

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 98-7903

Exam Date: 9/20/2011

1. Current Owner: CURLEY CREEK WATER ASSN
PO BOX 6
MOYIE SPRINGS ID 83845
(208)267-7740
2. Accompanied by: RAY CHAFFEE
Phone No: 208-267-7740
Address: PO BOX 6 MOYIE SPRINGS ID 83845
Relationship to Permit Holder: SEC/TREAS/ OPERATOR

3. SOURCE TRIBUTARY
GROUNDWATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 98-7693, 98-7217, 98-7019
2. Other water rights with the same point of diversion: 98-7693

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUNDWATER	NE1/4NW1/4	Sec. 22, Twp 62N, Rge 03E, B.M.
BOUNDARY County		
GROUNDWATER	SE1/4SW1/4	Sec. 21, Twp 62N, Rge 03E, B.M.
BOUNDARY County		

Method of Determination:

2.

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[illegible]

Method of Determination:

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.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
D0022417		5hp		Franklin	282113910
98-93-N-0021		5hp		Franklin	2821138110

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

2. Measurements: OLD WELL 98-93-N-0021 COMPLETED ON 01/18/94 AND THIS WELL IS LICENSE AT 0.08 CFS THE FLOW METERED AT 36 GPM. THE NEW WELL D0022417 COMPLETED ON 10/01/2002 FLOW METERED AT 0.12 CFS, 54 GPM.

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

PUMP EQUATIONS WATER RIGHT No.				WELL#1 98-7903	D0022417	
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	5	253.4693878	0.7	80	75
Q =	0.122 cfs 54.6 gpm					

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses: ~~USE~~ VOLUME ON THIS MUNICIPAL USE. *See Questionnaire***G. NARRATIVE/REMARKS/COMMENTS**Have conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS**

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>
MUNICIPAL	01/01 to 12/31	0.200 CFS
<u>Totals:</u>		0.200 CFS

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 ☐ Other
I. AUTHENTICATIONField Examiner's Name *Eric [Signature]*Date 9-27-2011Reviewer *[Signature]*Date 9-27-2011

Form 238-7
11/97 JGEIDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only			
Inspected by			
Twp	Rge	Sec	
1/4	1/4	1/4	
Lat	Long		

1. WELL TAG NO. D 0022417

DRILLING PERMIT NO. 787295

Other IDWR No. 358351

2. OWNER:

Name CURLY CREEK WATER ASSNAddress HCR 62 BOX 274City MOYIE SPRINGS State ID Zip 83845

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

	Twp. <u>62N</u>	North ☒ or South ☐
	Rge. <u>03</u>	East ☒ or West ☐
	Sec. <u>21</u>	NE 1/4 SE 1/4 SW 1/4
	Gov't Lot	County <u>BOUNDARY</u>
Lat		Long
Address of Well Site <u>CO RD72D</u>		

(Name of Road or Name of Road - Distance to Road or Landmark)
City MOYIE SPRINGS ID

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/Filter Pack		AMOUNT		METHOD
Material	From	To	Sacks or Pounds	
BENTONITE -	0			TEMP CASED
GRANULAR		20	800#	

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 80Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	+2	79	280	STEEL	☒	☐	☒	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS:

☐ Perforations

Method

☐ Screens

Screen Type

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

32 _____ ft. below ground Artesian pressure _____ lb.

Depth flow encountered 80 _____ ft. Describe access port or controldevice: WELLED CAP

11. WELL TESTS:

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
60	100	100	6 HRS

Water Temp. COLD Bottom hole temp. COLDWater Quality test or comments: GOODDepth first Water Encounter 80

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
11	0	1 TOP SOIL		
11	1	20 BROWN TAN SILT / DRY		
6	20	28 BROWN TAN SILT / DRY		
6	28	40 GREY - BLUE SILT / WET		
8	40	70 BLUE - GREY SILT / WET		
6	70	80 SOLF BROKEN SHALE / GRAY	X	
6	80	100 GREY SHALE / SOFT MED		
6	100	124 GREY SHALE / MED HARD		

WATER DID CLOUD UP AT FIRST BUT BY THE TIME THE DEVELOPING WAS DONE THERE WAS VERY LITTLE.

NOTE THE WATER DID NOT COME IN UNTIL THE NEXT DAY AT START UP!

Completed Depth 120 (Measurable)Date: Started 09/30/2002 Completed 10/01/2002

13. DRILLER'S CERTIFICATION:

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

Company Name MINDEN WATER WELLS INC. Firm No. 320

Firm Official

Date 10/03/2002

and

Driller or Operator

Date 10/03/2002

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

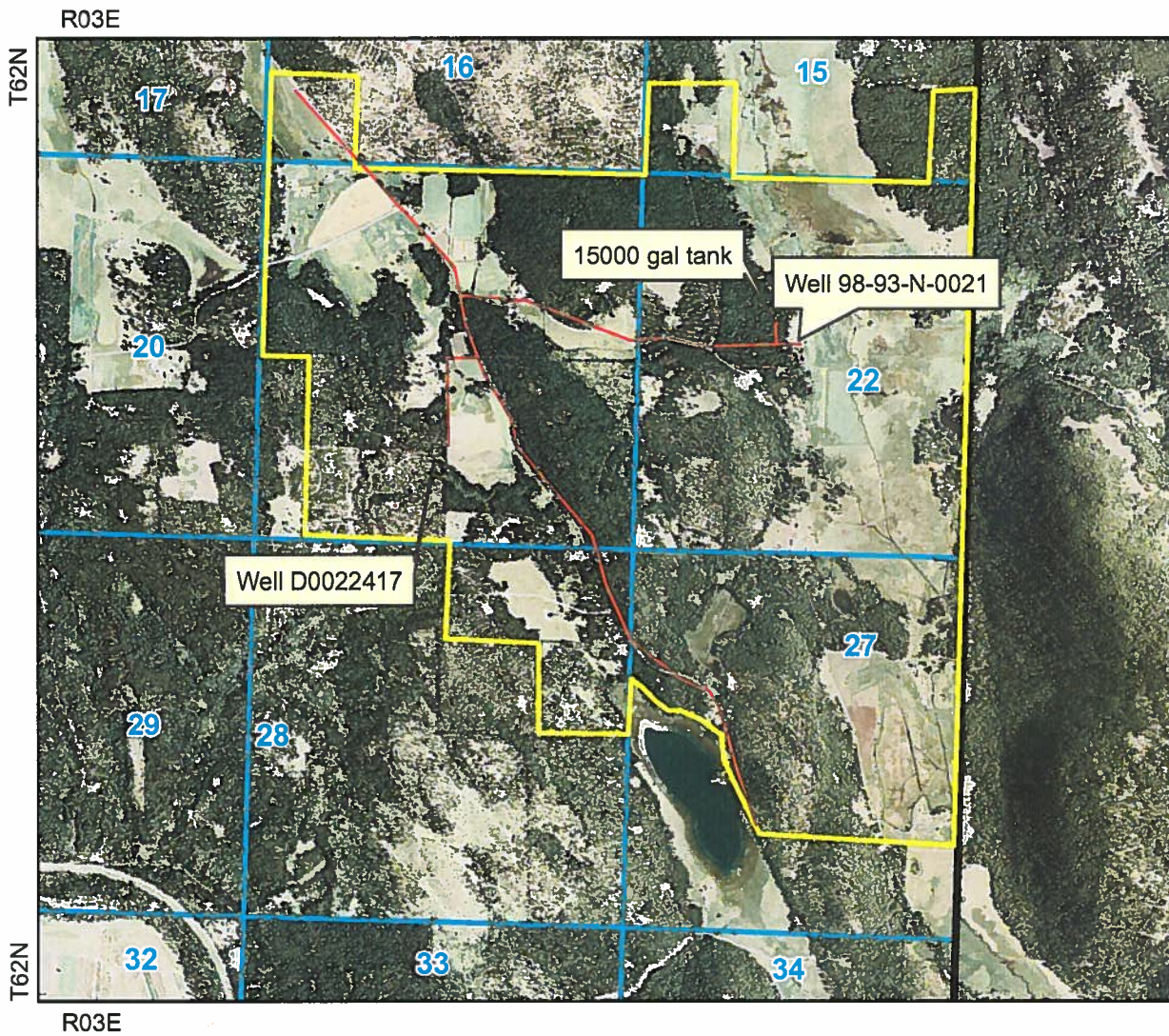
SCANNED

OCT 25 2010

05/05/2010

State of Idaho
Department of Water Resources
Water Right License
WATER RIGHT 98-7903
Water Service System

Date: 9/27/2011



0 0.3 0.6 1.2 Miles

Legend

-  Water Service Area Boundary
-  Townships
-  PLS Sections





98-93-N-0021.JPG



15000 gal .JPG



D0022417 location .JPG



D0022417.JPG



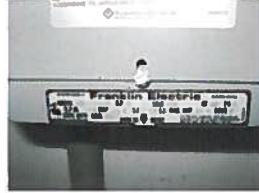
Flow- Well 98-93-N-0021.JPG



Flow -Well D0022417.JPG



Pump data 98-93-N-0021.JPG



Pump data D0022417.JPG



Pump house 1994 Well.JPG



Well .JPG



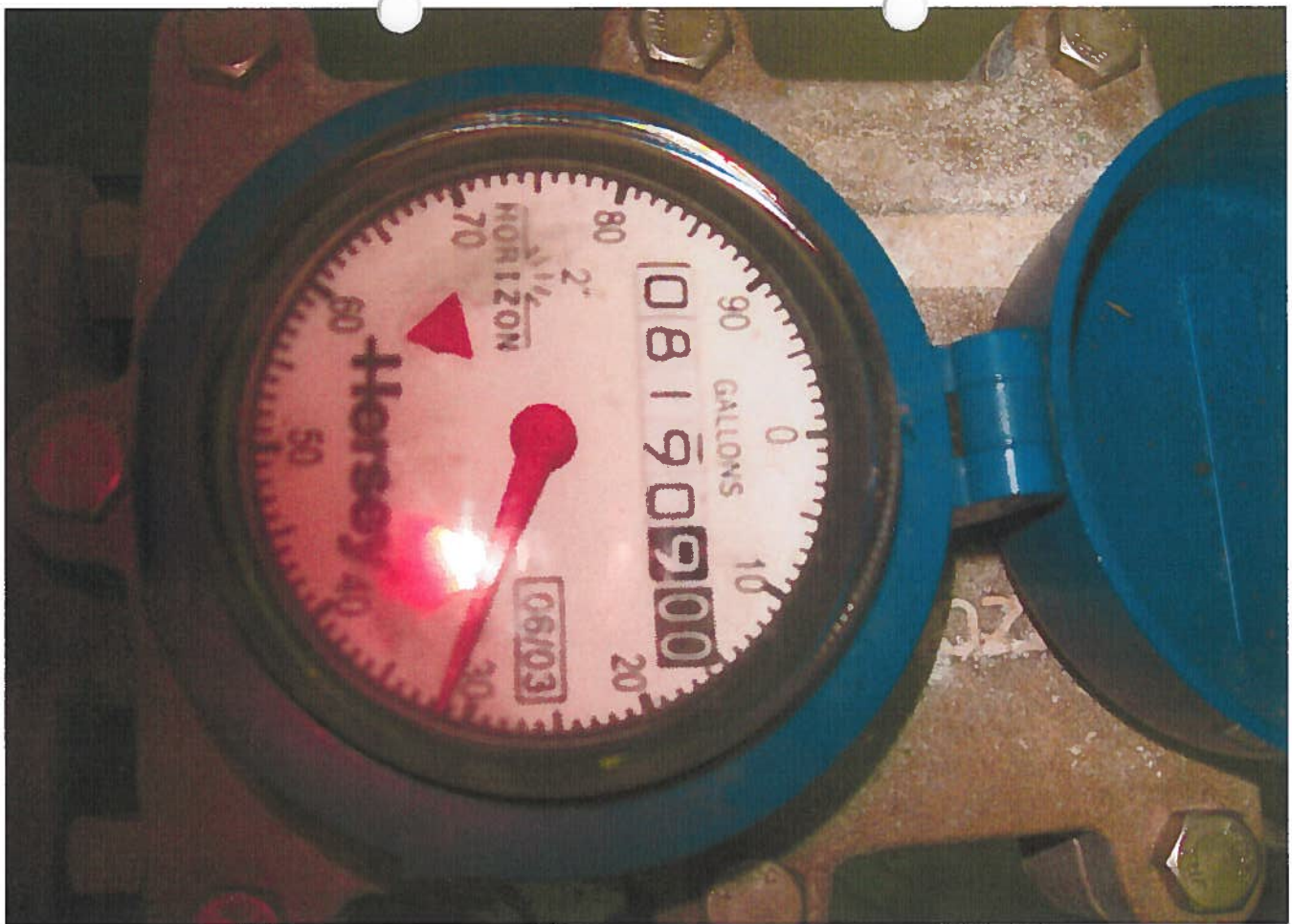
Well location 98-93-N-0021.JPG

98-7903



98-7903





98-7903

ACCORDING TO



Franklin Electric
Bluffton, Indiana 46714

155661101



MOTOR AND CONTROL BY

Franklin Electric

BLUFFTON, INDIANA

MODEL 2821139310 **H.P.** 5 **VOLT** 230 **HZ** 60 **PH** 1
R.P.M. 3450 **AMP.** 23.0 **S.F.** 1 15 **S.F. MAX. AMP.** 27.5 **CODE** F
CONT. DUTY **DATE** 02/28/19 **PUSH TO**  **RESET**

ACCEPTABLE FOR OUTDOOR USE

U.S. PAT. NO'S. 2,908,988 3,081,384 3,159,762
3,404,363 3,777,184 3,849,784 OTHERS PENDING
CAN. PAT. NO'S. 642,055 688,917 643,353

151279101



98-7903





98-7903



METAL PARTS HAVE BEEN PROPERLY GROUNDED
ACCORDING TO APPLICABLE CODES.



Franklin Electric
Bluffton, Indiana 46714

155661101 REV. 3

INDUCTION AND CONTROL BY

Franklin Electric

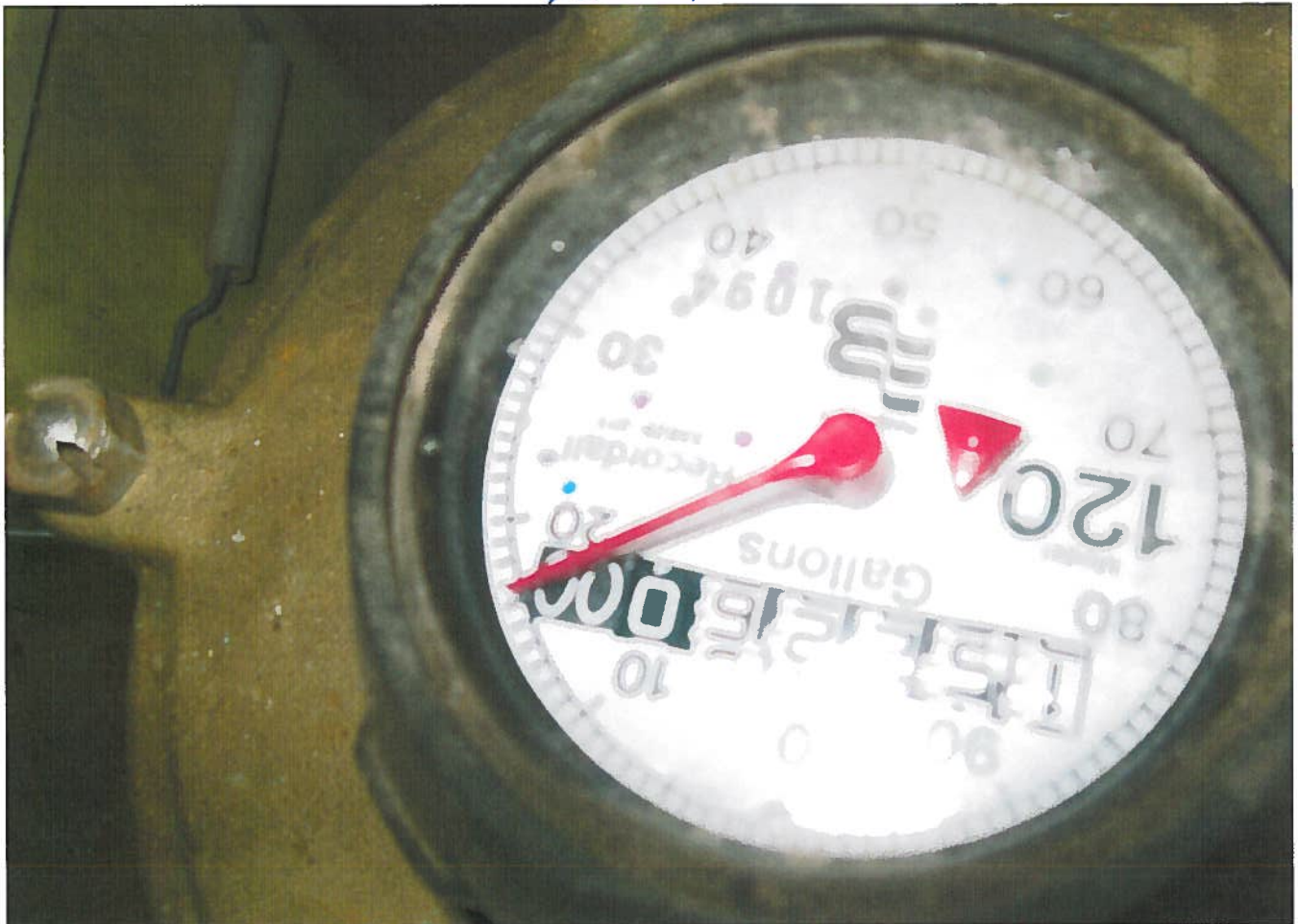
MODEL 2021138110 H.P. 5 VOLT 230 HZ 60 PH

R.P.M. 3450 AMP. 23.0 S.F. 1.15 S.F. MAX. AMP. 27.5 CODE F

CONT. DUTY DATE L93 PUSH TO  RESET

U.S. PAT. NO'S. 2,888,888 2,889,384 2,159,782
2,404,353 2,777,304 2,849,704 OTHERS PENDING
CAN. PAT. NO'S. 942,880 938,817 942,350

98-7903





98-7903