

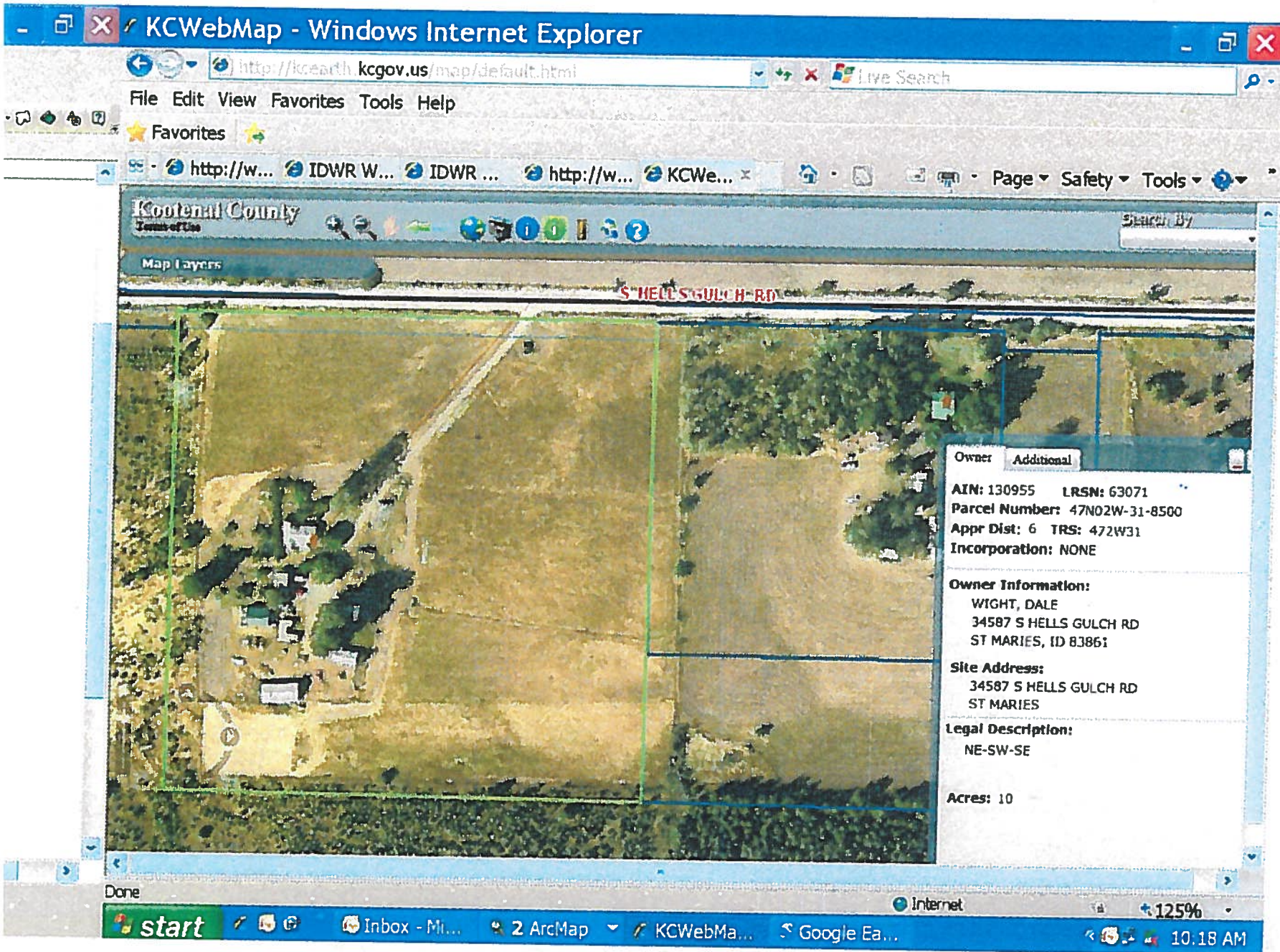


34587 S Hells Gulch

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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 D0028936DRILLING PERMIT NO. 2Water Right or Injection Well No. 808802

2. OWNER:

Name Dale Wight
Address 34587 South Hells Gulch Rd.
City St. Maries State ID Zip 83861

3. LOCATION OF WELL by legal description:

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

Twp. 47 North ☒ or South ☐
Rge. 2 East ☐ or West ☒
Sec. 31 N/E 1/4 S/W 1/4 S/E 1/4
Gov't Lot _____ County KootenaiLat: _____ Long: _____
Address of Well Site 2 miles East on Hells Gulch
Rd. from Hwy. 3 City St. Maries

Lt. _____ Blk. _____ Sub. Name _____

4. USE:

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

5. TYPE OF WORK check all that apply

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____ (Replacement etc.)

6. DRILL METHOD:

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	0	38	115X	Pour Around Pipe

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 38
Was drive shoe seal tested? ☒ Y ☐ N How? Air

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	-38	250	Steel	☒	☐	☒	☐
4"	-12	-276	160	PVC	☐	☒	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☒ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method Drill

Screen Type & Method of Installation _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
226	246	1"	18	4"	PVC	☐	☒
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
none				

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

179 ft. below ground Artesian pressure _____ lb.
Depth flow encountered 220 ft. Describe access port or control devices: well cap

47N 2W 31

12. WELL TESTS:

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
89pm	Airlift from 276		

Water Temp. 540 Bottom hole temp. _____
Water Quality test or comments: Clear no odor

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia	From	To	Remarks: Lithology, Water Quality & Temperature	Water
8"	0	8	Clay - Tan	
	8	14	Clay - Brown	
	14	38	Basalt - Gray	
6"	38	48	Basalt - Gray	
	48	70	Basalt - Gray w/ clay	
	70	78	Basalt - Gray	
	78	102	Basalt - Brown w/ Brown clay	
	102	107	Basalt - Gray	
	107	123	Basalt - Brown w/ Brown clay	
	123	190	Basalt - Gray	
	190	199	Basalt - Gray w/ gray clay	
	199	220	Basalt - Gray	
	220	225	Basalt - Gray w/ water	
	225	272	Basalt Gray	
	272	275	Basalt Gray w/ water	
	275	276	Clay Tan	

RECEIVED

OCT 23 2003

IDWR North

Completed Depth 276 (Measurable)Date: Started 9-20-03 Completed 9-21-03

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 All-Ways Drilling Inc. Firm No. 510Principal Driller Stanley Kwole Date 10-10-03Driller or Operator II Alvin Carri Date 10-10-03

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.			
Inspected by			
Twp	Rge	Sec	
1/4	1/4	1/4	
Lat:	:	Long:	:

1. WELL TAG NO. D 807036 - First well
DRILLING PERMIT NO. Aband. 033400
Water Right or Injection Well No. perm # 808801

2. OWNER:

Name Dale Wright
Address 34587 South Hells Gulch Rd.
City St. Maries State ID Zip 83861

3. LOCATION OF WELL by legal description:

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

Twp. 47 North ☒ or South ☐
Rge. 2 East ☐ or West ☒
Sec. 31 NE 1/4 SW 1/4 SE 1/4
Gov't Lot _____ County Kootenai

Lat: _____ Long: _____
Address of Well Site 2 Miles east on Hells Gulch Rd.
from Hwy 3 City St. Maries

Li. _____ Blk. _____ Sub. Name _____

4. USE:

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

5. TYPE OF WORK check all that apply

☒ New Well ☐ Modify ☒ Abandonment ☐ Other _____ (Replacement etc.)

6. DRILL METHOD:

☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	0	30	95x	Pour Around Pipe

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 30'

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

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	-2	30	250	Steel	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☒ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method none

Screen Type & Method of Installation

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
<u>none</u>						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
<u>none</u>				

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

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

12. WELL TESTS:

☐ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
<u>Dry Hole</u>			

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: _____

3. LITHOLOGIC LOG: (Describe repairs or abandonment) _____ Depth first Water Encounter _____

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
8"	0	5	Top Soil		
	5	30	Basalt-Gray		
6"	30	55	Basalt-Gray		
	55	65	Basalt-Gray-soft		
	65	73	Basalt-Brown-soft		
	73	84	Basalt-Gray-soft		
	84	87	Basalt-Brown-soft		
	87	123	Basalt-Gray-soft		
	123	175	Basalt-Gray-Hard		
	175	204	Basalt-soft-Brown		
	204	245	Basalt-Gray-Hard		
	245	250	Clay-Red		

Cut 6" casing off
2' Below ground level
Plugged hole w/ chlorinated
cuttings to -25'
filled with Bentonite
to ground level

RECEIVED

OCT 23 2003

IDWR North

Completed Depth _____ (Measurable)

Date: Started 9-19-03 Completed 9-19-03

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 All-ways Drilling Inc. Firm No. 510

Principal Driller Stank Kwole Date 10-10-03

Driller or Operator II Alvin Carris Date 10-10-03

Operator I _____ Date _____

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

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 00028352 **RECEIVED**
DRILLING PERMIT NO. 802149
Water Right or Injection Well No. JUN 11 2003

2. OWNER: **IDWR/North**
Name Dale Wight
Address 34587 South Hells Gulch Rd.
City St. Maries State ID Zip 83861

3. LOCATION OF WELL by legal description:

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

Twp. 47 North ☒ or South ☐
Rge. 2 East ☐ or West ☒
Sec. 31 N/E 1/4 S/W 1/4 S/E 1/4
Gov't Lot 40 acres County Kootenai

Lat. : : Long. :
Address of Well Site 2 miles East on Hells Gulch Rd. from Hwy 3 City St Maries
(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 Material	From	To	Weight / Volume	Seal Placement Method
<u>Bentonite</u>	<u>0</u>	<u>25</u>	<u>8 SX</u>	<u>Pour Around Pipe</u>

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 39

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

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>6"</u>	<u>+1</u>	<u>39</u>	<u>250</u>	<u>Steel</u>	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☒ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method _____

Screen Type & Method of Installation _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
	<u>none</u>					☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
<u>none</u>				

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

162 ft. below ground Artesian pressure _____ lb.
Depth flow encountered 192 ft. Describe access port or control devices: well cap

47 N 2W 31

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

12. WELL TESTS:

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
<u>189 gpm</u>	<u>Air lift from 200'</u>		
<u>1.5 gpm</u>			

Water Temp. 50° Bottom hole temp. _____

Water Quality test or comments: cloudy no odor

Depth first Water Encounter 192

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water	Y	N
<u>8"</u>	<u>0</u>	<u>3</u>	<u>Top Soil</u>			
	<u>3</u>	<u>10</u>	<u>clay Red</u>			
	<u>10</u>	<u>16</u>	<u>clay Tan</u>			
	<u>16</u>	<u>24</u>	<u>clay Brown w/Basalt</u>			
	<u>24</u>	<u>39</u>	<u>Basalt - Gray</u>			
	<u>39</u>	<u>59</u>	<u>Basalt - Gray</u>			
	<u>59</u>	<u>65</u>	<u>Basalt - Gray - Soft</u>			
	<u>65</u>	<u>117</u>	<u>Basalt - Gray</u>			
	<u>117</u>	<u>125</u>	<u>Basalt - Gray - Soft</u>			
	<u>125</u>	<u>143</u>	<u>Basalt - Brown - Soft</u>			
	<u>143</u>	<u>147</u>	<u>clay - Tan - Soft</u>			
	<u>147</u>	<u>192</u>	<u>Basalt - Gray</u>			
	<u>192</u>	<u>193</u>	<u>Basalt - gray - w/water</u>			
			<u>1 gpm.</u>			
	<u>193</u>	<u>200</u>	<u>clay - tan - Hard</u>			
	<u>200</u>	<u>202</u>	<u>clay - Green</u>			
	<u>202</u>	<u>206</u>	<u>clay - Tan</u>			
	<u>206</u>	<u>245</u>	<u>clay - tan - Soft</u>			
	<u>245</u>	<u>290</u>	<u>clay - Red</u>			
	<u>290</u>	<u>420</u>	<u>clay - Tan - Soft</u>			
	<u>420</u>	<u>450</u>	<u>clay - light-green</u>			
	<u>450</u>	<u>475</u>	<u>clay - light-gray</u>			
	<u>475</u>	<u>500</u>	<u>shale - gray - Soft</u>			
	<u>500</u>	<u>550</u>	<u>clay - Tan w/shale</u>			

Completed Depth 550 (Measurable)

Date: Started 5-20-03 Completed 5-23-03

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 All-Way Drilling Inc. Firm No. 510

Principal Driller Stanley & wife Date 6-2-03

and Driller or Operator II Alvin Curtis Date 6-2-03

Operator I _____ Date _____

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

FORWARD WHITE COPY TO WATER RESOURCES

91-7408 WIGHT



47N02W-31-8500