GV

Approved Stock Form—State Publishing Co., Helena, Montana—41339

File No.....

T 22 R 20

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
OCT 1 1963
STATE ENGINEER

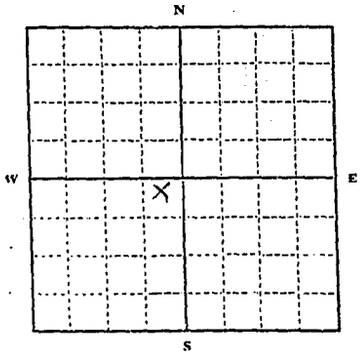
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Emma M. Jorgenson, of Polson Montana
(Name of Appropriator) (Address) (Town)

County of Lake State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N½ SW¼ ¼ Sec. 5 T 22 R 20

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based House & Stock watering

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Nov. 1944

4. The amount of groundwater claimed (in miner's inches or gallons per minute) not measured, est. at 600 Gals. per hour

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump N½ S.W.¼ of Sec. 5-T-22-R-20 W

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Nov. 1944

8. The depth of water table About 85 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater About 85 ft.

10. The estimated amount of groundwater withdrawn each year For House & watering Stock.

11. The log of formations encountered in the drilling of each well if available Rock formation.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Water used for household & stock watering

Signature of Owner Emma M. Jorgenson.

Date Sept 25, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

6110

R244

161379

Water Report

Emma M Jorgson

to

The Public

STATE OF MONTANA }
County of Lake, }
Filed on the 21 day of Oct
A. D. 1963 at 11:52 o'clock A M
HAZEL KINNICK
County Clerk and Recorder
By G. Cowan
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—45642

RECEIVED

File No.....

T 22N R 20W

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner JoANN P. McNeil &/or Charles B. McNeil Address Polson, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 3/9/67 Date completed 3/18/67

Type of well Drilled (Dug, driven, bored or drilled) Equipment used Cable Tools & Air Rotary (Churn drill, rotary or other)

Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☒ Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

LOG

Top of Ground

(Elev. above sea level Approx. 2963'.....)

Formations Log:

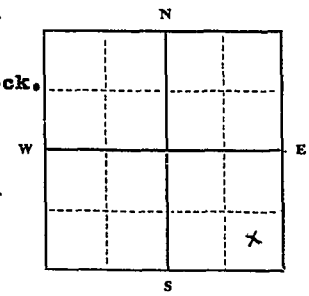
0 - 1 Black dirt.
1 - 30 Tan clay.
30 - 49 Tan silty clay and some gravel.
49 - 58 Silty sand & fine gravel, some tan clay. Seeps of silty water.
58 - 71 Tan clay, gravel & cobblestones.
71 - 107 Tan silty clay & gravel mixed.
107 - 120 Gravel imbedded in tan clay.
120 - 127 Hard blue rock.
127 - 143 Hard green rock.
143 - 144 Fractured tan rock. Water 1½ GPM
144 - 151 Hard green rock.
151 - 152 Fractured tan rock. Water ½ GPM
152 - 164 Hard green rock.
164 - 166 Fractured tan rock. Water 1 GPM
166 - 217 Hard green rock.
217 - 221 Fractured tan rock. Water 6 GPM
221 - 224 Hard green rock.

Water rises in the well one foot from surface.

210471, 1486
June 27, 1973
1:47 p.m.

Located at westerly corner of appropriators dwelling which is the place of use

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x ¼"	+1½	120	NONE		



Lot 1 ¼ Sec. 5 T22N R 20W

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 1 feet.

Shut-in Pressure for Flowing Well Non-f.

Pumping Water Level 90 feet at 9 gal. per minute.

Discharge in gal. per min. of flowing well Non-flowing

How Tested Air Lift Pump

Length of Test Three hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well from cracks and seams in the rock below 143 feet.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

0.22 acres, more or less. Domestic and irrigation

Show exact depth of bottom.

Bottom of hole 224'

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

52
Driller's License Number

William L. Osborne
Driller's Signature.

54034

210471

R- 1486

CHARLES B. &/or
JOANN P. McNEIL

TO

THE PUBLIC

WELL REPORT

STATE OF MONTANA }
County of Lake } ss

Filed on the 27 day of June
A.D. 1973 at 1:47 o'clock P M

ETHEL M. HARDING
County Clerk and Recorder

By Jewell Beck
Deputy

22N-20W

5

RECEIVED

JUN 28 1973

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

GW-1 Revised 1969
STATE PUBLISHING CO.—LITHO

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF APPROPRIATION OF GROUNDWATER

(Under Chapter 237, Montana Session Laws, 1961, as amended)

After filing a notice of appropriation, in order to acquire a right based thereon, the person must, within ninety (90) days, commence actual excavation and diligently prosecute construction of a well and, upon its completion, file a notice of completion with the County Clerk of the county in which the appropriation is located.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

1. I, Charles B. McNeil and JoAnn P. McNeil, of Polson, Montana
(Name of Appropriator) (Address) (Town)

County of Lake, State of Montana, intend to appropriate goundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is domestic and irrigation

(describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed
9 gallons per minute

The estimated amount of groundwater to be used annually 525,600 gallons

4. The annual period (inclusive dates) of intended use January 1 through and including December 31.

5. The probable or intended date of first beneficial use March 18, 1967

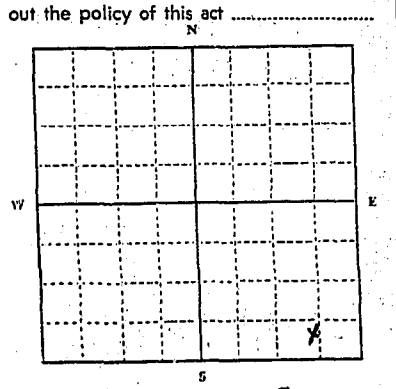
6. The probable or intended date of commencement and completion of the well* or wells*
March 9, 1967

7. The location, type, size and depth of well or wells contemplated The westerly corner of appropriator's dwelling in Lot 1, Section 5, Township 22 North, Range 20 West; drilled, 6-inch, 224 feet depth

8. The probable or estimated depth of the water-table or artesian aquifer 143 feet - 224 feet

9. The name, address, and license number of the driller engaged Liberty Drilling Company
Missoula, Montana

10. Give such other similar information as may be useful in carrying out the policy of this act



Lot ¼ ¼ Sec. 5

T. 22 N. N/S R. 20 W. E/W

LOCATE WELL OR OTHER MEANS OF DEVELOPMENT AS ACCURATELY AS POSSIBLE ON THE PLAT.

For Administrator's Use

File 210470 1485

June 27, 1973 1:45 pm

Signature of Appropriator Charles B. McNeil / JoAnn McNeil Date March 18, 1967

*As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

546.33

210470

B- 1485

CHARLES B. & JOAN P. [illegible]

TO

THE PUBLIC

NOTICE OF APPROPRIATION OF GROUNDWATER

STATE OF MONTANA } ss
County of Lake

Filed on the 27 day of June
A.D. 19 [illegible] at 1:45 o'clock P M
ETHEL M. HARDING
County Clerk and Recorder
By Jewell Denk
Deputy

W 3

Approved Stock Form—State Publishing Co., Helena, Montana—39089

File No.....

T. 22 N. R. 22 and 20

DUPLICATE

County Lake

RECEIVED
DEC 19 1963
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Dec. 1, 1953

Owner Lessater L. & Mary D. James Address Polson, Montana

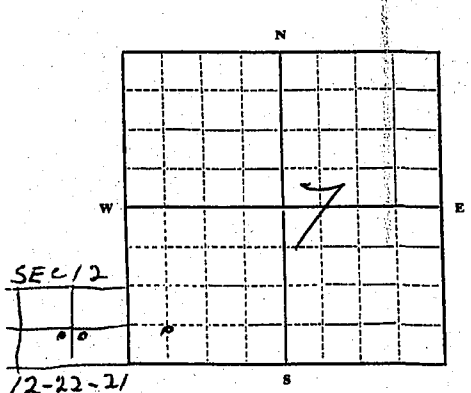
Contractor (if any) None

Address of Contractor .....

Date Started Natural Date Completed 12/1/53

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable

Springs



SW¼ SW¼ Sec. 7 T. 22 R. 20

Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use

Continuous

Signature of Owner Lester L. James Mary D. James

Date 12/6/63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

10358

Lake

Lester D. James

s is

Lester D James

6th December 63

N B Coppedge

Polson, Montana

May 15,1965

R351

162484

Waterlease

Lester D Murphy James

James

STATE OF MONTANA } ss
County of Lake,
Filed on the 13 day of Dec
A. D. 196 3 at 12:55 o'clock P. M.
HAZEL KINNIE
County Clerk and Recorder
By [illegible] Deputy

22N-20W 8/

County Lake

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
MAY 14 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the **owner** with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner: James Dean Bailey / Lovie B. Bailey

Address: Rt. 1 Box 207, Polson, Mont.

Date well started: January 28,1963

completed: January 28,1963

For Administrator's Use
File 209562;R1451
May 11, 1973
GW 1 12:30 p.m.

Type of well: Cable Drilled (Dug, driven, bored or drilled)

Equipment used: Cable Tool (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

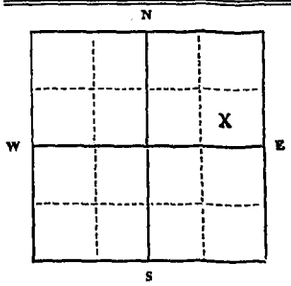
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL 45,300,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6 5/8"OD x 19#	1'2"	233' 10"	N O N E		



Static water level 17' ft.*
Pumping water level 158' ft.*
at 15 gallons per minute,
measured 90 minutes after pumping began.
*Measured from ground level.
Well developed by bailer for 34 hours.
Power diesel Pump 150 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through the open bottom of the six inch casing. Wells in this area can be depended upon to produce (CONT.)

SE ¼ NE ¼ Sec. 8
T. 22 N R. 20 W

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature: [signature]

Driller's Address: LIBERTY DRILLING & PUMP CO.

KALISPELL, MONTANA 59901 LICENSE NO. 52

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground Approx. (Elev. above sea level) 2950

From (Feet)	To (Feet)	
0	1	Topsoil
1	6	Tan silty clay.
6	63	Tan silty clay with gravel embedded.
63	68	Sand gravel and clay mixed. Some water.
68	75	Big gravel, sand, some tan Seeps of water to surface.
75	171½	Tan silty sandy clay with gravel embedded.
171½	174	Dirty sand and gravel Very silty Water not clear.
174	186	Tan silty clay with gravel embedded.
186	197	Cemented gravel.
197	233	Grown clay with gravel embedded.
233	234	Clean coarse sand and gravel

234' Show exact depth of bottom

53142

clear sand free water as long as they are not overpumped, i.e., they should be pumped at rates not in excess of 50 to 60 percent of the tested capacity of the aquifer.

209562

R- 1451

JAMES DEAN BAILEY

TO

THE PUBLIC

WELL REPORT

STATE OF MONTANA } SS
County of Lake

Filed on the 11 day of May
A. D. 19 73 at 12:23 o'clock P M
County Clerk and Recorder
By Jewell Bell
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—42325

File No. ..... STATE WATER CONSERVATION BOARD T. 22N R. 20W

DUPLICATE NOV 21 1966 County Lake

LOG Bills ..... McDermott ..... STATE OF MONTANA
Butzerin ..... Mitchell ..... ADMINISTRATOR OF GROUNDWATER CODE
Cavin ..... Morton ..... OFFICE OF STATE ENGINEER
Sullivan

Top of Ground Approx.
(Elev. above sea level 3150')

Formations Log:
0 - 1 Black dirt.
1 - 29 Cobblestones & boulders imbedded in tan clay.
29 - 41 Sand, gravel & cobblestones mixed in tan clay.
41 - 58 Cemented gravel.
58 - 71 Brown silty sand.
71 - 83 Cemented sand & gravel.
83 - 93 Sand, gravel & some tan clay.
93 - 108 Coarse sand & fine gravel. Some water.
108 - 115 Medium coarse sand and gravel.
115 - 124 Fine sand mixed with coarse gravel.
124 - Rock.

Water rises in the well 76 feet from surface.

Show exact depth of bottom.
Bottom of hole 124'

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Keith W. McCurdy Address Polson, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

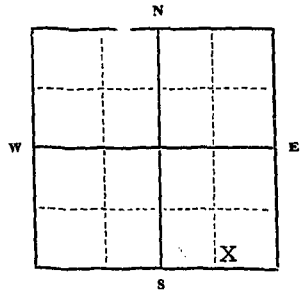
Date well started 10/4/66 Date completed 10/18/66

Type of well Drilled (Dug, Driven, bored or drilled) Equipment used Cable Tools (Churn drill, rotary or other)

Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐ Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x ¼"	+1½	110	Shop made	108	124
				with twenty four 2½" by 3/16 inch horizontal slots are cut in screen	110	124



S½W½W½SE¼ SE¼ ¼ Sec. 8 T. 22N R. 20W

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 76 feet.

Shut-in Pressure for Flowing Well Non-f.

Pumping Water Level 106 feet at 125 gal. per minute.

Discharge in gal. per min. of flowing well Non-flowing

How Tested Air Lift Pump

Length of Test Seven hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) A shop made screen is set from 108' to 124'. Approximately twenty four 2½ inch by 3/16 inch horizontal slots are cut in screen from 110 feet to 124 feet. A steel plate is solidly welded in bottom of screen. All water entering well is coming through (Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

52
Driller's License Number

William F. Osborne
Driller's Signature

41,617

the slots in screen.

Note:

Wells with screened completions in this area can be depended upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates less than 25 to 50 % of the tested capacity of the aquifer.

STATE OF MONTANA } ss
County of Lake
Filed on the 17 day of Nov
A. D. 1966 at 5:00 o'clock P M
HAZEL KINNICK
County Clerk and Recorder
by Lorraine Christensen
Deputy

R049
17773
Water Report
Keith W. McCurdy
to
The Public

22N-20W 8

County Lake

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
MAR 21 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Harry Sharples

Address Big Arm, Montana 59910

Date well started March 10, 1972

completed March 15, 1972

For Administrator's Use
File B-1334, 2022056
March 20, 1972 10:50 a.m.
GW 1

Type of well Drilled (Dug, driven, bored or drilled)

Equipment used Churn Drill (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

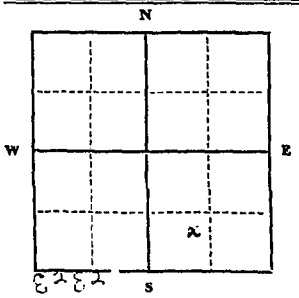
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5" I.D.	6" I.D. 17 lb per ft.	5'10" above g.l.	122'			



Static water level 95 ft.*
Pumping water level 95 ft.*
at 25 gallons per minute,
measured 1 hour minutes after pumping began.
*Measured from ground level.
Well developed by Bailer
for 2 hours.
Power Does not Pump apply HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

SW ¼ SE ¼ Sec. 8
T. 22 N/S R. 20 E/W
R.L.S.

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Glenn Camp
CAMP WELL DRILLING & PUMP SUPPLY
Driller's Address 1522 S. 14th W., Missoula, Montana 59801

LICENSE NO. 7

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	4	Clay, Gravel & Cobblestones
4	5	Boulder
5	18	Clay, Gravel & Cobblestones
18	22	Silty Sand
22	68	Tight Clay, Gravel Cobblestones
68	84	Sandy Clay & Gravel
84	103	Gravel & A Little Sandy Clay
103	114	Clay, Gravel & Water (5 gpm)
114	116	Sand, gravel & Water
116	122	Gravel & Water

122' Show exact depth of bottom

50,083

R-1334

20.2.756

WELL REPORT

HARRY SHARPLES

TO

THE PUBLIC

STATE OF MONTANA } ss
County of Lake

Filed on the 20 day of March
A.D. 19 72 at 10:50 o'clock A M
ETHEL M. HARDING
County Clerk and Recorder
By Joann Barrows Deputy.
2.00

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—38496

File No.....

T. 22 N R. 20 W

DUPLICATE

County LAKE

RECEIVED NOV 19 1963 STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level.....)

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

0 - 1/2 top soil

1/2 - 37 TAN SILTY CLAY WITH GRAVEL IMBEDDED

37 - 47 SAND AND GRAVEL MIXED IN SILTY CLAY

47 - 51 CLEAN COARSE SAND AND GRAVEL WATER. SWL 20 FT.

51 1/2 BOTTOM OF WELL.

Owner RUBEN S. WEGNER Address BOX 830 POLSON, MONTANA

Driller LIBERTY Drilling Co. Address BOX 830 MISSOULA, MONTANA

Date of Notice of Appropriation of Groundwater.....

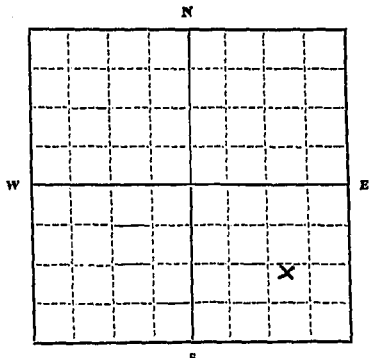
Date well started 2-19-63 Date Completed 2-23-63

Type of well DRILLED (dug, driven, bored or drilled) Equipment Used CABLE TOOL (Churn, drill, rotary or other)

Water Use: Domestic ☑ Municipal ☐ Other ☐ Irrigation ☑ Industrial ☐ Drainage ☐ Stock ☑

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x 17#	+2	51' 2"	NONE		



SE 1/4 Sec. 8 T. 22 R. 20

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 20 feet.

Shut-in Pressure for Flowing Well NON-FLOWING

Pumping Water Level 34 feet at 30 gal. per minute.

Discharge in gal. per min. of flowing well NON-FLOWING

How Tested AIR LIFT PUMP Length of Test 2 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation). FORGED STEEL DRIVE SHOE WELDED TO BOTTOM OF CASING. ALL WATER ENTERING WELL THROUGH THE OPEN BOTTOM OF THE 6 in. CASING.

52
Driller's License Number

William F. Osborne
Driller's Signature

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

7200

R283

161911

Well Report

Ruben L. Wagner

to

The Public

STATE OF MONTANA,
County of Lake,
Filed on the 12 day of Nov
A. D. 1963 at 10:45 o'clock 9 M
HAZEL KINNICK
County Clerk and Recorder
By E. Cowman
Deputy
2 00

W 3

Approved Stock Form—State Publishing Co., Helena, Montana—38496

22 20 W

9

File No.....

T..... R.....

DUPLICATE

County Lake

RECEIVED DEC 13 1963 STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....

Owner Paul Hardovick Address Polson Mont

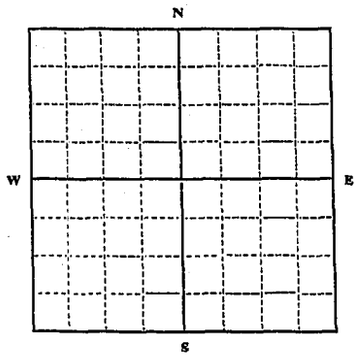
~~Contractor (if any)~~ Spring

Address of Contractor .....

Date Started Natural Date Completed None

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.....

1 to 10 gallons per minute, water contained in hand made reservoir 80' x 50'



Tract 1 E-SE ¼NW¼ Sec. 7 T 22 R 20

Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use. used for livestock and garden irrigation

Signature of Owner Paul Hardovick

Date.....

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

8916

R 338

162437

Water Report

Paul Kaolan

STATE OF MONTANA }
County of Lake, } ss

Filed on the 10 day of Dec

A. D. 196 3 at 2:20 o'clock P M

HAZEL KINNICK

County Clerk and Recorder

By E. Cowman

Deputy

2.00

Approved Stock Form—State Publishing Co., Helena, Montana—40876

File No.....

T 22 N R 20 W

DUPLICATE

County Lake

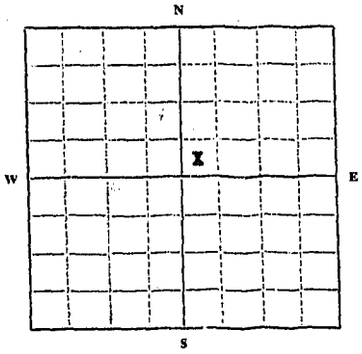
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 2 - 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Religious Hospitallers of St. Joseph, of Box 1010 Polson
(Name of Appropriator) (Address) (Town)
County of Lake State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 4 of NE 4
¼ Sec. 9 T. 22 R. 20

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based
Irrigating lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1912
Every summer

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 gallons per minute plus the natural artesian flow of 5 gallons per minute when not plumping

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
4 acres lawn
Religious Hospitallers of St. Joseph

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Centrifugal pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1912

8. The depth of water table Unknown

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled 6" casings. Depth unknown

10. The estimated amount of groundwater withdrawn each year 5,000,000 gallons by pumping

11. The log of formations encountered in the drilling of each well if available Not available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record This is an artesian well; and when not being pumped, it flows at the rate of 5 gallons per minute. The 5,000,000 gallons shown in question 10 does not take this natural flow into consideration.

Signature of Owner RELIGIOUS HOSPITALLERS OF ST. JOSEPH

By: Sister Prendergast R.H.S.J.
Assistant Administrator

Date June 28, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

4868.

R-176

160240

Will Report
Religious Hospitallers of
St. Joseph
to
The Public

STATE OF MONTANA } ss
County of Lake,
Filed on the 28 day of June
A. D. 1963 at 2:40 o'clock P M
HAZEL KINNICK
County Clerk and Recorder
By M. Knaus
Deputy

$2.00

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No.

T. 22 N R. 20 W

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

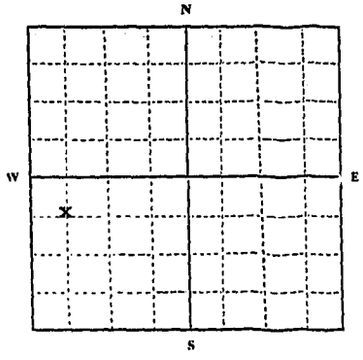
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Harold E. Tower, of Polson
(Name of Appropriator) (Address) (Town)

County of Lake State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW ¼ SW ¼ Sec. 9 T. 22 R. 20

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based
domestic water and stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1915

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
300 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
natural flowing well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1915

8. The depth of water table ground level

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
77 feet in depth

10. The estimated amount of groundwater withdrawn each year 2,500 gallons per day

11. The log of formations encountered in the drilling of each well if available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner By: Ralph R. Tower
R. R. Tower
Attorney in Fact

Date 12-31-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

24198

R-697
163038
Ralph R. Jones

STATE OF MONTANA } ss.
County of Lake,
Filed on the 31 day of Dec.
A. D. 1963 at 9:31 o'clock A M
HAZEL KINNICK
County Clerk and Recorder
By M. Knaus
Deputy

20°

T. 22 R. 20 10

County Lake

RECEIVED NOV 24 1959 STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner E. C. Claffey Address Polson, Mont

Driller Wm F Osborne Address Missoula, Mont.

Date Started Oct 3, 1959 Date Completed Oct 14, 1959

Location: Sec. 10 T. 22 R. 20 ¼ sec. E2SW¼ W2SE¼

Type of well Drilled (Dug, driven, bored, or drilled) Equipment used Churn drill (Churn drill, rotary, other)

Water use: Domestic ☑ Municipal ☐ Stock ☑ Irrigation ☐

Industrial ☐ Drainage ☐ Other: Tract development

Casing: 0 ft. to 165 ft. Type Std well Size 6 5/8 OD

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 145 to ft. 155 Ft. to ft.

Type of screen or perforations Mills Knife

Static Water level, for non-flowing well: 125 feet.

Shut-in pressure, for flowing well: lb./sq. in. on: (date)

Pumping water level 128 feet at 350 gal. per min.

How tested: Gas power unit and turbine pump

Length of test 24 hrs.

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Silty Clay with some sand and gravel imbedded, 165 feet, depth of shut off.

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	53	Gravel and cobblestones
53	55	Coarse sand
55	84	Gravel and cobblestones imbedded in clay
84	142	Very fine sand and silt - compacted
142	146	Coarse sand and fine gravel
146	155	Clean coarse gravel with small amount coarse sand
155	159	Coarse sand
159	165	Silty clay with some sand and gravel imbedded

STATE OF MONTANA
County of Lake, ss
Filed in the office of the County Clerk and Recorder
at 10:30 o'clock A.M. this 20 day of Nov 1959
Lake County, Montana
By Theresa Larrison Deputy

R-13

Water well log
E. C. Chaffey
Pablo

143063

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—39314

File No.....

T. 22 N R. 20 W

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED DEC 26 1963 STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground (Elev. above sea level Approx. 3050')

0 – 1	Dirt
1 – 12	Gravel, cobblestones and boulders mixed in tan clay
12 – 77	Gravel imbedded in tan clay
77 – 131	Tan silty clay
131 – 169	Gravel imbedded in tan clay
169 – 179	Silty gravel. Some clay streaks. Some water.
179 – 182½	Clean coarse gravel. Good water. Water raised to 159' from surface.

Owner JAMES LUMBER CO., INC. Marshal S. James, Pres. Address Box 86 Polson, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of Appropriation of Groundwater None filed

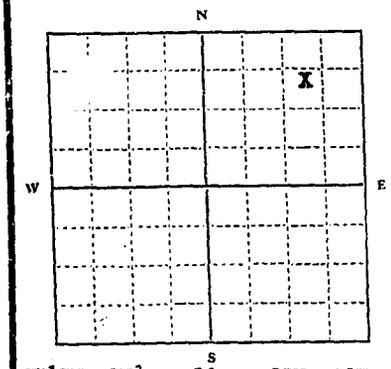
Date well started March 12, 1963 Date Completed March 19, 1963

Type of well Drilled (dug, driven, bored or drilled) Equipment Used Cable tools (Churn, drill, rotary or other)

Water Use: Domestic [X] Municipal [ ] Other [ ] Irrigation [X]
Industrial [ ] Drainage [ ] Stock [X]

☞ Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6 inch	6 5/8 inch OD by 17 # per foot.	+ 3	182½	none		



SW¼NE¼ NE¼ Sec. 10 T. 22N R. 20W

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 159 feet.

Shut-in Pressure for Flowing Well non-flowing

Pumping Water Level 159 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well non-flowing

How Tested Bailor Length of Test 18 hrs

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) All water entering the well through the open bottom of the six inch casing.

Show exact depth of bottom.
Bottom of well 182½'.

52
Driller's License Number

William F. Osborne
Driller's Signature

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

12192

R-412

162645

Water Report

James Lumber Co.

to

The Public

STATE OF MONTANA }
County of Lake, } ss.
Filed on the 20 day of December
A. D. 1963 at 1:15 o'clock P M
HAZEL KINNICK
County Clerk and Recorder
By M. Knaus
Deputy

$2.00

Approved Stock Form—State Publishing Co., Helena, Montana—40876

File No.....

T. 22 N R. 20 W

DUPLICATE

County.....

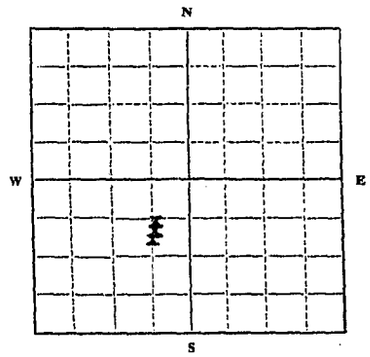
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. City of Polson (Name of Appropriator), of Box 238, Polson, Montana (Address) (Town)
County of Lake State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE¼SW¼ Sec. 10 T. 22 R. 20

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Municipal water supply.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Fall 1960 continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1500 gallons per minute.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

No.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal deep well pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1959 - Wells commenced, completed in 1960.

8. The depth of water table 104 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater all three 6 inch deep wells approx. 196 feet deep.

10. The estimated amount of groundwater withdrawn each year 180,000,000

11. The log of formations encountered in the drilling of each well if available not available.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record (R) permanent record 13.

Signature of Owner [signature]

Date 12-31-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

2/3/15

R-814 163160

STATE OF MONTANA }
County of Lake, } ss.
Filed on the 31 day of Dec
A. D. 1963 at 4:15 o'clock P. M
[illegible]
County Clerk and Recorder
By _____
Deputy

GW 2

File No.

DUPLICATE

RECEIVED
JUN 5 1964
STATE ENGINEER

Approved Stock Form—State Publishing Co., Helena, Montana—38496

T. 22 N R. 20 W

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level 2911)

1' of top soil

29' of Clay

43' of Sand + Gravel

Water encountered at 73'

Water rises in Well 8'

73'

Owner Chas. + Martha Brubaker Address

Driller Fred Morrison Address Pablo Mont.

Date of Notice of Appropriation of Groundwater

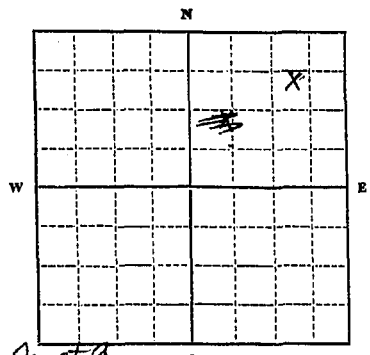
Date well started May 19, 1964 Date Completed May 25, 1964

Type of well Drilled (dug, driven, bored or drilled) Equipment Used Churn Drill (Churn, drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐ Industrial ☐ Drainage ☐ Stock ☐

☞ Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6 3/8"	7" O.D. 22 Pounds to foot	Ground Level	73'			



NE ¼ NE ¼ Sec. 11 T 22 R 20

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 65' from Ground Level feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 72' feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Pump Length of Test 4 Hours

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

108
Driller's License Number

Fred Morrison
Driller's Signature

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

38155

R 942

165780

Well report

Charles G & Martha G

Burbaker

to

The Public

STATE OF MONTANA }
County of Lake }
Filed on the 3 day of June
A. D. 1964 at 3:10 o'clock P M
HAZEL KINNICK
County Clerk and Recorder
By E. Courson Deputy
2 00

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No.

T 22N R 20W

DUPLICATE

County

RECEIVED
JAN 6 1964
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

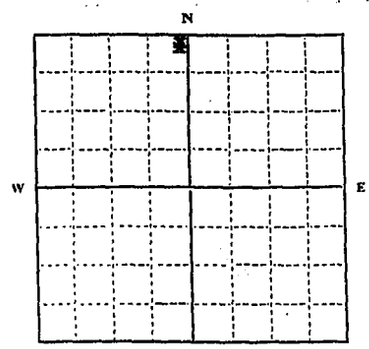
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Arthur E. Robinson (Name of Appropriator), of Box 921 (Address) Polson, Montana (Town)

County of Lake State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE¼ NE¼
NE¼ NW¼
¼ Sec. 11 T. 22 R. 20

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Household and irrigation.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 15, 1961. Continuous.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 gals. per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 8.25 acres. Lawns, gardens and fruit trees. Owner - Arthur E. Robinson

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 161 ft. deep well with 7 inch steel casing. Submersible pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Completed June 29, 1961. Began approx. 5 days prior.

8. The depth of water table 44 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 161 ft. deep, 7 inch steel casing.

10. The estimated amount of groundwater withdrawn each year 500,000 gals.

11. The log of formations encountered in the drilling of each well if available 0 - 1 Top soil; 1 - 12 Cobblestones and gravel imbedded in clay; 12 - 50 Gravel imbedded in clay; 50 - 51 Boulder; 51 - 96 Cobblestones, boulders and gravel; 96 - 132 Tan sandy clay - some gravel imbedded; 132 - 155 Sand, silt and some small scattered gravel; 155 - 156 Clean, coarse sand; 156 - 161 Clean, coarse gravel.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Date December 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

24212

R711

16302

Water Report

Arthur E. Robinson

To

The Public

STATE OF MONTANA,
County of Lake,
Filed on the 31 day of Dec
A. D. 1963 at 10:06 o'clock a.m.
HAZEL KINNICK
County Clerk and Recorder
By E. Cowman
Deputy

3 GW 2 Revised 1969
13—3M—10/69

RECEIVED
JAN 17 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

22N-20W
County LAKE 11

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner A. V. Thusler

Address Box 775 Polson MT.

Date well started SEPT 12 70

completed JUN 6 71

For Administrator's Use
File R-1315, 201921
Jan. 14, 1971 2:30 pm.
GW 1

Type of well DRILLED (Dug, driven, bored or drilled)

Equipment used CABLE TOOL (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL 110,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6" ID 17#	+2	577	NONE		

N
W X E
S

Static water level 290 ft.*
Pumping water level 350 ft.*
at 5 gallons per minute,
measured 600 minutes after pumping began.
*Measured from ground level.
Well developed by BAILER
for 72 hours.
Power ELEC Pump 1 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)
GRAVEL PACK
540-600'

NE ¼ SW ¼ Sec. 11
T. 22 N (N/S) R. 20 E (W)

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Henry I Johnson

Driller's Address Box 36 PABLO, MT.

MONT LICENSE NO. 22

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	6	BLACK TOP SOIL
6	72	COBBLES, SAND
72	76	SOFT CLAY
76	86	FINE GRAVEL
86	93	PACKED SAND
93	96	GRAVEL
96	116	CLAY & ROCK
116	132	GRAVEL
132	154	SAND
154	156	FINE GRAVEL & CLAY
156	182	QUICK SAND
182	232	GRAVEL
232	270	CLAY & ROCK
270	292	QUICKSAND W/ WATER
292	298	CLAY & ROCK
298	330	SILT
330	335	CLAY & ROCK
335	337	CLAY
337	381	QUICK SAND
381	387	YELLOW CLAY
387	389	BROWN SILT
389	405	GRAY CLAY W ROCK
405	422	FINE SAND
422	426	SAND & GRAVEL
426	430	CLAY & GRAVEL
430	475	QUICK SAND
475	482	CLAY & GRAVEL
482	485	TAN QUICKSAND
485	491	CLAY & GRAVEL
491	495	CLAY
495	499	QUICKSAND
499	507	CLAY & ROCK
507	511	QUICKSAND
511	513	CLAY & ROCK
513	515	SAND
515	519	CLAY & SAND
519	522	FINE QUICKSAND
522	531	CLAY & FINE GRAVEL
531	540	CLAY & GRAVEL
540	545	SILT
545	552	CLAY & GRAVEL
552	554	SILT SAND & WATER
554	560	CLAY & GRAVEL
560	577	SILT, SAND DEAGRVEL
577	600	CLAY SILT & GRAVEL W/ SOME WATER

540 Show exact depth of bottom

49,743

R-1315

201921

WELL REPORT

A. V. TRUSLER

TO

THE PUBLIC

STATE OF MONTANA } ss
County of Lake

Filed on the 14 day of Jan.
A. D. 1972 at 2:30 o'clock P M
ETHEL M. HARDING
County Clerk and Recorder
By Laura Barnes
Deputy
2nd

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—41933

File No.....

T. 22 N R. 20 W 12

DUPLICATE

County.....

RECEIVED
MAY 10 1965
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level.....)

0 to 3' Top soil
3' to 14' Clay & gravel
14' to 17' Loose cobblestones
17 to 19' Clay & gravel
19' to 26' Loose gravel & cobblestones
26' to 64' Clay, gravel & Boulders
64' to 68' Silty sand & gravel
68' to 90' Clay & gravel
90' to 97' Loose gravel & Boulder
97' to 118' Clay & cobble stones
118' to 125' Loose gravel a seep of water
125' to 131' Tan clay
131' to 143' Loose gravel
143' 147' Clay
147' to 163' Silty sand, gravel & water
163' to 165' Gravel & water

Owner Clarence Bras Address Polson, Montana

Driller Glenn Camp 705 Alder Address Missoula, Mont

Date of Notice of Appropriation of Groundwater.....

Date well started 4/6/65 Date Completed 4/20/65

Type of well Drilled (dug, driven, bored or drilled) Equipment Used Churn drill (Churn, drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☒ Industrial ☐ Drainage ☐ Stock ☒

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6" I.D. 18.97#	1' above G.L.	to 165'	None		

Static Water Level for non-flowing Well 145' feet.

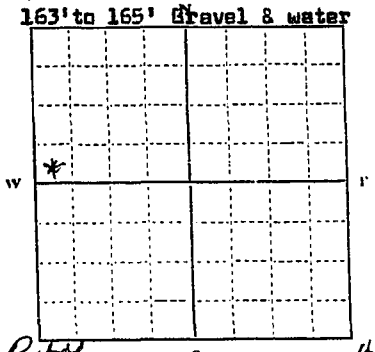
Shut-in Pressure for Flowing Well.....

Pumping Water Level 147 feet at 14 gal. per minute.

Discharge in gal. per min. of flowing well.....

How Tested Bailer Length of Test 1 hr

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation).....



Part of NW¼NW Sec. 12 T 22 R 20 14-663

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Licence #7

Driller's License Number

Glenn Camp

Driller's Signature

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

39112

R988

170357

Well Report

Clarence Bras

to

The Public

STATE OF MONTANA
County of Lake } ss

Filed on the 7 day of May

A. D. 1965 at 9:00 o'clock A M

HAZEL KINNICK

County Clerk and Recorder

By E Cowman

Deputy

GW

Approved Stock Form—State Publishing Co., Helena, Montana—38687

File No.....

T 22N R 20W

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
SEP 5 1963
STATE ENGINEER

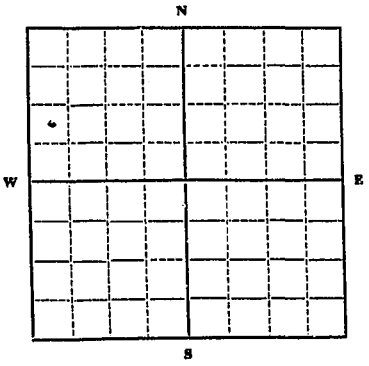
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Elmore R Cass, of Polson
(Name of Appropriator) (Address) (Town)

County of Lake State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 NW 1/4 Sec. 12 T 22N R 20 W

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based household

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Dec 19, 1959

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 900 G.P.H.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1-55 HP Fairbanks Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Nov. 4, 1959
Nov 27, 1959

8. The depth of water table 65 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled 8" casing 115 ft depth.

10. The estimated amount of groundwater withdrawn each year

11. The log of formations encountered in the drilling of each well if available Top soil, hard pan 24 ft 80 ft cement gravel dry gravel 11 ft gravel bearing water 115 ft.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Elmore R Cass

Date Aug 28 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

5686.

R 216

160 987

Water Report

Elmore K. Cass

To

The Public

STATE OF MONTANA }
County of Lake, } ss

Filed on the 3 day of Sept

A. D. 196 3 at 8:10 o'clock A M

HAZEL KINNICK

County Clerk and Recorder

By E. Cellermann

Deputy

2 00

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—45642

File No.....

MONTANA WATER RESOURCES BOARD

RECEIVED

AUG 9 1967

T. 22 N. R. 20 W.

County LAKE

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

LOG

Top of Ground

(Elev. above sea level.....)

GL	top soil
1	
1	tan clay, sand, gravel
34	& boulders
34	tan clay, sand &
39	gravel
39	tan clay, sand,
61	gravel & boulders
61	tan clay, sand &
73	gravel
73	tan clay, sand,
86	gravel & boulders
86	tan clay, sand,
127	& gravel
127	tan clay, silt, sand
133	& water
133	sand, gravel &
137	water

Show exact depth of bottom.

Owner KEITH JOHNSON Address POLSON, MONT.

Driller KEN WILLIAMS Address 1558 So.5th.W. MISSOULA, MONT.

Date of Notice of appropriation of groundwater.....

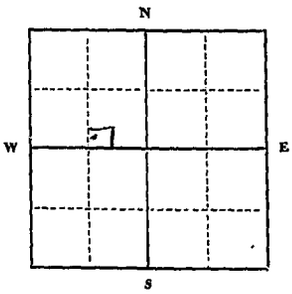
Date well started JULY 7,67 Date completed JULY 19,67

Type of well drilled (Dug, driven, bored or drilled) Equipment used Churn (Churn drill, rotary or other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐ Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6" I.D.	6 5/8" O.D. 17 lbs ½" side wall	ground level	137'			



Static Water Level for non-flowing well 118 feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level 135 feet at 30 gal. per minute.

Discharge in gal. per min. of flowing well .....

How Tested bail test

Length of Test 6 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff).....

W½ SE¼ NW¼ Sec. 12 T. 22 R. 20 W.

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

.....(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Domestic water supply and irrigation

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

151
Driller's License Number

Kenneth L. Williams
Driller's Signature.

42,192

R-1081

180810

Well Report

STATE OF MONTANA }
County of Lake } ss

Filed on the 4 day of Aug

A. D. 1967 at 4:50 o'clock P M

ETHEL M. HARDING

County Clerk and Recorder

By Eunice Cowman

Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—50551

MONTANA WATER RESOURCES BOARD
RECEIVED
JAN 15 1971

File No.

DUPLICATE

T. 22N R. 20W

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner Clinton A. McGiffin & Elizabeth A. McGiffin Address Great Falls, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 10/20/70 Date completed 11/2/70

Type of well Drilled (Dug, driven, bored or drilled) Equipment used Cable Tools (Churn drill, rotary or other)

Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☒ Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x ¼"	+1'6"	135	N O N E		

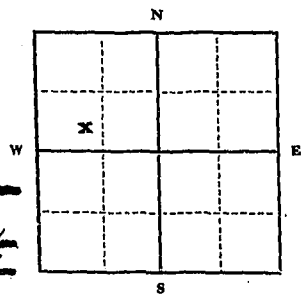
LOG

Top of Ground (Elev. above sea level Approx. 3150')

Formations Log:

0 - 1 Black topsoil & gravel.
1 - 18 Gravel and cobblestones imbedded in tan clay.
18 - 112 Gravel imbedded in tan silt.
112 - 114 Tan silty sand with fine gravel mixed in. Seeps of silty water.
114 - 122 Gravel imbedded in tan silt.
122 - 127 Fine brown sand imbedded in tan silt.
127 - 131 Fine brown sand with a few gravels mixed in.
131 - 135 Clean coarse gravel. Water.

Water rises in the well 106 ft. from surface.



Static Water Level for non-flowing well 106 feet.

Shut-in Pressure for Flowing Well Non-f.

Pumping Water Level 130 feet at 40 gal. per minute.

Discharge in gal. per min. of flowing well Non-flowing.

How Tested Dump Test

Length of Test Four hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through open bottom of six inch casing. Wells in this area can be depended upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates not in excess of 50 percent of the tested capacity of the aquifer. (Continue on reverse side)

Doc. No. 196801
Filed for record this 12 day of January A. D. 19 71, at 12:38 o'clock P M.

SW ¼NW Sec. 12 T.22N R20W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Approx. 5 acres.

Show exact depth of bottom.
Bottom of well 135'

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

52
Driller's License Number

William T. Cabone
Driller's Signature.

48002

196801

R-1246

Well Report

CLINTON A. & ELIZABETH A.
McGIFFIN

TO

THE PUBLIC

STATE OF MONTANA
County of Lake ss

Filed on the 13 day of Jan.
A.D. 1971 at 12:25 o'clock PM

Ethel M. Harding
Clerk and Recorder

Jewell Berg Deputy

$2.00

3 GW. 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
MAY 30 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

22N-20W 12

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner: Richard L. Schafer
Carol J. Schafer

Address: 813 5th Ave. E.

Polson, Montana

Date well started: 4-11-73

completed: 4-24-73

For Administrator's Use
File R-1460, 209825
May 29, 1973
GW 1 12:05 p.m.

Type of well: Drilled (Dug, driven, bored or drilled)

Equipment used: Air Rotary (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

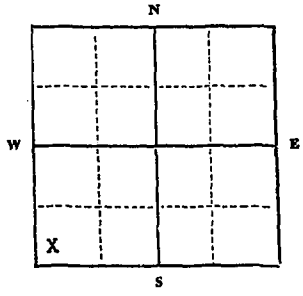
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL 28,300,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8"	8 5/8"OD x .250	+2	468'	N O N E		



SW ¼ SW ¼ Sec. 12
T. 22 N R. 20 E/W

Static water level 360 ft.*
Pumping water level 427 ft.*
at 50 gallons per minute,
measured 90 minutes after pumping began.
*Measured from ground level.
Well developed by air surge for eight hours.
Power diesel Pump 150 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) From 468' to 473' the well is filled with clean coarse gravel. Wells in this area can be depended upon to produce clear.

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Wm. D. Osborne

Driller's Address LIBERTY DRILLING & PUMP CO.

KALISPELL, MONTANA 59901 LICENSE NO. 52

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground Approx. (Elev. above sea level) 3300

From (Feet)	To (Feet)	
0	1	Topsoil
1	4	Tan Clay
4	16	Sand
16	91	Sand and Gravel.
91	203	Find sand with few gravels.
203	357	Fine sand.
357	460	Fine sand with some gravels.
460	473	Small Gravels & sand Water.

473' Show exact depth of bottom

53,288

sand free water year after year as long as it is not overpumped, i.e., they should be pumped at rates not in excess of 50 to 60 percent of the tested capacity of the aquifer.

STATE OF MONTANA } ss
County of Lake
Filed on the 28 day of May
A.D. 1973 at 12:15 o'clock PM
ETHEL M. HARDING
County Clerk and Recorder
By [signature] Deputy

12-1460
#209825

RICHARD L. SHAFER
CAROL J. SCHAFER
TO
THE PUBLIC
WELL REPORT

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED JUL 17 1973 MONTANA DEPARTMENT OF NATURAL RESOURCES & CONSERVATION

22N-20W-13

County LAKE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Lee & Anna Lee Cowan

Address P O Box 1422
Polson, Mt 59860

Date well started 4-22-70

completed 5-5-70

For Administrator's Use
File R-1469 p 2 10-1-69
Tran. 15, 1973
GW 1 9:08 p.m.

Type of well Drilled (Dug, driven, bored or drilled)

Equipment used Cable Tool (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

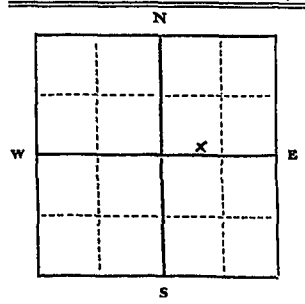
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe N/A

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8"	8" ID	0	24	NONE		
6"	6" ID 18.97	+1	203	NONE		



Static water level 68 ft.*
Pumping water level ft.*
at gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by
for hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

N½ ~~N~~ Ne ¼ Sec. 13
T. 22 N (N/S) R. 20W (E/W)

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature [signature]

Driller's Address TERRY, MT 59349

LICENSE NO. 154

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level) 2012

From (Feet)	To (Feet)	
0	95	Cobblestone & Coarse Gravel
95	190	Tan Sand
190	195	Tan Clay
195	200	Tan Sand
200	203	Brown & Gray Gravel

Show exact depth of bottom

53,607

210167

R- 1469

Lee & Anna Lee Cowan

TO

The Public

Well Report

STATE OF MONTANA } ss
County of Lake

Filed on the 15 day of June
A.D. 19 73 at 9:08 o'clock A.M.
ETHEL M. HARDING
County Clerk and Recorder
By Elaine Elespuru
Deputy

Gv. -

Approved Stock Form—State Publishing Co., Helena, Montana—42234

3 | 4

File No.....

T. 22 R. 20

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

MONTANA WATER RESOURCES BOARD
RECEIVED
AUG 12 1968

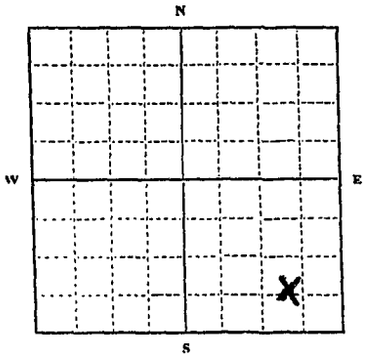
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. H. Gladys Fritz, of Polson Montana
(Name of Appropriator) (Address) (Town)

County of Lake State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



E ½ E ¼ Sec. 14 T. 22 R. 20

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Domestic

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1954

4. The amount of groundwater claimed (in miner's inches or gallons per minute) about 100 gal per min

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater March 1954

8. The depth of water table

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 530 ft.

10. The estimated amount of groundwater withdrawn each year

11. The log of formations encountered in the drilling of each well if available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner H. Gladys Fritz

Date Aug 8 1968

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

44,498

P-1120

18559

Water Approp.

H. Gladys Fritz

to

The Public

STATE OF MONTANA }
County of Lake } ss

Filed on the 8 day of Aug

A. D. 1968 at 10:40 o'clock A M

ETHEL M. HARDING

County Clerk and Recorder

By Eunice Cowman

Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—48...

File No.

T 22N R 20W

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner James F. and Geraldine M. Guinn Address Spokane, Washington

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed.

Date well started 12/18/69 Date completed 2/11/70

Type of well Drilled (Dug, driven, bored or drilled) Equipment used Cable tools & Air Rotary (Churn drill, rotary or other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐ Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6 5/8" x ¼"	+3	356	N	0 N	E

LOG

Top of Ground (Elev. above sea level Approx. 3150 ft.)

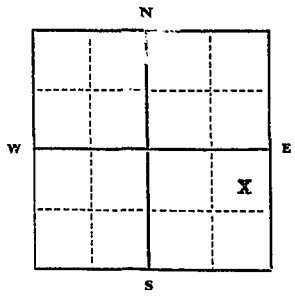
Formations Log:

0 - 2	Gravel mixed in tan clay.
2 - 38	Coarse gravel.
38 - 151	Fine silty sand and tan clay.
151 - 164	Silty sandy clay. Seeps of water.
164 - 187	Tan silty sand and clay.
187 - 243	Fine silty sandy clay. Seeps of water.
243 - 284	Tan silty sand and clay.
284 - 296	Fine silty sandy clay. Seeps of water.
296 - 317	Fine sand and gravel mixed in tan clay.
317 - 354	Gravel imbedded in tan clay.
354 - 388	Green rock.
388 - 391	Tan and green rock. Some water.
391 - 397	Green rock.
397 - 400	Tan and green rock with white quartz in alternate layers.
400 - 410	Green rock. Water.

Water rises in well 265 feet from surface.

Doc. No. 193370
Filed for record this 27 day of April A. D. 19 70, at 11:55 o'clock A.M.

Show exact depth of bottom.



NE ¼ SE Sec. 17 T 22N R 20W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 265 feet.

Shut-in Pressure for Flowing Well Non-f

Pumping Water Level 335 feet at 60 gal. per minute.

Discharge in gal. per min. of flowing well Non-flowing

How Tested Air Lift Pump

Length of Test 2 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through cracks and seams in the rock below 388 feet. Wells in this area can be depended upon to produce clear sand free water year after year as long as they (Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

NE¼ SE¼ and Government Lot 8 lying west of County Road, Section 17, Township 22N Range 20W.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

52
Driller's License Number

William A. Dahme
Driller's Signature.

46387

R-1201
#193370

James F. & Geraldine M. Quinn to The Public

STATE OF MONTANA } ss
County of Lake
Filed on the 27 day of April A.D. 1970 at 11:55 o'clock A M
Fees $6.00
County Clerk and Recorder
by Jewell Beaty Deputy

MONTANA WATER RESOURCES BOARD
RECEIVED
APR 28 1970

are not overpumped, i.e., they should be pumped at rates not in excess of 50 to 60 percent of the tested capacity of the aquifer.

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No. .....

T. 22 N R. 20 W

County Lake

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 26 1963
STATE ENGINEER

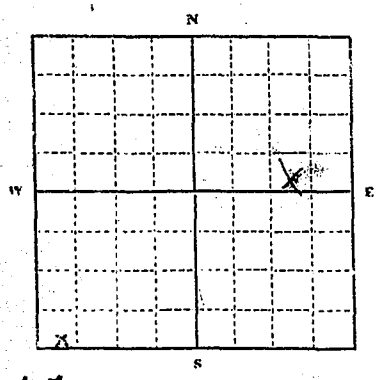
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Elma Harris

1. CARL HARRIS, of R+1 Box 21C (Address) POLSON (Town)
(Name of Appropriator)

County of LAKE State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 10 ¾ Sec. 18 T. 22 R. 20

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based House garden + lawn water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1913 approximate date continuous since house built

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Deep well pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Approximate date 1913 Continuous as the land supplied water for mowing

8. The depth of water table 400 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Unknown Cased Casing depth 150

10. The estimated amount of groundwater withdrawn each year 3000 gallons

11. The log of formations encountered in the drilling of each well if available None available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None

Signature of Owner Carl Harris

Date 12/17/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

12175

Approved Stock Form—State Publishing Co., Helena, Montana

File No. _____ T. 22 N. R. 20 W.

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

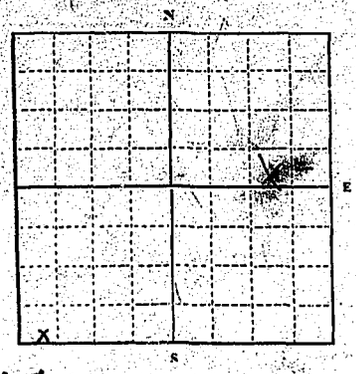
RECEIVED
DEC 26 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Elma Harris
CARL HARRIS, of RT 60 Box 17C POLSON
(Name of Appropriator) (Address) (Town)

County of LAKE State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 10 ¼ Sec. 18 T. 22 R. 20

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based House garden & livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
1913 approximate date
Continuous since since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
None

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
deep well pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Approximate date 1913
Commencement & completion date not known

8. The depth of water table 400 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled, 6 in. casing, depth 535

10. The estimated amount of groundwater withdrawn each year 30,000 gallons

11. The log of formations encountered in the drilling of each well if available None available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record NONE

Signature of Owner Carl Harris

Date 12/19/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

12175

R 395

16 x 6 x 1

STATE OF MONTANA }
County of Lake, }
Filed on the 14 day of Dec
A. D. 19[illegible] at [illegible] o'clock [illegible] M
[illegible]
County Clerk and Recorder
By _____ Deputy

3 GW 2 Revised 1969
13—3M—10/69

RECEIVED
MAY 23 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

22N-20W

County Lake 22

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner C. R. Geffrey

Address Polson, Montana

Date well started 2/15/72

completed 3/18/72

For Administrator's Use
File R.1456, 209747
May 22, 1973.
GW 1 1:50 p.m.

Type of well drilled (Dug, driven, bored or drilled)

Equipment used churndrill (Churn drill, rotary or other)

Water Use: Domestic ☑ Municipal ☐ Stock ☐ Irrigation ☐

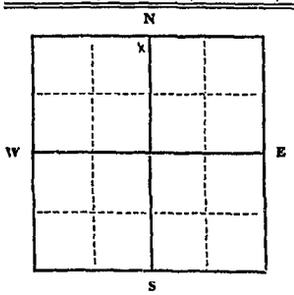
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL 550,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6 5/8 od 17lbs.	18" above ground	401' 3"	xxxxx	xxxxx	xxxxx



NE ¼ NW ¼ Sec. 22
T. 22 N/S R. 20 E/W

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Static water level 200 ft.*
Pumping water level 230 ft.*
at 8 gallons per minute,
measured 240 minutes after pumping began.
*Measured from ground level.
Well developed by bailer
for 4 hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Driller's Signature George O. Beebe

Driller's Address box 47

Ravalli, Montana LICENSE NO. 204

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	6	clay & gravel
6	28	fine & course gravel & sand
28	56	clay & gravel
56	72	tan silty sand & gravel
72	114	tan clay & gravel
114	191	tan sandy clay
191	273	sandy tan clay - wet
273	391	tight tan clay & gravel
391	399	tan clay & gravel some silty water
399	402	medium sized gravel & water

402' 6" Show exact depth of bottom

53.231

R-1456

209747

Well Report

C.E. Coffrey

to

The Public

STATE OF MONTANA }
County of Lake } ss

Filed on the 22 day of May

A. D. 19 73 at 1:50 o'clock P M

ETHEL M. HARDING
County Clerk and Recorder

By Margaret Bruggeman
Deputy

2.00

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

24

File No.....

T. 22N R. 20W

DUPLICATE

County Lake

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

RECEIVED DEC 30 1963 STATE ENGINEER

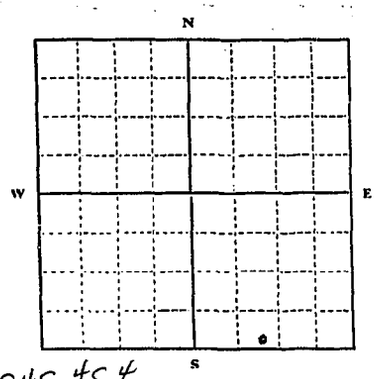
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. D. A. Hern (Name of Appropriator), of Route #1, Box 52, (Address) Polson, (Town)

County of Lake State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE¼SW¼SE¼ ¼ Sec. 24 T. 22N R. 20W

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Domestic - Stock water - irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Approximately 1942- continuously since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1000 gallons per hour

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Garden - about 1 acre. D. A. Hern

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric Pump on SE¼SW¼SE¼

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater about 1942

8. The depth of water table approximately 250 feet (well is 498 feet deep)

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled well - 7 inch casing

10. The estimated amount of groundwater withdrawn each year Seven million gallons

11. The log of formations encountered in the drilling of each well if available Not available - 20 feet sand - 250 gravel - balance silt.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner D. A. Hern

Date December 27, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

16579

R-536

162846

Water Report

D. A. Kern

to

The Public

STATE OF MONTANA }
County of Lake,
Filed on the 27 day of Dec.
A. D. 1963 at 2:45 o'clock P. M.
HAZEL KINNICK
County Clerk and Recorder
By M. Knauss
Deputy

$2.00

GW 4

Approved Stock Form—State Publishing Co., Helena, Montana—42234

25

File No. .....

T. 22 N R. 20 W

DUPLICATE

County .....

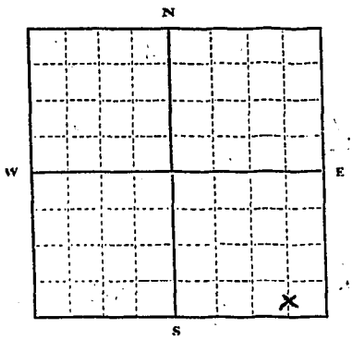
RECEIVED
JAN 6 1964
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Alfred J. Butt (Name of Appropriator), of Polson (Address) RT. 1 Box 108 (Town)
County of Lake State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE ¼ SE ¼ Sec. 25 T. 22 N R. 20 W

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based
For Domestic use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
Used since March 4, 1958 everyday.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started digging Jan 2 1958 Completed Feb 28 1958

8. The depth of water table At the highest level it is eight feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Hand dug well that is 59 ft. deep and 2 ft in diameter, lined with reinforced cement tile.

10. The estimated amount of groundwater withdrawn each year about 40,000 gallons

11. The log of formations encountered in the drilling of each well if available
Coarse sand and gravel.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Alfred J. Butt

Date Dec. 31 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

24255

R-754 163099

Alfred J. Butt

to

The Public

STATE OF MONTANA } ss
County of Lake,

Filed on the 31 day of Dec
A. D. 1965 at 3:30 o'clock P.M.

[illegible]
County Clerk and Recorder

By ---------- Deputy

Approved Stock Form—State Publishing Co., Helena, Montana—40876

File No.

DUPLICATE

T. 22 N R. 20 W

County Lake

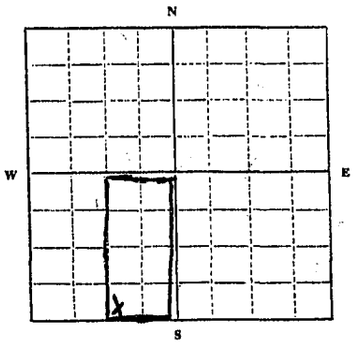
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 6 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Paul Fleming (Name of Appropriator), of Route #1 (Address) Polson (Town)
County of Lake State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



E½ ~~X~~ SW¼ Sec. 25 T 22 R 20

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Household use and Livestock Water - Washing potatoes

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Approximately 1912 continuous use since that time

4. The amount of groundwater claimed (in miner's inches or gallons per minute) twenty (20) gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Lawn irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Approximately 1912

8. The depth of water table 117'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6" casing 117' deep

10. The estimated amount of groundwater withdrawn each year 1,095,000 gal. when not washing potatoes

11. The log of formations encountered in the drilling of each well if available Not Known

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record NOT Known

Signature of Owner Paul Fleming

Date

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

5273.