DJ Simmons, Inc.
Cox Federal #33-8 WDW
SESW 8 39N 19W
API #033-06066



Weems - DNR, Mark <mark.weems@state.co.us>

1:27 PM (1 hour ago) ☆



to Bob, Charles, John, Anthony ▾

The attached PA procedure is acceptable to me and will be approved formally via the COGCC eform 6 - Notice of Intent.

Since the well is located over federal minerals and federal surface, I believe the BLM has primary regulatory jurisdiction and the COGCC is secondary even though the COGCC has oversight while the well is an injector. I may be wrong though. Either way, the PA procedure meets with my approval. On behalf of the COGCC you are authorized to commence PA operations since D. J. Simmons is under a compliance deadline and has a rig reserved and scheduled.

Shown below are my typical conditions of approval for plugging and abandonment.

- 1) Notify both the COGCC regional engineer and the COGCC regional inspector 48 hrs prior to MIRU at mark.weems@state.co.us or [970-259-4587](tel:970-259-4587) and joe.maclaren@state.co.us or [970-247-7805](tel:970-247-7805), respectively.
- 2) Purge the flow lines, cut off 3'-4' deep, and cap. Remember to note on form 6, page two under the Additional Plugging Information for Subsequent Report Only. (COGCC Rule 1103)
- 3) Prior to killing the well, measure the surface casing pressure (Braden Head)
 - a. Report the Braden head pressure (Note: Braden head pressure may require additional perf/cmt during the job)
 - b. Blow down Braden head pressure and report time to blown down
 - c. Continue to monitor the surface casing pressure throughout the PA
 - d. Check for gas venting outside the surface casing (gas monitor or bubbles in water pool)
 - e. Verify that there is no buried Braden Head (BrH) access valve below grade (DIG OUT all access piping/valves/ftgs one (1) foot below BrH to verify no shut in valves)
- 4) Pressure test casing(s)
- 5) Discuss the type of PA marker with the landowner (welded plate or post + well ID)
- 6) Leave a vent hole in casing/marker to avoid trapping any residual pressure in the casing(s)

Mark Weems, P. E.
Regional Engineer - SW Colorado



COLORADO
Oil & Gas Conservation
Commission
Department of Natural Resources

P [970.259.4587](tel:970.259.4587) | F [970.259.0743](tel:970.259.0743) | C [970.749.0624](tel:970.749.0624)

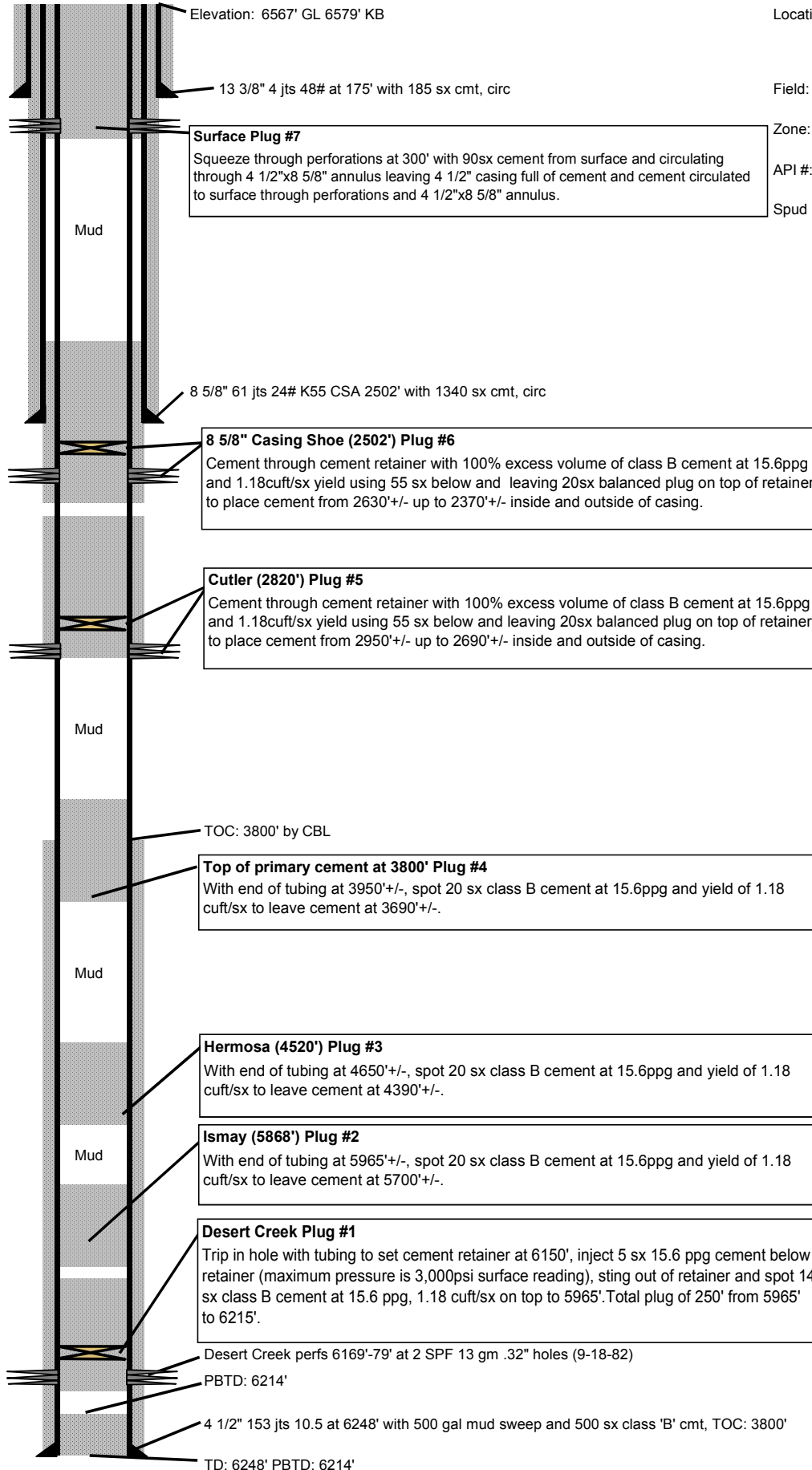
1120 Lincoln Street, Suite 801, Denver, CO 80203

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DJ SIMMONS, INC.

Cox Federal #33-8 Injection Well



Elevation: 6567' GL 6579' KB

Location: Surface: 1220' FSL, 1325' FEL,
Sec 8, T39N, R19W, Dolores
County, Colorado

13 3/8" 4 jts 48# at 175' with 185 sx cmt, circ

Field: Papoose Canyon

Surface Plug #7
 Squeeze through perforations at 300' with 90sx cement from surface and circulating through 4 1/2"x8 5/8" annulus leaving 4 1/2" casing full of cement and cement circulated to surface through perforations and 4 1/2"x8 5/8" annulus.

Zone: Desert Creek
API #: 05-033-06066

Spud Date: August 8, 1982, 17:45 hours
Edwin L. Cox and Berry R. Cox
originally drilled it

8 5/8" 61 jts 24# K55 CSA 2502' with 1340 sx cmt, circ

8 5/8" Casing Shoe (2502') Plug #6
 Cement through cement retainer with 100% excess volume of class B cement at 15.6ppg and 1.18cuft/sx yield using 55 sx below and leaving 20sx balanced plug on top of retainer to place cement from 2630'+/- up to 2370'+/- inside and outside of casing.

Cutler (2820') Plug #5
 Cement through cement retainer with 100% excess volume of class B cement at 15.6ppg and 1.18cuft/sx yield using 55 sx below and leaving 20sx balanced plug on top of retainer to place cement from 2950'+/- up to 2690'+/- inside and outside of casing.

TOC: 3800' by CBL
Top of primary cement at 3800' Plug #4
 With end of tubing at 3950'+/-, spot 20 sx class B cement at 15.6ppg and yield of 1.18 cuft/sx to leave cement at 3690'+/-.

Hermosa (4520') Plug #3
 With end of tubing at 4650'+/-, spot 20 sx class B cement at 15.6ppg and yield of 1.18 cuft/sx to leave cement at 4390'+/-.

Ismay (5868') Plug #2
 With end of tubing at 5965'+/-, spot 20 sx class B cement at 15.6ppg and yield of 1.18 cuft/sx to leave cement at 5700'+/-.

Desert Creek Plug #1
 Trip in hole with tubing to set cement retainer at 6150', inject 5 sx 15.6 ppg cement below retainer (maximum pressure is 3,000psi surface reading), sting out of retainer and spot 14 sx class B cement at 15.6 ppg, 1.18 cuft/sx on top to 5965'. Total plug of 250' from 5965' to 6215'.

Desert Creek perms 6169'-79' at 2 SPF 13 gm .32" holes (9-18-82)

PBTD: 6214'

4 1/2" 153 jts 10.5 at 6248' with 500 gal mud sweep and 500 sx class 'B' cmt, TOC: 3800'

TD: 6248' PBTD: 6214'



Cox Federal #33-8 Injection Well

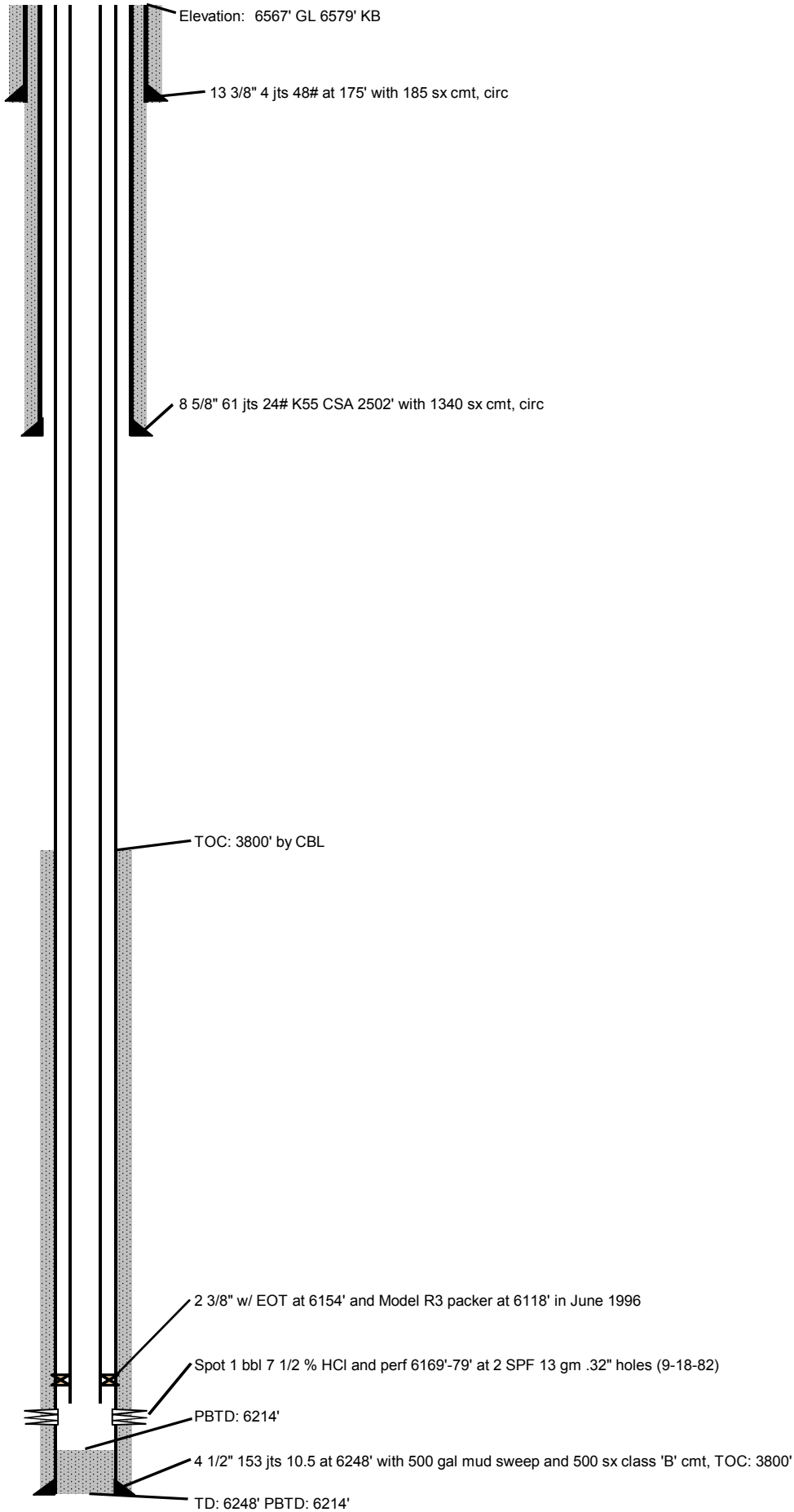
Location: Surface: 1220' FSL, 1325' FEL,
Sec 8, T39N, R19W, Dolores
County, Colorado

Field: Papoose Canyon

Zone: Desert Creek

API #: 05-033-06066

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Cox Federal #33-8 Injection Well

Location: Surface: 1220' FSL, 1325'
FEL, Sec 8, T39N, R19W,
Dolores County, Colorado

- 1) Back drag and clean location for crew & rig safety. Find anchors and have them tested and certified.
- 2) Move in well service unit and rig up with associated plugging equipment.
- 3) Bleed pressure off well. Nipple down wellhead and nipple up BOP.
- 4) Unset Baker Mode R at 6118' with straight pull and trip out of hole. Tubing failed MIT in 2013. Visually inspect for damage.
- 5) Trip in with 3 7/8" bit and casing scraper for 4 1/2" 10.5# casing to top perforation at 6169' circulating well clean in the process.
- 6) Trip out of hole.

Desert Creek Plug #1

- 7) Trip in hole with tubing to set cement retainer at 6150', inject 5 sx 15.6 ppg cement below retainer (maximum pressure is 3,000psi surface reading), sting out of retainer and spot 14 sx class B cement at 15.6 ppg, 1.18 cuft/sx on top to 5965'. Total plug of 250' from 5965' to 6215'.
- 8) Circulate tubing clear. Close rams and test casing with pressure chart or strip recording pressure test to 1,000psi. Pressure drop of more than 10% in 30 minutes will require hole finding, repair and retest.

Ismay (5868') Plug #2

- 9) With end of tubing at 5965'+/-, spot 20 sx class B cement at 15.6ppg and yield of 1.18 cuft/sx to leave cement at 5700'+/-.
- 10) Trip out laying down tubing to land at 5700'+/-.
- 11) Mix fresh water mud to 32 sec/qt vis and spot from 5700' to 4650' using 16.7 bbl of mud.
- 12) Trip out laying down tubing to land at 4650'+/-.

Hermosa (4520') Plug #3

- 13) With end of tubing at 4650'+/-, spot 20 sx class B cement at 15.6ppg and yield of 1.18 cuft/sx to leave cement at 4390'+/-.
- 14) Trip out of hole laying down tubing to land at 4390'+/-.
- 15) Mix fresh water mud to 32 sec/qt vis and spot from 4390'+/- to 3950'+/- using 7 bbl of mud.

Top of primary cement at 3800' Plug #4

- 16) With end of tubing at 3950'+/-, spot 20 sx class B cement at 15.6ppg and yield of 1.18 cuft/sx to leave cement at 3690'+/-.
- 17) Trip out of hole laying down tubing to land at 3690'+/-.
- 18) Mix fresh water mud to 32 sec/qt vis and spot from 3690'+/- to 2950'+/- using 11.8 bbl of mud.
- 19) Trip out of hole laying down excess tubing beyond 2950'+/-.
- 20) Perforate squeeze holes at 2950'+/-.
- 21) Trip in hole with cement retainer and tubing to set cement retainer at 2930'+/-.

Cutler (2820') Plug #5

- 22) Cement through cement retainer with 100% excess volume of class B cement at 15.6ppg and 1.18cuft/sx yield using 55 sx below and leaving 20sx balanced plug on top of retainer to place cement from 2950'+/- up to 2690'+/- inside and outside of casing.
- 23) Trip out of hole laying down excess tubing beyond 2690'+/-.
- 24) Perforate squeeze holes at 2630'+/-.
- 25) Trip in hole with cement retainer and tubing to set cement retainer at 2610'+/-.

8 5/8" Casing Shoe (2502') Plug #6

- 26) Cement through cement retainer with 100% excess volume of class B cement at 15.6ppg and 1.18cuft/sx yield using 55 sx below and leaving 20sx balanced plug on top of retainer to place cement from 2630'+/- up to 2370'+/- inside and outside of casing.
- 27) Trip out of hole laying down tubing to land at 2370'+/-.
- 28) Mix fresh water mud to 32 sec/qt vis and spot from 2370'+/- to 300'+/- using 33 bbl of mud.
- 29) Trip out of hole laying down tubing.
- 30) Perforate squeeze holes at 300'.

Surface Plug #7

- 31) Squeeze through perforations at 300' with 90sx cement from surface and circulating through 4 1/2"x8 5/8" annulus leaving 4 1/2" casing full of cement and cement circulated to surface through perforations and 4 1/2"x8 5/8" annulus.
- 32) Cut off casing and install marker as indicated in stipulations.

Remove equipment and remediate location as indicated in lease agreements, conditions of approval and stipulations.