

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-12260
Exam Date: 08/01/2017

1. Current Owner:
MAYFIELD SPRINGS WATER CO INC C/O GREG JOHNSON
PO BOX 344 MERIDIAN ID 83680

2. Accompanied by: Tom Mehiel
Phone No:
Address:
Relationship to permit Holder: Valley Hydro, water system manager for subdivision

3. **SOURCE:**
GROUND WATER

Method of Determination: Wells observed on site

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
63-31745	Ground Water	Domestic, Fire Protection	License
63-31881	Ground Water	Irrigation	Decreed

Comments: 63-31881 is irrigation of 2.0 acres of common area, 63-31745 includes up to ½ acre irrigation per lot described on right

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
63-31745	Ground Water	Domestic, Fire Protection	License
63-31881	Ground Water	Irrigation	Decreed

Comments: _____

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER L4 (NW¼ NW¼), Sec. 3, Twp 01N, Rge 01E, B.M. ADA County
GROUND WATER L4 (NW¼ NW¼), Sec. 3, Twp 01N, Rge 01E, B.M. ADA County

Method of Determination:

PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
01N	01E	3					5.3 L3	13 L4	13	6.0									37.3

Total Acres: 37.3

Method of Determination: tax parcel spatial data, aerial imagery, digital PLSS map

3.

✓ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.

✓ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

✓ Aerial Photo Attached (required for irrigation of 10+ acres).

✓ Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0030889	Franklin	30	Submersible	Berkeley	8T60-550
D0030889	Franklin	125	Submersible	Berkeley	6T-200
D0030888	Franklin	75	Submersible	Berkeley	8T-900

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Pump Curves						

2. Measurements:

Pump curves and sprinkler ratings

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method:

-SPRINKLER CALCULATIONS**Common Area**25 rainbird 5004 sprinklers at 60 ft diameter = 9.6 gpm per sprinkler = **240 gpm total****Residential Lots**19 lots w/ irr greater than ½ acre (assume additional 2 sprinklers per lot at 3 gpm per sprinkler) = **114 gpm total****TOTAL = 354 gpm or 0.79 cfs****-PUMP CURVE ESTIMATE**

75 hp pump at 280 ft pumping level and 60 psi

Total TDH is roughly 420 ft

Pump curve shows 470 gpm = **1.04 cfs****-PERMIT 1.12 cfs****-BU STANDARD: 37.3 acres x 0.02 cfs/acre = 0.75 cfs****RECOMMEND 0.75 cfs****F. VOLUME CALCULATIONS**

1. Volume Calculations for irrigation:

 $V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 37.3 \text{ acres} \times 4.5 \text{ afa/acre} = 168 \text{ afa}$ $V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.75 \text{ cfs} \times 260 \text{ days} \times 1.9835 = 387 \text{ afa}$ $V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 168 \text{ afa}$

G. NARRATIVE/REMARKS/COMMENTS

This permit was approved in January of 2009, authorizing diversion of 1.12 cfs from groundwater to irrigate 56 acres within the Arrowrock Ranch Subdivision. The permit covers irrigation of common areas and extra irrigation in lots with more than ½ acre. Irrigation of each residential lot up to ½ acre is covered by overlapping right 63-31745. Proof of beneficial use was submitted on November 26, 2010.

The two PODs are located in Lot 2, Block 1 of the Arrowrock Ranch Sub No. 1. The first is a 12" well located at N43°27'31.9" by W116°20'01.9". A 75-hp pump set at 280 ft below ground surface supplies water for domestic and irrigation use. The other well is an 18" well located at N43°27'31.5" by W116°20'20.1". There are two pumps in the second well: a 30-hp at 280 ft BGS for irrigation and domestic and a 125-hp used for fire protection. The domestic lines from both wells join at the pump house just downstream of a flow meter.

I identified 37 acres of irrigated common area from 2011 imagery. Two of these acres are irrigated under right 63-31811, leaving 35 acres for licensing. I found 19 residential lots with more than ½ acre of irrigation (which were developed by 2011). Total there are 2.3 acres of irrigation associated with these lots not covered by 63-31745. I am recommending a total of 37.3 acres.

I was not able to directly measure the diversion rate due to the overlapping uses of the well. Nobody was able to provide information on sprinklers. However, 2015 imagery shows around 25 sprinklers operating in the common area. A second site visit confirmed that those sprinklers are Rainbird 5004 sprinklers. I assumed 2 extra sprinklers at 3 gpm running for each of the 19 lots with extra irrigation. The total rate from the sprinkler ratings is estimated at 0.79 cfs, which is less than the pump curve rating (1.04 cfs) but greater than the inch to the acre standard for 37.3 acres. I have recommended an inch to the acre.

Based on a field exam for 63-31745, the capacity of the system is 4.48 cfs for fire protection or 3.69 cfs for domestic and irrigation. These capacities are sufficient to support all overlapping uses and no combined use limit is required.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
IRRIGATION	03/01 to 11/15	0.75 CFS	168 AF

Totals: 0.75 CFS 168 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

I. AUTHENTICATION

Cody Parker - Water Resource Agent, Senior

Field Examiner's Name Cody Parker Date 12-12-19

Reviewer Porsha Kelly Date 12-12-2019

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT
Picture Attachment



Figure 1 The 12" well with one 75-hp pump used to supply water for domestic and irrigation purposes.



Figure 2 The 18" well with a 30-hp pump for domestic and irrigation uses and a 125-hp pump used for fire protection.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT
Picture Attachment



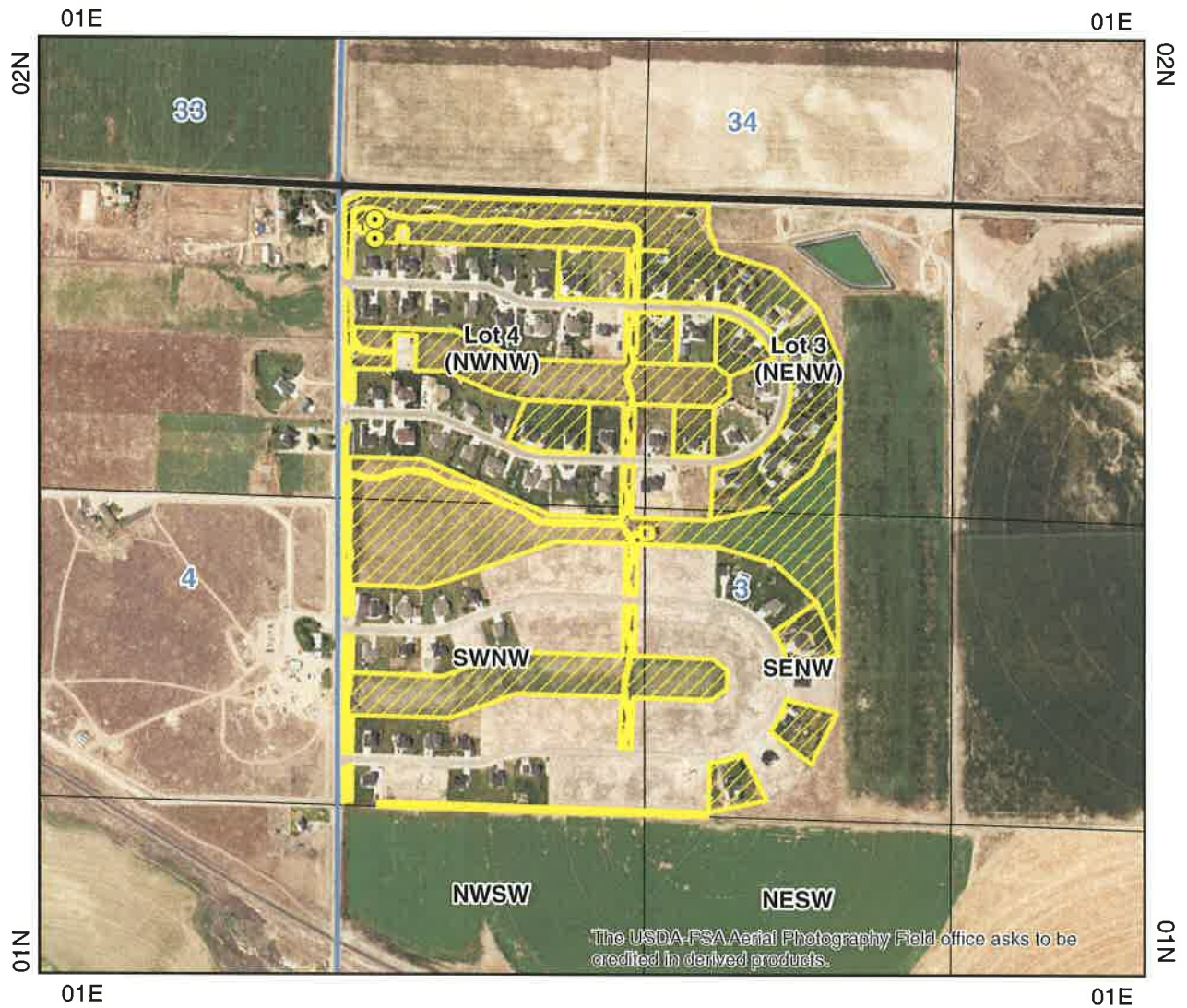
Figure 3 The system pressure gauge for the two pumps which supply water for the domestic and irrigation uses. It is my understanding from the field exam for right 63-31745 that system pressure drops to 20 psi when water is diverted from the hydrants for fighting fire.



Figure 4 5 pressure tanks used as part of the domestic/irrigation system.

State of Idaho
Department of Water Resources
Beneficial Use Field Report
63-12260

This map depicts the IRRIGATION place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



- Point of Diversion
- ▨ Place Of Use Boundary
- ▭ Townships
- ▭ PLS Sections

0 0.075 0.15 0.3 Miles





01N01E3

Municipal water not used at the POU
Overlapping irrigation

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

01N01E3

BasinSeq#	Owner	Source	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE
63-11343	ANDERS' GROUND WATER																	
63-12260	ARBOR R GROUND WATER						X						X					
63-2986	DUEROCI GROUND WATER					X									X			
63-31745	ARBOR R GROUND WATER						X											
63-31881	ARBOR R GROUND WATER						X											
63-31950	KARL WC GROUND WATER														X			
63-31951	THORNT GROUND WATER					X									X			
63-31952	CHURCH GROUND WATER														X			
63-31953	CHURCH GROUND WATER					X									X			
63-33817	ANDERS' GROUND WATER												X					
63-33819	ANDERS' GROUND WATER												X					
63-33821	ANDERS' GROUND WATER												X					
63-33823	ANDERS' GROUND WATER												X					
63-33825	ANDERS' GROUND WATER												X					
63-33827	ANDERS' GROUND WATER												X					
63-33829	ANDERS' GROUND WATER												X					
63-33831	ANDERS' INDIAN CREEK											X						
63-34286	THE MILL GROUND WATER					X									X			
63-34304	ANDERS' GROUND WATER												X					
63-34305	ANDERS' GROUND WATER												X					
63-34306	ANDERS' GROUND WATER												X					
63-34307	ANDERS' GROUND WATER												X					
63-34308	ANDERS' GROUND WATER												X					
63-34309	ANDERS' GROUND WATER												X					
63-34310	ANDERS' GROUND WATER												X					
63-34311	ANDERS' GROUND WATER												X					
63-34312	ANDERS' INDIAN CREEK											X						

 POD Overlap

Office Use Only
Well ID No. 380531
Inspected by _____
Twp _____ Rge _____ Sec _____
_____ 1/4 _____ 1/4 _____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 00030889
 DRILLING PERMIT NO. 880740-809799
 Water Right or Injection Well No. 63-31745

2. OWNER:

Name Arbor Ridge
Address PO Box 344
City Meridian State ID Zip 83680

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub, or Directions to well.

Twp. 1 North ☒ or South ☐
Rge. 1 East ☒ or West ☐
Sec. 3 1/4 N/W 1/4 N/W 1/4
Gov't Lot _____ to acres Ada 100 acres
County

Lat: : : Long: : :
Address of Well Site SE corner of Cloverdale & Mora
Kuna Rds City Kuna
(Circle 41 for a map of the location of the well site)

Li. _____ Blk. _____ Sub. Name Arrowrock Ranch Sub
well #2

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other **fire protection**

5. TYPE OF WORK check all that apply

☒ New Well ☐ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD:

☐ Air Rotary ☒ Cable ☐ Mud Rotary ☐ Other reverse rot

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
hentonite chips	0	180	24000#	poured
hentonite grout	180	320	4000#	pumped
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	Welded	Threaded
18"	#4	350	375	steel	☐	☐	☐	☐
10"	329	350	365	steel	☒	☐	☒	☐
					☐	☒	☒	☐

Length of Headpipe 21' Length of Tailpipe _____
Packer ☒ Y ☐ N Type slip pkr 5'6" long, 12" pipe

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method

Screen Type & Method of Installation Johnson, 4/1/1968

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
350	431	40		10	stnls	☐	☒ YX
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
#6-9 sand			4500#	poured

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

_____ ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices:

12. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments:

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

[illegible]

Completed Depth 431 (Measurable)
Date: Started 12/21/04 Completed 5/5/05

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 Stevens & Sons Firm No. 153

Principal Driller [Signature] Date 5/10/05
and _____

Driller or Operator If _____ Date _____

Operator I _____ Date _____

Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II

FORWARD WHITE COPY TO WATER RESOURCES

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only		
Well ID No.	380529	
Inspected by		
Twp	Rge	Sec
1/4	1/4	1/4
Lat:	:	Long:

1. WELL TAG NO. D 00030888
DRILLING PERMIT NO. 880739-809797
Water Right or Injection Well No. 63-31745

2. OWNER:
Name Arbor Ridge
Address PO Box 344
City Meridian State ID Zip 83680

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 1 North ☒ or South ☐
Rge. 1 East ☒ or West ☐
Sec. 3 1/4 N 1/4 1/4 N 1/4 1/4
Gov't Lot 10 acres County Ada

Lat: : : Long: : :
Address of Well Site SE corner of Cloverdale & Mora

Kuna intersection City
(Give at least name of road - Distance to Road or Landmark)
Li. Blk. Sub. Name ArrowRock Sub

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 chips	0	180	17,500#	poured
bentonite grout	180	335	3,000#	pumped
Was drive shoe seal tested?	☐ Y ☒ N	How?		

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
12"	+2	360	375	steel	☒	☐	☒	☐
8"	338	360	322	steel	☐	☒	☒	☐

Length of Headpipe 22 Length of Tailpipe 0
Packer ☒ Y ☐ N Type figure K 12" belled to 8"

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method

Screen Type & Method of Installation Johnson stainless v wire

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
360	400	40		8"		☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
6-9 sand	335	400	8,500#	poured

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

185 ft. below ground Artesian pressure lb.
Depth flow encountered ft. Describe access port or control devices:

12. WELL TESTS:

Yield gal./min.	Drawdown	Pumping Level	Time
350	14.33	200.67	30 min
800	38.88	225.75	1 hr
1,000	52.79	239.1	6 1/2 hr

Water Temp. Bottom hole temp.

Water Quality test or comments:

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water
19	0	4	clay topsoil	Y
	4	19	basalt	X
	19	50	broken basalt & clay	X
	50	65	basalt	X
	65	100	red & black broken basalt	X
	100	185	hard basalt	X
	185	205	broken basalt	X
	205	215	basalt	X
	215	235	cemented gravel	X
	235	250	brown clay	X
	250	280	gravel & sand	X
	280	315	coarse sand, small gravel	X
	315	337	gravel & sand	X
	337	400	coarse sand & gravel	X

RECEIVED

DEC 01 2005

WATER RESOURCES
WESTERN REGION

Completed Depth 400' (Measurable)

Date: Started 9/10/05 Completed 11/10/05

14. DRILLER'S CERTIFICATION

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

Company Name Stevens & Sons Firm No. 153

Principal Driller Roy Stevens Date 11/27/05

Driller or Operator II Nick Stevens Date

Operator I Date

Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

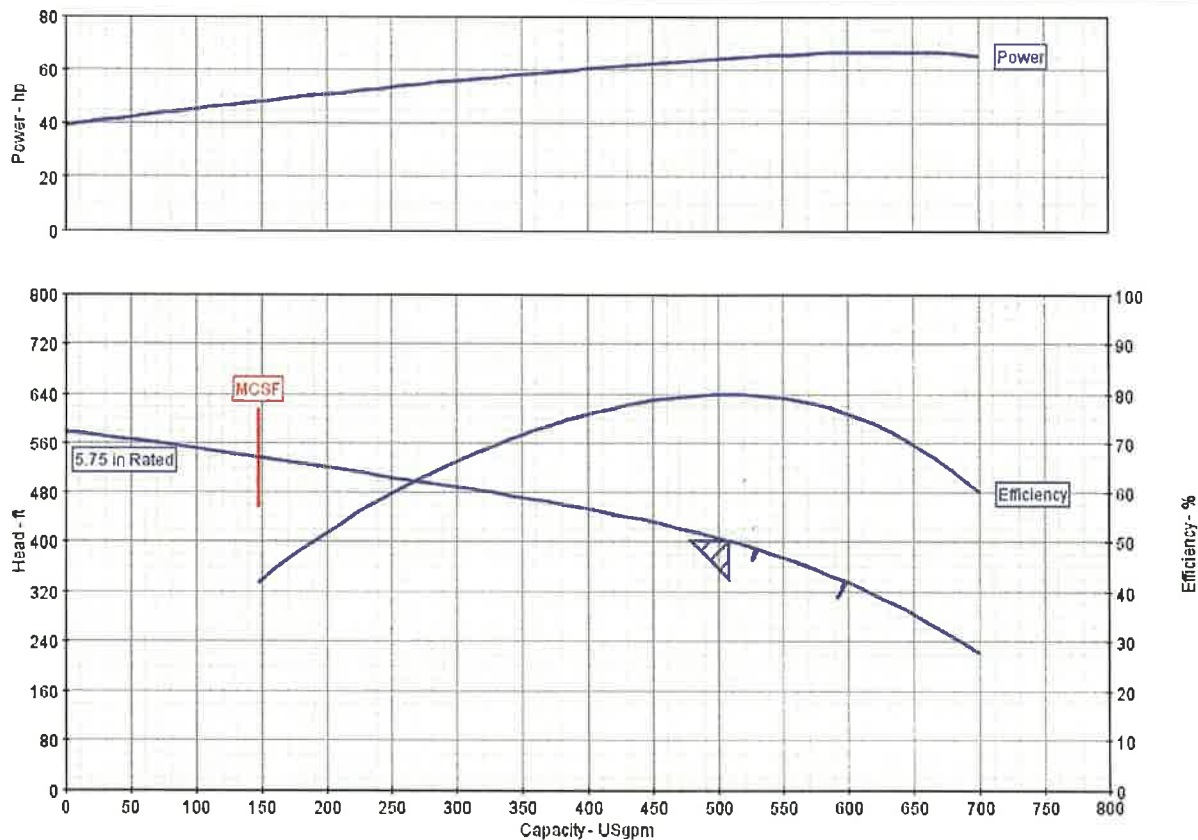


75 HP

Berkeley Electronic Catalog

Pump Performance Datasheet

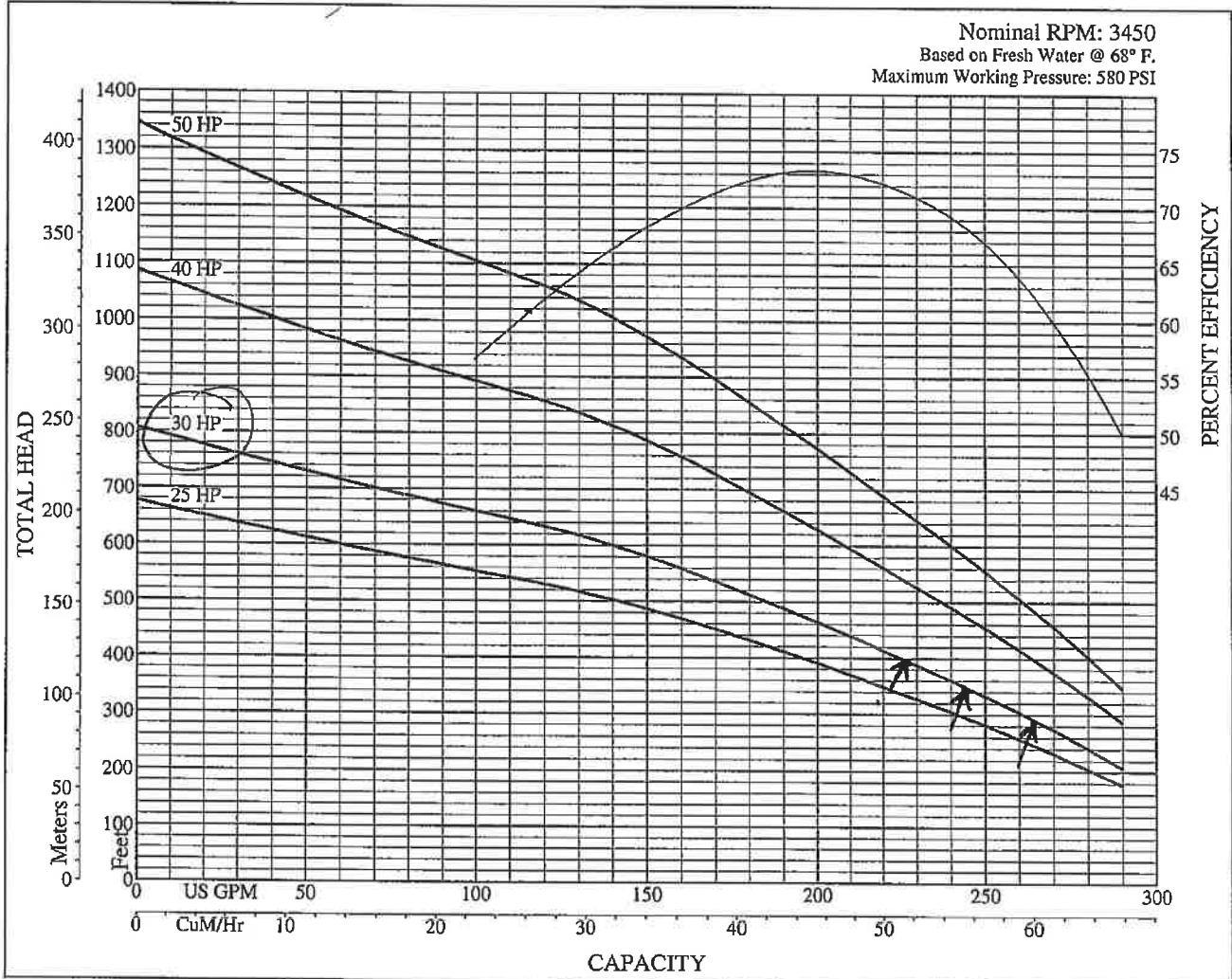
Customer	:		Quote number	:	
Customer reference	:		Pump size	:	8T60-550
Item number	:		Stages	:	5
Service	:		Based on curve number	:	8T60-550(5@5.75x5.0897)
Quantity of pumps	:	1	Date last saved	:	14 Feb 2006
Operating Conditions			Liquid		
Flow, rated	:	508.5 USgpm	Liquid type	:	-Water
Head, rated (requested)	:	400.3 ft	Additional liquid description	:	
Head, rated (actual)	:	400.3 ft	Solids diameter, max	:	0.00 in
Suction pressure, rated / max	:	0.00 / 0.00 psi.g	Temperature, max	:	68.00 deg F
NPSH available, rated	:	Ample	Fluid density, rated / max	:	0.998 / 0.998 SG
Frequency	:	60 Hz	Viscosity, rated	:	1.00 cP
Performance			Material		
Pump speed, rated	:	3,450 rpm	Material requested	:	Not specified
Impeller diameter, rated	:	5.75 in	Material selected	:	Not specified
Impeller diameter, maximum	:	5.75 in	Pressure Data		
Impeller diameter, minimum	:	5.75 in	Maximum working pressure	:	250.4 psi.g
Efficiency	:	79.84 %	Working pressure limit	:	490.0 psi.g
NPSH required / margin required	:	N/A / 0.00	Suction pressure limit	:	N/A
Specific speed / Suction specific speed	:	N/A / 0 US units	Hydrostatic test pressure	:	N/A
MCSF	:	147.0 USgpm	Driver & Power Data		
Head, maximum, rated diameter	:	578.6 ft	Driver sizing specification	:	Rated power
Head rise to shutoff	:	N/A %	Margin over specification	:	0.00 %
Flow, best eff. point (BEP)	:	508.5 USgpm	Service factor	:	1.00 (used)
Flow ratio (rated / BEP)	:	100.00 %	Power, hydraulic	:	51.32 hp
Diameter ratio (rated / max)	:	100.00 %	Power, rated	:	64.27 hp
Head ratio (rated dia / max dia)	:	100.00 %	Power, maximum, rated diameter	:	66.72 hp
Viscous coefficients (CQ / CH / CE)	:	1.00 / 1.00 / 1.00	Minimum recommended motor rating	:	60.00 hp / 44.74 kW (Fixed)
Selection status	:	Acceptable			





SUBMERSIBLE TURBINE

6T-200



OUTLINE DIMENSIONS / WEIGHTS

HP	stages	Motor size	P length	M* length	MD* dia.	Mtr. wt.	Pump wt.
25	10	6"	63.98	33.13	5.38	148	233
30	12	6"	73.98	35.69	5.38	162	272
40	16	6"	93.98	40.81	5.38	195	350
50	20	6"	113.98	57.83	5.38	310	429

Note: dimensions = inches; weight = U.S. lbs.

M* Maximum length (Franklin Electric Motor)

MD* Motor diameter (Franklin Electric Motor)

SPECIFICATIONS

Minimum Well I.D.	6.0 Inches
Minimum Submergence @ BEP (above inlet)	10.0 Feet
Capacity Range	95 - 290 GPM
Discharge	3" F NPT
See manufacturer's data for motor cooling requirements	

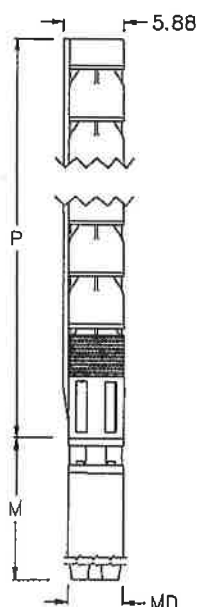
SUPERSEDES

All Previous

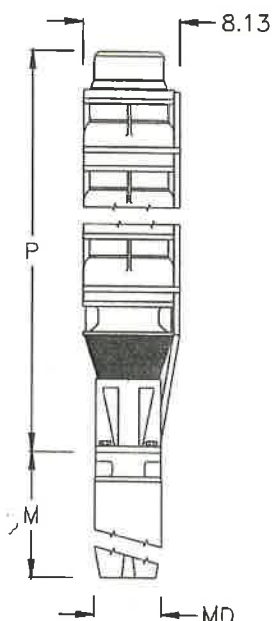
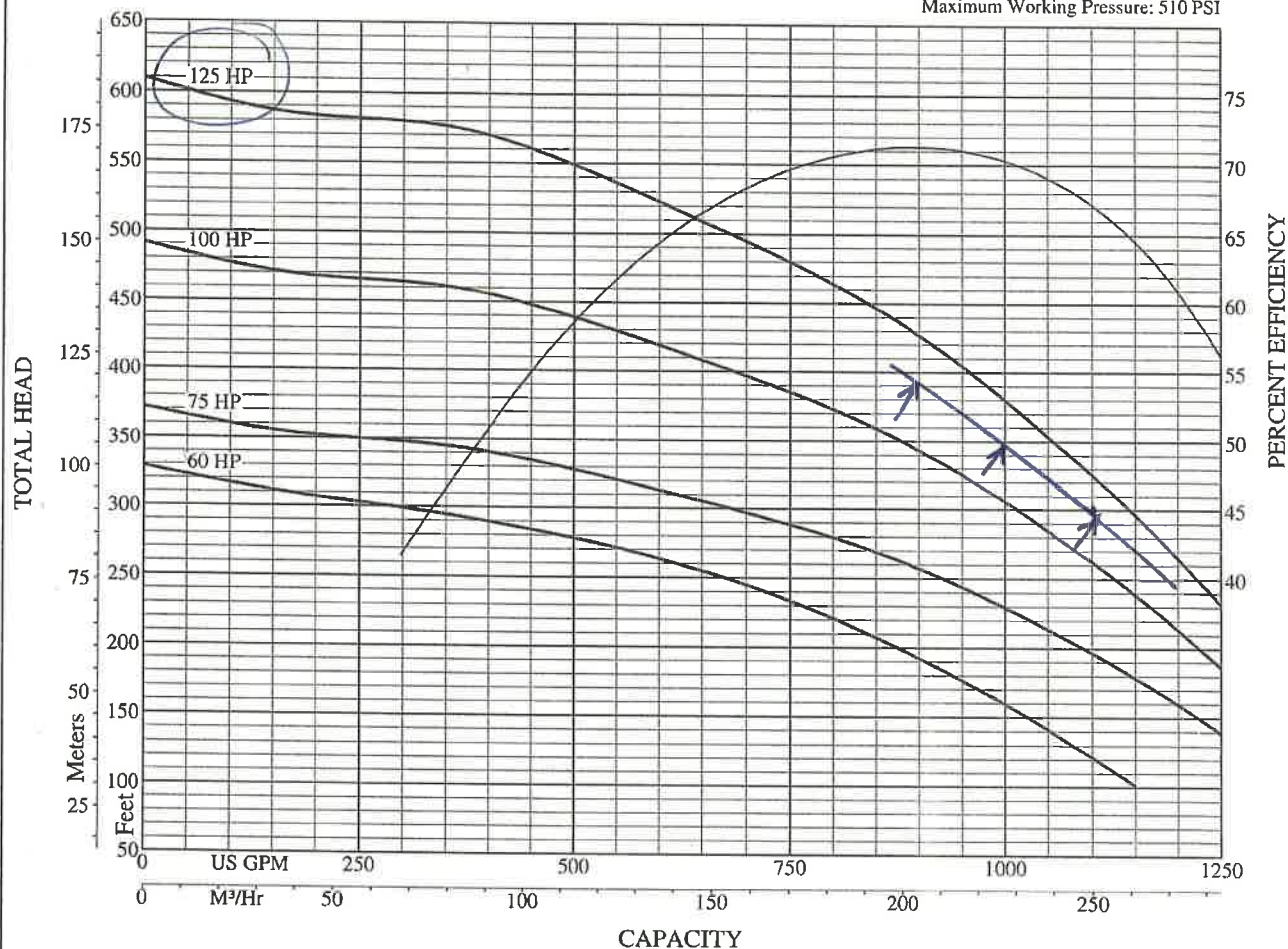
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Section **ST**

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Nominal RPM: 3450
Based on Fresh Water @ 68° F.
Maximum Working Pressure: 510 PSI



OUTLINE DIMENSIONS / WEIGHTS

HP	stages	Motor size	P length	M* length	MD* dia.	Mtr. wt.	Pump wt.
60	3	6"	43.00	61.30	5.44	335	145
75	3	8"	43.75	54.90	7.50	433	148
100	4	8"	50.50	58.90	7.50	478	177
125	5	8"	57.25	68.80	7.70	709	206

Note: dimensions = inches; weight = U.S. lbs.

M* Maximum length (Franklin Electric Motor)

MD* Motor diameter (Franklin Electric Motor)

SPECIFICATIONS

Minimum Well I.D.	10.0 Inches
Minimum Submergence @ BEP (above inlet)	15.0 Feet
Capacity Range	227 - 1300 GPM
Discharge	6" F NPT
See manufacturer's data for motor cooling requirements	

SUPERSEDES

All Previous

Date 04/15/98

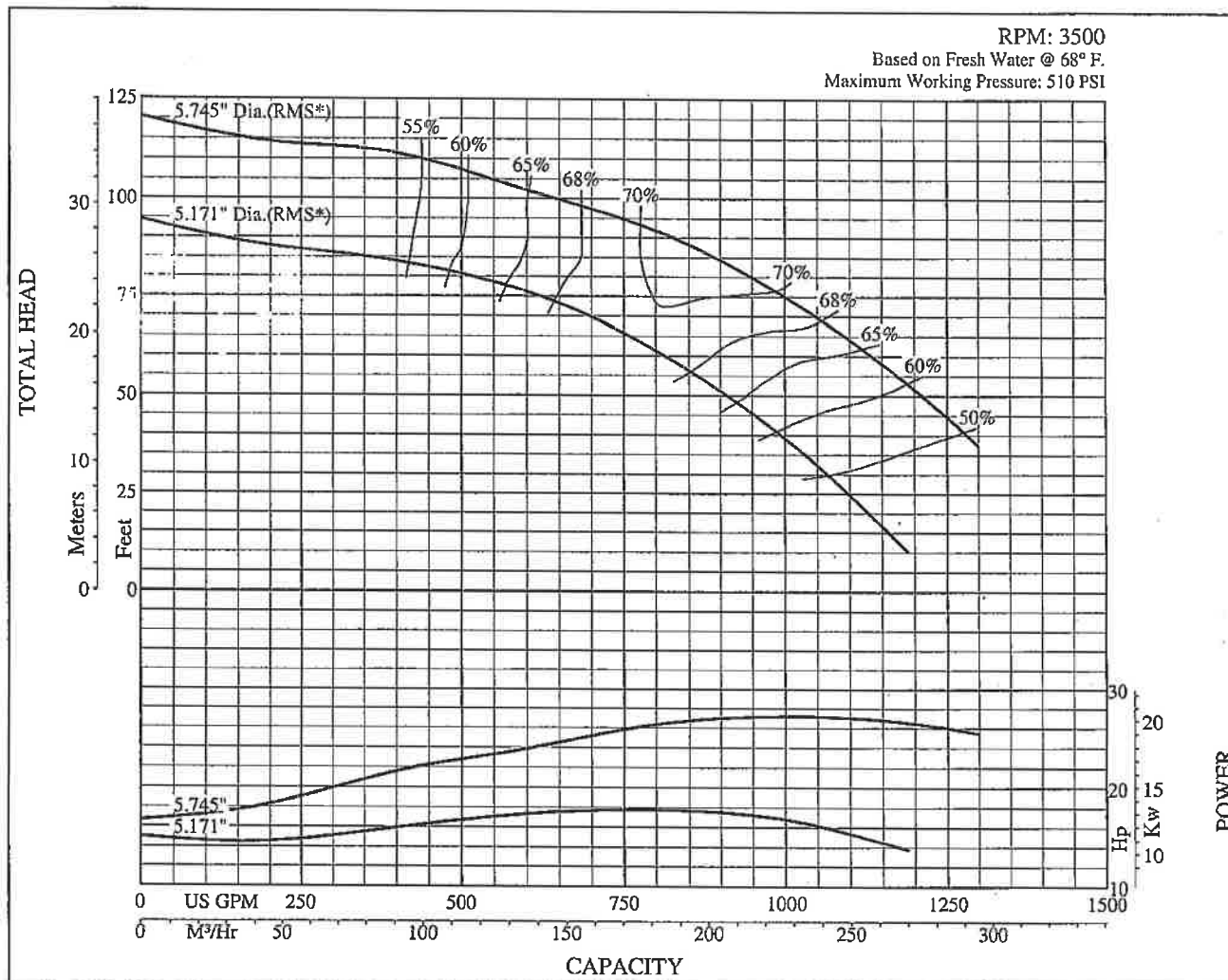
Section **ST**

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SUBMERSIBLE TURBINE SINGLE STAGE PERFORMANCE

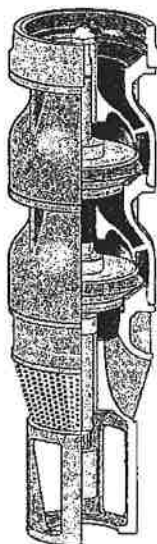
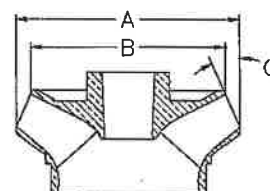
8T-900



IMPELLER DIMENSIONS

RMS* Diameter	A Diameter	B Diameter	C Angle
5.745	6.149	5.310	25°
5.171	5.635	4.661	25°

* Root-Mean-Square



MATERIALS OF CONSTRUCTION

Part Name	Common Material Name	Material Spec Number
Discharge Adapter	Cast Iron	ASTM A48 Class 30
Top Bowl	Cast Iron	ASTM A48 Class 30
Intermediate Bowl	Cast Iron	ASTM A48 Class 30
Bearings, Top and Suction Case	Bronze	ASTM B144-3B (SAE 660)
Impeller	Silicon Bronze	ASTM B584 UNS C87500
Pump Shaft	Stainless Steel	AISI 416
Impeller Collets	Steel	1226
Suction Bracket	Cast Iron	ASTM A48 Class 30
Bowl Bearing	Rubber	Neoprene
Sand Cap	Bronze	ASTM B144-3B (SAE 660)
Strainer	Stainless Steel	AISI 302 UNS S30200
Cable Guard	Stainless Steel	AISI 302 UNS S30200
Shaft Coupling	Stainless Steel	AISI 416 UNS S41600

SUPERSEDES

New

Date 04/15/98

Section **ST**

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Note: Efficiency based on average staging



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

March 7, 2018

MAYFIELD SPRINGS WATER CO INC
C/O GREG JOHNSON
PO BOX 344
MERIDIAN ID 83680

RE: Water right permit 63-12260

Dear permit holders,

I am writing you today in regard to the water right permit referenced above which authorizes the diversion of groundwater for irrigation of common areas in the Arrowrock Ranch Subdivisions. I met with the water system operator Tom Mehiel on August 1, 2017 to complete the Beneficial Use Field Examination for this permit. The field exam is the final step required for the Department to issue a license.

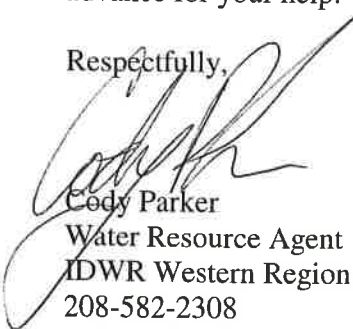
One of the purposes of the field exam was to quantify the rate that you divert water to irrigate the common areas. Because the two wells serve multiple purposes (domestic, fire protection, and irrigation of residential lots and common areas) I could not isolate the diversion rate required for irrigation of the common areas at the time of the exam. It is possible to estimate the diversion rate based on sprinkler and zone information, but Mr. Mehiel was not familiar with how the sprinkler irrigation system was set up. To complete the field exam and move forward with licensing I will need you to provide the following information:

Common Area Irrigation

- Number of irrigation zones
- Sprinklers per zone
- Sprinkler type or flow rate in gallons per minute
- Rotation schedule for irrigation zones

I cannot finish the field examination and recommend a license until I receive the information above. I look forward to your reply within thirty (30) days of the date of this letter. If you do not make a timely reply, I will assume that you have no further interest in pursuing a water right license, and I will take action to void the permit. Please let me know if you have any questions regarding the content of this letter. Thank you in advance for your help.

Respectfully,


Cody Parker
Water Resource Agent
IDWR Western Region
208-582-2308
cody.parker@idwr.idaho.gov

No Response



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

August 2, 2017

ARROWROCK RANCH ASSN INC
C/O MARK ABERCROMBIE
11980 DYNAMITE LN
KUNA ID 83634

RE: WATER RIGHT PERMIT NO. 63-12260

Dear Arrowrock Ranch,

I am writing today in regard to the water right permit referenced above which authorizes the diversion of 1.12 cfs for irrigation of up to 56 acres of common area in the Arrowrock Ranch Subdivisions 1 and 2. The permit is held by Mayfield Springs Water Co. Inc. On August 1, 2017 I visited the site to confirm that the beneficial use authorized by the permit has been developed. At that time I was able to determine that the common area is indeed being irrigated, but I was unable to quantify the rate of diversion necessary to irrigate the area and therefore could not recommend a water right license. I was told you may be able to provide the information necessary to quantify such a diversion rate. To complete the field examination for the water right I need the following:

- First, I need to determine the maximum diversion rate required to irrigate the common areas. Do you have any information concerning how these common areas are irrigated? I am looking for number of watering zones, number of sprinklers per zone, watering schedules, sprinkler head types and/or gpm per sprinkler head.
- Second, is there a schedule for watering individual lawns? For instance, in some subdivisions homes with even numbered addresses water one day and homes with odd numbered addresses water the next. Is there any such system in place here?

Thank you in advance for any help you can provide. I look forward to your reply. Please contact me with any information by mail at the address listed in the letterhead above, by email at cody.parker@idwr.idaho.gov, or by phone at 208-334-2190. Thank you for your time.

Respectfully,

Cody Parker
Water Resource Agent
IDWR Western Region
cody.parker@idwr.idaho.gov
208-334-2190



State of Idaho

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C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

June 28, 2017

MAYFIELD SPRINGS WATER CO INC
C/O GREG JOHNSON
PO BOX 344
MERIDIAN ID 83680

Re: Notice of Intent to Void Permit to Appropriate Water No. 63-12260

Dear Permit Holder,

On 5/4/2017 the Idaho Department of Water Resources (IDWR) sent you a letter requesting to schedule a field exam for the water right permit listed above which authorizes the diversion of 1.12 cfs from groundwater for Irrigation purposes. The letter specified that you were to contact the Department to schedule the field exam for your permit within thirty (30) days of the date of the letter or your permit would become void. The thirty-day deadline passed on 6/3/2017. This is the second and final attempt to contact you concerning this water right permit.

To schedule the field exam for your water right permit, please contact me by phone at 208-334-2190 or email me at cody.parker@idwr.idaho.gov. The field exam is the final step towards developing a water right license and is absolutely necessary for developing a water right. If you have not developed the beneficial use authorized by your water right permit, or you do not wish to pursue a water right license, please complete and return the enclosed Relinquishment of Permit form. If you do not own the property associated with this water right permit, you may convey your interest to the new owner by filling out and submitting the enclosed Assignment of Permit form. **I look forward to your response within thirty (30) days of the date of this letter. If I do not receive a response within this time, I will assume that you do not have any further interest in pursuing a water right license, and I will take action to void the permit.** Refunds are not available for voided applications. Thank you for your time and for your attention to these matters.

Respectfully,

Cody Parker
Water Resource Agent
IDWR Western Region
Phone: (208) 334-2190
Email: cody.parker@idwr.idaho.gov

Enclosure: Proof Report, Relinquishment of Permit, Assignment of Permit



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

May 4, 2017

MAYFIELD SPRINGS WATER CO INC
C/O GREG JOHNSON
PO BOX 344
MERIDIAN ID 83680

RE: Scheduling Field Exam for Water Right Permit No. 63-12260

Dear Permit Holder:

We are planning to conduct water right examinations in the vicinity of the above-referenced permit **this season**. An examination is needed to verify the water use in order to issue a water right license.

The above-referenced permit authorizes **2.0 cfs** of **GROUND WATER** for **Irrigation** use. **If you have developed a beneficial use and still own the place of use property, please contact me at your earliest convenience to schedule an examination.**

If you did not develop a beneficial use of water under the permit during the beneficial use period, a license cannot be issued and the permit should be relinquished. If that use was developed, but have ceased using the water and you currently carry no interest in it, please relinquish the permit by submitting the enclosed Relinquishment of Permit form (no fee required).

If you did develop a beneficial use of water under the permit, but you no longer own the place of use property identified in the permit, please submit the enclosed Assignment of Permit form with the applicable \$25 processing fee.

Please contact me within the next thirty (30) days at (208) 334-2190 to either schedule an examination or submit a relinquishment or assignment form. If you no longer own the place of use property and/or do not respond to this letter, the department will work with the current property owner to issue a license or void the permit.

Sincerely,

Cody Parker
Water Resource Agent

Enclosures: Relinquishment of Permit form
Assignment of Permit form
Water Permit Report and Map