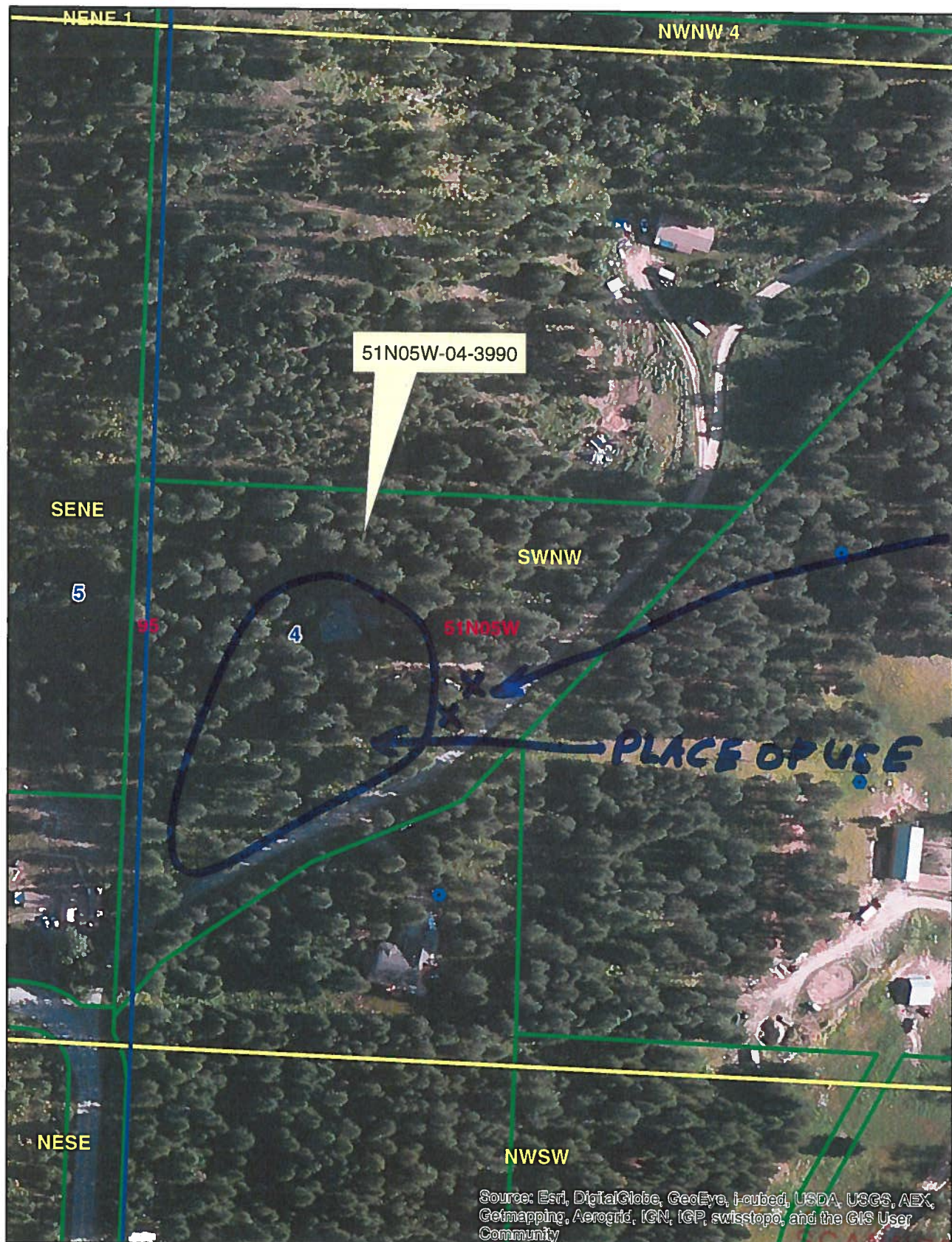


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H.M.
95-16779 MILLS KOOTENAI PARCEL 51N05W-04-3990



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Form 238-7 1 8 1999
11/97

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

076747

Office Use Only	
Inspected by	Assessor
Twp. 51N	Rge. 5W Sec 4
1/4 SW 1/4 NW 1/4	
Lat: : : Long: : :	

IDWR/North

1. WELL TAG NO. D 0010611

DRILLING PERMIT NO. 75-99-N-157 SEP 28 1999

Other IDWR No.

2. OWNER:

IDWR/North

Name Carl Mazurik

Address 4705 N. Ormond Rd.

City Otis Orchards State WA Zip 99027

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N		Twp. 52 North ☒ or South ☐	
Rge. 5 East ☐ or West ☒		Sec. 35 1/4 SW 1/4 SW 1/4	
Gov't Lot		County Kootenai	
Lat: : : Long: : :			

Address of Well Site 1st left on

N. Reflections Rd.

City

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	
Bentonite	0	19	250#	overbore

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
6"	+1	19	250	Steel	☒	☐	☐	☐
4"	5	375	160	PVC	☐	☒	☐	☐

Length of Headpipe Length of Tailpipe

9. PERFORATIONS/SCREENS

Perforations Method saw cut 1/8"x 6"

Screens Screen Type

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
360	370		75			☐	☒

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

84 ft. below ground Artesian pressure lb.

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

11. WELL TESTS:

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
1.5			

Water Temp.

Bottom hole temp.

Water Quality test or comments:

Depth first Water Encounter 80'

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
8	0	6	Soil, sand, tan		x
8	6	13	Shale, decomposed		x
8	13	17	Shale, tan, soft		x
8	17	19	Shale, tan, medium		x
6	19	49	Shale, brown		x
6	49	65	Shale, tan w/brn lenses		x
6	65	80	Shale, tan w/grey, lenses	x	
6	80	93	Shale, dark grey		x
6	93	100	Shale, grey, medium		x
6	100	126	Shale, lt. grey		x
6	126	143	Shale, lt. green argillite	x	
6	143	152	Shale, black & white, hard		x
6	152	163	Shale, green		x
6	163	175	Shale, black & white, med.		x
6	175	210	Shale, white w/black lenses		x
6	210	218	Shale, black w/white lenses		x
6	218	259	Shale, black		x
6	259	273	Shale, white, feldspar		x
6	273	280	Shale, black & white		x
6	280	287	Shale, grey/green		x
6	287	290	Shale, back w/white lenses		x
6	290	324	Shale, black & white, hard	x	
6	324	327	Shale, blk & wht w/rose		x
6	327	330	Shale, blk & wht w/rose, hard		x
6	330	347	Shale, black & white, soft		x
6	347	375	Shale, black & white		x

Hole bottom dia. 5-13/16"

Completed Depth 375' (Measurable)

Date: Started 9/16/99 Completed 9/20/99

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 McCarty Drilling & Pump Inc. Firm No. 586

Firm Official [Signature] Date 9-23-99

and Driller or Operator Date

(Sign once if Firm Official & Operator)

51 N 5W 4

FORWARD WHITE COPY TO WATER RESOURCES

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IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

1. WELL TAG NO. D 0060875
Drilling Permit No. 81027102
Water right or injection well # _____

2. OWNER:
Name Hendrik Mills
Address 13859 N. Reflections Rd.
City Rathdrum State ID Zip 83858

3. WELL LOCATION:
Twp. 51 North ☒ or South ☐ Rge. 05 East ☐ or West ☒
Sec. 4 1/4 SW 1/4 NW 1/4

Gov't Lot _____ County Kootenai
Lat. N47° 47.849 (Deg. and Decimal minutes)
Long. W116° 58.773 (Deg. and Decimal minutes)
Address of Well Site 13859 N Reflection Rd
City Rathdrum
Lot _____ Blk. _____ Sub. Name _____

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

5. TYPE OF WORK:
☒ New well ☐ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other _____

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

Seal material	From (ft)	To (ft)	Quantity (lbs or ft)	Placement method/procedure
Bentonite	0	40	1200 lbs	overbored

8. CASING/LINER:				
Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material
6	+1 1/2	40	.250	Steel
4	-23	780	Sch 40	PVC

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

9. PERFORATIONS/SCREENS:
Perforations ☒ Y ☐ N Method Saw Cut
Manufactured screen ☐ Y ☒ N Type _____
Method of installation Placed at Bottom Hole

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
780	720	1/4x1/2	1	4	PVC	Sch 40

Length of Headpipe N/A Length of Tailpipe N/A
Packer ☐ Y ☒ N Type N/A

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft)	Placement method
NOAC				

11. FLOWING ARTESIAN:
Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) N/A
Describe control device N/A

12. STATIC WATER LEVEL and WELL TESTS:
Depth first water encountered (ft) 345' Static water level (ft) 230'
Water temp. (°F) _____ Bottom hole temp. (°F) _____
Describe access port _____

Well test:	Test method:
Drawdown (feet)	Pump ☐ Bailor ☐ Air ☒ Flowing artesian ☐
Discharge or yield (gpm)	
Test duration (minutes)	
<u>7160</u>	<u>3.5</u> <u>90 min</u>

Water quality test or comments: _____

13. LITHOLOGIC LOG and/or repairs or abandonment:					
Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
10"	0	7	Soil		X
10"	7	24	Decomposed Granite		X
10"	24	40	Shist		X
6	40	345	Shist		X
6	345	347	Fractured Shist 1/4" Gm	X	
6	347	440	Shist		X
6	440	447	Fractured Shist with Quartz		X
6	447	732	Shist		X
6	732	737	Fractured Shist 3/4" Gm	X	
6	737	780	Shist		X
			</		

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IDWR / NORTH

Completed Depth (Measurable):
Date Started: 1-3-12 Date Completed: 1-6-12

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 Horsley Drilling Co. No. 632
Principal Driller A. Mark Harley Date 1-8-12
Driller _____ Date _____
Operator II Josh Harley Date 1-8-12
Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.

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