

From: BMG <bgordon@████████.com>
Sent: Wednesday, June 20, 2012 9:02 PM
To: Jeffrey Epstein
Cc: Richard Kahn; Darren Indyke
Subject: Fwd: E-7871-S Artesian Variance
Attachments: Figure2.pdf; Untitled attachment 00314.htm; Figure2B.pdf; Untitled attachment 00317.htm

Recommend the simpler approach
Please advise

Sent from my iPhone

Begin fo=warded message:

From: Ca=eey Cook [REDACTED] <=r>Date: June 20, 2012 11:22:28 AM
GMT-04:00
To: brice gord=n [REDACTED] =
Subject: E-7871-S Artesian Variance

Brice G.;

As we discussed, I spoke to David Anderson at OSE regarding the artesian construction variance for well E-7871-S. Mr. Anderson has reviewed the artesian variance request package we sent on June 4, 2012. The package is currently under review by others in his office, and he expects that a decision on the variance request will be returned in the next week or two.

He suggested that the annular seal and grout above the screen could be modified to simplify construction. Recall that during a phone conversation with Mr. Anderson in March 2012 we discussed the OSE concern with potential interaquifer exchange along the borehole annulus in the proposed well. To address the concern, we agreed to install multiple annular bentonite seals above the screen. Now that he has the full hydrologic picture provided in the variance request, he agrees that a single bentonite seal above the screen with Quik Grout installed in the annulus above the bentonite (and below the cement surface seal) will be adequate to prevent any fluid exchange along the borehole. The attached figures show the original plan with multiple seals (Figure 2) and the revised plan with a single seal (Figure 2B). The change would streamline well construction; bentonite seals must be left undisturbed after installation for one to three hours to hydrate. Eliminating two seals would save up to six hours of construction/standby time. I have a call in to Bill Whaley to find out whether the change would reduce his estimated drilling costs.

Mr. Anderson indicates that an email to him proposing the change would be adequate for him to incorporate it into the variance request. I would also send attached Figure 2B for clarity.

I recommend moving ahead with a single bentonite seal as shown in Figure 2B to streamline well construction. Please let me know if you want to proceed this way, or call if further discussion is needed.

=div> --
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