

## Green, Doreen [Prodigy Staff Advsr]

---

**From:** Bishir, Chris  
**Sent:** Tuesday, February 18, 2020 7:20 AM  
**To:** Thomas, Jennifer; Gray, Cindy; Geno, Kristina; Green, Doreen [Prodigy Staff Advsr]  
**Subject:** FW: [EXTERNAL] Re: Dunklee 1 (API; 05-069-06178)

**From:** Jacobson - DNR, Eric <eric.jacobson@state.co.us>  
**Sent:** Friday, February 14, 2020 6:49 PM  
**To:** Chris\_Bishir@oxy.com  
**Subject:** [EXTERNAL] Re: Dunklee 1 (API; 05-069-06178)

Chris

I am good with not tagging the plug. The 1st one provided a base to cement off of. Approved to proceed.

Eric

On Fri, Feb 14, 2020 at 5:12 PM <[Chris\\_Bishir@oxy.com](mailto:Chris_Bishir@oxy.com)> wrote:

Eric,

Sorry to be emailing you on Friday night.

We pumped our lower Sussex plug from 4288'-3769' instead of 3910'-3510'. We pumped an additional plug on top of the first one to get up to the required 3510'.

1<sup>st</sup> plug -

We pumped 115 sxs of 2.41 yld from 4288'-3769', and tagged it with slickline to confirm. This calculated to approximately a 10" hole, using 0% excess.

2<sup>nd</sup> plug -

We pumped an additional 120 sxs of 2.41 yld cement from 3769'-3510'. This volume is calculated for a 10" hole, using 100% excess.

Would it be possible to not tag this second plug, since we tagged the first one at 3769' and pumped right on top of it?

The only reason I ask is they are using 4.5" drillpipe, and it is can be difficult to tag. They don't like to tag with the drillpipe because it is so heavy it can sink and plug up quite a bit before registering a tag. What they have been doing to tag is getting the drillpipe to within 1000' of the expected top, and then rigging up slickline to tag. They can't use only slickline, because it is not heavy enough to fall in the open hole very far. It can be a time consuming process.

This rig is working 24/7.

API:	05-069-06178	KB ELEVATION:		QTR-QTR:	SESE
WELL NAME:	Dunklee 1	GROUND LEVEL:	4949	SECTION:	21
COUNTY:	LARIMER	MD:	7100	TOWNSHIP	5N
LATITUDE:	40.379913	PBMD:		RANGE:	68W
LONGITUDE:	-105.004899	CREATED BY			
		DATE:	2/11/2019		
Proposed					
Hole Size/Depth	12 1/4"			Surf	TOC
	Deepest water well Perf within 1 mile	29'			
	Deepest water well within 1 mile	160'			
<u>Surface Casing</u>					
	Casing Size/Depth: 8-5/8", 32# @	208'	195 sxs 15.8# 1.15 yld		
	Fox Hills Aquifer Base	220'			
	Fox Hills Aquifer Marker	320'			
				420'	BOC
			12# 2.41 yld	3510'	TOC
	Sussex Top	3710'	120 sxs	3769'	BOC
	SX/SH not productive within 1 mile		12#	3769'	TOC
	Shannon Top	4135'	2.41 yld		
	SX/SH not productive within 1 mile		115 sxs	4260'	BOC
			15.8 # 1.53 yld	5800	TOC
			180 sxs	6200	BOC
				6320'	Cut casing
	TOC (CBL)	6362'			
			5x		Existing Cement
			6570'		New CICR
					Existing CICR
Niobrara Top	6655'				New CICR

Thanks,

Chris Cordaro Bishir

432.209.1371

--

Eric Jacobson, PE  
Engineer



[303-894-2100](tel:303-894-2100) (5265)

[\*1120 N Lincoln St Ste 801, Denver, CO 80203\*](#)