

Subject: Nina Star Farms Appeal 24-05 - New Info - Well Rpt

Chair Crandell, Vice Chair Rasmussen and Supervisors,

This is a public comment with new information on the applicant's well report. According to the applicant's hydrology report:

The Project estimates its water demand to be 5,000 gallons a day during construction phase and then 1,000 gallons a day. (Property Management Plan, p. 6).

The Project's well completion report (attached) shows:

- Water Level: 11 feet
- Total Depth of Completed Well: 303 feet
- Total Drawdown: 269 feet

With a static water level at 11 feet below ground level and the creek within the well's sphere of influence, the well is probably pulling some water from the creek subsurface flow. The wells of neighbors similarly situated—near the creek--can be impacted by the Project's increased water demand on the area's limited water source.

A well with a 269-foot drawdown producing 3 gallons per minute is not a very good well; it will supply about .75 acre of cannabis at peak demand. Please keep in mind that neighbors to the Project reported water supply issues dating back years: wells going dry, neighbors having to truck in water.

Thank you for your consideration.

Sincerely,

Margaux Kambara

Lake County Resident

State of California
Well Completion Report
 Form DWR 188 Auto-Completed 11/8/2021
 WCR2021-011469

Owner's Well Number _____ Date Work Began 02/17/2021 Date Work Ended 03/07/2021
 Local Permit Agency Lake County Health Services Department - Environmental Health Division
 Secondary Permit Agency _____ Permit Number WP0003696 Permit Date 02/16/2021

Well Owner (must remain confidential pursuant to Water Code 13752)				Planned Use and Activity	
Name <u>XXXXXXXXXXXXXXXXXXXX</u>				Activity <u>New Well</u>	
Mailing Address <u>XXXXXXXXXXXXXXXXXXXX</u> <u>XXXXXXXXXXXXXXXXXXXX</u>				Planned Use <u>Water Supply Irrigation - Agriculture</u>	
City <u>XXXXXXXXXXXXXXXXXXXX</u>		State <u>XX</u>		Zip <u>XXXXX</u>	

Well Location									
Address <u>23180 Shady Grove RD</u>						APN <u>014-006-16</u>			
City <u>Middletown</u>		Zip <u>95461</u>		County <u>Lake</u>		Township <u>10 N</u>			
Latitude <u>38</u> <u>43</u> <u>9.012</u> <u>N</u>		Longitude <u>-122</u> <u>36</u> <u>44.1719</u> <u>W</u>		Range <u>07 W</u>		Section <u>14</u>			
Deg. Min. Sec.		Deg. Min. Sec.		Deg. Min. Sec.		Baseline Meridian <u>Mount Diablo</u>			
Dec. Lat. <u>38.71917</u>				Dec. Long. <u>-122.61227</u>		Ground Surface Elevation _____			
Vertical Datum _____				Horizontal Datum <u>WGS84</u>		Elevation Accuracy _____			
Location Accuracy <u>Unknown</u>		Location Determination Method <u>GPS</u>		Elevation Determination Method _____					

Borehole Information				Water Level and Yield of Completed Well			
Orientation <u>Vertical</u>		Specify _____		Depth to first water _____ (Feet below surface)			
Drilling Method <u>Cable Tool</u>		Drilling Fluid <u>Water</u>		Depth to Static _____			
Total Depth of Boring <u>303</u> Feet				Water Level <u>11</u> (Feet) Date Measured <u>03/08/2021</u>			
Total Depth of Completed Well <u>303</u> Feet				Estimated Yield* <u>3</u> (GPM) Test Type <u>Pump</u>			
				Test Length <u>2</u> (Hours) Total Drawdown <u>269</u> (feet)			
*May not be representative of a well's long term yield.							

Geologic Log - Free Form		
Depth from Surface Feet to Feet		Description
0	30	Top soil mixed with smooth gravels
30	190	Hard basalt
190	303	Fractured basalt

Casings										
Casing #	Depth from Surface Feet to Feet		Casing Type	Material	Casings Specificatons	Wall Thickness (inches)	Outside Diameter (inches)	Screen Type	Slot Size if any (inches)	Description
1	0	23	Blank	PVC	N/A	0.173	4.5			solid
1	23	43	Screen	PVC	N/A	0.173	4.5	Milled Slots	0.032	Screen
1	43	63	Blank	PVC	N/A	0.173	4.5			solid
1	63	83	Screen	PVC	N/A	0.173	4.5	Milled Slots	0.032	screen
1	83	103	Blank	PVC	N/A	0.173	4.5			solid
1	103	123	Screen	PVC	N/A	0.173	4.5	Milled Slots	0.032	screen
1	123	143	Blank	PVC	N/A	0.173	4.5			solid
1	143	163	Screen	PVC	N/A	0.173	4.5	Milled Slots	0.032	screen
1	163	183	Blank	PVC	N/A	0.173	4.5			solid
1	183	203	Screen	PVC	N/A	0.173	4.5	Milled Slots	0.032	screen
1	203	223	Blank	PVC	N/A	0.173	4.5			solid
1	223	243	Screen	PVC	N/A	0.173	4.5	Milled Slots	0.032	screen
1	243	263	Blank	PVC	N/A	0.173	4.5			solid
1	263	283	Screen	PVC	N/A	0.173	4.5	Milled Slots	0.032	screen
1	283	303	Blank	PVC	N/A	0.173	4.5			solid

Annular Material					
Depth from Surface Feet to Feet		Fill	Fill Type Details	Filter Pack Size	Description
21	303	Filter Pack	Other Gravel Pack	pea gravel	double washed pea gravel
0	21	Bentonite	Other Bentonite		hydrated bentonite seal

Other Observations:

