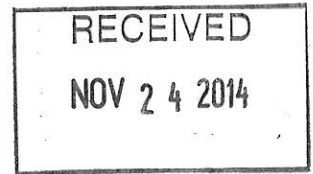


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November 24, 2014

Mr. Lou Calcagno, Chairman
and Supervisors
Monterey County Board of Supervisors
168 W. Alisal Street, 1st Floor
Salinas, CA 93901

Re: Harper Canyon Realty LLC – Encina Hills PLN 000696

Dear Mr. Chairman and Honorable Supervisors:

I am writing to provide you with a status report on the water drawdown tests that are being performed on the two wells which are the source of water for the above project; and to request sufficient time to complete those tests and obtain the report from the hydrogeologist who has been engaged to analyze the results of those tests. This necessitates continuance of the appeal hearing to a later date when the tests and report are completed.

As you will recall, during the course of the hearing on this matter, the applicant was asked to further test the source of water for the project before a final decision is made on the project. The applicant agreed to conduct such tests. In consultation with the Health Department and Planning staff, it was determined appropriate that tests be conducted on both the Oaks well (owned by California American Water Company, the owner and operator of the Ambler Parks water system), as that well is the primary source of water for the project; and the well owned by the applicant which was initially drilled and partially developed by the applicant as a backup well for the project.

As to the Oaks well, the 72 hour pump test was conducted and completed from October 24th - 27th. When this well was developed and tested in 2000, it was pump tested with a 5 horsepower pump and produced an average of 37 gpm, and the hydrogeologist concluded that such well was capable of producing 60 gpm. The well was ultimately developed with a 2 horsepower pump and, during the recent test with that 2 horsepower pump, the well produced at 24 gpm. That pump has been inactive since 2000 and was operating at a 37% efficiency rate. After 72 hours of pumping, the water table recharged 100% in less than 13 hours, far exceeding the required 72 hour recharge allowance.

Aaron Bierman of Bierman Hydrogeologic is the hydrogeologist who has been engaged to oversee the test of the two wells. His preliminary analysis is that the Oaks well is capable of producing 100 gpm with the correct pump. He is scheduled to conduct the test on the applicant's well during the week of December 1, 2014. This week, a 5 hp pump is being installed in the applicant's


well so the test can be completed. Once the testing is completed on the applicant's well, Mr. Bierman will analyze the data of both drawdown tests and provide a written report to the County for consideration. His schedule is such that he will not produce the written report until the end of January, 2015.

The Board should be aware that procuring these drawdown tests has been a difficult, costly and time consuming project. Under current drought conditions, it has been challenging to engage the necessary professionals to complete the test at reasonable costs and on a schedule acceptable to the County. In addition, there have been logistical challenges in terms of how to discharge the test water which has added difficulty to the project both in terms of scheduling and costs. The estimated costs to complete the tests, to which applicant has committed, is \$60,000 with approximately \$30,000 spent to date.

The applicant has been diligent in the prosecution of this task and requests that it be given the opportunity once again to validate the water source which will supply this project. Such water source was previously proven as a requirement to the application being deemed complete on November 22, 2002. The project opponents, who have consistently engaged in delaying tactics to prevent this project from being considered for a final approval, now seek to prevent the completion and consideration of such test results. To deny such opportunity to an applicant who has diligently and timely persevered through the arduous subdivision process would be arbitrary and capricious indeed. Fairness dictates completion of the investigation and consideration of the results.

Thank you for your consideration.

Respectfully submitted,



Michael D. Cling

MDC/mmb

cc: Richard Le Warne
Roger Van Horn
Laura Lawrence
Harper Canyon Realty

Subject: Oaks Well Data
From: "Aaron Bierman" <abierman@comcast.net>
Date: 11/23/2014 5:03 PM
To: "'Mike Cling'" <mdc@michaelcling.com>

Michael –

Please see attached:

- 1) Groundwater Drawdown and Recovery Curve
- 2) Credited Source Capacity and Calculated Well Yield Table

Basically, the well is capable of 100 gpm if the correct pump was installed.
100% Recovery in 770 min. or 12.8 hr.

Great Well.

Neighboring school well at ~700 ft away ± had 1.7 feet of maximum drawdown at end of testing -- in significant for a well that too only has 20ft drawdown at 30 gpm>

Great aquifer, minus the constituents of arsenic.

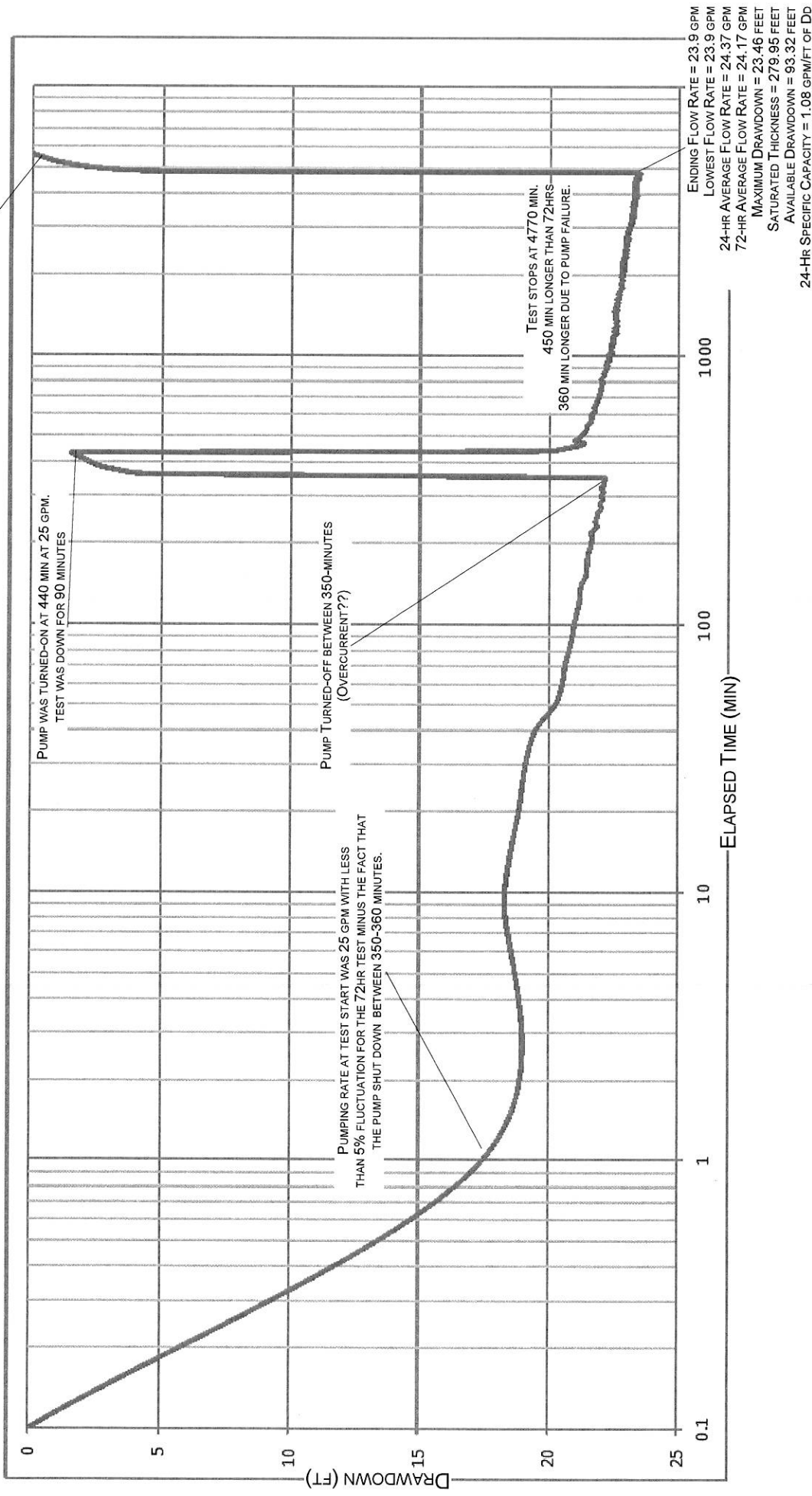
I will be meeting two neighboring parcels tomorrow.. glad we have a minimum of two wells to monitor. My analysis and results will be solidified this way.!

Aaron

— Attachments: —

GWDD_Recovery Curve_Oaks Well.pdf	99.8 KB
Source Capacity Calculator_Oaks Well.pdf	8.4 KB

GROUNDWATER RECOVERED TO 100% IN 770 MINUTES (12.8 HRS)



GROUNDWATER DRAWDOWN AND RECOVERY CURVE

OAKS WELL - APN: 161-011-078
Monterey County, California

FIGURE
1

By: A. Bierman, 1/23/14
C:\Figures\GW_D08\Fec

Credited Source Capacity & Calculated Well Yield

<i>Client:</i> Michael Cling	<i>Date:</i> November 23, 2104
<i>Site Location:</i> APN: 161-011-078	<i>Well #:</i> Oaks Well
<i>Scope of Work:</i> Regulated Constant Rate Pumping Test & Analysis	<i>Test Date:</i> October 24 through 27, 2014
<i>Completed By:</i> A. Bierman	<i>Recovery:</i> October 27 thorough 30th, 2014

Oaks Well	Static Groundwater Level :	120.05 ft, bTOC		
	Top of Sounding Tube (ft, ags):	0 ft, ags		
	Static Groundwater Level :	120.05 ft, bgs		
	Bottom of Perforations :	400 ft, bgs		
	Saturated Thickness:	279.95 ft		
	Available Drawdown:	93.32 ft		
	Lowest Sustainable Pumping Rate:	23.90 gpm	24-hr Average Pumping Rate:	24.37 gpm
	Pumping Duration:	4320 min	72-hr Average Pumping Rate:	24.17 gpm
	Drawdown at 24 hrs:	22.56 ft		
	24-hr Specific Capacity:	1.08 gpm/ft of Dd		
	Drawdown at 72 hrs:	23.46 ft		
	72-hour Specific Capacity:	1.02 gpm/ft of Dd		
	Early Time Transmissivity : 4853.54 gpd/ft			
	Dd @ 70 min:	20.61 ft		
	Dd @ 700 min:	21.91 ft		
	Change in Dd:	1.3 ft		
Late Time Transmissivity: 6066.92 gpd/ft				
	Dd @ 350 min:	22.15 ft		
	Dd @ 3500 min:	23.19 ft		
	Change in Dd:	1.04 ft		
	Ratio of Early to Late Time "T":	1.25 unitless		
	Adjusted 24-Hr Specific Capacity:	1.35 gpm/ft of Dd		
	Calculated Well yield	100.80 gpm		
	Pre-Recovery Pumping Rate =	23.90 gpm		
Recovery Requirement & Recovery Percentage:				
	Depth to Water at Maximum Drawdown	143.51 ft		
	Depth to Water at 1 times the pumping period:	120.05 ft		
	Depth to Water at 2 times the pumping period:	119.48 ft		
	Maximum Drawdown:	23.46 ft		
	95% of Total Drawdown =	22.287 ft	Equivalent to DTW of: 121.223 ft, bTOC	
	2-feet from Static Groundwater =	122.05 ft, bTOC	Equivalent Rec. % of: 91.47 %	
	MCEHB Recovery Requirement =	91.47 %		
	MPWMD Recovery Requirement =	95.00 %		
	1x Pumping Period Recovery Percentage =	100.00 %		
	2x Pumping Period Recovery Percentage =	102.43 %		
	MCEHB Percent Lack of Recovery =	-8.53 %		
	MCEHB Amount Reduction in Pumping Rate =	-2.04 gpm		
	MPWMD Percent Lack of Recovery =	-7.43 %		
	MPWMD Amount Reduction in Pumping Rate =	-7.49 gpm		