

18606

RECEIVED

MAY 14 2013

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT
To appropriate the public waters of the State of Idaho

Ident. No. 95-16580

IDWR/NORTHERN

1. Name of applicant(s) City of Coeur d'Alene, Idaho - Water Department Phone 208-769-2210
Name connector (check one) ☐ and ☐ or ☐ and/or

Mailing address: 3820 Ramsey Road City Coeur d'Alene

State ID Zip 83815 Email: _____

2. Source of water supply Groundwater which is a tributary of _____

3. Location of point(s) of diversion: See attached POD supplement.

Twsp	Rge	Sec	Govt Lot	1/4	1/4	1/4	County	Source	Local name or tag #

4. Water will be used for the following purposes:

Amount 9 CFS for municipal purposes from 1/1 to 12/31 (both dates inclusive)
(cfs or acre-feet per year)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)

5. Total quantity to be appropriated is (a) 9 cubic feet per second (cfs) and/or (b) _____ acre-feet per year (af).

6. Proposed diverting works:

a. Describe type and size of devices used to divert water from the source. 500 HP vertical turbine pump with a 3 to 5 stage 4000 GPM set of bowls connected to existing distribution system via a 16" transmission main.

b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 11.

For dams 10 feet or more in height OR reservoirs with a total storage capacity of 50 acre-feet or more, submit a separate Application for Construction or Enlargement of a New or Existing Dam. Application required? ☐ Yes ☐ No

c. Proposed well diameter is Casing: 24 inches; proposed depth of well is 350-400 feet.

d. Is ground water with a temperature of greater than 85°F being sought? ☐ Yes ☒ No

e. If well is already drilled, when? 6" test well; drilling firm H2O Well Drilling;

Well was drilled for (well owner) City of Coeur d'Alene; Drilling Permit No. 863784

7. Description of proposed uses (if irrigation only, go to item 8):

a. Hydropower; show total feet of head and proposed capacity in kW. _____

b. Stockwatering; list number and kind of livestock. _____

c. Municipal; show name of municipality or the applicant's qualifications as a municipal provider. City of Coeur d'Alene

d. Domestic; show number of households _____

e. Other; describe fully. _____

Ident. No. 95-16580

8. Description of place of use: City of Coeur d'Alene water system service area

a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.

b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

Total number of acres to be irrigated: _____

9. Describe any other water rights used for the same purposes as described above. Include water delivered by a municipality, canal company, or irrigation district. If this application is for domestic purposes, do you intend to use this water, water from another source, or both, to irrigate your lawn, garden, and/or landscaping? 95-2111; 95-2133; 95-2198; 95-7142; 95-7181; 95-8565; 95-8647; 95-8672; 95-8938; 95-9007; 95-2164

10. a. Who owns the property at the point of diversion? City of Coeur d'Alene

b. Who owns the land to be irrigated or place of use? Place of use is the City of Coeur d'Alene water system service area.

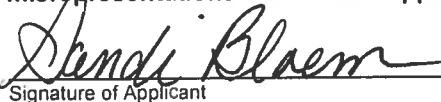
c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: Municipal water service system.

11. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary. The City of Coeur d'Alene requests an additional 9 cfs water right permit for municipal use within their water system service area to meet demand and storage requirements. This request is supported by the 2012 City of Coeur d'Alene Water System Comprehensive Plan update. A copy of the 2012 City of Coeur d'Alene Water System Comprehensive Plan update is attached. Please refer to the Comprehensive Plan for additional information required per IDAPA 37.03.08.040.05. Also attached are the driller's reports for each City well and the possible capacity expansion for four of those wells.

12. Time required for completion of works and application of water to proposed beneficial use is 2.5 years (minimum 1 year).

13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½" x 11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.

The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.


Signature of Applicant

Sandi Bloem - Mayor
Print Name (and title, if applicable)

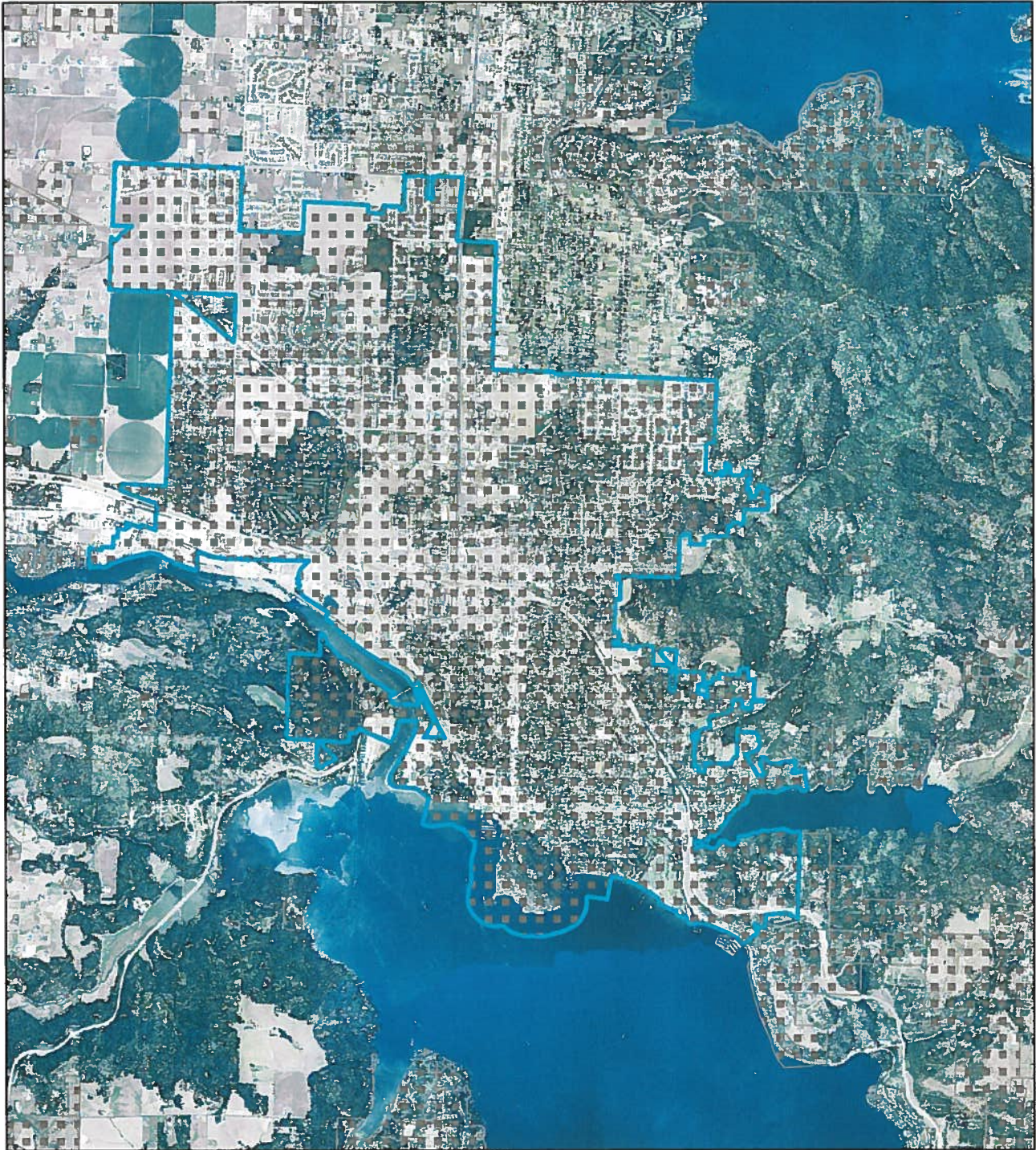

Signature of Applicant

Jennifer Tinkey - Deputy Coeur d'Alene City Attorney
Print Name (and title, if applicable)

For Department Use:

Received by em Date 5-14-13 Time _____ Preliminary check by _____
Fee \$ 570.00 Receipted by em Receipt No. NU 29848 Date 5-14-13

95-16580



Legend

 Application POU

0 0.5 1 2 Miles





CITY OF COEUR D'ALENE

WATER DEPARTMENT

95-16580

3820 RAMSEY ROAD
COEUR D'ALENE, IDAHO 83815
208/769-2210– FAX 208/769-2336

May 8, 2013

RE: Potential Well Capacity Expansion

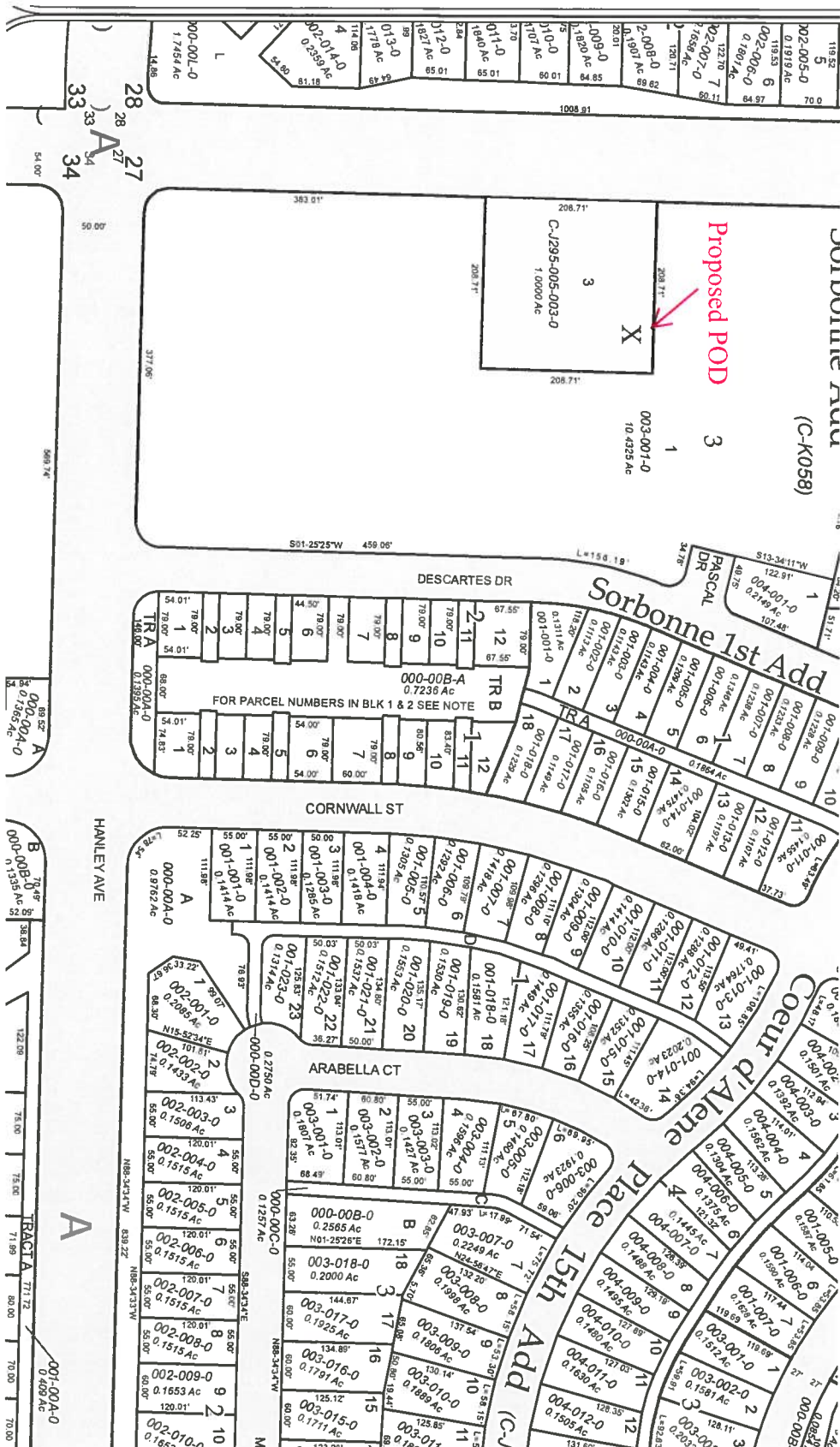
Currently the City of the Coeur d'Alene serves the municipal residents with nine groundwater wells. In order to meet current and future demand and storage requirements, the City of Coeur d'Alene is seeking a new water right which would be utilized by the existing nine wells and a new production well, yet to be drilled.

Four of the existing City of Coeur d'Alene wells could be upgraded to increase their production. These four wells are: Atlas, Hanley, Prairie and Locust. The current pumping capacities of these wells are described in the City of Coeur d'Alene 2012 Water System Comprehensive Plan Update. Specifically Table 3-1: Well and Pump Data which outlines the current flow under "Normal Operating Point."

If these four wells were upgraded to increase their flow beyond their current capacities, the potential upgrades would not exceed the flow described in Table 3-1 under "Original Well Test." The aggregate total of increased possible flow would be an additional 1500 GPM. The City would seek to maximize output from Atlas, Prairie and Locust first as the water quality from the Hanley well is the least desirable.

Summary of Table 3-1 – Well and Pump Data

Well	Original Well Test Flow (GPM)	Normal Operating Point Flow (GPM)
Atlas	6,000	4,480
Hanley	6,000	3,500
Prairie	4,000	3,200
Locust	3,700	3,200





IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

Use Typewriter
VED
Ball Point Pen

1. DRILLING PERMIT NO. 95 - 90 - N - 16 - I
Other IDWR No. 95 - 08647

2. OWNER:

2. OWNER:
Name CITY OF COEUR D'ALENE
Address C 1306 HANLEY
City COEUR D'ALENE State ID Zip 83814

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.



T. 4 North ☒ or South ☐
 E. 4 East ☐ or West ☒
 Sec. 35 NE ☐ NW ☐ SE ☐ SW ☐
 Gov't Lot _____ County KOOTENAI

Address of Well Site 1306 HANLEY
COEUR D'ALENE, ID 83814
(Give at least Direction + Distance to Road or Landmark)

Lot No. _____ Block No. _____ Subd. Name _____

4. PROPOSED USE:

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

5. TYPE OF WORK

☐ New Well ☒ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD

☐ Mud Rotary ☐ Air Rotary ☐ Cable ☒ Other AUGER

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
CEMENT/BENTONITE	338	334	9	GROUT PUMP & TREMI PIPE
5%				

Was drive shoe seal tested? Y ☐ NO ☐ How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Casting	Linear	Steel	Plastic	Welded	Threaded
						☐	☐	☐	☐
						☐	☐	☐	☐
						☐	☐	☐	☐
						☐	☐	☐	☐

Final location of shoes _____

Top Packer or Headpipe _____ Bottom Tailpipe _____

9. PERFORATIONS/SCREENS

☐ Perforations Method _____

☐ Screens Type _____ Material _____

From	To	Slot Size	Number	Diameter	Tel./Pipe Size	Casting	Linear
						☐	☐
						☐	☐
						☐	☐
						☐	☐

NF NW 35 51N 4W

10. WELL TESTS:

☐ Pump ☐ Baller ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Depth	Time

Temperature of water _____ Was a water analysis done? Yes ☐ No ☐

By whom? _____

Water Quality (odor, etc.) _____

Bottom Hole Temperature _____

11. STATIC WATER LEVEL:

ft. below surface Depth artesian flow found _____

Artesian pressure _____ lb. Describe access port _____

Describe Controlling Devices: _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

[illegible]

13. DRILLER'S CERTIFICATION

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

Firm Name PONDEROSA DRILLING Firm No. 228

Firm Official W. H. [Signature] Date 7/20/93

and W. SCOTT BARRATT

Supervisor or Operator Kurt J. Smith Date 7/20/93

(Sign once if Firm Official & Operator) **RON LINNEMON**

FORWARD WHITE COPY TO WATER RESOURCES

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.



RECEIVED

SEP 15 1971

Permit 838453
376968

1. WELL OWNER Name <u>IDAHO WATER CO.</u> Address <u>COEUR D'ALENE IDAHO</u> Owner's Permit No. <u>95-7142</u>		7. WATER LEVEL Department of Water Administration Static water level <u>231</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-39</u> ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____		8. WELL TEST DATA ☒ Pump ☐ Bailer ☐ Other <table border="1"><thead><tr><th>Discharge G.P.M.</th><th>Draw Down</th><th>Hours Pumped</th></tr></thead><tbody><tr><td><u>5000</u></td><td><u>19.5 FT</u></td><td><u>11</u></td></tr><tr><td><u>6000</u></td><td><u>23.2 FT</u></td><td><u>1</u></td></tr></tbody></table>		Discharge G.P.M.	Draw Down	Hours Pumped	<u>5000</u>	<u>19.5 FT</u>	<u>11</u>	<u>6000</u>	<u>23.2 FT</u>	<u>1</u>																									
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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><u>20</u></td><td><u>0</u></td><td><u>255</u></td><td><u>SAND + GRAVEL 1 1/2 MINUS</u></td><td></td><td><u>X</u></td></tr><tr><td><u>20</u></td><td><u>255</u></td><td><u>315</u></td><td><u>SAND + GRAVEL 1" MINUS</u></td><td><u>X</u></td><td></td></tr><tr><td><u>20</u></td><td><u>315</u></td><td><u>340</u></td><td><u>SAND MED.</u></td><td><u>X</u></td><td></td></tr><tr><td><u>20</u></td><td><u>340</u></td><td><u>350</u></td><td><u>SANDY CLAY (BLUE)</u></td><td></td><td><u>X</u></td></tr></tbody></table>		Hole Diam.	Depth		Material	Water		From	To	Yes	No	<u>20</u>	<u>0</u>	<u>255</u>	<u>SAND + GRAVEL 1 1/2 MINUS</u>		<u>X</u>	<u>20</u>	<u>255</u>	<u>315</u>	<u>SAND + GRAVEL 1" MINUS</u>	<u>X</u>		<u>20</u>	<u>315</u>	<u>340</u>	<u>SAND MED.</u>	<u>X</u>		<u>20</u>	<u>340</u>	<u>350</u>	<u>SANDY CLAY (BLUE)</u>		<u>X</u>
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4. METHOD DRILLED ☒ Cable ☐ Rotary ☐ Dug ☐ Other																																					
5. WELL CONSTRUCTION Diameter of hole <u>20</u> inches Total depth <u>350</u> feet Casing schedule: ☒ Steel ☐ Concrete <table border="1"><thead><tr><th>Thickness</th><th>Diameter</th><th>From</th><th>To</th></tr></thead><tbody><tr><td><u>20</u> inches</td><td><u>375</u> inches</td><td><u>+2</u> feet</td><td><u>278</u> feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></table> Was a packer or seal used? ☒ Yes ☐ No Perforated? ☐ Yes ☒ No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation _____ inches by _____ inches <table border="1"><thead><tr><th>Number</th><th>From</th><th>To</th></tr></thead><tbody><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></table> Well screen installed? ☒ Yes ☐ No Manufacturer's name <u>U.O.P. JOHNSON</u> Type <u>STAINLESS</u> Model No. <u>PIPE SIZE 18"</u> Diameter <u>18</u> Slot size <u>1/32 IN.</u> Set from <u>280</u> feet to <u>340</u> feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet 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 ☐ Puddling clay		Thickness	Diameter	From	To	<u>20</u> inches	<u>375</u> inches	<u>+2</u> feet	<u>278</u> feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	Number	From	To	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet
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6. LOCATION OF WELL Sketch map location must agree with written location. 95 County <u>KOOTENAI</u> Govt. Lot <u>1</u> of sec. <u>4</u> Township <u>50N.</u> Range <u>4W</u> _____ 1/4 Sec. _____ T. _____ N/S, R. _____ E/W		10. Work started <u>JUNE 30-71</u> finished <u>AUG 19-71</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>E3410 9TH AVE SPOKANE WN</u> Address <u>Arnold E. Holman</u> <u>SEPT 3-71</u> Signed By																																			

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE, BLUE,

ATLAS

95-71-N-39

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

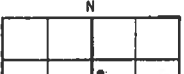
Office Use Only
Inspected by TDK
Twp 51N Rge 04W Sec 26
SW 1/4 SW 1/4 NE 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0005794
 DRILLING PERMIT NO. 95-99-N-0017-000
 Other IDWR No. Water Right # 95-09007

2. OWNER:
Name City of Cour D Alene
Address 719 Mullan Ave
City Court d Alene State ID Zip 83814

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.


 Twp. 51 N North ☐ or South ☐
 Rge. 04 W East ☐ or West ☐
 Sec. 26 SW 1/4 SW 1/4 NE 1/4
 Gov't Lot _____
 County Kootenai
 Lat. : : Long. : :
 Address of Well Site Wilbur St. 1/4
mile west of Highway 95 City Coeur d'Alene
(Give at least name of road + Distance to Road or Landmark)

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/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
Cement grout	0	20	26 sks	Slurry

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 292'

Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
24	+2	292	375	Black Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 10' Length of Tailpipe 20'

9. PERFORATIONS/SCREENS

Perforations	Method
--------------	--------

Screens Screen Type Johnson 304 Stainless

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
295	310	150		22"	Stainless	☐	☐
310	345	100		22"	Stainless	☐	☐
345	370	20		22"	Stainless	☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

252 ft. below ground Artesian pressure lb.

Depth flow encountered _____ ft. Describe access port or control devices: 2" threaded plug

51N 4W 26

11. WELL TESTS:

☒ Pump ☐ Baller ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
4011	1'	253	6 hrs

Water Temp. very cold Bottom hole temp. _____

Water Quality test or comments: Very clear no sand

Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment) Water

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	M
2					
30"	0	6	Brown silty sand + gravel		
30"	6	22	Brown sand + gravel		
24"	22	132	Brown sand + gravel cobbles		
24"	132	260	Brown silty sand + gravel cobbles		
24"	260	332	Brown sand + gravel some silt		X
24"	332	413	Gray sand + silt		
24"	413	425	Gray sand + silty clays		

Completed Depth 390'

Date: Started 2-22-99

(Measurable)

Completed 5-1-99

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 Holt Drilling Inc Firm No. 596

Firm Official Randy Holt Date 5-6-99

and Vikky Lynga
Driver or Operator Wade Iverson Date 5-6-99

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

PRAIRIE

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

Office Use Only
Inspected by TDK
Twp 51N Rge 04W Sec 26
SW 1/4 SW 1/4 NE 1/4
Lat: : : Long: : :
☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

076609

1. WELL TAG NO. D 0005794
DRILLING PERMIT NO. 95-99-N-0017-000
Other IDWR No. water right # 95-09007

2. OWNER:
Name City of Cour d Alene
Address 710 Mullan Ave
City Cour d Alene State ID Zip 83814

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N
W
E
S
Twp. 51 N North ☐ or South ☐
Rge. 04 W East ☐ or West ☐
Sec. 26 SW 1/4 SW 1/4 NE 1/4
Gov't Lot _____ County Kootenai
Lat: : : Long: : :
Address of Well Site Wilbur St. 1/4
mile west of Highway 95 City Cour d Alene
(Give at least name of road - Distance to Road or Landmark)

Li. _____ Blk. _____ Sub. Name _____

4. USE:

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

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

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SEAL/FILTER PACK			AMOUNT		METHOD
Material	From	To	Sacks or Pounds		
Cement grout	0	20	26 SKR		Slurry

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 292'

Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
24	+2	292	375	Black Steel	☒	☐	☒	☐

Length of Headpipe 10' Length of Tailpipe 20'

9. PERFORATIONS/SCREENS

Perforations Method _____

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Yield gal/min.	Drawdown	Pumping Level	Time
4011	1'	253	6 hrs

Water Temp. very cold Bottom hole temp. _____

Water Quality test or comments: very clear no sand

Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
24"	0	6	Brown silty sand + gravel		
30"	6	22	Brown sand + gravel		
24"	22	132	Brown sand + gravel cobbles		
24"	132	260	Brown silty sand + gravel cobbles		
24"	260	332	Brown sand + gravel some silt	X	
24"	332	413	Gray sand + silt		
24"	413	425	Gray sand + silty clays		
			SWL - 252'		
			Top of Pack 284'-6"		
			Drive shoe 292'		
			295		
			310	150 slot	
			345	100 slot	
			370	20 slot	
			390		

Completed Depth 390' (Measurable)

Date: Started 2-22-99 Completed 5-1-99

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 Holt Drilling Inc Firm No. 596

Firm Official Randy Holt Date 5-6-99

Driller or Operator Nade Iverson Date 5-6-99

(Sign once if Firm Official & Operator)

51N 4W 26 FORWARD WHITE COPY TO WATER RESOURCES

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

Office Use Only
Inspected by TDK
Twp 51N Rge 04W Sec 26
SW 1/4 SW 1/4 NE 1/4
Lat: : : Long: : :
☒ Pump ☐ Baller ☐ Air ☐ Flowing Artesian

1. WELL TAG NO. D 0005794
DRILLING PERMIT NO. 95-99-N-0017-000
Other IDWR No. Water Right # 95-09007

2. OWNER:
Name City of Cour D Alene
Address 710 Mullan Ave
City Cour d Alene State ID Zip 83814

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N
W E S
Twp. 51N North ☐ or South ☐
Rge. 04W East ☐ or West ☐
Sec. 26 SW 1/4 SE 1/4 NE 1/4
Gov't Lot _____ County Kootenai
Lat: : : Long: : :
Address of Well Site Wilbur St. 1/4
mile west of Highway 95 City Cour d Alene
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Bk. _____ 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/FILTER PACK			AMOUNT		METHOD
Material	From	To	Sacks or Pounds		
Cement grout	0	20	26 sks		Slurry

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 292'
Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
24	+2	292	375	Black Steel	☒	☐	☒	☐

Length of Headpipe 10' Length of Tailpipe 20'

9. PERFORATIONS/SCREENS

Perforations Method _____
Screens Screen Type Johnson 304 Stainless

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
295	310	150		22"	Stainless	☐	☐
310	345	100		22"	Stainless	☐	☐
345	370	20		22"	Stainless	☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

252 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: 2" threaded plug

11. WELL TESTS:

Yield gal/min	Drawdown	Pumping Level	Time
4011	1'	253	6 hrs

Water Temp. very cold Bottom hole temp. _____
Water Quality test or comments: very clear no sand

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
24"	0	6	Brown silty sand + gravel		
30"	6	22	Brown sand + gravel		
24"	22	132	Brown sand + gravel cobbles		
24"	132	260	Brown silty sand + gravel cobbles		
24"	260	332	Brown sand + gravel some silt		X
24"	332	413	Gray sand + silt		
24"	413	425	Gray sand + silty clays		
			SWL - 252'		
			Top of Packer 28'-6"		
			Drive shoe 292'		
			295		
			210		
			150		
			slot		
			100		
			slot		
			20		
			slot		
			20		
			20		
			390		

Completed Depth 390' (Measurable)
Date: Started 2-22-99 Completed 5-1-99

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 Holt Drilling Inc Firm No. 596

Firm Official Randy Holt Date 5-6-99

and Vicki Truitt
Driller or Operator Nate Iverson Date 5-6-99

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

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:	:

1. WELL TAG NO. D 0033505 **RECEIVED**
 DRILLING PERMIT NO. 810405
 Water Right or Injection Well No. N 016062 **SEP 20 2004**

2. OWNER: **IDWR/North**
 Name City of Coeur d'Alene
 Address 3800 Ramsey Rd
 City Coeur d'Alene State ID Zip 83815

3. LOCATION OF WELL by legal description:

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

Twp. 50 N North ☐ or South ☐
 Rge. 4 W East ☐ or West ☐
 Sec. 12 SW 1/4 NW 1/4 1/4
 Gov't Lot _____ 10 acres 40 acres 160 acres
 County Kootenai

Lat: _____ Long: _____
 Address of Well Site 3rd St and Anne Ave
 City Coeur d'Alene

Li. _____ 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
<u>Bentonite</u>	<u>0</u>	<u>60</u>	<u>8 lb</u>	<u>frmic</u>

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 301

Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>24"</u>	<u>12</u>	<u>301</u>	<u>.375</u>	<u>steel</u>	☒	☐	☒	☐

Length of Headpipe 10 Length of Tailpipe 10

Packer ☒ Y ☐ N Type Neoprene c 293

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method _____

Screen Type & Method of Installation 304 stainless

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
<u>303</u>	<u>343</u>	<u>60</u>		<u>22"</u>	<u>stainless</u>	☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
<u>N/A</u>				

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

187 ft. below ground Artesian pressure _____ lb.

Depth flow encountered 280 ft. Describe access port or control devices: _____

12. WELL TESTS:

☒ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
<u>2500</u>	<u>93</u>	<u>280'</u>	<u>4 hr</u>

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: quality good

Depth first Water Encounter 280

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Water

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
<u>30"</u>	<u>0</u>	<u>60</u>	<u>Brown silty sand + gravel</u>		☒
<u>24"</u>	<u>60</u>	<u>65</u>	<u>Brown silty sand + gravel</u>		☒
<u>24"</u>	<u>65</u>	<u>117</u>	<u>loose brown sand + gravel</u>		☒
<u>24"</u>	<u>117</u>	<u>180</u>	<u>loose brown sand - gravel cobbles</u>		☒
<u>24"</u>	<u>180</u>	<u>235</u>	<u>brown sand some gravel</u>		☒
<u>24"</u>	<u>235</u>	<u>250</u>	<u>brown - gray sand w silty</u>		☒
<u>24"</u>	<u>250</u>	<u>355</u>	<u>brown coarse sand some gravel</u>		☒

RECEIVED
OCT 01 2004
IDWR/North

Completed Depth 353 (Measurable)

Date: Started 2/4/04 Completed 4/20/04

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 Holt Drilling Inc Firm No. 596

Principal Driller Tversun Date _____

and Driller or Operator II _____ Date _____

Operator I Wale Tversun Date 9/9/04

Principal Driller and Rig Operator Required.

WELL LOG AND REPORT TO THE
STATE RECLAMATION ENGINEER OF IDAHO

025364

RECEIVED
JAN 2 5 1960

Log No. Department of Reclamation

Rec. 19

Well No. 95-55-N-1

Permit No. 95-5671

(DO NOT FILL IN)

Owner Idaho Water Co. Address Council Bluffs, Iowa
Driller C. J. Haller Address Des Moines, Iowa Lic. No. 109.123
Location of Well NW 1/4 Sec. 12, T. 50 N., R. 50 W., S. 1/4 Sec. 12
and feet N/S, and feet E/W from Corner of 1/4 1/4 Sec.
Size of Drilled Hole 2 1/2" Total depth of Well 202.
Give depth of standing water from surface 168. Water Temp. 51 °Fahrenheit
On pumping test delivery was 1500 g.p.m. or c.f.s. Drawdown was none feet.
Size of pump and motor used to make the test 100 H.P. Rayon factory Turbine
Length of time pumped during check was 8 hr., minutes.
If flowing well, give flow in c.f.s. or g.p.m. and shut in pressure
If flowing well, describe control works (TYPE AND SIZE OF VALVE, ETC.)
Water will be used for Domestic Weight of casing per linear foot
Thickness of casing 1/4 Casing material steel pipe E.G., PIPE, CONCRETE, WOOD.
Diameter, length and location of casing 2 1/2" Dia. 1/4" Wall, 202 ft.
(CASING 12" IN DIAMETER AND UNDER GIVE INSIDE DIAMETER;
CASING OVER 12" IN DIAMETER GIVE OUTSIDE DIAMETER.)
Number and size of perforations 700 slots 1/4" x 4" located from 175 feet to 200 feet
from surface of ground.
Other perforations
Date of commencement of well May 1 1955 Date of completion of well July 1 1955
Type of well rig

CASING RECORD

DIAM. CASING	FROM FEET	TO FEET	LENGTH	REMARKS -- SEALS, GROUTING, ETC.
2 1/2"	0	202	202	

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

Hand Pump 32' x 32" down. Turbine.
Casing bit run and back filled with
material from excavation.

NW 5W S. 12 50N 4W

025965

WELL LOG

From Feet	To Feet	Type of Material	Drilling Time		Waterbearing Formations Ans. Yes or No	Casing Perforated Ans. Yes or No
			Hrs.	Min.		
0	10	Sand				
10	20	"				
20	30	"				
30	40	"				
40	50	"				
50	60	"				
60	70	"				
70	80	loose pea gravel				
80	90	" " "				
90	100	" " "				
100	110	" " "				
110	120	pea gravel with lime deposits				
120	130	" " " " "				
130	140	" " " " "				
140	150					
150	160	" " " " "				
160	170					
170	180	" " " " "				
180	190					
190	200	" " " " "				
200	210					

If more space is required use Sheet No. 2

WELL DRILLERS STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed E. J. Waller

By _____

Dated Jan 18, 1960License No. 708123



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

GARY SPACKMAN
Director

June 13, 2013

CITY OF COEUR D ALENE
WATER DEPARTMENT
3820 RAMSEY RD
COEUR D ALENE, ID 83815

Application For Permit No. 95-16580

Dear Applicant(s):

The Department of Water Resources has received your water right application. Please refer to the number referenced above in all future correspondence regarding this application.

A legal notice of the application has been prepared and is scheduled for publication in the COEUR D ALENE PRESS on 6/20/2013 and 6/27/2013. Protests to this application may be submitted for a period ending ten (10) days after the second publication.

If the application is protested, you will be sent a copy of each protest. All protests must be resolved before the application can be considered for approval. If the protest(s) cannot be resolved voluntarily, the Department will conduct a conference and/or hearing on the matter.

If the application is not protested, the Department will process your application and notify you of any action taken on the application. If your application is approved, the Department will send you a copy of the permit.

Please contact this office if you have any questions regarding the application.

Sincerely,

Keith Franklin
Program Manager

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

95-16579

CRYSTAL CREEK LLC

PO BOX 949

HAYDEN, ID 83835

Point of Diversion SWSE S20 T51N R05W KOOTENAI CO

Source GROUND WATER

Use: DOMESTIC 01/01 to 12/31 0.17 CFS

Total Diversion: 0.17 CFS

Date Filed: 4/12/2013

Place of Use: DOMESTIC T51N R05W S20 SWSE SESE

Domestic use is for 9 homes

95-16580

CITY OF COEUR D ALENE

3820 RAMSEY RD

COEUR D ALENE, ID 83815

Point of Diversion SWSW S27 T51N R04W KOOTENAI CO

Point of Diversion L9(SWSW) S1 T50N R04W KOOTENAI CO

Point of Diversion L1(NENE) S4 T50N R04W KOOTENAI CO

Point of Diversion L6(SWNW) S12 T50N R04W KOOTENAI CO

Point of Diversion L5(NWSW) S12 T50N R04W KOOTENAI CO

Point of Diversion L4(SWSW) S12 T50N R04W KOOTENAI CO

Point of Diversion SWNE S26 T51N R04W KOOTENAI CO

Point of Diversion NENE S28 T51N R04W KOOTENAI CO

Point of Diversion NENWNW S35 T51N R04W KOOTENAI CO

Point of Diversion SESW S36 T51N R04W KOOTENAI CO

Source for all Points of Diversion GROUND WATER

Use: MUNICIPAL 01/01 to 12/31 9 CFS

Total Diversion: 9 CFS

Date Filed: 5/14/2013

Place of Use: MUNICIPAL

Municipal use is within service area of applicant.

95-16585

PAUL DICKERSON

DEBBIE DICKERSON

2816 S PITTSBURG

SPOKANE, WA 99203

Point of Diversion L1(NWNW) S36 T50N R04W KOOTENAI CO

Source COEUR D ALENE LAKE tributary SPOKANE RIVER

Use: DOMESTIC 01/01 to 12/31 0.04 CFS

Total Diversion: 0.04 CFS

Date Filed: 6/4/2013

Place of Use: DOMESTIC T50N R04W S36 L1(NWNW)

Domestic use is for 1 home.

Permits will be subject to all prior water rights. For additional information concerning the property location, contact Northern Region office at (208) 762-2800. Protests may be submitted based on the criteria of Idaho Code § 42-203A. Any protest against the approval of this application must be filed with the Director, Dept. of Water Resources, Northern Region, 7600 Mineral Drive, Suite 100, Coeur D' Alene ID 83815 together with a protest fee of \$25.00 for each application on or before 7/8/2013. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director

Published on 6/20/2013 and 6/27/2013

Ball, Dianne

From: Ball, Dianne
Sent: Thursday, June 13, 2013 2:59 PM
To: Legal Notices-CdA Press; Legal Notices-CdA Press - Amber Tice
Subject: Application for Permit No. 95-16579, 95-16580, 95-16585
Attachments: LegalNotice 06-13-13 e-mail CDA 95-16579, 16580, 16585.doc

Good afternoon, Amber,

Please publish the attached legal notice on the dates indicated, June 20 and 27, 2013 (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

This is set for 2-column layout.

Please send a proof/preview copy for my review before this goes to press.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before 7/8/2013. Your cooperation is greatly appreciated.

If you have any questions, please call me or reply to this e-mail.

Thanks for all your wonderful help with our legals, and have a great rest of the day.

Dianne Ball

Administrative Assistant
Idaho Department of Water Resources
7600 N Mineral Dr., Ste. 100
Coeur d'Alene, ID 83815
208-762-2800 Fax 208-762-2819

Franklin, Keith

From: TINKEY, JENNIFER [JTINKEY@cdaid.org]
Sent: Wednesday, May 22, 2013 11:13 AM
To: Franklin, Keith
Subject: Fwd: City of Coeur d'Alene Application For Permit
Attachments: Atlas Drilling Report.pdf; ATT00001.htm

Keith,

Here is the info you requested.

Thank you,
Jennifer

Begin forwarded message:

From: "PICKEL, TERRY" <TPICKEL@cdaid.org<<mailto:TPICKEL@cdaid.org>>>
To: "TINKEY, JENNIFER" <JTINKEY@cdaid.org<<mailto:JTINKEY@cdaid.org>>>
Subject: RE: City of Coeur d'Alene Application For Permit

Hi Jennifer,

Per the test well log (attached), it will be the SW quarter (40) of the SW quarter (160).

Thanks,

Terry W. Pickel
Assistant Water Superintendent
City of Coeur d'Alene

From: TINKEY, JENNIFER
Sent: Tuesday, May 21, 2013 1:02 PM
To: PICKEL, TERRY
Subject: Fwd: City of Coeur d'Alene Application For Permit

Can you look at this?

Thanks,
Jennifer

Begin forwarded message:

From: "Franklin, Keith"
<Keith.Franklin@idwr.idaho.gov<<mailto:Keith.Franklin@idwr.idaho.gov>><<mailto:Keith.Franklin@idwr.idaho.gov>>>
Date: May 21, 2013, 12:37:34 PM PDT
To: "TINKEY, JENNIFER"
<JTINKEY@cdaid.org<<mailto:JTINKEY@cdaid.org>><<mailto:JTINKEY@cdaid.org>>>
Subject: City of Coeur d'Alene Application For Permit Jennifer, For a point of diversion on the application in Section 27, Township 51 North, Range 4 West, it needs to be located in a 40 acre quarter quarter. The application just shows it in the SW ¼. Please see the attachment and let me know which quarter quarter it will be in.
Thank you.
Keith Franklin

Franklin, Keith

From: Franklin, Keith
Sent: Tuesday, May 21, 2013 12:38 PM
To: 'TINKEY, JENNIFER'
Subject: City of Coeur d'Alene Application For Permit
Attachments: DOC.pdf

Jennifer,

For a point of diversion on the application in Section 27, Township 51 North, Range 4 West, it needs to be located in a 40 acre quarter quarter. The application just shows it in the SW ¼. Please see the attachment and let me know which quarter quarter it will be in.

Thank you.

Keith Franklin

Program Manager Northern Region