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FEB 09 2026

IDWR / NORTH

David Ard
3627 23rd St.
Lewiston, ID 83501
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2304 Grelle Ave.
Lewiston, ID 83501
208.305.5210
mjimbowen@gmail.com

February 6, 2026

BEFORE THE IDAHO DEPARTMENT OF WATER RESOURCES

STATE OF IDAHO

IN THE MATTER OF DISTRIBUTION OF WATER TO WATER RIGHT NOS. 85-15730 – ARD AND 85-15851 – BOWEN	DOCKET NO.: _____ ARD & BOWEN PETITION FOR DELIVERY CALL
--	--

David Ard & Jim Bowen, hereby submit the following Petition for Delivery Call in
accordance with Art. XV, § 1, 3, and 5, Idaho Constitution, LC. §§ 42-101, 226, and IDAPA
37.03.11.041 or as otherwise provided for by the laws of the State of Idaho:

I. Petitioners

1. In 2004, David Ard constructed a well for use at 3627 23rd Street, Lewiston, Idaho,
his primary place of residence. Water from the well is used to support the residence
and irrigation of the land. To date, the well remains the only source of water for the
residence.
2. In 2004, Ard's well was drilled to a depth of 850 feet. Water was encountered at 760
feet and had a static level of 684 feet. Production was 100+ gallons per minute

- (GPM). David Ard obtained Water Right #85-15730, to provide irrigation to 1.1 acres of land with a diversion rate of 0.03 CFS. (Priority date of 6/29/2010). Exhibit 1.
3. In 2009, Jim Bowen constructed a well for use at 2304 Grelle Ave, in Lewiston, Idaho, his primary place of residence. Water from the well is used to support the residence and provide water for stock. In 2015, this well began to struggle to provide enough water for the household and a few animals. This happened each year, usually in early May and continued on through the irrigation months. In 2022, Bowen annexed into the LOID water system as a backup the well. He paid for annexation and hookup which cost \$18,763.54. He gets domestic water only.
 4. In 2009, Bowen's well was drilled to a depth of 850 feet. Water was encountered at 810 feet and had a static level of 684 feet. Production was 60+ gallons per minute (GPM). Jim Bowen obtained Water Right #85-15851 for residential use and stock water at a combined 0.06 CFS. (Priority date of 5/1/2009). Exhibit 2.
 5. IDWR designates both Ard's and Bowen's wells are within the Grande Ronde Aquifer and also within Lewiston Plateau Ground Water Management Area (GWMA). Exhibits 3 and 4. LOID wells #5 and #6 are also located within the Grande Ronde Aquifer as stated by both IDWR and LOID. The Grande Ronde Aquifer is the common ground water supply for the above-mentioned parties.
 6. Ard's well has an electronic monitoring device and has had manual water level management since 2014. Bowen's well is near to, and similar in construction to Ard's, and is almost identical.

II. Respondents

1. Lewiston Orchards Irrigation District (LOID) is a business located at 1520 Powers Avenue, in Lewiston, Idaho. LOID obtained Water Right #85-15255, for municipal storage and fire protection storage. (Priority 05/08/2014). To divert water for this purpose LOID built two wells, Well #5 and Well #6 that pump water into Mann Lake.
 - A. Well #5 was completed in April, 2015. This well can pump over 2,000 GPM. Exhibit 5.
 - B. LOID completed Well #6 in 2019, which is also capable of producing 2000 GPM. Exhibit 6.
 - C. LOID is the respondent incriminated in this petition for delivery call because they are by far the most injurious junior water rights entity pumping water from the Grande Ronde Aquifer within the Lewiston Plateau GMA.
2. The following respondents are being named per the request of LOID, by the direction of the administrative hearing officer, and in accordance with IDAPA 37.03.11.041. However, the petitioners believe these well-owners' individual impacts to be minimal on the water level declines in the Lewiston Plateau GWMA.

Name	Address	City	ST	Zip	Water Right #
Flying B Family Farms LLC	369 Lytle Creek Rd	Lytle Creek	CA	92358	85-15733
David & Susan Smith	30832 Volmer Rd	Lewiston	ID	83501	85-15735
Gregory E. Phillips	800 Tammany Ridge Rd	Lewiston	ID	83501	85-15759
Mark & Joan Wittman	6045 Cactus Ln	Lewiston	ID	83501	85-15767 85-15768 85-15837
Red Pheasant Water Co. LLC	1065 Harvest Moon Ln	Lewiston	ID	83501	85-15772
Tammany View LLC	PO Box 356	Grangeville	ID	83530	85-15690
Verl Long	15219 Gray Chuckar Dr.	Lewiston	ID	83501	85-15791
Brent & Linda Schumacher	269 Barnaby Creek Dr	Inchelium	WA	99138	85-15801 85-15810
Richard Kelly & Connie Kelly Revocable Living Trust	30080 Volmer Rd	Lewiston	ID	83501	85-15805
Idaho State Dept of Lands	PO Box 83720	Boise	ID	83720	85-15816
Tyler Smith & Amberlea Doyle	3982 Blue Grass Ln	Lewiston	ID	83501	85-15829
Kenneth Humiston	940 Eagles Pointe Blvd	Lewiston	ID	83501	85-15858
Michael Albright	988 Eagles Pointe Blvd	Lewiston	ID	83501	85-15856
Dave Howell	29978 Thiessen Rd	Lewiston	ID	83501	15-15847
Trevor Yochum	1030 Eagles Pointe Blvd	Lewiston	ID	83501	15-15857
Progressive Development LLC	3745 Skyview Dr.	Lewiston			85-15867 85-15868
Joseph F. Kaufman	30305 Kaufman Ln	Lewiston	ID	83501	85-15872

III. Basis of Call

Since LOID began using Wells #5 and #6, other wells with senior water rights have been declining, not recharging.

1. IDWR's monitoring of domestic wells, which have little to no irrigation, shows a sharp decline in water levels between 2020 and 2021. Specifically, the water levels lowered between 18 and 29 feet where LOID wells are located. Exhibit 7.
2. The Grande Ronde Basalts water levels have decreased an average of 10 feet in the last four years. Exhibit 8.
3. Ard's and Bowen's wells have experienced a continued decrease in available water. Data from IDWR monitoring of Ard's well (through both manual measurements and transducer data) show a substantial decrease in water levels. Water levels went from 753 feet in 2015 to 792 feet in 2025. Exhibit 3.
4. There is a direct correlation between Ard's well and LOID pumping periods. Data from Ard's monitoring matches the same trend as declines between 2016 and 2021 in the Wapshilla Ridge area of the Grande Ronde Aquifer. Exhibits 9, 10, and 11.
5. A map of the area shows that Ard's and Bowen's wells are within the cone of depression from LOID pumping activity in the area. This area showed a decrease in water levels between 6 and 12 feet between Spring 2021 and Spring 2023 when LOID began its most aggressive pumping. Exhibits 4 and 12.
6. Water pumped from LOID's Wells #5 and #6 is not the best method of water delivery or storage. Mann Lake reservoir has a seepage estimate of between 330 to 520 acre feet per year. Exhibit 13.

7. The 2019 Lewiston Plateau Water Management Plan states that public utilities will conserve water (Art. V. § G.) LOID states that their patrons are good water stewards and restrictions are not necessary. LOID management states that people waste more water during times of rationing, so they don't utilize this method.

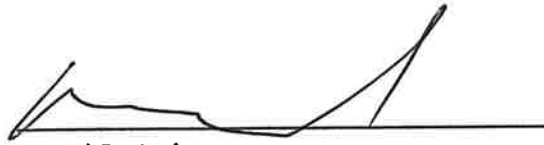
IV. Relief Requested

1. Pursuant to the Department's constitutional and statutory duty to supervise the distribution of water under Art. XV, § 3 Idaho Const., LC. §§ 42-101, 226, and IDAPA 37.03.11.020 and 37.03.11.041 or as otherwise provided for by the laws of the State of Idaho, Ard and Bowen respectfully request that the Director:

- A. Accept data gathered and interpreted by IDWR hydrogeologist(s);
- B. Find that all parties are within the Lewiston Plateau GWMA;
- C. Find that Ard's and Bowen's wells have suffered, and will suffer, material injury as a result of LOID junior water right priority (Water Right # 85-15255) ground water pumping in the areas encompassed by the Lewiston Plateau GWMA;
- D. Curtail LOID junior water right priority (Water Right # 85-15255) pumping as necessary to allow recharge of Grande Ronde Aquifer, prevent waste, and ensure continued access to water for Ard and Bowen.
- E. Provide for such other and further relief as may be deemed appropriate.

F. Otherwise manage the ground water from Grande Ronde Aquifer to
mitigate the declining water levels.

Dated this 4th day of February 2026.



David R. Ard



Mark J. Bowen

On or around the 4th day of February 2026, Ard and Bowen caused a true and correct copy of the foregoing document to be served upon the following:

Director Mathew Weaver IDAHO DEPARTMENT OF WATER RESOURCES PO Box 83720 Boise, ID 83720-0098	☒ Federal Express (FedEx) ☐ Mailed USPS ☐ Hand Delivered
Michelle Richman Northern Regional Office 7600 N. Mineral Dr., Ste 100 Coeur D Alene, ID 83815-7763	☒ Federal Express (FedEx) ☐ Mailed USPS ☐ Hand Delivered
President Frank Maresca Board of Directors, Lewiston Orchards Irrigation District 1520 Powers Ave. Lewiston, ID 83501	☒ Federal Express (FedEx) ☐ Mailed USPS ☐ Hand Delivered
Flying B Family Farms LLC 369 Lytle Creek Rd Lytle Creek, CA 92358	☒ Federal Express (FedEx) ☐ Mailed USPS ☐ Hand Delivered
David & Susan Smith 30832 Volmer Rd Lewiston, ID 83501	☐ Federal Express (FedEx) ☐ Mailed USPS ☐ Hand Delivered
Gregory E. Phillips 800 Tammany Ridge Rd Lewiston, ID 83501	☐ Federal Express (FedEx) ☐ Mailed USPS ☐ Hand Delivered
Mark & Joan Wittman 6045 Cactus Ln Lewiston, ID 83501	☐ Federal Express (FedEx) ☐ Mailed USPS ☐ Hand Delivered
Red Pheasant Water Co. LLC 1065 Harvest Moon Ln Lewiston, ID 83501	☒ Federal Express (FedEx) ☐ Mailed USPS ☐ Hand Delivered
Tammany View LLC PO Box 356 Grangeville, ID 83530	☒ Federal Express (FedEx) ☐ Mailed USPS ☐ Hand Delivered
Verl Long 15219 Gray Chuckar Dr. Lewiston, ID 83501	☐ Federal Express (FedEx) ☐ Mailed USPS ☐ Hand Delivered

Brent & Linda Schumacher 269 Barnaby Creek Dr Inchelium, WA 99138	☒ Federal Express (FedEx) ☐ Mailed USPS ☐ Hand Delivered
Richard Kelly & Connie Kelly Revocable Living Trust 30080 Volmer Rd Lewiston, ID 83501	☐ Federal Express (FedEx) ☐ Mailed USPS ☐ Hand Delivered
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Dave Howell 29978 Thiessen Rd Lewiston, ID 83501	☐ Federal Express (FedEx) ☐ Mailed USPS ☐ Hand Delivered
Kenneth Humiston 940 Eagles Pointe Blvd Lewiston, ID 83501	☐ Federal Express (FedEx) ☐ Mailed USPS ☐ Hand Delivered
Mike Albright 988 Eagles Pointe Blvd Lewiston, ID 83501	☐ Federal Express (FedEx) ☐ Mailed USPS ☐ Hand Delivered
Trever Yochum 1030 Eagle Pointe Blvd Lewiston, ID 83501	☐ Federal Express (FedEx) ☐ Mailed USPS ☐ Hand Delivered
Progressive Development LLC 3745 Skyview Dr Lewiston, ID 83501	☐ Federal Express (FedEx) ☐ Mailed USPS ☐ Hand Delivered
Joseph F. Kaufman 30305 Kaufman Ln Lewiston, ID 83501	☐ Federal Express (FedEx) ☐ Mailed USPS ☐ Hand Delivered

Plaintiff Exhibit #1

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only		
Well ID No.		
Inspected by		
Twp	Rge	Sec
1/4	1/4	1/4
Lat	Long	
☐ Pump ☐ Boiler ☒ Air ☐ Flowing Artesian		

1. WELL TAG NO. D 00 33528
DRILLING PERMIT NO. 8.15.12
Water Right or Injection Well No. _____

2. OWNER:
Name Cara Ard
Address 5301 Powers
City Lewiston State ID Zip 73501

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub or Directions to well.
Tap 35 North ☒ or South ☐
Rge 5 East ☐ or West ☒
Sec 13 1/4 SW 1/4 SW 1/4
Gov't Unit _____ County Neperewé
Lat _____ Long _____
Address of Well Site 2301 Powers Ave
Lewiston City Lewiston
Lt _____ Blk _____ Sub Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	0	25	450#	Top Pour

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Whisker	Thermostat
2"	+2	-392	250	Steel	☒	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____
Packer ☐ Y ☒ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method SAW
Screen Type & Method of Installation _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
-770	-890	1/2" x 4	60	6"	PVC	☐	☒

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

6.2' ft. below ground Artesian pressure - ft.
Depth flow encountered - ft. Describe access port or control device:
Top of casing
5N 6W 13

12. WELL TESTS:

Flow rate (gpm)	Discharge	Pumping Level	Time
100			1.50

Water Temp 56° Bottom hole temp _____
Water Quality test or comments: Good

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
0	14	Sandy Loam		
14	38	Hard Blk Bslt		
38	61	Brown w/blk Bslt		
61	92	md Hd. Blk. Bslt		
92	119	Hd Blk Bslt		
119	231	Brown shale		
231	290	Blue shale		
290	320	Green shale		
320	345	TAN Sandy clay		
345	410	TAN clay		
410	602	HARD BLK BSLT		
602	760	med. Hd Bslt		
760	850	Soft Black Bslt - Green Sand 100		

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APR 13 2004
IDWR North

Completed Depth 850' (Measure)
Date: Started 3-13-04 Completed 3-21-04

14. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name White & Ke H Drilling Firm No 125
Principal Driller Bob J. Jellison Date 4-12-04
and
Driller or Operator II Don J. Jellison Date 4-12-04
Operator I _____ Date _____
Principal Driller and Rig Operator Required
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

Plaintiff Exhibit #2

Form 238-7
6/07

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 000 56434

Drilling Permit No. 895648
Water right or injection well #

2. OWNER

Name JIM BOWEN
Address 2007 POWERS DRIVE
City LEWISTON State ID Zip 83501

3. WELL LOCATION:

Twp 35 North ☒ or South ☐ Rge 05 East ☐ or West ☒
Sec 5 1/4 SW 1/4 NW 1/4

Gov's Lot -- County LATAH
Lat 46° 24.33.54 (Deg and Decimal minutes)
Long 116° 59.56.12 (Deg and Decimal minutes)
Address of Well Site 2300 23RD STREET City LEWISTON

Area of land (Acres) of well's location (Acres) (Acres)

Lot -- Blk -- Sub. Name --

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation ☐ Thermal ☐ Injection
☐ Other

5. TYPE OF WORK check all that apply (Replacement etc.)

☐ New Well ☐ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other

6. DRILL METHOD:

☒ Air Rotary ☐ Mud Rotary ☐ Cable ☐ Other

7. SEALING PROCEDURES

Seal material	From (ft)	To (ft)	Quantity (lbs or ft)	Placement method/procedure
BENTONITE	0	18	8400	TOP POUR

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Flowliner	Method
8"	+2	78	.250	STEEL	☒	☐	☐	☒
6"	160	380	.250	STEEL	☐	☐	☐	☐
5 9/16"	410	770	.188	STEEL	☐	☒	☐	☐
4.5"	780	1160		PVC	☐	☒	☐	☐

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 18

9. PERFORATIONS/SCREENS:

Perforations ☒ Y ☐ N Method SAW

Manufactured screen ☐ Y ☒ N Type

Method of installation

From (ft)	To (ft)	Slot size	Material	Gauge or Schedule
730	770	1/8X4	STEEL	.188

Length of Headpipe N/A

Length of Tailpipe

Packer ☐ Y ☒ N Type

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lb or ft)	Placement method
N/A				

11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSG)

Describe control device

35N 05W 05

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 810 Static water level (ft) 684

Water temp. (°F) 55 Bottom hole temp. (°F)

Describe access point TOP OF CASING - CAP

Well test:

Test method:

60+ | 60 | ☐ | ☐ | ☒ | ☐

Water Quality test or comments: GOOD

13. LITHOLOGIC LOG and/or repairs or abandonment:

Depth (ft)	Remarks (Thickness, description, repairs or other pertinent water logs)	Notes	
10	0	12 DIRT	X
10	12	18 BASALT	X
8	18	190 BLACK BASALT	X
8	190	380 BLUE/GRAY SHALE	X
6	380	485 BLACK BASALT	X
6	485	530 SOFT BROWN BASALT	X
6	530	575 BLACK / TAN SHALE BASALT MIX	X
6	575	633 MED BLACK BASALT	X
6	633	660 SOFT BLACK BASALT MIX SHALE	X
6	660	700 HARD BLACK BASALT	X
6	700	810 MED BROWN BASALT	X
6	810	850 SOFT RED BASALT	X

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JUN 02 2009

IDWR/North

Completed Depth (Measurable) 850
Date Started 04/26/09 Completed 05/01/09

14. DRILLER'S CERTIFICATION

We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name TWO U DRILLING, LLC No. 125

Principal/Owner WU Date 5/01/09

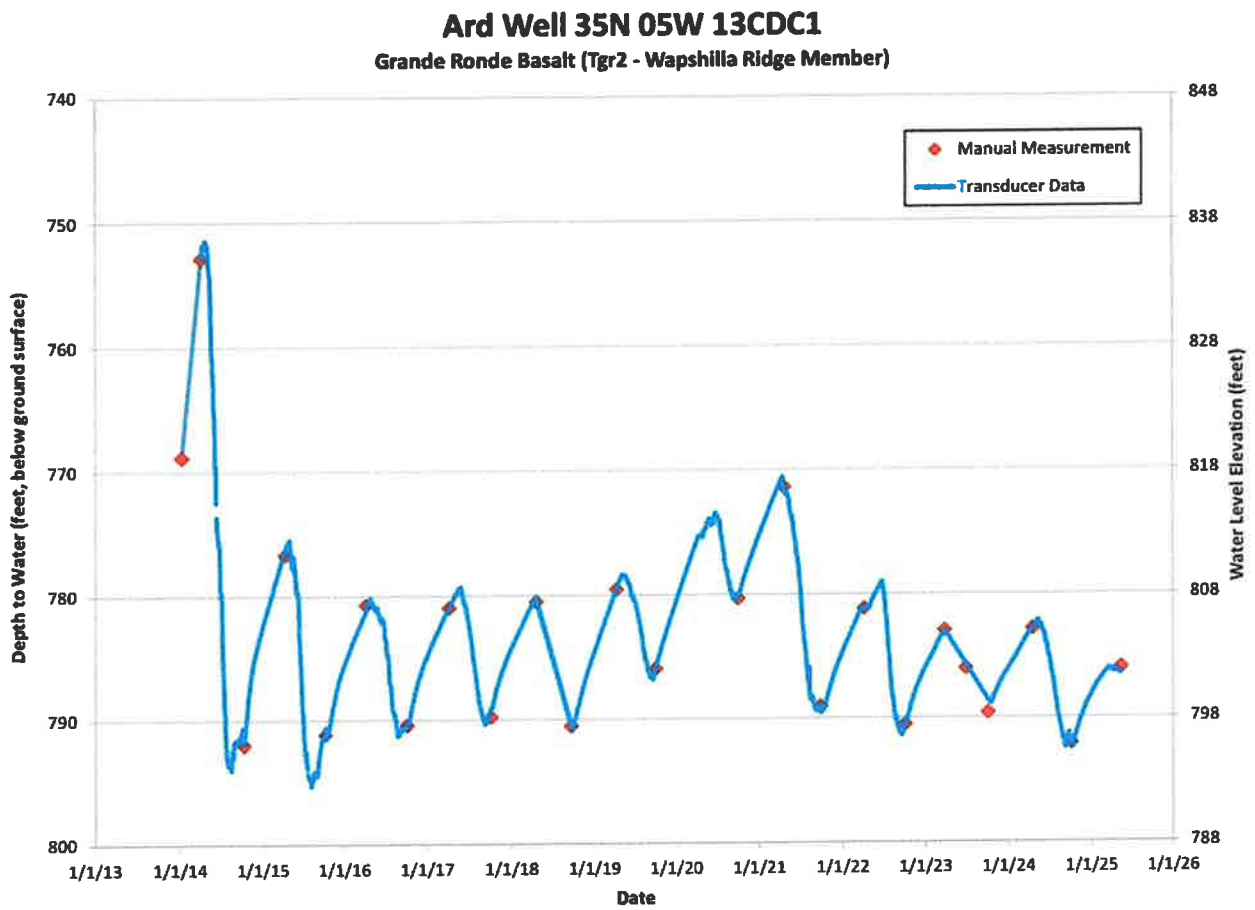
Owner BU Date 5/01/09

Operator [Signature] Date

* Signature of Principal Owner and rig operator are required

Plaintiff Exhibit #3

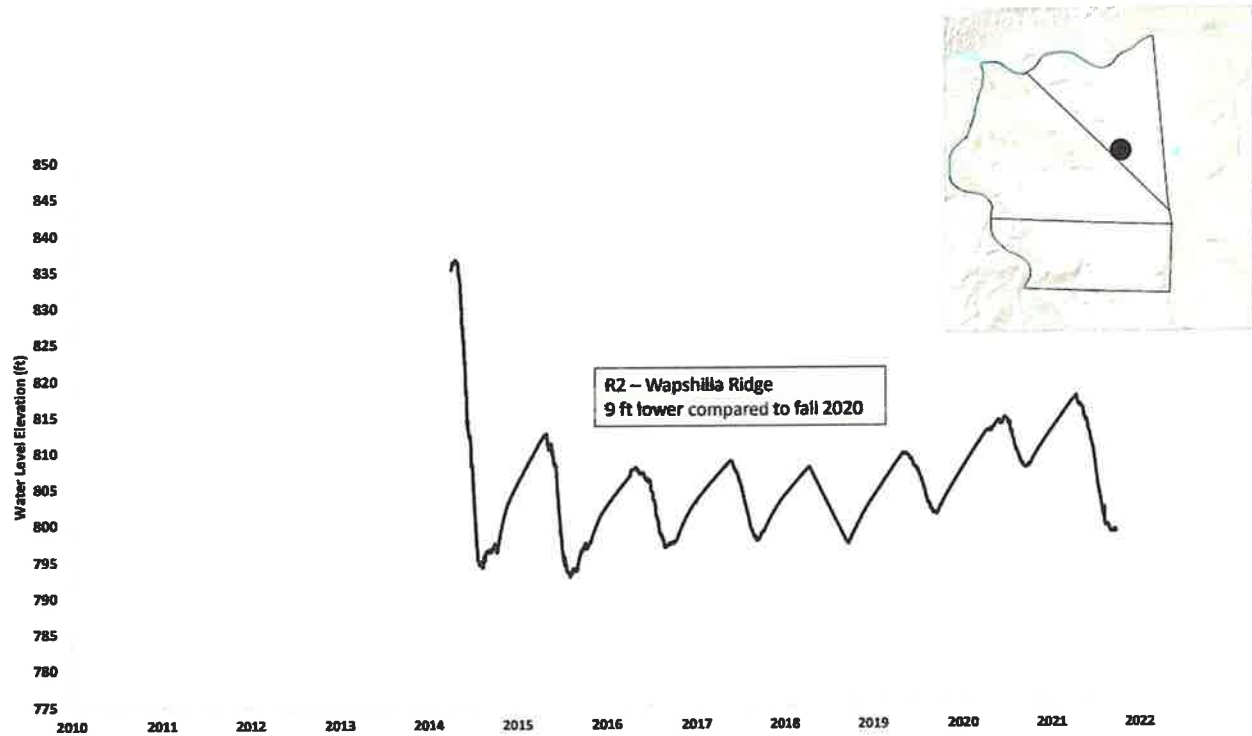
Chart made from data gathered by IDWR



Plaintiff Exhibit #4

IDWR – Lewiston Aquifer Advisory Committee Meeting Presentation – May 16, 2024

Downloaded July 14, 2025 from <https://idwr.idaho.gov/wp-content/uploads/sites/2/groundwatermgmt/Lewiston-Plateau-Designated-GWMA/2021-Fall-LPGWMA-Water-Level-Update.pdf>



Form 238-7
6/07IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

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NOV 20 2019

DEPARTMENT OF
WATER RESOURCES1. WELL TAG NO. D 0079645
Drilling Permit No. 889781Water right or injection well # 85-15255
2. OWNER: LEWISTON ORCHARDS IRRIGATION DISTRICTName _____
Address 1520 POWERS AVE
City LEWISTON State ID Zip 835013. WELL LOCATION:
Twp. 35 North ☒ or South ☐ Rge. 05 East ☐ or West ☒
Sec. 20 1/4 NE 1/4 NE 1/4Gov't Lot _____ County NEZ PERCE
Lat. 46.367441N (Deg. and Decimal minutes)
Long. 116.981872W (Deg. and Decimal minutes)Address of Well Site ACCESS ROAD APPR. 500' NORTH OF
10TH & RIFON City LEWISTON

Lot _____ Blk. _____ Sub. Name _____

4. USE:
☐ Domestic ☒ Municipal ☐ Monitor ☒ Irrigation ☐ Thermal ☐ Injection
☐ Other _____5. TYPE OF WORK:
☒ New well ☐ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other _____6. DRILL METHOD:
☒ Air Rotary ☐ Mud Rotary ☐ Cable ☒ Other flooded reverse

Seal material	From (ft)	To (ft)	Quantity (lbs or ft)	Placement method/procedure
NEAT CEMENT	0	20	31 cuft	TREMI
NEAT CEMENT	0	1260	1755 cuft	TREMI

8. CASING/LINER:	From (ft)	To (ft)	Casing/Liner Schedule	Material	Casing/Liner Threaded	Welded
32"	0	20	.50"	STEEL	☒	☐
24"	+2	1260	.50"	STEEL	☒	☐
14	1245	1800	.3125	STEEL	☒	☒

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____9. PERFORATIONS/SCREENS:
Perforations ☒ Y ☐ N Method FULFLO LOUVERED
Manufactured screen ☒ Y ☐ N Type _____
Method of installation welded beveled ends, lowered

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
1485	1485	.220	20	14	Steel	5/16"
1555	1625	.220	20	14	Steel	5/16"
1690	1740	.220	20	14	Steel	5/16"

Length of Headpipe 3.41 b/c sub Length of Tailpipe _____Packer ☐ Y ☒ N Type _____

10. FILTER PACK:	Filter Material	From (ft)	To (ft)	Quantity (lbs or ft)	Placement method
	none				

11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) _____

Describe control device _____

12. STATIC WATER LEVEL and WELL TESTS:
Depth first water encountered (ft) 682 Static water level (ft) 704.8bgl
Water temp (°F) 62.42 Bottom hole temp (°F) 78.3
Describe access port 2" coupler w/plug welded into well cap

Well test:	Test method:	Pump	Baler	Air	Flowing
Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)			
30.43	3000	2160 min	☒	☐	☐

Water quality test or comments: _____

13. LITHOLOGIC LOG and/or repairs or abandonment:				Water	
Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Y	N
38	0	7	SAND/CLAY/TOPSOIL		X
38	7	20	BLACK BASALT		X
28	20	104	BLACK BASALT		X
28	104	115	BROWN BASALT		X
28	115	194	BLACK BASALT/HARD		X
28	194	390	BLACK/GREY CLAY		X
28	390	590	BLACK BASALT/HARD		X
28	590	650	GREEN/GRAY CLAY, MIXED BASALT		X
28	650	660	CLAY/BASALT MIXTURE		X
28	660	663	GREEN/GREY CLAY		X
28	663	680	FRACTURED BASALT		X
28	680	730	BLACK BASALT/HARD	X	
28	730	790	FRACTURED BLACK BASALT/SOFT	X	
28	790	795	BLACK BASALT/SOFT	X	
28	795	805	RED AND BLACK BASALT/SOFT	X	
28	805	850	BLACK BASALT/SOFT TO MEDIUM	X	
28	850	1260	BLACK BASALT/MEDIUM TO HARD	X	
19	1260	1380	BLACK/RED BASALT MIX	X	
19	1380	1405	BLACK BASALT, SOME CLAY	X	
19	1405	1432	BLACK BASALT, HARD CHATTER	X	
19	1432	1540	BLACK BASALT, HARD	X	
19	1540	1630	BLACK, BLUE, RED BASALT MIX	X	
19	1630	1720	BLACK BASALT, SOME FRACTURES	X	
19	1720	1800	BLACK BASALT, SOME RED MIX	X	
12.25	1800	1900	BLACK BASALT, SOME FRACTURES	X	
12.25	1900	1950	BLACK BASALT	X	
12.25	1950	2000	BLACK BASALT, HARD DRILLING	X	

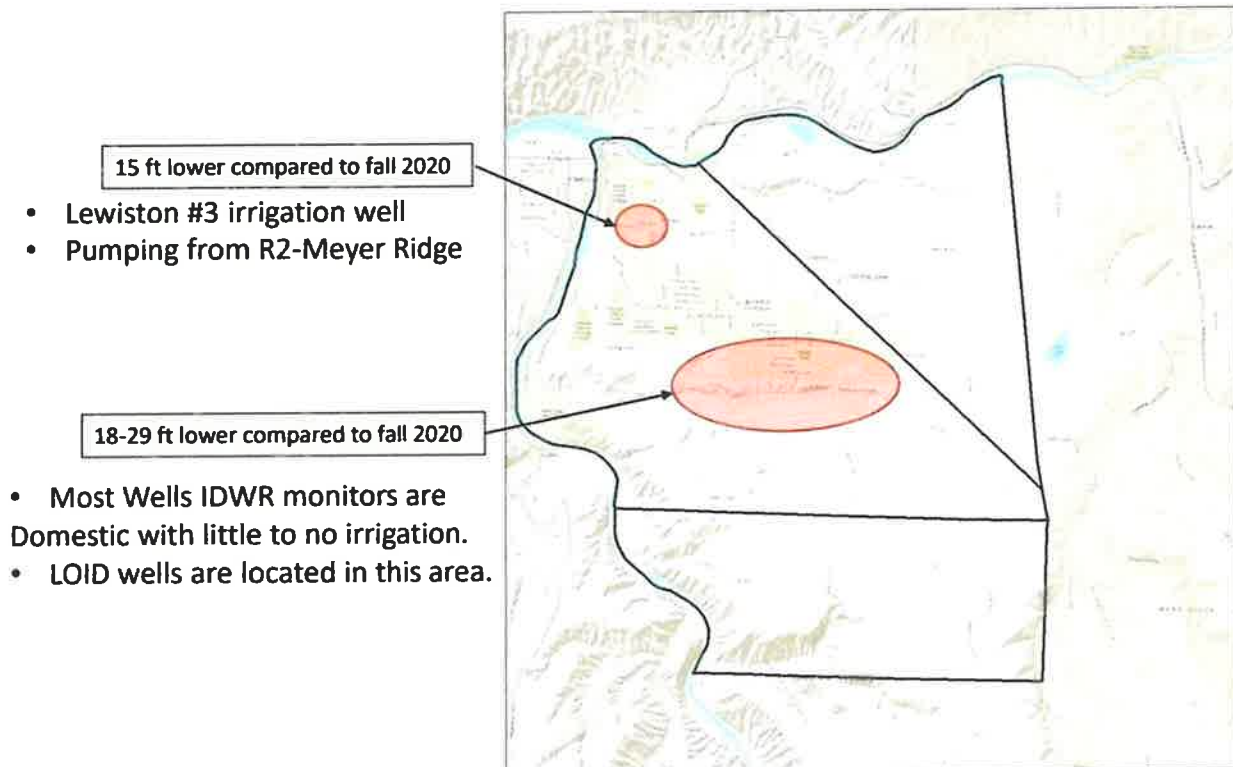
Completed Depth (Measurable): 2000'
Date Started 06/25/19 Date Completed 10/24/1914. DRILLER'S CERTIFICATION:
We certify that all minimum well construction standards were complied with at the time the rig was removed.Company Name BOART LONGYEAR Co. No. 438
Principal Driller [Signature] Date 11/12/19
Driller [Signature] Date 11/08/19
Operator I [Signature] Date 11/12/19
Operator II [Signature] Date 11/12/19

* Signature of Principal Driller and rig operator are required.

IDWR – Lewiston Aquifer Advisory Committee Meeting Presentation – May 16, 2024

Downloaded July 14, 2025 from <https://idwr.idaho.gov/wp-content/uploads/sites/2/groundwatermgmt/Lewiston-Plateau-Designated-GWMA/2021-Fall-LPGWMA-Water-Level-Update.pdf>

Grande Ronde Basalts Change

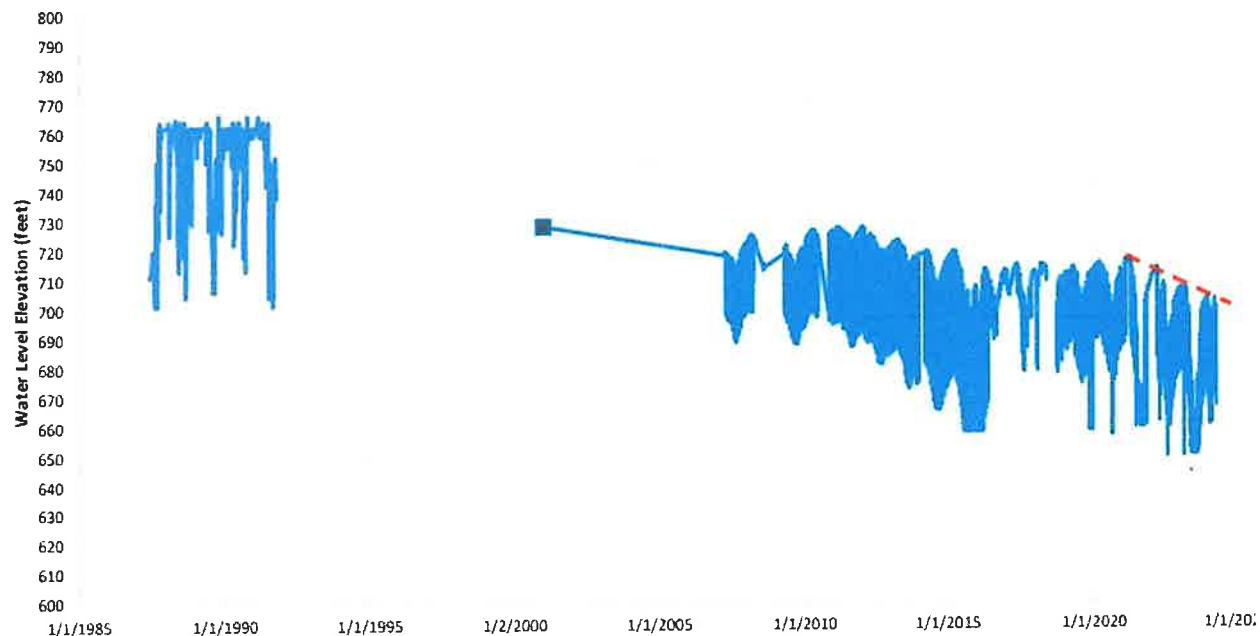


Plaintiff Exhibit #8

IDWR – Lewiston Aquifer Advisory Committee Meeting Presentation – May 16, 2024

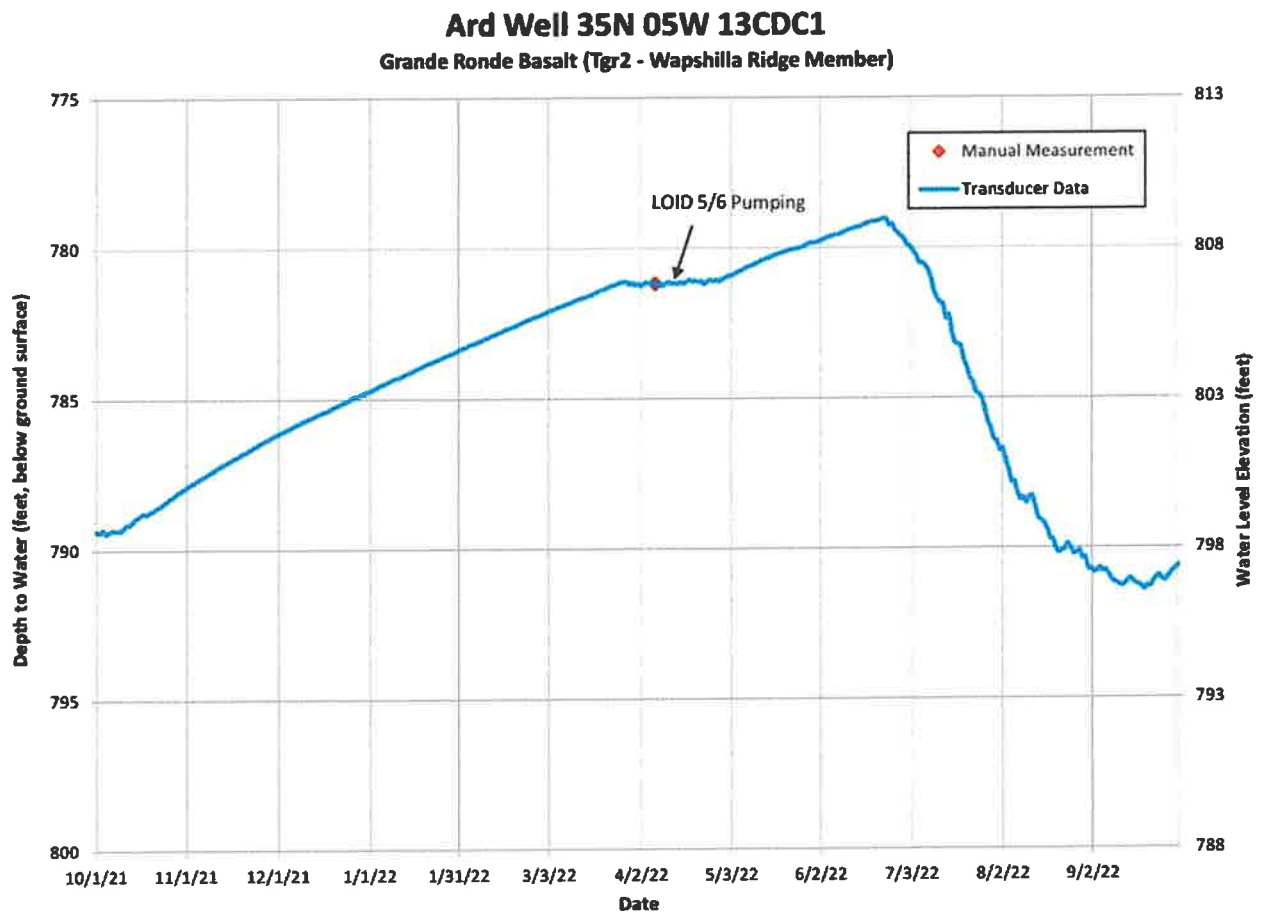
Downloaded July 14, 2025 from <https://idwr.idaho.gov/wp-content/uploads/sites/2/groundwater/mgmt/Lewiston-Plateau-Designated-GWMA/Lewiston-Aquifer-Advisory-Committee-Meeting-Presentation051624.pdf>

Grande Ronde Basalts Water Levels Lewiston Orchards Area -3.3 Feet for the Year and -15 Feet Since 2021

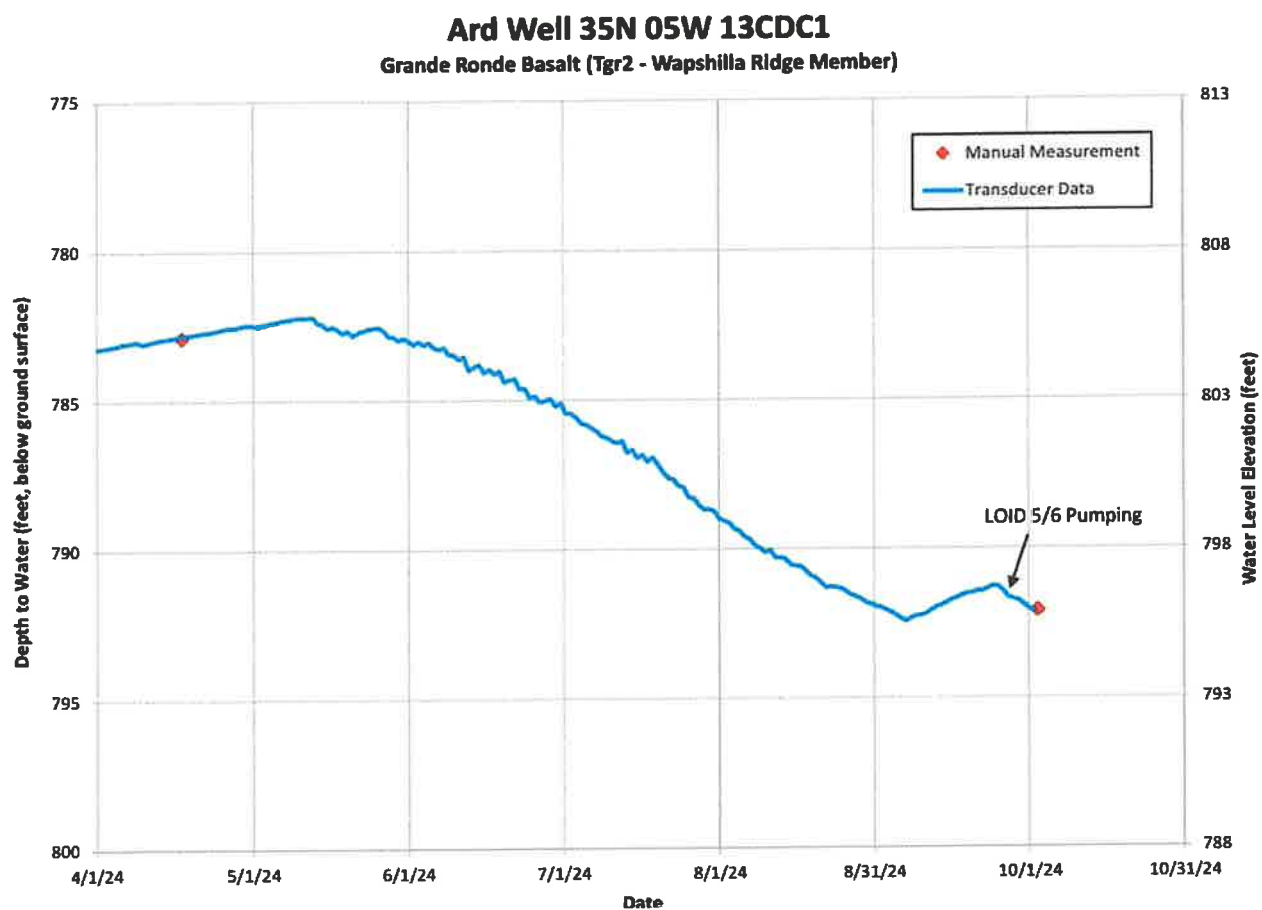


Plaintiff Exhibit #9

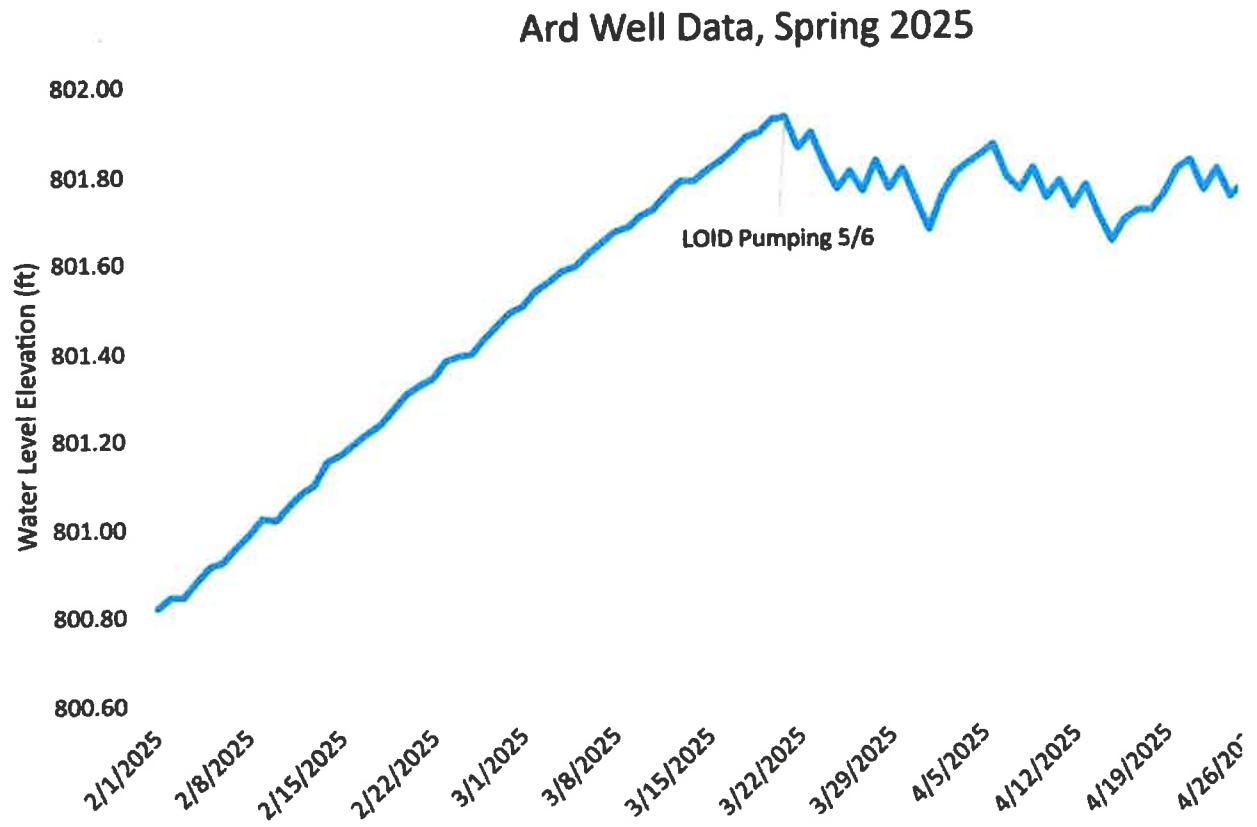
From Ard well gathered data by IDWR



Ard well data gathered by IDWR



Ard well data gathered by IDWR



Plaintiff Exhibit #13

IDWR – Lewiston Aquifer Advisory Committee Meeting Presentation – May 16, 2024

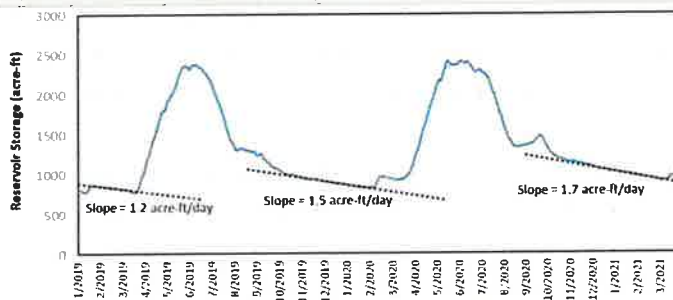
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Method 1: Pond Loss Calculator

Soil Type	Seepage Rate (ft/day)	Total Seepage Loss (acre-ft/year)
GW, GP, GM, GC, SW, SP, SM	0.2	9,900
OL, ML	0.02	990
SC	0.007	350
CL	0.003	150
MH, OH, PT, CH	0.0003	15

Reasonable Range

Method 2: Recession Limb Analysis



Mann Lake Seepage Estimates from Recession Limb:
330 acre-ft to 520 acre-ft