

Blac Frac Tanks, Inc.
808 County Road 215
Parachute, CO 81635

Plugging Report for Delsco/ COGCC. Lake 16-21

August 19, 2020 Wednesday
Plug #1 CIBP at 6907'.

August 20, 2020 Thursday

Plug #2 production perfs? CICR 6500'

Injection test 400 psi at 3 bpm. Mixed and pumped 40 sks Type 2 cement. (8.2 bbls cement slurry) @ 15.4 ppg. Displaced with 19.6 bbls water, final pressure 1400 psi at 2 bpm, Isip 200 psi. Sting out and leave 30 sks on top of retainer.

Plug #3 EOT 4440'

Mixed and pumped 25 sks, Type 2 cement (bbls cement slurry at 15.4 ppg). Displaced with 11.3 bbls water. 500 psi at 2 bpm.

Plug #4 Tag plug #3 with gun 4186' Perf 3101', CICR at 3050'

Injection test 1200 psi at 1-1/2 bpm

Mix and pump 40 sks type 2 cement (8.2 bbls cement slurry at 15.4 ppg). Displace with 11.3 bbls water. 900 psi at 1.5 bpm. Isip 200 psi Sting out and leave 5 sks on top of retainer.

August 21, 2020 Friday

Plug #5 Perf at 618' CICR at 568'

Break circulation and pump approximately 100 bbls to clean up gas. Mix and pump 178 sks type 2 cement. (36.5 bbls cement slurry) at 15.4 ppg, with full returns, no Cement returns to surface. SI casing with 4.5 bbls left to pump, displace 2.75 bbls water, Pressured well to 1000 psi. Sting out and leave 5 sks on top of CICR. POOH with tbq. Left well SI and pressured up.

August 24, 2020 Monday

SICP 200 psi, bled off and top filled annulus with water, watched bubbles, released for the day.

August 28, 2020 Friday

Plug, #6 Perfs in 4-1/2 casing 695' 805' 2450' CICR at 2400'.

Circulate thru perf at 2450' with returns thru perf at 805' (Suicide Squeeze)

Mix and pump 106 sks type 2 cement (21.7 bbls slurry) at 15.4 ppg. Displace with 9.5 bbls water.

Sting out of retainer, Left 2 sks on retainer. Laid down 3 joints tbq. Reversed out with 10 bbls water. SWI and pressured well bore to 1000 psi. Left SI for the weekend.

August 31, 2020 Monday

On location at 7 am, Picked up cement at 23-1 and returned to location. Released for the day.

September 1, 2020 Tuesday

Plug #7, Added perf at 725', Set CICR at 760'

Mixed and pumped 55 sks type 2 cement. (11.3 bbls slurry) at 15.4 ppg. Circulated 6.6 bbls cement past retainer, sting out and placed remainder of cement on top of retainer. Displaced with 2 bbls of water. POOH with tbq. Pressured well to 1000 psi and left SI overnight.