

From: [Soicher, Alan J CIV USARMY CESP A \(USA\)](#)
To: [Angela Makin](#); [Christy Esler](#)
Subject: FW: [EXTERNAL] Fort Wingate Revised Well Plugging Plans
Date: Wednesday, March 22, 2023 2:56:24 PM

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FYSA

From: Lopez-Brody, Nathan, OSE <Nathan.Lopez-Brody@ose.nm.gov>
Sent: Wednesday, March 22, 2023 8:05 AM
To: Chris Cicerale <ccicerale@dawsonohana.com>
Cc: Soicher, Alan J CIV USARMY CESP A (USA) <Alan.J.Soicher@usace.army.mil>; Moayyad, Behnaum CIV USARMY CESP A (USA) <Behnaum.Moayyad@usace.army.mil>
Subject: [URL Verdict: Neutral][Non-DoD Source] RE: [EXTERNAL] Fort Wingate Revised Well Plugging Plans

Hello again. I've reviewed your plugging plan with someone from our hydrology department, and we have one major concern. For the first lift of cement, it is not clear how you are going to maintain pressure while withdrawing the tremie pipe through the pressure head. If pressure is not maintained on that first lift, the weight of the cement will not be sufficient to overcome water pressure and cement will likely float. Could you please provide details on how pressure will be maintained?

Another thing that came up is clearing the obstruction- I would be more comfortable with attempting to push things to the bottom. It wouldn't be good if the obstructions became lodged farther up the borehole, and I think there's also some risk of destroying whatever casing remains and having borehole integrity issues.

Let me know what you all think, and please provide as many details as possible on how you plan to keep pressure for the first lift.

Nathan

From: Chris Cicerale <ccicerale@dawsonohana.com>
Sent: Monday, March 20, 2023 10:57 AM
To: Lopez-Brody, Nathan, OSE <Nathan.Lopez-Brody@ose.nm.gov>
Cc: Soicher, Alan J CIV USARMY CESP A (USA) <alan.j.soicher@usace.army.mil>; Moayyad, Behnaum CIV USARMY CESP A (USA) <Behnaum.Moayyad@usace.army.mil>
Subject: RE: [EXTERNAL] Fort Wingate Revised Well Plugging Plans

Nathan,

Received the following info from our contractor regarding the perforator:

It will be 4 vertical rows at 90 degrees 1”h x 0.25”w spaced at 1.5”

Thanks,
Chris

Christopher Cicerale, PG, CSP, ASP

Project Manager/Senior Geologist

DAWSON

Mobile: 973-803-2128

From: Lopez-Brody, Nathan, OSE <Nathan.Lopez-Brody@ose.nm.gov>

Sent: Monday, March 20, 2023 11:36 AM

To: Chris Cicerale <ccicerale@dawsonohana.com>

Cc: Soicher, Alan J CIV USARMY CESP (USA) <alan.j.soicher@usace.army.mil>; Moayyad, Behnaum CIV USARMY CESP (USA) <Behnaum.Moayyad@usace.army.mil>

Subject: RE: [EXTERNAL] Fort Wingate Revised Well Plugging Plans

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Hey Chris,

Yes- I’m looking for the number of perforations per foot and the angle between the perforations around the casing.

Thanks,
Nathan

From: Chris Cicerale <ccicerale@dawsonohana.com>

Sent: Monday, March 20, 2023 9:15 AM

To: Lopez-Brody, Nathan, OSE <Nathan.Lopez-Brody@ose.nm.gov>

Cc: Soicher, Alan J CIV USARMY CESP (USA) <alan.j.soicher@usace.army.mil>; Moayyad, Behnaum CIV USARMY CESP (USA) <Behnaum.Moayyad@usace.army.mil>

Subject: RE: [EXTERNAL] Fort Wingate Revised Well Plugging Plans

Nathan,

We plan on using batch-mixed delivered cement.

The perforation plan is as follows:

The wells will first be wire brushed using 5.5-inch outer-diameter reverse-circulation which will

brush and airlift sediment from the perforation zones. Note that if the obstructions are able to be removed, the wells will be wire-brushed to the bottom.

Perforations will be completed using a star wheel perforator and an RD20 drill rig. Four passes will be made with the tool in each perforation zone.

Both wells will be perforated from a depth of 500 ft to 750 ft bgs, and from 0 ft to 100 ft bgs.

Let me know if you would like more detail.

Thanks,
Chris

Christopher Cicerale, PG, CSP, ASP

Project Manager/Senior Geologist

DAWSON

Mobile: 973-803-2128

From: Lopez-Brody, Nathan, OSE <Nathan.Lopez-Brody@ose.nm.gov>

Sent: Monday, March 20, 2023 10:53 AM

To: Chris Cicerale <ccicerale@dawsonohana.com>

Subject: RE: [EXTERNAL] Fort Wingate Revised Well Plugging Plans

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Hi Chris, just a few more questions-

- You checked the box on the form for batch-mix, delivered cement, but then later on it states that you're planning to mix on-site. Either is fine, but I'd like to know what the plan is.
- Could you please describe your perforation plan with regard to tool, phasing and spacing?

Thanks,
Nathan

From: Chris Cicerale <ccicerale@dawsonohana.com>

Sent: Monday, March 20, 2023 8:34 AM

To: Lopez-Brody, Nathan, OSE <Nathan.Lopez-Brody@ose.nm.gov>

Subject: RE: [EXTERNAL] Fort Wingate Revised Well Plugging Plans

Hi Nathan,

We were unable to run the cement bond logs due to the scaling on the well casing when we went out to do the condition assessment. It was decided we would install extra perforation footage instead.

Thanks,
Chris

Christopher Cicerale, PG, CSP, ASP

Project Manager/Senior Geologist

DAWSON

Mobile: 973-803-2128

From: Lopez-Brody, Nathan, OSE <Nathan.Lopez-Brody@ose.nm.gov>

Sent: Monday, March 20, 2023 10:26 AM

To: Chris Cicerale <ccicerale@dawsonohana.com>

Subject: RE: [EXTERNAL] Fort Wingate Revised Well Plugging Plans

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Hey Chris,

Did you all run any cement bond logs?

Nathan

From: Chris Cicerale <ccicerale@dawsonohana.com>

Sent: Monday, March 13, 2023 1:58 PM

To: Lopez-Brody, Nathan, OSE <Nathan.Lopez-Brody@ose.nm.gov>

Cc: Soicher, Alan J CIV USARMY CESP (USA) <alan.j.soicher@usace.army.mil>; Moayyad, Behnaum CIV USARMY CESP (USA) <Behnaum.Moayyad@usace.army.mil>; Emily McRee <emcree@dawsonohana.com>

Subject: RE: [EXTERNAL] Fort Wingate Revised Well Plugging Plans

Thanks Nathan. We're looking to get out there as soon as possible, which is based on the driller's availability. Maybe a month out, or they could call me next week and say they have a cancellation and can go right away. The sooner we can get these approved the better, so that we're ready if they have an opening in the schedule.

Thanks,
Chris

Christopher Cicerale, PG, CSP, ASP

Project Manager/Senior Geologist

DAWSON

Mobile: 973-803-2128

From: Lopez-Brody, Nathan, OSE <Nathan.Lopez-Brody@ose.nm.gov>
Sent: Monday, March 13, 2023 3:45 PM
To: Chris Cicerale <ccicerale@dawsonohana.com>
Cc: Soicher, Alan J CIV USARMY CESP (USA) <alan.j.soicher@usace.army.mil>; Moayyad, Behnaum CIV USARMY CESP (USA) <Behnaum.Moayyad@usace.army.mil>; Emily McRee <emcree@dawsonohana.com>
Subject: RE: [EXTERNAL] Fort Wingate Revised Well Plugging Plans

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Hello Chris,

Thanks for sending these along. I'll do a quick initial review by the end of the week and let you know if I'll be able to approve these or if I need a review by the hydrology department. When are you hoping to get a driller out there?

Thanks,
Nathan

From: Chris Cicerale <ccicerale@dawsonohana.com>
Sent: Monday, March 13, 2023 1:07 PM
To: Lopez-Brody, Nathan, OSE <Nathan.Lopez-Brody@ose.nm.gov>
Cc: Soicher, Alan J CIV USARMY CESP (USA) <alan.j.soicher@usace.army.mil>; Moayyad, Behnaum CIV USARMY CESP (USA) <Behnaum.Moayyad@usace.army.mil>; Emily McRee <emcree@dawsonohana.com>
Subject: [EXTERNAL] Fort Wingate Revised Well Plugging Plans

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Aloha Nathan,

As discussed the revised Well Plugging Plans for the two artesian wells, well 68 and 69, at Fort Wingate Depot Activity are attached. Please let me know if you have any questions or concerns.

Thanks,
Chris

Chris Cicerale, PG, CSP, ASP
Project Manager/Senior Geologist
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