



**3150 JOHNSON RD.**  
HYDESVILLE, CA.  
(707) 768-9800  
dave@fischdrilling.com

August 2, 2016

Maria Olson  
220 Riverview Rd.  
Fortuna, Ca. 95540

**Olson Property  
220 Riverview Rd.  
Fortuna CA. 95540**

Attached are the statistics for a Well Pump Test at 220 Riverview Rd. Fortuna CA. performed on August 1 2017.

The well production was approximately 3 GPM which equates to 4300 gallons per day. The well is located about 1050' to the East of Palmer Creek and ½ mile North from the Fel River. The elevation of the well puts it approximately 200' above Palmer Creek's elevation.

Enclosed are Well Completion Reports, DWR 188, for wells drilled in the area surrounding 220 Riverview Rd. Regarding the depth of the Olson well in review, there are aquitard's in the stratigraphy within surrounding wells between 80'-200' to demonstrate disconnection from surface influence.

Considering the depth of the Olson well and it's water level, it appears to fall in line with other wells of similar depth in the surrounding area. There is no historical information on this well but regardless, it seems to have the same characteristics as other wells with completed logs in the area.

Any questions please call.

Thank You,

A handwritten signature in blue ink, appearing to read "David Fisch", is written over a horizontal line.

David Fisch  
Fisch Drilling



3150 Johnson Rd.  
 Hydesville, CA 95547 (707)768-9800

**Maria Olson**  
 220 Riverview Fortuna Ca.  
**Test Pump Results**

Well Depth 257' +/-  
 Pump Depth 245' +/-  
 Water level 109'

5/min	134.4	10
10min	137.3	10
15min	145.2	10
20min	147.8	10
25min	153.6	10
30min	159.1	10
35min	162.9	9
40min	169.8	8
45min	176.7	8
50min	184.7	7
55min	196.4	6
1hr.	201.2	6
1:10hr	209.4	4
1:20hr	219.1	3
1:30hr	122.7	3
1:40hr	125.4	3
1:50hr	226.3	3
2hr	226.1	3
2:30hr	226.9	3
3hr	226.2	3
4hr	226.2	3

#### **Tm/water level GPM**

The well sustained 3 GPM for 4 hours, this flow rate along with the quick recovery time is indicative of a stable well recharged aquifer.

The requirements for building permit is 0.5 gpm (750 gpd)  
 The current sustained yield is 3 GPM is (4320 gal per day).  
 As per your anticipated requirements are 1000 per day at peak season the well should meet your needs.

This test was completed during the dry season and not representative of wet weather conditions

#### **Recovery Depth Time**

226.2	4hr
180.9	4:30hr
137.1	5:00hr



**Legend**  
Feature 1



Maria Olson current well Elv. 254'

54-Tompkins hill rd well

104 Bryant Ln. well

Palmer Creek 1055' from Olson well @ elv. 56'













File Original with DWR

# State of California Well Completion Report

Refer to Instruction Pamphlet

No. **e0098309**

Page 1 of 2

Owner's Well Number 1

Date Work Began 09/10/2009

Date Work Ended 9/14/2009

Local Permit Agency Humboldt County E.H.D.

Permit Number 09/10-0100

Permit Date 9/8/09

DWR Use Only - Do Not Fill In

State Well Number/Site Number

Latitude

Longitude

APN/TRS/Other

## Geologic Log

Orientation ☒ Vertical ☐ Horizontal ☐ Angle Specify \_\_\_\_\_  
Drilling Method Direct Rotary Drilling Fluid Bentonite mud

Depth from Surface Feet to Feet Description Describe material, grain size, color, etc

0	3	Clayey Silt Tan
3	36	Silty Clay W/ Pea Gravel Brown
36	82	Pea Gravel Weathered Redish Brown
82	96	Blue Clay
96	114	Pea Gravel W/Sand Blue
114	139	Blue Clay
139	148	Sandy Gravel Gray Blue
148	166	Blue Clay W/Sand
166	177	Gravel Blue
177	182	Blue Clay

Total Depth of Boring 182 Feet

Total Depth of Completed Well 180 Feet

## Well Owner

Name \_\_\_\_\_

Mailing Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

## Well Location

Address 104 Bryant Lane

City Fortuna

County Humboldt

Latitude \_\_\_\_\_

N

Longitude \_\_\_\_\_

W

Datum \_\_\_\_\_

Decimal Lat. \_\_\_\_\_

Decimal Long. \_\_\_\_\_

APN Book 200

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Parcel 028

Township \_\_\_\_\_

Range \_\_\_\_\_

Section \_\_\_\_\_

## Location Sketch

(Sketch must be drawn by hand after form is printed.)

North



South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.

## Activity

- ☒ New Well  
☐ Modification/Repair  
☐ Deepen  
☐ Other  
☐ Destroy

Describe procedures and materials under "GEOLOGIC LOG"

## Planned Uses

- ☒ Water Supply  
☒ Domestic ☐ Public  
☐ Irrigation ☐ Industrial  
☐ Cathodic Protection  
☐ Dewatering  
☐ Heat Exchange  
☐ Injection  
☐ Monitoring  
☐ Remediation  
☐ Sparging  
☐ Test Well  
☐ Vapor Extraction  
☐ Other

## Water Level and Yield of Completed Well

Depth to first water 80 (Feet below surface)

Depth to Static

Water Level 83 (Feet) Date Measured 09/11/2009

Estimated Yield 15 (GPM) Test Type Air Lift

Test Length 4.0 (Hours) Total Drawdown 168 (Feet)

\*May not be representative of a well's long term yield.

## Casings

Depth from Surface Feet to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)
0	80	10	Blank	PVC Sch. 80	CL200	5	
80	180	10	Screen	PVC Sch. 80	CL200	5	Milled Slots 0.032

## Annular Material

Depth from Surface Feet to Feet	Fill	Description
0	20	Bentonite Sanitary Seal
20	180	Filter Pack 3/8" Pea Gravel

## Attachments

- ☐ Geologic Log  
☐ Well Construction Diagram  
☐ Geophysical Log(s)  
☐ Soil/Water Chemical Analyses  
☒ Other Location Map

## Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name FISCH DRILLING

Person, Firm or Corporation

3150 JOHNSON ROAD

HYDESVILLE

CA 95547

Signed \_\_\_\_\_

Address

City

State

Zip

C-57 Licensed Water Well Contractor

09/19/2009

683865

Date Signed C-57 License Number