

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-8057

Exam Date: 8/29/2007

1. Current Owner: US DEPT OF INTERIOR
BUREAU OF RECLAMATION
1150 N CURTIS RD STE 100
BOISE ID 83706-1234
(208) 378-5306
2. Accompanied by: *Paul Baker / Ron Wilson*
Phone No: *(208) 773-7579*
Address: *2650 N Mcbaine RD, Post Falls, ID 83854*
Relationship to Permit Holder: *Managers, East Greenacres Irrigation District*

3. SOURCE**TRIBUTARY**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: *(see attached memorandum)*
2. Other water rights with the same point of diversion: *45-7055 & 45-8881*

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER	NE1/4SE1/4, Sec. 28, Twp 51N, Rge 05W, B.M., KOOTENAI County
GROUND WATER	NE1/4SE1/4, Sec. 28, Twp 51N, Rge 05W, B.M., KOOTENAI County
GROUND WATER	NE1/4SE1/4, Sec. 28, Twp 51N, Rge 05W, B.M., KOOTENAI County
GROUND WATER	NW1/4NW1/4, Sec. 22, Twp 51N, Rge 05W, B.M., KOOTENAI County
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Method of Determination:

2. *Garmin GPS, USGS 7.5' Quadrangles ('Liberty Lake,' 'Post Falls' 'Rathdrum')*

Method of Determination:

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable. *(Shown on Map) (Irrigation District)*
- ☒ 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

95-8057

4. Well or Diversion

ID No.*	Motor Make	Hp	Frame # Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
1A	US Motor	500	5808PH	Vertiline Aurora	V 73-07847A
1B	" "	500	C604621-759	"	V77-86960
1C	" "	500	C604621-758	"	377-190
1D	" "	250	C604619-774	"	V73-07845
1E	" "	60	364TP	Jacuzzi	~~10LB~~ 10LCB10
1F	" "	250	5008PH	Vertiline Aurora	V73-07846A
2A	" "	500	C604621-759	Layne Bowler	V74-01429
2B	" "	300	C604620847	Vertiline Aurora	V7-07844
2C	" "	500	C604621759	Layne Bowler	V73-078470
2D	" "	500	C604621-759	Layne Bowler	V77-87941
2E	" "	300	C6004620DTub	Aurora Vertiline	V744-01428
3A	" "	500	C604621-759	Vertiline Aurora	Model 16 KH Serial Unknown
3B	" "	500	C604621-759	Layne Bowler	Model 16 KH Serial Unknown
3C	" "	250	C604619-774	Vertiline Aurora	Model 14K Serial Unknown

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

(Data above From Pumping Plant Report)
(See Narrative)

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Watch	Wrist	Remington	NA	NA	NA	NA
-	-	-	-	-	-	-

2. Measurements: NONE (See Theoretical Calculations & Flowmeter Readings Below)

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method:

Water	Right	No.	95-8057	Well 1A		
Q =	HP*8.8*Eff/H	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	8.509	500	398.2925	0.769	167	100
	cfs					

Flowmeter 3209.16 AF Gallons 325,850 (1AF) 3910 GPM
 3209.10 AF x .012 ÷ 448.836 PM (1 CFS)
 106 AF ÷ 5 MIN = .012 AF/MIN 3910.2 GPM 8.711 CFS

Water	Right	No.	95-8057	Well 1B		
Q =	HP*8.8*Eff/H	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	8.513	500	387.7279	0.749	168	95
	cfs					

Flowmeter 5835.39 Gallons 325,850 (1AF) 3910 GPM
 5835.33 x .012 ÷ 448.836 PM (1 CFS)
 .06 ÷ 5 MIN = .012 AF/MIN 3910.2 GPM 8.711 CFS

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Water	Right	No.	95-8057	Well 1C		
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	500	371.5374	0.746	168	88
Q =	8.849	cfs				

Flowmeter $\frac{8028.63}{8028.57} \div 5 \text{ MIN} = .012 \text{ AF/MIN}$ Gallons $\frac{325,850 (1 \text{ AF})}{\times .012} \div 448.83 \text{ GPM (1 CFS)}$
 3910.2 GPM 8.711 CFS

Water	Right	No.	95-8057	Well 1D		
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	250	382.102	0.776	167	93
Q =	4.475	cfs				

Flowmeter $\frac{825.909}{825.878} \div 5 \text{ MIN} = .0062 \text{ AF/MIN}$ Gallons $\frac{325,850 (1 \text{ AF})}{\times .0062} \div 448.83 (1 \text{ CFS})$
 2020.27 GPM 4.501 CFS

Water	Right	No.	95-8057	Well 1E		
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	60	381.102	0.614	166	93
Q =	0.852	cfs				

No Flow meter Readings Taken: Well Not In Service

Water	Right	No.	95-8057	Well 1F		
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	250	381.102	0.711	166	93
Q =	4.111	cfs				

Flowmeter $\frac{778.950 \text{ AF}}{-778.918 \text{ AF}} \div 5 \text{ MIN} = .0064 \text{ AF/MIN}$ Gallons $\frac{325,850 (1 \text{ AF})}{\times .0064} \div 448.83 \text{ GPM (1 CFS)}$
 2085.44 GPM 4.646 CFS

Water	Right	No.	95-8057	Well 2A		
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	500	397.9184	0.724	162	102
Q =	8.018	cfs				

Flowmeter $\frac{0015.43}{0015.87} \div 6 \text{ MIN} = .01 \text{ AF/MIN}$ $\frac{325,850 (1 \text{ AF})}{\times .01} \div 448.83 \text{ GPM (1 CFS)}$
 3258.5 GPM 7.259 CFS

Water	Right	No.	95-8057	Well 2B		
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	300	420.102	0.735	205	93
Q =	1.626	cfs				

Flowmeter $\frac{0905.503}{0905.459} \div 6 \text{ MIN} = .0073 \text{ AF/MIN}$ $\frac{325,850 (1 \text{ AF})}{\times .0073} \div 448.83 \text{ GPM (1 CFS)}$
 2378.705 GPM 5.299 CFS

Water	Right	No.	95-8057	Well 2C		
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	500	423.2925	0.751	192	100
Q =	7.819	cfs				

Flowmeter $\frac{8245.42}{8245.36} \div 5 \text{ MIN} = .012 \text{ AF/MIN}$ $\frac{325,850 (1 \text{ AF})}{\times .012} \div 448.83 \text{ GPM (1 CFS)}$
 3910.2 GPM 8.711 CFS

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Water	Right	No.	95-8057	Well 2D		
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	500	426.2313	0.755	188	103
Q =	7.806	cfs				

Flowmeter $\frac{1267.62}{1267.65}$ Gallons $\frac{325,850 (1AF)}{x .014} = 4561.9 \text{ GPM}$
 $\div 448.83 \text{ GPM (1 cfs)}$
 $.07 \div 5 \text{ MIN} = .014 \text{ AF/MIN}$ 4561.9 GPM 10.163 CFS

Water	Right	No.	95-8057	Well 2E		
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	300	404.7279	0.751	185	95
Q =	4.906	cfs				

Flowmeter $\frac{550.040}{550.055}$ Gallons $\frac{325,850 (1AF)}{x .007} = 2280.95 \text{ GPM}$
 $\div 448.83 \text{ GPM (1 cfs)}$
 $1.035 \div 5 \text{ MIN} = .007 \text{ AF/MIN}$ 2280.95 GPM 5.081 CFS

Water	Right	No.	95-8057	Well 3A		
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	500	387.7279	0.724	168	95
Q =	8.229	cfs				

Flowmeter $\frac{1914.43}{1914.37}$ Gallons $\frac{325,850 (1AF)}{x .012} = 3910.2 \text{ GPM}$
 $\div 448.83 \text{ GPM (1 cfs)}$
 $.06 \div 5 \text{ MIN} = .012 \text{ AF/MIN}$ 3910.2 GPM 8.711 CFS

Water	Right	No.	95-8057	Well 3B		
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	500	433.9864	0.772	168	115
Q =	7.839	cfs				

Flowmeter $\frac{274.613}{4990.61}$ Gallons $\frac{325,850 (1AF)}{x .012} = 3910.2 \text{ GPM}$
 $\div 448.83 \text{ GPM (1 cfs)}$
 $.06 \div 5 \text{ MIN} = .012 \text{ AF/MIN}$ 3910.2 GPM 8.711 CFS

Water	Right	No.	95-8057	Well 3C		
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	250	427.0476	0.741	168	112
Q =	3.823	cfs				

Flowmeter $\frac{234.613}{234.583}$ Gallons $\frac{325,850}{x .006} = 1955.10 \text{ GPM}$
 $\div 448.83 \text{ GPM (1 cfs)}$
 $.030 \div 5 \text{ MIN} = .006 \text{ AF/MIN}$ 1955.10 GPM 4.355 CFS
 THEORETICAL TOTAL: 88.375 CFS FLOWMETERS & WELL IE THEORETICAL 94.422 CFS

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (5,364) \times (3.0) = 16107 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = (3.0) \times (246) \times (1.9835) = 1463.823$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 1463.82 = 1463.8 \text{ AF}$$

2. Volume Calculations for Other Uses:

$$\text{INDUSTRIAL } (3.0 \text{ by Permit}) \times (365) \times (1.9835) = 2171.93 = 2171.9 \text{ AF}$$

$$\text{DOMESTIC } (3.0 \text{ by Permit}) \times (365) \times 1.9835 = 2171.93 = 2171.9 \text{ AF}$$

$$1000 \text{ HOMES (Proof)} \times (1.2 \text{ AFA}) = 1200 \text{ AF}$$

95-8057

G. NARRATIVE/REMARKS/COMMENTS

The East Green Acres Irrigation District (EGID) system uses 14 wells that are located at three separate well sites, drilled in the early 1970s, on the Rathdrum Prairie to the North of Post Falls. The wells and POU for this water right (95-8057) are also used by the District under license 95-7055 and Permit 95-8881 (Permit Proof Due Date Extended to 11/1/2010). The wells are connected to a pipeline network that distributes water within District boundaries and to a 325,000 Gallon reservoir.

The District has interchange agreements to provide and receive water under emergency circumstances with the City of Post Falls. The District also supplies domestic metered water at the District boundary to the Hidden Valley Water Association at a transfer station on Chase Road. The transfer station, and distribution system to hookups within the Association service area, is Association owned. The District board determines annually if sufficient water is available to supply the Hidden Valley Water Association and any other users outside the District boundary.

Flow calculations for this Field Exam are based on information from several sources. One well log is available. Theoretical calculations use pump efficiency data, well depths, and pump horsepower, from the 1988 Pumping Plant Efficiency Report prepared by John Westra of the IDWR Bureau of Energy Resources. Well flowmeter calculations are derived from readings taken at each well during a 2007 IDWR Northern field inspection. The District also provided a 2005 Pumpage Report.

A list of overlapping water rights is attached.

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>	<u>ANNUAL VOLUME</u>
INDUSTRIAL	01/01 to 12/31	3.000 CFS	2171.9 AF
IRRIGATION	03/15 to 11/15	3.000 CFS	1463.8 AF
DOMESTIC	01/01 to 12/31	3.000 CFS	1200.0 AF
<u>Totals:</u>		3.000 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 *Change to Municipal*

I. AUTHENTICATION

Field Examiner's Name

William M. Maffey

Date

9/30/2008

Reviewer

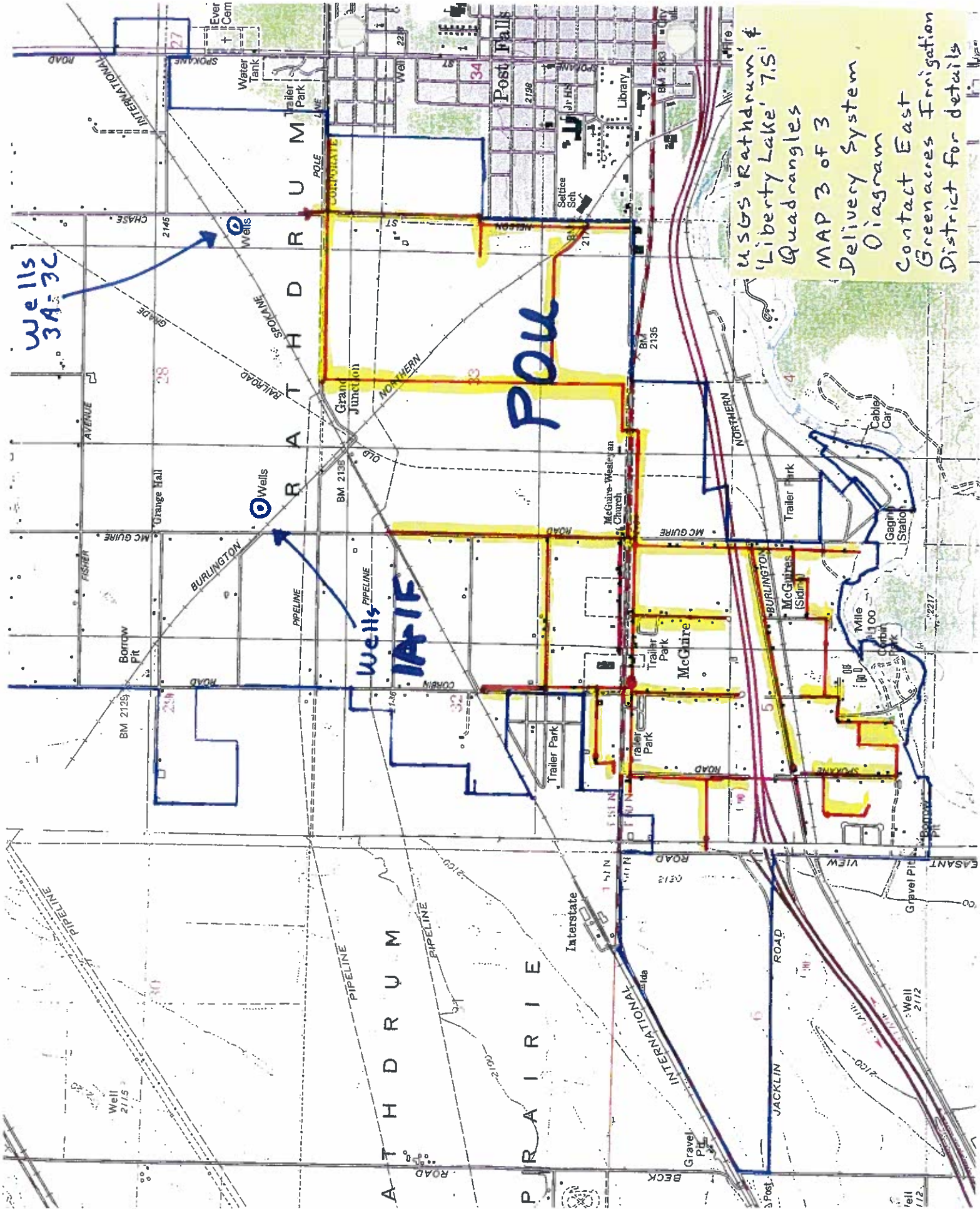
[Signature]

Date

9/30/2008

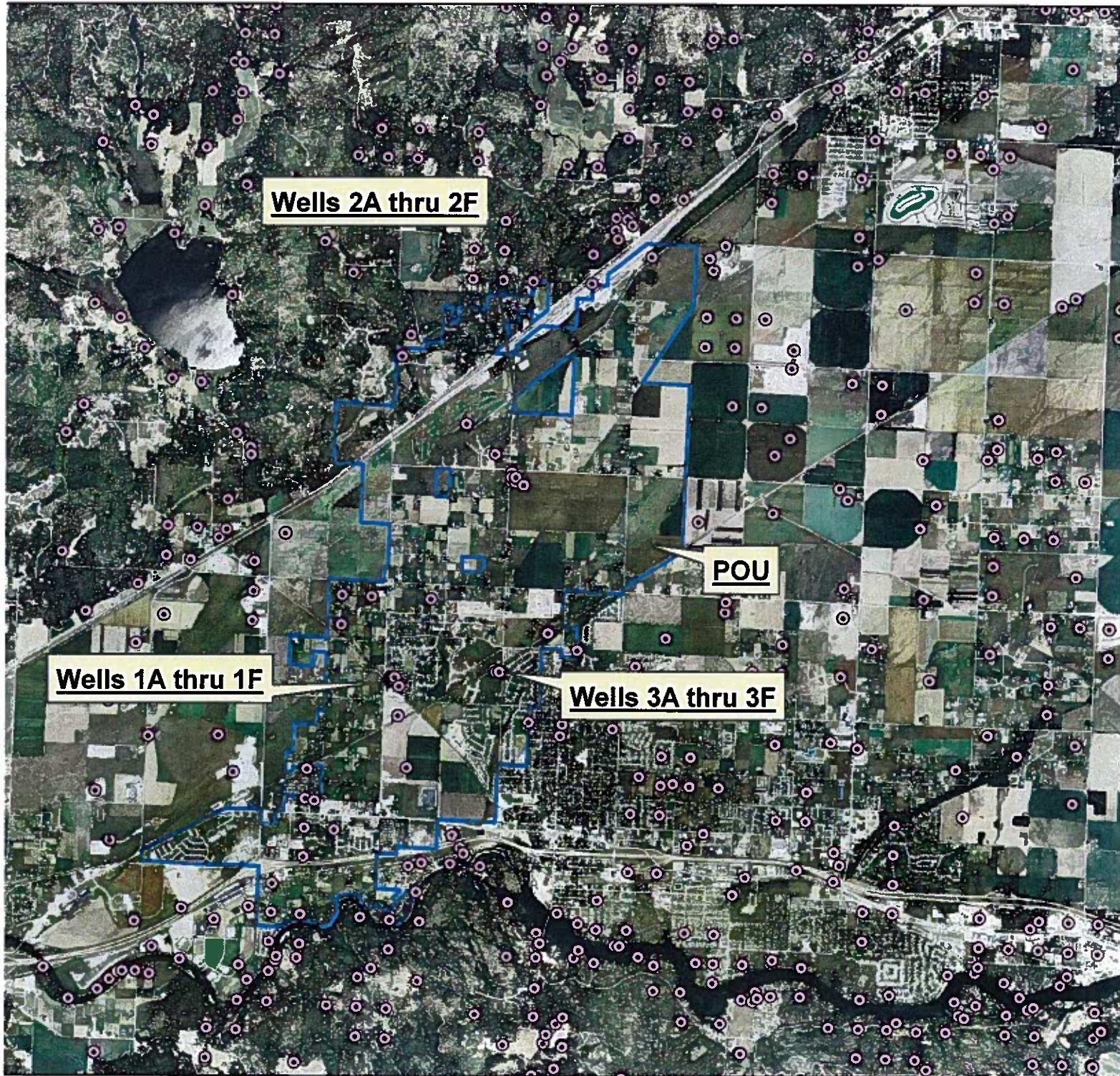
95-8057

95-8057



USGS "Rathdrum" &
'Liberty Lake' 7.5
Quadrangles
MAP 3 of 3
Delivery System
Diagram
Contact East
Greenacres Irrigation
District for details

95-8057



95-8057

Delivery System Diagram

USGS
'Post Falls'
7.5' Quadrangle
Map 2 of 3
CENTER
Distribution
System
Contact
East Greenacres
Irrigation DIST
for details

POW we 11s / 2A-2E

Wells
3A-3C

Wells PIPELINING

95-8057



95-8057 Flowmeter At Site
1.JPG



95-8057 Flowmeter
Location.JPG



95-8057 Hidden Valley
Transfer Station.JPG



95-8057 Reservoir.JPG



95-8057 Site 1 Wells.JPG



95-8057 Well 1A.JPG



95-8057 Well 1F BLDG.jpg



95-8057 Well 2D.jpg



95-8057 Well 3A.jpg



95-8057 Well BLDG
Interior.JPG



95-8057 Well data plate.JPG



95-8057 Well
Flowmeter.JPG



95-8057 Well Site 1.JPG



95-8057 POU.JPG

95-8057



95-8057 Flowmeter



95-8057 Flowmeter Location

95-8057



95-8057 Hidden Valley Transfer Station



95-8057 Site 1 Wells

95-8057



95-8057 Well 1A



95-8057 Well BLDG Interior

95-8057



95-8057 Well Site 1



95-8057 Well 1F BLDG

95-8057



95-8057 Well 2D



95-8057 Well 3A

95-8057



95-8057 Reservoir



95-8057 POU

95-8057

USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Water Administration

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclamation Engineer
within 30 days after completion or abandonment of the well.

1. WELL OWNER Name <u>EAST GREENACRES IRRIGATION DIST</u> Address <u>RT 1 BOX 116 POST FALLS IDA.</u> Owner's Permit No. <u>95-7055 (BIR. REC.)</u>		7. WATER LEVEL Static water level <u>160</u> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature <u>48</u> ° F. Quality <u>GOOD</u> Artesian closed-in pressure _____ p.s.i. Controlled by ☐ Valve ☐ Cap ☐ Plug																																																					
2. NATURE OF WORK <u>95-71-N-71</u> ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____		8. WELL TEST DATA <u>NO TEST MADE</u> ☐ Pump ☐ Bailor ☐ Other Discharge G.P.M. _____ Draw Down _____ Hours Pumped _____																																																					
3. PROPOSED USE ☐ Domestic ☒ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock		9. LITHOLOGIC LOG <table border="1"><thead><tr><th rowspan="2">Hole Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td>20"</td><td>0</td><td>20</td><td>GRAVEL 3" MINUS</td><td></td><td>X</td></tr><tr><td>20"</td><td>20</td><td>22</td><td>BOULDER</td><td></td><td>X</td></tr><tr><td>20"</td><td>22</td><td>38</td><td>GRAVEL + BOULDER</td><td></td><td>X</td></tr><tr><td>20"</td><td>38</td><td>114</td><td>GRAVEL 4" MINUS</td><td></td><td>X</td></tr><tr><td>20"</td><td>114</td><td>165</td><td>GRAVEL 2" MINUS</td><td></td><td>X</td></tr><tr><td>20"</td><td>165</td><td>210</td><td>GRAVEL 2" MINUS</td><td>X</td><td></td></tr><tr><td>20"</td><td>210</td><td>230</td><td>GRAVEL + SAND 1" MINUS</td><td>X</td><td></td></tr></tbody></table>		Hole Diam.	Depth		Material	Water		From	To	Yes	No	20"	0	20	GRAVEL 3" MINUS		X	20"	20	22	BOULDER		X	20"	22	38	GRAVEL + BOULDER		X	20"	38	114	GRAVEL 4" MINUS		X	20"	114	165	GRAVEL 2" MINUS		X	20"	165	210	GRAVEL 2" MINUS	X		20"	210	230	GRAVEL + SAND 1" MINUS	X	
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4. METHOD DRILLED ☒ Cable ☐ Rotary ☐ Dug ☐ Other																																																							
5. WELL CONSTRUCTION Diameter of hole <u>20</u> inches Total depth <u>230</u> feet Casing schedule: ☒ Steel ☐ Concrete Thickness _____ Diameter _____ From _____ To _____ <u>37.5</u> inches <u>20</u> inches <u>+2</u> feet <u>201</u> feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet Was a packer or seal used? ☒ Yes ☐ No Perforated? ☐ Yes ☒ No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation _____ inches by _____ inches Number _____ From _____ To _____ _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet Well screen installed? ☒ Yes ☐ No Manufacturer's name <u>U.O.P. JOHNSON</u> Type <u>TELESCOPE</u> Model No. <u>IRRIGATOR</u> Diameter <u>18</u> Slot size <u>18</u> Set from <u>200</u> feet to <u>210</u> feet Diameter <u>18</u> Slot size <u>150</u> Set from <u>210</u> feet to <u>215</u> feet <u>18</u> <u>125</u> <u>215</u> <u>230</u> Gravel packed? ☐ Yes ☒ No Size of gravel _____ Placed from _____ feet to _____ feet Surface seal? ☒ Yes ☐ No To what depth <u>20</u> feet Material used in seal ☒ Cement grout ☐ Pudding clay																																																							
6. LOCATION OF WELL Sketch map location must agree with written location. County <u>KOOTENAI</u> <u>11W</u> x <u>S4W</u> Sec. <u>28</u> T. <u>51</u> N. S. R. <u>5</u> E		10. Work started <u>MAY 24 1971</u> finished <u>JUNE 20 1971</u>																																																					
		11. DRILLER'S CERTIFICATION This well was drilled under my supervision and this report is true to the best of my knowledge. <u>HOLMAN DRILLING CORP</u> <u>108</u> Driller's or Firm's Name Number <u>E 3410 9TH AVE SPOKANE WID.</u> Address Signed By <u>Arnold E. Holman</u> Date <u>JULY 8 1971</u>																																																					

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

95-8057

PUMPING PLANT EFFICIENCY REPORT
GREEN ACRES IRRIGATION DISTRICT
POST FALLS, IDAHO

PREPARED BY
JOHN WESTRA

IDAHO DEPARTMENT OF WATER RESOURCES
BOISE, IDAHO

8-2-88

95-8057

BACKGROUND:

THE PUMPING SYSTEM AT GREEN ACRES IRRIGATION DIST CONSISTS OF 14 DEEP WELL TURBINES LOCATED IN THREE PUMPING YARDS. THE YARDS ARE SEVERAL MILES APART WITH THE PUMPS OPERATING IN PARALLEL. ELECTRIC AND PRESSURE CONTROLLERS SEQUENCE THE PUMPS. THE SYSTEM WAS A PROJECT OF THE BUEARU OF RECLAMATION AND SERVES IRRIGATION AND DOMESTIC NEEDS.

CONDITIONS:

EACH PUMP WAS TESTED WITH THE SYSTEM OPERATING UNDER NORMAL CONDITIONS. THE PUMPS WERE MANUALLY TURNED OFF AND ON TO TEST. VOLTAGE WAS READ FROM THE PANEL GAUGE FOR EACH PUMP. AMPERAGE, WELL LEVEL, AND FLOW WERE OBTAIN WITH IDWR'S METERS. IN THE REPORT WHERE PUMPING WATER LEVELS WERE ESTIMATED, WELL ACCESS WAS NOT OBTAINABLE FOR MEASUREMENT.

OBSERVATIONS:

ALL THE PUMPS TESTED WITH EXCEPTION OF THE 60 HP PERFORMED IN THE EXCELLANT RATING (71.1%- 77.6%). NUMBER #1E (60HP) EARNED A GOOD RATING, BUT WITH THE HOURS OPERATED IN 1987 A POTENTIAL OF \$447 COULD BE SAVE BY PUMP IMPROVEMENTS. THE POTENTIAL SAVINGS NEEDS TO BE EVALUATED TO DETERMINE IF IMPROVEMENTS WOULD BE COST EFFECTIVE ON THIS PUMP.

#2A HAD A RATTLE NOISE IN THE LOWER COLUMN- SPIDER BEARING?
OPERATOR MADE NOTE.

ALL PUMPS WERE OPERATING WITHIN THE FULLY RATED LOAD. NONE WERE EXCEEDING THE 1.15 INPUT MOTOR SERVICE FACTOR.

FLOW METERS, AND GAUGES INSTALLED ON THE PUMPS APPPEAR TO BE READING ACCURATELY.

THE SYSTEM IS WELL MANAGED AND MAINTAINED.

95-8057

TEST SUMMARY

GREEN ACRES IRRIGATION DIST.

DATE 8-2-88

N 2650 MC GUIRE RD.

POST FALLS, ID. 83854

SUMMARY OF PUMPING PLANT EFF. TEST OWNER OF PUMP(S): GREEN ACRES

PUMPING UNIT	RATED HP	PUMPING LEVEL FT.	FLOW (GPM)	DIS. (PSI)	TDH (FT)	WHP (HP)	IHP (HP)	EFF (%)	RATING
#1A	500	167	3920	100	401	396.9	516.0	76.9	EXCEL.
#1B	500	168	3870	95	390	381.6	509.4	74.9	EXCEL
#1C	500	168	4100	88	374	387.5	519.4	74.6	EXCEL
#1D	250	167 EST.	2132	93	384	206.6	266.5	77.6	EXCEL
#1E	60	166	428	93	383	41.4	67.4	61.4	GOOD
#1F	250	166	2058	93	383	199.0	279.8	71.1	EXCEL
#2A	500	162	3810	102	401	385.4	532.3	72.4	EXCEL
#2B	300	205	1960	93	422	208.8	284.1	73.5	EXCEL
#2C	500	192	3790	100	426	407.7	542.7	75.1	EXCEL
#2D	500	188	3830	103	429	414.8	549.3	75.5	EXCEL
#2E	300	185	2110	95	406	216.6	288.5	75.1	EXCEL
#3A	500	168	3958	95	390	390.3	539.4	72.4	EXCEL
#3B	500	168 EST.	3614	115	437	398.5	516.0	77.2	EXCEL
#3C	250	168	1710	112	429	185.1	249.7	74.1	EXCEL

95-8057

East Greenacres Irrigation District Pump Summary

1988							1998						
	Pump	H.P.	Meter ID#	Amps Per Phase			Total Amps	H.P.	Meter ID#	Amps Pre Phase			Total Amps
Well Site 1	1A	500	75-16-135	101	99	101	301	500	75-16-135	101	101	98	300
	1B	500	75-16-140	101	98	100	299	500	75-16-140	99	99	97	295
	1C	500		100	98	99	297	500		101	105	100	306
	1D	250	17821187	56	53	54	163	250	17821187	51	52	51	154
	1E	60						60					
Well Site 2	1F	250	75-12-337	51	48	50	149	250	75-12-337	51	50	51	152
	2A	500	75-16-139	97	99	100	296	500	75-16-139	98	100	99	297
	2B	300	75-12-334	49	51	52	152	300	75-12-334	50	52	51	153
	2C	500		92	94	95	281	500		93	95	94	282
	2D	500	75-16-136	99	100	101	300	500	75-16-136	100	100	100	300
	2E	300		52	54	55	161	300		54	56	55	165
Well Site 3	3A	500	75-16-137	100	101	99	300	500	75-16-137	99	96	102	297
	3B	500	75-16-141	100	101	99	300	500	75-16-141	98	95	103	296
	3C	250	75-12-335	51	52	51	154	250	75-12-335	52	49	54	156

95-8057

JAMES, VERNON & WEEKS, P.A.

ATTORNEYS AT LAW

SUSAN P. WEEKS

STREET ADDRESS
1626 LINCOLN WAY
COEUR D'ALENE, ID 83814
TELEPHONE: (208) 667-0683
FAX (208) 664-1684

December 27, 2007

Mr. Shaun M. Maxey
Water Resources Agent
Idaho Depart. Of Water Resources, Northern Region
7600 N. Mineral Drive, Ste. 100
Coeur d'Alene, ID 83815

RE: East Greenacres Irrigation District

Dear Mr. Maxey:

Our firm represents East Greenacres Irrigation District. Paul Baker has forwarded your recent correspondence to me for review. You cited the district to the case of *Jones v. Big Lost River Irr. Dist.*, 93 Idaho 227 (1969) for the proposition that an irrigation district is restricted in its ability to supply water outside the irrigation district boundaries. This case held that the district could not supply water outside the district so long as it was needed for the proper irrigation of lands within the district. Also relevant to this issue is Idaho Code § 43-1901, which provides that an irrigation district may provide service through its irrigation system or domestic water system to lands within the district and to other lands that the district's board of directors determines can be served feasibly and economically. It appears this statute was enacted to allow an irrigation district to provide water outside the district as long as it was not needed for the proper irrigation of lands within the district. However, no case law has developed that addresses the parameters of this statute.

I understand that you have advised the district that it should consider annexing those areas outside the district to which it serves water. I would appreciate it if you would review the above statute and contact me regarding its application with respect to East Greenacres Irrigation District.

Very truly yours,



Susan P. Weeks

Cc: Client

95-8057



State of Idaho

DEPARTMENT OF WATER RESOURCES

Northern Region, 7600 N. Mineral Drive, Suite 100 • Coeur d'Alene, Idaho 83815

Phone: (208) 762-2800 • Fax: (208) 762-2819 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

DAVID R. TUTHILL, JR.
Director

November 5, 2007

Mr. Paul Baker
East Greenacres Irrigation District
2272 N McGuire RD
Post Falls, ID 83854

Dear Mr. Baker:

Thanks for the information provided to the Idaho Department of Water Resources (IDWR) and for your letter dated October 25, 2007 pertaining to Permit 95-8057, held by the United States Bureau of Reclamation (BOR). This information has been very useful for our understanding of the East Greenacres Irrigation District (EGID) water system.

In our recent conversations, the question was asked whether IDWR licenses acres outside an irrigation district boundary. As a rule, when IDWR is licensing a right for use in connection with an irrigation district, the Department does not license acres outside an irrigation district's existing boundary. This is because irrigation districts are restricted in their ability to supply water outside the irrigation district boundary. See Jones v. Big Lost River Irr. Dist., 93 Idaho 227 (1969). The Department recognizes an exemption to this general rule for water rights with a municipal purpose of use. Water rights with a municipal purpose will be licensed as with the municipal service area as the place of use. See Idaho Code §§ 42-219 and 42-202B.

I understand from my discussions with you that EGID currently delivers water for irrigation to properties outside its current boundary. For the Department to be able to include those acres within the boundary of EGID, EGID would have to annex those properties in as required by Idaho Code Title 43. Chapter 10 of Title 43 provides for annexation of lands that are to be irrigated and other purposes. Chapter 24 provides for annexation of property that is to receive only domestic water. Islands of unorganized territory that are surrounded by areas within a district have the same status as unorganized territory that is completely outside the boundaries.

IDWR recommends that EGID obtain the services of an attorney familiar with irrigation and municipal law. The attorney should be able to help EGID:

- Formalize and update EGID Irrigation Annexation and Domestic Annexation policies.
- Coordinate with Kootenai County and/or other governments regarding annexations.
- Invite current irrigation users outside the District to petition for Chapter 10 Annexation.
- Invite current domestic users outside the District to petition for Chapter 24 Annexation.
- Prepare to conduct an election on the annexation(s) if necessary.
- Complete Annexation(s)

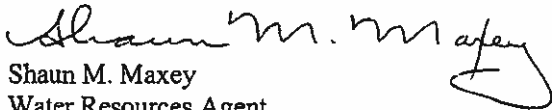
EGID may also wish to review the provisions of Title 43, Chapter 11, Idaho Code, concerning residential land not using water rights.

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EGID and the BOR may seek to convert a portion of Permit 95-8057 to Municipal use at licensing. Information will be needed to define the District's service area boundary and to determine what portion of each water right is reserved for Reasonably Anticipated Future Needs.

Please contact me at (208) 762.2816 or via e-mail at Shaun.Maxey@idwr.idaho.gov if you have any questions.

Respectfully,

A handwritten signature in cursive script that reads "Shaun M. Maxey". The signature is written in dark ink and is positioned above the printed name.

Shaun M. Maxey
Water Resources Agent
Idaho Department of Water Resources, Northern Region

95-8057

**CONTRACT TO DELIVER SUPPLEMENTAL DOMESTIC WATER
TO HIDDEN VALLEY ADDITION WATER ASSOCIATION, INC.**

East Greenacres Unit
Rathdrum Prairie Project, Idaho

THIS CONTRACT, made this 10th day of October, 2007, by and between the EAST GREENACRES IRRIGATION DISTRICT, hereinafter called the District, and the HIDDEN VALLEY ADDITION WATER ASSOCIATION, INC., hereinafter called the Corporation,

WITNESSED, THAT:

WHEREAS, the following preliminary statements are made in explanation:

- (a) The United States of America, hereinafter referred to as the United States, acting pursuant to Federal Reclamation Laws has constructed the East Greenacres Unit of the Rathdrum Prairie Project, hereinafter referred to as the Project, in the State of Idaho, to provide for the delivery of irrigation and domestic, municipal, and industrial water supply to certain areas within the District; and
- (b) The Corporation, operating as a water delivery association outside the District's boundaries, has constructed wells to provide a domestic water supply to households and lands of its members which supply is not adequate to meet the present and future water requirements thereof; and
- (c) The Corporation has requested the District to furnish supplemental domestic water from the Project to it and the District has determined that there is adequate system capacity and water supply to permit the delivery of supplemental domestic water to the Corporation at the delivery point on the Project system hereinafter designated, pursuant to Section 43-1901 of the Idaho Code, for the lands of its members and for the households thereof in the manner and upon the terms and conditions hereinafter provided so as not to adversely affect existing or prospective future project water users;

NOW, THEREFORE, in consideration of the mutual and dependent stipulations herein set forth, it is hereby covenanted and agreed as follows:

95-8057

TERM OF CONTRACT

1. The contract entered into between the District and the Corporation on May 8, 1976, is hereby mutually terminated and replaced by this contract which shall become effective on _____, 2007, and shall remain in effect until January 1, 2017, unless otherwise terminated as provided in Article 8 hereof: Provided, That under terms and conditions mutually agreeable to the parties hereto, renewals of this contract may be made for successive periods not to exceed ten (10) years.

CONDITIONS OF WATER DELIVERY

2. (a) The Corporation will at its own expense furnish all labor, materials, supplies, and equipment necessary for the performance of the following described work: Maintain a turnout assembly which includes mainline, valves, water meter and an approved reduced pressure zone backflow preventer, or, other devices, as, in the opinion of the District, are required to permit the delivery, regulation, and measurement of the supplemental domestic water supply to the Corporation hereunder and to assure the integrity of the District's system including the assurance that at no time can water from the Corporation's system flow into the District's system. The Corporation shall have the reduced pressure zone backflow preventer, or other required devices, tested annually by a certified tester with results provided the District. Periodic testing and/or replacement of the meter may be required by the District at the Corporation's expense.

(b) The water to be furnished hereunder shall be provided by the District to the Corporation at the turnout assembly, hereinafter called the delivery point. This delivery point is defined as the north side of the mainline valve located on the District's line 6B at approximately Station 45+27 in the SW ¼ of Section 10, T.51N., R.5W., B.M., Kootenai County, Idaho. The Corporation will be responsible for the purchase, installation, connection, and operation and maintenance of all facilities required to pump, convey, and distribute the water from the delivery point to its members' lands and to the households thereof.

(c) The Corporation shall make the supplemental domestic water delivered to it hereunder available only to the lands within Hidden Valley Addition Water Association, Inc., its members and to the households hereof. This land is shown on the attached exhibit "A".

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(a) The Corporation shall pay the District the base charge on or before the beginning of each quarter (The 3-month period beginning the first day of January, April, July and October of each calendar year), a District operation and maintenance charge for each month and each household. This rate will equal the 1" Domestic Service Rate as established annually by the District's Board of Directors for all single user services in the District. In exchange for this payment, the District shall deliver to the Corporation an amount of water each month arrived at by multiplying 10,000 gallons by the number of households then hooked up to receive water from the Corporation, such amount hereinafter referred to as the base quantity of water. An additional excess water charge, equal to the current District Domestic Overage Charge, as established annually by the District's Board of Directors, shall be paid for by the Corporation for each 1,000 gallons or fraction thereof delivered to the Corporation in excess of the base quantity of water. In no event shall the Corporation be entitled to receive water for more than 57 single family dwelling services.

(b) All charges due hereunder shall be considered delinquent 30 days from the beginning of each quarter. The payment of charges becoming due hereunder is the condition for receiving water under this contract and the District reserves the right to refuse delivery of water to the Corporation unless all charges are paid. The District shall give the Corporation not less than thirty (30) days written notice of default prior to discontinuing the supply of water to the Corporation.

(c) The Corporation will cause to be collected all necessary tolls and other charges from its members and will use all of its authority and resources to meet its obligations under this contract. The obligation of the Corporation to pay the District the charges becoming due as provided herein is a general obligation of the Corporation notwithstanding the manner in which the obligation may be distributed among the lands and households of the members of the Corporation notwithstanding the default of individual members of the Corporation in the payment of tolls or other charges imposed by the Corporation.

QUALITY OF WATER

3. The operation, maintenance, and replacement of Project facilities for the provision of water under this contract shall be performed in such manner as is practicable to maintain the quality of domestic water thereunder, and the District is under no obligation to construct or furnish water treatment facilities to maintain or better the quality of water. Further, the District does not warrant the quality of water to be furnished pursuant to this contract and assumes no responsibility for any required water testing.

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POLLUTION

4. The Corporation agrees to comply fully with all applicable Federal laws, orders, and regulations and the laws of the State of Idaho, all as administered by appropriate authorities concerning the pollution of streams, reservoirs, ground water, or water courses with respect to pollution or the discharge of refuse, garbage, sewage, effluent, or other pollutants.

DISCLAIMER

5. No provision for the delivery of water under this contract will be construed to bind the District to make water permanently available on a continuing basis to the Corporation, and neither it nor its officers, agents, or employees shall have any liability for or on account of:
 - (a) The control, carriage, handling, use, disposal, or distribution of such water diverted from Project facilities then being operated and maintained or utilized by the District.
 - (b) Damage claims of any nature whatsoever, including but not limited to, property loss or damage, personal injury, or death arising out of or connected with the control, carriage, handling, use, disposal, or distribution of such water; ;and
 - (c) Any damage, whether direct or indirect, arising out of or in any manner caused by the shortage or absence of said water whether such shortage or absence be on account of inspections, repairs, system failures, improvements, new construction, changes in operation, supplying existing irrigation and domestic, municipal, and industrial uses, prior or, superior claims, or any other causes.

BOOKS, RECORDS, MAPS, AND REPORTS

6. The Corporation shall establish and maintain accounts, maps, and other books and records pertaining to the number of its members' households receiving supplemental domestic water service and other matters pertaining to this contract as the District may require. Reports thereon shall be furnished to the District in such form and on such date or dates as it may require. Subject to applicable Federal and State laws and regulations, the District shall have the right to examine and make copies of the Corporation's books and records relating to matters covered by this contract.

45-8057

TERMINATION AND ASSIGNMENT

7. (a) This contract may be terminated at the option of the District with thirty (30) days written notice. No assignment or any part of interest in this contract shall be valid until approved by the District: Provided, however, That the construction of the Corporation's water system is being financed by a loan and grant from the United States acting through the Farmers Home Administration, and the Corporation may obtain a similar loan in the future. If the Farmers Home Administration on behalf of the United States succeeds to the Corporation's interests in its properties, whether the result of legal process, assignment, or otherwise, the Farmers Home Administration shall succeed to the rights of the Corporation hereunder.

(b) Upon termination of this contract, the mainline attached to the turnout assembly valve shall be removed by the Corporation within a period of ninety (90) days.

RULES AND REGULATIONS

8. The District may make rules and regulations, not inconsistent with provisions of this contract, and the Corporation shall observe the same.

IN WITNESS WHEREOF, the parties hereto have executed this contract as of the date first above written.



EAST GREENACRES IRRIGATION DISTRICT

BY *Sam P. Howell*
President, Board of Directors

James Z. Anderson
District Secretary

95-8057

STATE OF IDAHO

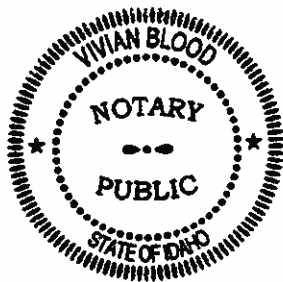
)
SS

County of Kootenai

On this 10th day of October, 2007, before me personally appeared
DAVID L. RACHOY, BRUCE WRIGHT,
VIRGINIA L. FAUCETT, CAROL HELMICK,
HOLIDAY REDDING, known to me to be respectively Members of
the Board of Directors and Secretary of the HIDDEN VALLEY ADDITION WATER
ASSOCIATION, INC., and the persons who executed the within instrument on
behalf of said corporation, and acknowledged to me that said corporation
executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal
the day and year first above written.

(SEAL)



Vivian Blood
Notary Public in and for the
State of Idaho
Residing at: POST FALLS, ID
My commission expires: 7-30-09

95-8057



IDAHO SECRETARY OF STATE Viewing Business Entity

Ben Ysursa, Secretary of State

[[New Search](#)] [[Back to Summary](#)]

MCGUIRE DOMESTIC WATER ASSOCIATION, INC.

Type of Business: CORPORATION, WATER USERS ASSOCIATION

Status: FORFEITED 30 Nov 1982

State of Origin: IDAHO

Date of 14 May 1945

Origination/Authorization:

Registered Agent:

Organizational ID / Filing C21704

Number:

Number of Authorized Stock

Shares:

Date of Last Annual Report:

Original Filing:

[[Help Me Print/View TIFF](#)]

Filed 14 May 1945 INCORPORATION

Amendments:

[[Help Me Print/View TIFF](#)]

Amendment Filed 13 Jul 1979 REINSTATEMENT

Amendment Filed 29 Oct 1981 OTHER - CHANGE RO TO NORTH 95 MCGUIRE
ROAD, POST FALLS

[Idaho Secretary of State's Main Page](#)

[State of Idaho Home Page](#)

Comments, questions or suggestions can be emailed to: sosinfo@sos.idaho.gov

95-8057

MEMORANDUM

Date: November 20, 2008
To: Water Right File 95-8057
From: smaxey
Re: McGuire Water ASSN

A 1982 East Greenacres Irrigation District letter to IDWR (Water Right backfile 95-4300) indicates that the McGuire Domestic Water Association intended to convey a well and its water rights to the District.

Ron Wilson, manager of East Greenacres Irrigation District, stated in a e-mail that the District never took possession of the well or either water right.

The McGuire Domestic Water Association is not listed as an active entity by the Idaho Secretary of State or Idaho Department of Environmental Quality.

95-8057

MEMORANDUM

Date: November 20, 2008
To: Water Right File 95-8057
From: smaxey
Re: Overlaps

The following Water Rights overlap 95-8057 (East Greenacres Irrigation District).

95-7055
95-973
95-8884
95-4204
95-2105A
95-2061
95-2089
95-7194
95-2160
95-4141
95-7117
95-4213
95-7100
95-7104
95-7120
95-7148
95-7571
95-4505
95-4053
95-4457
95-4458
95-4460
95-7436
95-8048
95-8862
95-4300
95-9002
95-8924
95-7469
95-7453
95-4489
95-9034
95-2126
95-9126
95-7286
95-7081
95-4045
95-8648
95-7805
95-7461
95-7762
95-7768
95-7761
95-9002
95-8379

95-8057

