GROUNDWATER INDEX

County Lincoln Twp 31 North Rge. 33 West

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3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

MONTANA WATER RESOURCES BOARD
RECEIVED
AUG 16 1971

County Lincoln

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 Ronald R. Hamel

Address Troy
Montana

For Administrator's Use
File 787
August 2, 1971 9:45 AM
GW 1

Date well started 7-19-71

completed 7-19-71

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

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

Water Use: Domestic ☑ Municipal ☐ Stock ☐ Irrigation ☐

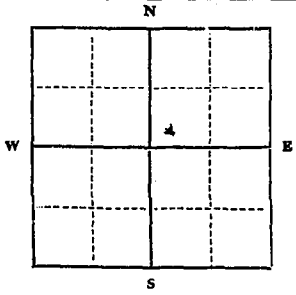
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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)
6 5/8 O.D.	17#	0	39'4"	1/2 Round	0	3'



SW ¼ NE ¼ Sec. 13
T. 31 N R. 33 E/W

Static water level 20 ft.*
Pumping water level 30 ft.*
at 10 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by bailing
for 2 hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Clifford J. Bucher

Driller's Address Box 2
Libby Montana LICENSE NO. 141

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	30	silt
30	35	silty sea gravel
35	39'4"	water

39'4" Show exact depth of bottom

48874

INDEXED

787

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 2nd day of August A. D. 19 71 at 9:45 A.M. Eleanor L. Vaughn County Clerk.

By Mae Watson Deputy

GW

File No.....

DUPLICATE

T. 31 N R. 33 W

County Lincoln

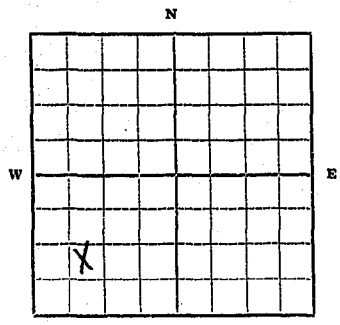
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 27 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Lawrence R Mellen, of Box 325 Troy
(Name of Appropriator) (Address) (Town)
County of Lincoln State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1. Lots 6-7 SE¼SE¼ Sec 16-T31R33
SW¼SW Sec 15 T.31 R.33

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 Home Lake level Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1920 Steady source

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50

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 Lots 6-7-SE¼SE¼ Sec 16-T31R33 SW¼SW¼ Sec 15-T31R33 Helen Opal Mellen

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater No wells Springs

8. The depth of water table Ground and Lake 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 Gravity Springs

10. The estimated amount of groundwater withdrawn each year Seven Million Gal

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

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 Lawrence R. Mellen

Date 12-26-63

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 School of Mines and Quadruplicate for the Appropriator.

33865

#268

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 27 day of December A. D. 1963 at 4:25 P. M.

M. M. Mansfield
County Clerk.

By Elma Vaughn
Deputy

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

File No.

T 31 N R 33 W

DUPLICATE

County Lincoln

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 27 1964

STATE ENGINEER

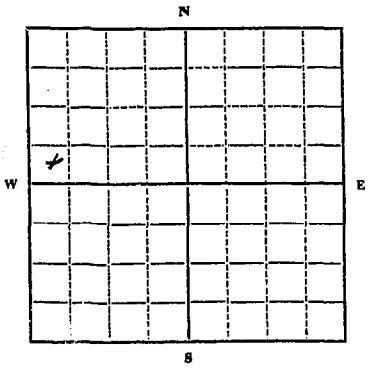
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Joe Kelly (Name of Appropriator), of P.O. Box 421 (Address) Troy Montana (Town)

County of State of

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



SW 1/4 N W Sec. 18 T 31 N R 33 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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 1950

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 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 not applicable

6. The means of withdrawing such water from the [illegible] he location of each well or other means of withdrawal Goulds pump 1½ hp.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 1950

8. The depth of water table 16'

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

24' well driven well
3 inch casing 1 inch pipe

10. The estimated amount of groundwater withdrawn each year 20,000

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 not applicable
not available

Signature of Owner Joe Kelly

Date Dec 27-63

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.

33848

253

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 27th day of
December A. D. 1963
at 11:50 A. M.
M. M. Mansfield
County Clerk.
By Verda Hayden
Deputy

STATE WATER CONSERVATION BOARD

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

File No. JAN 3 1966

T 31 N R 33 W M.P.M.

County LINCOLN

DUPLICATE

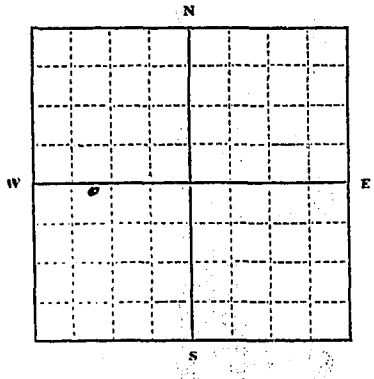
Butte McDermott
Cook
Darlinton Sullivan
Dickert

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Carl W. Hardin (Name of Appropriator), of P.O. Box 358 (Address) Troy (Town)
County of Lincoln State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 SW 1/4 Sec. 18 T 31N R 33 W, M.P.M.

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: Personal and public use (bar on premises)

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1958 through present

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

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: WELL

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

8. The depth of water table: Approx. 30 to 40 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: ~~UNKNOWN, well already here when property was purchased~~

10. The estimated amount of groundwater withdrawn each year: 90,000 to 100,000 gallons

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

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: UNKNOWN

Signature of Owner

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.

#523

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 31st day of December A. D. 1965 at 9:45 A. M.

M. M. Morefield
County Clerk.

By E. V.
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—40472

File No.....

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
JUL 22 1968

T. 31 R. 33
County Lincoln

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)

Owner Kilton P. Cook + Thelma A. Cook Address Troy Mont

Driller C & L Pump & Hoist Inc. Address Libby Mont

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

Date well started 6-16-68 Date Completed 7-8-68

Type of well drilled (dug, driven, bored or drilled) Equipment Used Churn (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 5/8 od	#19	0	208'	1/2 Round	0'	4'

Static Water Level for non-flowing Well 135 feet.

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

Pumping Water Level 190 feet at 10 gal. per minute.

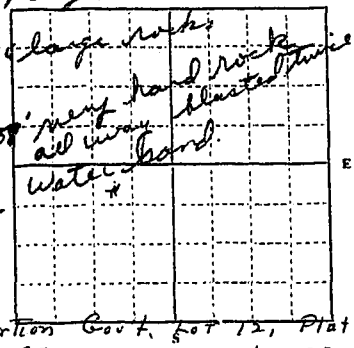
Discharge in gal. per min. of flowing well.....

How Tested bailed Length of Test 4 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).....

Top of Ground
0 rock + gravel
(Elev. above sea level.....)

60' gravel + rock
70' " "
75' Rock
77 gravel + clay
83 very Hard rock
87 clay + rock
93 sandy gravel
120 sandy clay
130 fine sand
133 hard shell
140 clay rock + gravel
147 pieces of bedrock + gravel, some sandstone very hard
149 boulders + gravel
160 boulders, gravel + clay
177 clay, rock + gravel
180 large rocks
200' very hard rock all way blasted twice
208 water



Portion Govt. Lot 12, Plat #522
SE 1/4 Sec. 20 T. 31 R. 33
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

141
Driller's License Number

Clifford J. Becker
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.

44,331

644

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 17th day of July A. D. 19 68 at 12:15 P. M.

Thomas L. Vaughn
County Clerk.

By: Mae Walen
Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
NOV 29 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County ...

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 Albert L. Campbell

Address Box 544

Big Sandy 59435

Date well started 12-55

completed 12-55

For Administrator's Use
File #912
Nov. 22, 1972 1:45 pm
GW 1

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

Equipment used Sludge (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

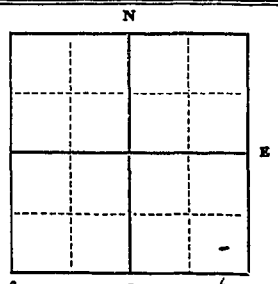
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 100,000 gal. per yr.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
2½"	2½"	0	42		50-5	
	2½ PR					



Static water level 3.2 ft.*
Pumping water level 4.1 ft.*
at 1 gallons per minute,
measured ... minutes after pumping began.
*Measured from ground level.
Well developed by Air & Sludge
for 3 hours.
Power ... Pump ... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) ...

Lots 7 & 8 Glacier Subd.
... ¼ ... ¼ Sec. 28
T. 31 (N) R. 23 E (W)

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

Driller's Signature Albert L. Campbell Owner

Driller's Address ...

... LICENSE NO. ...

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)	

42 Show exact depth of bottom

51,914

3 GW-2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
NOV 29 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County

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 Albert D. Campbell

Address Box 546

Livingston Montana 59935

Date well started 1955

completed 1955

For Administrator's Use
File #912
Nov. 28, 1972 1:45 pm
GW 1

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

Equipment used Sledge (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

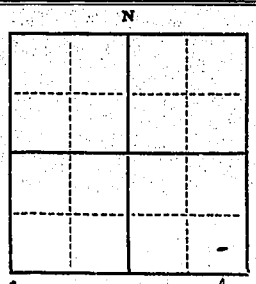
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 100,000 gal. per yr.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
2½"	2½"	0	42		50-½" sand pipe	
	2½ ea					



Static water level 32 ft.*
Pumping water level 40 ft.*
at 9 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by Pat Savage
for 3 hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Lot 7 & 8 Glacier Subd.
¼ ¼ Sec. 28
T. 31 N/S R. 33 E/W

R.D.B.

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

Driller's Signature Albert D. Campbell owner

Driller's Address

LICENSE NO.

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)	

42 Show exact depth of bottom

51,914

INDEXED 912

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 22nd day of
November A. D. 1922
at 1:45 P. M.
Eleanor L. Langhus
County Clerk.
By Pat Sinnott
Deputy.

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4855. 3

File No.....

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
JAN 30 1970

T. 31 R. 33

County Lincoln

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Top of Ground

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

4' sand hole
38 sand
43 gravel + water.

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 Ruben Hermann Address Libby Mont.

Driller C & L Pelbg Address Libby Mont.

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

Date well started 9/24/69 Date completed 9/24/69

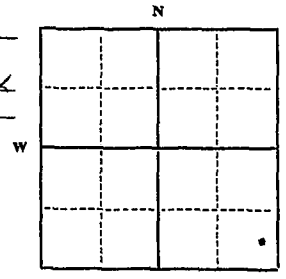
Type of well drilled (Dug, driven, bored or drilled) Equipment used Churn (Churn drill, rotary or other)

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 5/8 od	17 lb.	0	43'	1/2 Round	0	4'

Doc. No. 726
Filed for record
this 28 day of January
A. D. 19 70, at 2:05
o'clock pM.



Lot 1 Glardon Tracts
SE 1/4 SE Sec. 28 T. 31 R. 33
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 18 feet.

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

Pumping Water Level 25 feet at 10 gal. per minute.

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

How Tested bailed

Length of Test 2 hr

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

(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).

Show exact depth of bottom.

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.

141
Driller's License Number

Clifford J Bucher
Driller's Signature

46121

#726

STATE OF MONTANA
COUNTY OF LINCOLN

29th day of January A. D. 19 70
2:05 P. M.

Edward L. Vaughn
County Clerk

Verda L. Hughes
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—1931

File No.....

T. 31N R. 33

DUPLICATE

County Lincoln

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 19 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 2000')

Sandy soil

12' some water

16' water level in well

Clay

Gravel Sand

Gravel

40'

Owner Ruben Hamann Address Box 193 Libby, Mont

Driller..... Address.....

Date of Notice of Appropriation of Groundwater ✓

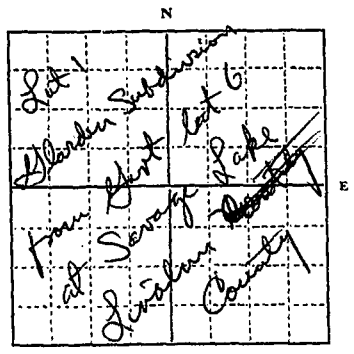
Date well started June 10/63 Date Completed June 17/63

Type of well driven (dug, driven, bored or drilled) Equipment Used driver (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)
✓	2" casing	✓	✓	✓	✓	✓



.....¼..... Sec. 28 T. 31 R. 33

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 16' feet.

Shut-in Pressure for Flowing Well ✓

Pumping Water Level Last Value of 30' feet at.....gal. per minute.

Discharge in gal. per min. of flowing well 440

How Tested Pumping Length of Test ✓

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).....

✓

Driller's License Number

Ruben Hamann

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.

10376

1744

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 11th day of December A. D. 19 62 at 3:32 P. M. M. M. Mansfield County Clerk

By Mae Watson Deputy

OW 2

File No.

DUPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—40472

T. 31 N R. 33 W 28

County Lincoln

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAR 5 1964
STATE ENGINEER

Top of Ground

(Elev. above sea level 2200)

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

HARD PAN 20'

Owner Leonard A. Neumann Address Rt 2 Lange Lake Troy, Mont.

Driller None Address —

Date of Notice of Appropriation of Groundwater May, 1963

Date well started MAY 1963 Date Completed MAY 1963

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

SAND 32'

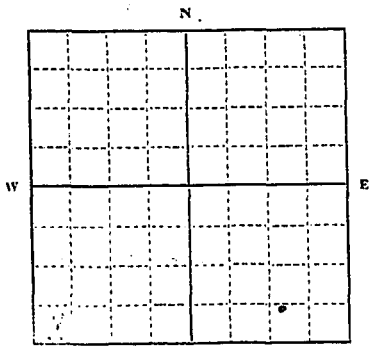
Water Use: Domestic ☑ Municipal ☐ Other ☐ Irrigation ☐ Industrial ☐ Drainage ☐ Stock ☐

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.

HARDPAN 39'

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
—	Size 2" 3.68#	0	49'	1/2" Round	46'	49'

SAND & WATER 49'



SE ¼ S.E Sec 28 T 31 R 33

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 37 feet.

Shut-in Pressure for Flowing Well —

Pumping Water Level 37 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well —

How Tested PUMP Length of Test 144 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) None

Leonard A. Neumann

Jesse A. Neumann

None
Driller's License No.

None
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.

35088

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 15th day of December A. D. 1963
at 9:59 a.m.

Marguerite Manspeaker
County Clerk

By Trudel Stephens
Deputy

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

28

File No.

T 31N R 33W

DUPLICATE

County Lincoln

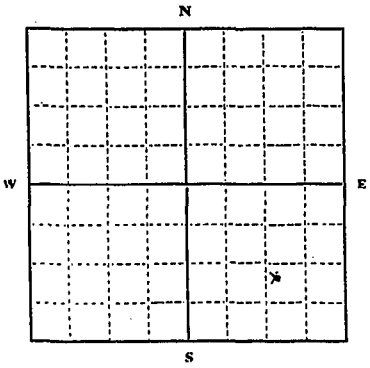
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAR 5 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Carl E. Nordin (Name of Appropriator), of Route 1, Box 546 (Address) Libby (Town)
County of Lincoln State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE ¼ SW¼ Sec. 28 T. 31 N. R. 33

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 and irrigation

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 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
Lots 5 and 6 of Permanent File No. 83, Lincoln County records, being a part of Govt. Lot 6 in Sec. 28, T31N, R33W — .4375 acres.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. well began and completed in June, 1959.

8. The depth of water table 7 feet from surface

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
driven well with 2" casing and 37 feet in depth.

10. The estimated amount of groundwater withdrawn each year 300,000 gallons

11. The log of formations encountered in the drilling of each well if available
entire depth of well is sand.

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

Signature of O[illegible]r Carl E. Nordin

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.

35127

399

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 31st day of December A. D. 19 63.
at 11:38 A. M.
M. M. Marshburn
County Clerk.
By Mae Hatten
Deputy

G

Approved Stock Form—State Publishing Co., Helena, Montana—1921 a 328

File No.....

T. 31 N R. 33 W

County Lincoln

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

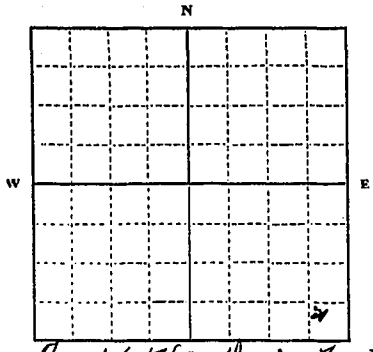
RECEIVED
DEC 19 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Mrs. Geo Parker, of Rt 1 Box 1485 Libby
(Name of Appropriator) (Address) (Town)

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



Tract 6, Van Dyke Tracts
SE 1/4 Sec 28 T. 31 R. 33

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 home use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1955 year round use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8.3 gal 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 yard lawn

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 1955

8. The depth of water table 38 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 38 ft. 2 inch pipe

10. The estimated amount of groundwater withdrawn each year house use & watering lawn.

11. The log of formations encountered in the drilling of each well if available
We drove well. With couple hard feet of clay.

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 Mrs. Geo Parker

Date Dec 12, 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.

10378

#176

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 12 day of December A. D. 1963 at 1:50 P. M.

M. M. Mansfield
County Clerk.

By Elena Vaughn
Deputy

GV

Approved Stock Form—State Publishing Co., Helena, Montana—4223

File No.....

T. 31 N R. 33 W C-28

DUPLICATE

County Lincoln

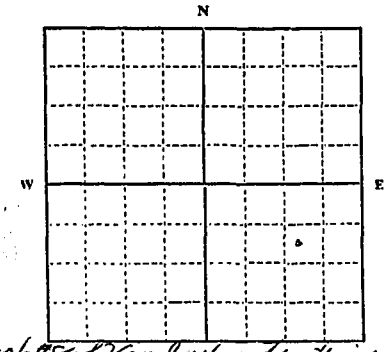
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 27 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. James H. Parker, of Rt 1 Box 405 Libby
(Name of Appropriator) (Address) (Town)
County of Lincoln State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Track #8 of Van Lykes Acres in Lot #6

SE ¼ Sec. 28 T. 31 R. 33

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 hold use and watering lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Was drilling Nov. 15th of 1961 only used in summer Months I Cabin on Savage Lake

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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 Not used for irrigation

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started the 15th of Nov and finished the 16th of Nov. 1961

8. The depth of water table 40' 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 was driving down fourty feet and have a 2" Casing

10. The estimated amount of groundwater withdrawn each year I don't have any Idea

11. The log of formations encountered in the drilling of each well if available The well was drove by Myself & Neighbor

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 James H. Parker

Date Dec 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.

33869

#272 INDEXED

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 3rd day of
December A. D. 19 63
at 9:30 A.M.
W. M. Mansfield
County Clerk
By Merle Nuffler
Deputy

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

File No.....

T. 31 N R. 33 W 28

DUPLICATE

County Lincoln

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
FEB 17 1964
STATE ENGINEER

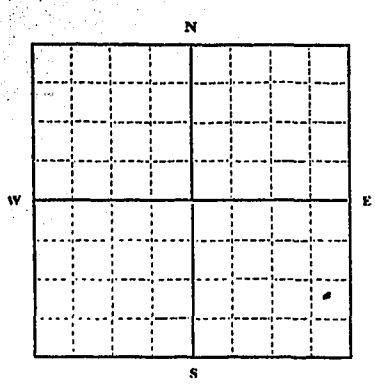
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Robert R. & Maxine H. Peterson (Right of Survival), of 115 Post St. Libby, Montana
(Name of Appropriator) (Address) (Town)

County of Lincoln State of Montana

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



SE ¼ Sec. 28 T. 31 R. 33

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, sprinkling

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: August 10, 1960, summer months

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 50 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: 2" casing, shallow well pump
Lots 3-4-5 Falls View, Sec. 28, T31, R33

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: August 10, 1960

8. The depth of water table: 10 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: 2" casing, shallow well pump

10. The estimated amount of groundwater withdrawn each year: 50,000 gal.

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

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

x Robert R. Peterson
Signature of Owner x Maxine H. Peterson

Date Dec. 23, 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.

34938

INDEXED #307

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 30 day of December A. D. 1963 at 4:20 P M.

M. M. Mansfield
County Clerk.

By Eleanor Vaughn
Deputy

GW-2

File No.

DUPLICATE

STATE WATER CONSERVATION BOARD
RECEIVED
SEP 13 1965
LOG

REFERRED TO

Approved Stock Form—State Publishing Co., Helena, Montana—4232

T 31N R 33W

County LINCOLN

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)

Top of Ground

(Elev. above sea level 2290')

SOIL

Clay

SAND

Clay

SAND

Clay

SAND

Hardpan

GRAVEL

42'

Show exact depth of bottom.

SCALE 1" = 50 ft.

Owner PETER R. POWELL Address TROY MONT

Driller SAME Address

Date of Notice of appropriation of groundwater

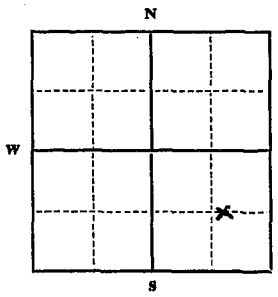
Date well started SEPT 2 1965 Date completed SEPT 5 1965

Type of well DRIVEN (Dug, Driven, bored or drilled) Equipment used Home made (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)
	2" Heavy Duty			1/3 H.P. jet	33'	52'6"



Static Water Level for non-flowing well 22.81 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level same feet

at 50 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested 1/3 H.P. jet pump

Length of Test 24 Hrs.

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

NW 1/4 Sec. 28 T. 31N R. 33W

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

In Lot 9 of Glendale Subdivision

(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.

Driller's License Number

Driller's Signature Peter Powell

59585

INDEXED

#504

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 10th day of
September A. D. 196 9
at 3:30 P. M.
M. M. Mayfield
County Clerk.
By Pat Blanchard
Deputy

GW

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

File No. .....

T. 31 R. 33

DUPLICATE

County Lincoln

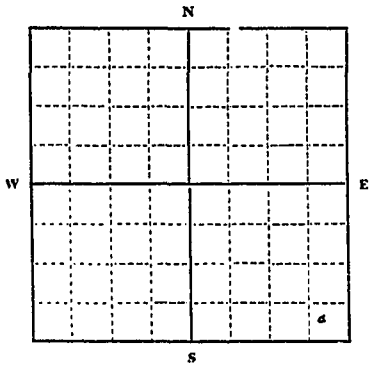
RECEIVED JAN 27 1964 STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. William M. Savage (Name of Appropriator), of Box 93 (Address) Troy (Town)
County of Lincoln State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE ¼ Sec. 28 T. 31N R. 33W

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 + Sanitation + lawn + Fire protection

3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 12-1953 in use continuously

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gallons

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 1/4 acre for lawn at residence of William M + Lorena Savage

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 Started July 5-1953 completed July 12-1953

8. The depth of water table 28 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 2" galvanized casing 28 feet deep

10. The estimated amount of groundwater withdrawn each year 144,000 gallons

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

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 Recorded in Book 102 of Deeds on Page 98

Signature of Owner William M. Savage

Date December 30-1963

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.

33889

294

INDEXED

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 30th day of December A. D. 19 63.
at 1:23 P. M.
W. M. Mansfield
County Clerk.
By Mae Mathson
Deputy

GV

Approved Stock Form—State Publishing Co., Helena, Montana—4223

File No.....

T. 31 N R. 33 W

DUPLICATE

County Lincoln

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

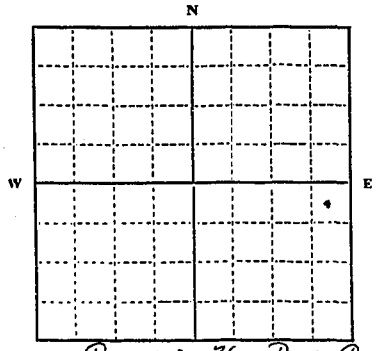
RECEIVED JAN 27 1964 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

HELEN I. SCHMETZ
I, Thomas A. Schmetz, of 1311 Mont Ave. Libby
(Name of Appropriator) (Address) (Town)

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



Tract 9, Von Dyke Tracts.

SE 1/4 Sec. 29 T. 31 R. 33

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 & Sprinkling

3. Date or approximate date of earliest beneficial use; and how continuous the use has been in Oct of 1960 and has been in use ever year since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) about 10 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 Not used for irrigation just sprinkling

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Well was started in Oct-60 and completed then

8. The depth of water table forty five 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 this well was hand drawn type a 2" pipe and is 45' deep from ground level

10. The estimated amount of groundwater withdrawn each year not measured so unknown

11. The log of formations encountered in the drilling of each well if available no log kept but formation was sandy with a Cobble mixed hard pan.

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 2 pounds of nothing

Helen I. Schmetz
Signature of Owner Thomas A. Schmetz

Date Dec 27-63

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.

33857

#262

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 27th day of
December A. D. 1963
at 1:55 P.M.
M. M. Mansfield
County Clerk.
By Verda Snyder
Deputy

GW 2

File No.....

T. 31N R. 33W

DUPLICATE

County Lincoln

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAR 22 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 2325 approx.)

static water level 83 ft

Gravel with varing amounts of clay 0' to 45'

Blue clay 45' to 274'

Varing grades of quick-sand 274' to 305'

A flow of water with quicksand and some course sand 305' to 309'

309' to 312' hardpan (hard clay and some sand)

312' to 313' Water gravel

312' bottom of casing

313' bottom of hole

Owner Bert Winslow Address Troy, Mont

Driller Wammack's Well Drilling Address Box 1047, Libby, Mont

Date of Notice of Appropriation of Groundwater June 1 61

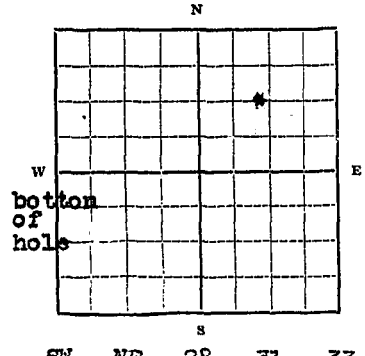
Date well started Jul 12, 61 Date Completed Aug 7 61

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 ☐

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 in	6 5/8 OD 24.97 lb.	0	312	none		



SW ¼ NE Sec 28 T 31 R 33

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 83 feet.

Shut-in Pressure for Flowing Well ----

Pumping Water Level 120 feet at 20 gal. per minute.

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

How Tested Bailing Length of Test 1 hour

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) None

118
Driller's License Number

L. Chas Wammack
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 School of Mines and Quadruplicate for the Appropriator.

4005

#53.

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 19th day of March A. D. 19 63 at 4:50 P. M.

M. M. Mansfield
County Clerk.

By Mae Nelson
Deputy

GV

Approved Stock Form—State Publishing Co., Helena, Montana—41921

29

File No.....

T. 31 N R. 33 W

DUPLICATE

County Lincoln

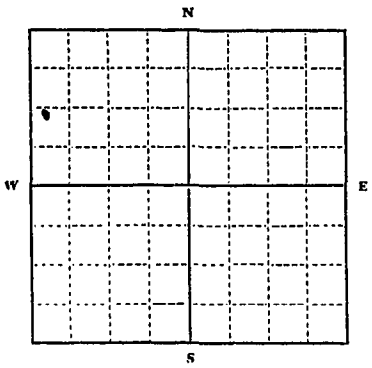
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 19 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Mrs Elfreda E. Day (Name of Appropriator), of 605 Michigan ave (Address) Libby (Town)
County of Lincoln State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW¼NW¼ Sec. 29 T. 31 R. 33

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 & irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1911 year round use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 feet deep 1½ feet

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 NE¼ NE¼ - S 30 T 31 R 33

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

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

8. The depth of water table 2 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 1 inch pipe line to the house

10. The estimated amount of groundwater withdrawn each year Domestic use & irrigation amount unknown gallons

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

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 Bk R 51 Page 333

Signature of Owner Mrs Elfreda E. Day

Date Dec 12, 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.

10379

#177

STATE ENGINEER

RECEIVED

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 12 day of December A. D. 19 63

at 1:35 P. M.

M. M. Mansfield
County Clerk

By Elena Vaughn
Deputy

3, GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
OCT 17 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Lincoln

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 St. Regis Land Development Corporation

Address 916 Washington Bldg., Tacoma, Washington 98402

Date well started 4/1/72

completed 5/22/72

For Administrator's Use
File 906
Oct. 16, 1972 9:40 a.m.
GW 1

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

Equipment used Churn (Chum drill, rotary or other)

Water Use: Domestic ☒ Municipal ☒ Stock ☐ Irrigation ☐

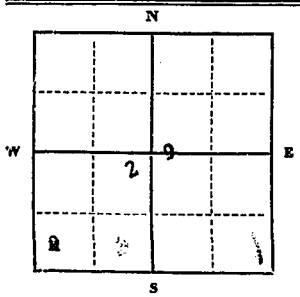
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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)
8"	24#	0	90'	none 20' 15slot Johnson well screen installed		



Static water level 40' ft.*
Pumping water level 50' ft.*
at 30 gallons per minute, measured minutes after pumping began.
*Measured from ground level.
Well developed by Test pumping for 30 hours.
Power 440 v Pump 5 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

SW ¼ SW ¼ Sec. 29
T. 31 (N) R. 33 (W)

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

Driller's Signature Clifford J. Bucker

Driller's Address Box "L" Libby, Montana 59923

LICENSE NO. 141

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	gravel
4	58	grey silty clay
58	65	fine sand w/water heaving
65	90	course sand water pea gravel

90 Show exact depth of bottom

51,623

906

STATE OF MONTANA
COUNTY OF LINCOLN } ss.

Filed this 16th day of October A.D. 1972
at 9:40 o'clock A.M.
Eleanor L. Vaughn
County Clerk
By Mae Watson
Deputy

GW

File No.

DUPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—42... 3

T. 31 R. 33

County Lincoln

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)

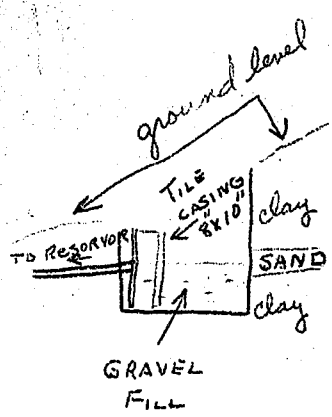
LOG

Top of Ground

(Elev. above sea level 1900 approx)

clay

sand 3ft



Owner Alford W LeCount Address Box 152 Troy Mont

Driller Same Address

Date of Notice of appropriation of groundwater Apr. 22, 1964

Date well started Apr 22, 1964 Date completed Apr 23, 1964

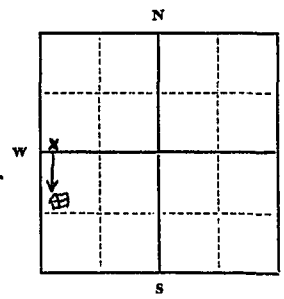
Type of well Dug (Dug, Driven, bored or drilled) Equipment used shovel (Churn drill, rotary or other)

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)
2'X3'	8"X10" tile	0	3	5/8 drilled	2	3

This well was dug for a gravity water supply in a clay side hill into a strata of sand about 4" thick. Total depth 3ft water level 2ft



SW. 1/4 NW Sec. 32 T. 31 R. 33

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

Static Water Level for non-flowing well 2 feet.

Shut-in Pressure for Flowing Well —

Pumping Water Level — feet at — gal. per minute.

Discharge in gal. per min. of flowing well 2

How Tested gravity flow

Length of Test

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

(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).

Show exact depth of bottom.

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.

Driller's License Number

Alford W LeCount
Driller's Signature

45656

708

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 17th day of September A. D. 19 69 at 2:15 P. M.

Eleanor L. Vaughn
County Clerk.

By Mae Watson
Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
AUG 21 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Lincoln

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: Vernon F. & or Myra L. Smith

Address: P. O. Box 652
Troy, Montana

Date well started: 5-10-66
completed: 5-29-66

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

Equipment used: Driver on Truck (Cable drill, rotary or other)

For Administrator's Use
File 888
July 26, 1972 2:15 p.m.
GW 1

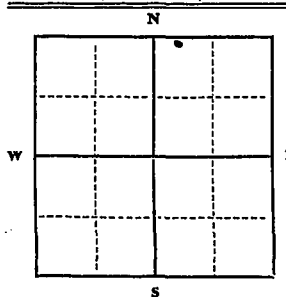
Water Use: Domestic [X] Municipal [ ] Stock [ ] Irrigation [ ]
Industrial [ ] Drainage [ ] Other [ ]* Garden/Lawn [X]

*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 25,000 Gal.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
4 in.	4 in. ¼ in. thick	Top of Ground	38	sand-point	34	38



NW ¼ NE ¼ Sec. 33
T. 31 N R. 33 E
Basham Tracts - Lot 2

Static water level 38 ft.*
Pumping water level 20 ft.*
at 6 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by pumping
for 4 hours.
Power Elect. Pump 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)
All driven pipe
automatic shut-off.
R.J.D.

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

Driller's Signature: Vernon F. Smith

Driller's Address: Troy Mont

Self drilled on own property.

LICENSE NO.

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	1	Topsoil
1	15	Sand
15	16	Hardpan
16	38	
Remainder		Sand

38 ft. Show exact depth of bottom

51,198

888

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 26th day of July A. D. 19 72 at 2:55 o'clock P. M.

Eleanor L. Vaughn
County Clerk

By Mae Watson
Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
AUG 21 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Lincoln

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 Vernon F. & or Myra L. Smith

Address Box [illegible]

Troy, [illegible]

The well was completed [illegible]

The well [illegible] (dug, bored or drilled)

Equipment [illegible] on [illegible] (Churn drill, rotary or other)

For Administrator's Use
Date 22
Aug 26, 1972 2:10 p.m.

Water Use: Automatic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

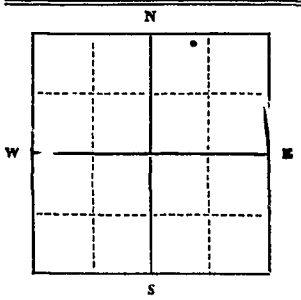
*Describe .....

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 20,000 Gal.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)
2 in.	2 in.	Top of Ground	38

PERFORATIONS		
Kind Size	From (Feet)	To (Feet)
Sand-point	34	38



NE ¼ NE ¼ Sec. 33
T. 31 (N) S R. 33 E (W)

Static water level 38 ft.*
Pumping water level 20 ft.*
at 6 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by pumping
for 4 hours.
Power Elect. Pump 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) All driven pipe
Automatic shut-off.
R.J.B.

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

Driller's Signature Vernon F. Smith

Driller's Address Troy Mont

Self drilled on own property LICENSE NO.

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	1	Topsoil
1	15	Sand
15	16	Hardpan
16	38 -	
Remainder - Sand		

38 ft. Show exact depth of bottom

51,197

887

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 26 day of July A. D. 19 72
at 2:18 P. M.
Eleanor L. Vaughn
County Clerk
By Mae Watson
Deputy

GW 4

Approved Stock Form—State Publishing Co., Helena, Montana—4221a

33

File No. .....

T 31 N R 33 W

DUPLICATE

County Lincoln

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAR 5 1964
STATE ENGINEER

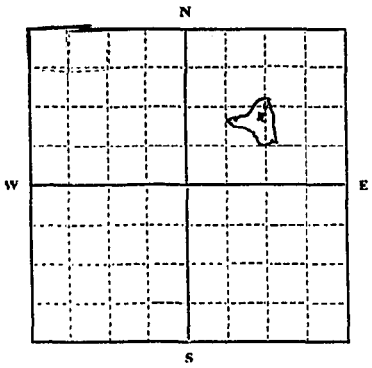
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. George J. Young (Name of Appropriator), of Bx. 295 (Address) Troy (Town)

County of Lincoln State of Montana

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



SW 1/4 NE 1/4 Sec. 33 T 31 R 33 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 Domestic use, Lawn + Garden Sprinkling. Fire protection.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Sept 1, 1961 Used every day since this date.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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 Garden + lawn Sprinkling of 1½ Acres. owned by George J. Young Total 12.336 Acres

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump with tank pressure system

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June 1, 1961 - Sept 1, 1961

8. The depth of water table 28 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 Depth of well 41 feet. Steel casing 4" diameter Concrete well house underground. Sanitary well seal.

10. The estimated amount of groundwater withdrawn each year 400,000 Gal.

11. The log of formations encountered in the drilling of each well if available Soil for 1' - Glacial Silt 25' - Coarse sand, fine gravel remaining depth.

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 table appears to remain same level in this valley area summer or winter

Signature of Owner George J. Young

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.

35146

421

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 9/21 day of December A. D. 1963 at 2:50 P. M.

M. M. Mansfield
County Clerk.

By Mae Hodson
Deputy

GW

Approved Stock Form—State Publishing Co., Helena, Montana—4223

File No.....

T 31 N R 33 West

DUPLICATE

County Lincoln

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAR 27 1964
STATE ENGINEER

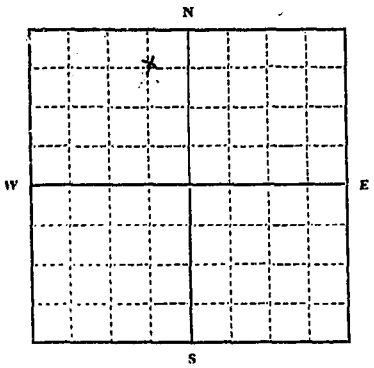
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. C. E. Weimann & Ola H. Weimann of Box 313 Troy
(Name of Appropriator) (Address) (Town)

County of Lincoln State of Montana

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



NE¼NW Sec. 33 T31 R.33

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 adequate water for family and home. Also maintenance of grounds, garden, stock, and irrigation.

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

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

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 Irrigation of approximately ten (10) acres desired in the furute.

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

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

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 well holding six inch casing. Depth of seventeen (17) feet. This depth is inadequate for normal home or family consumption. This well can be pumped dry rapidly. A new, or deeper well is required on this land.

10. The estimated amount of groundwater withdrawn each year unknown

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

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

C E Weimann

Signature of Owner

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.

35522

432

INDEXED

STATE OF MONTANA
COUNTY OF LINCOLN,

Filed this 31st day of December A. D. 19 63

at 12:16 P. M.

M. M. Mansfield
County Clerk.

By Mae Watson
Deputy

GW 2

Doc. No. 808

Filed for record this 12 day of November A. D. 19 71, at 8:55 o'clock P M.

MONTANA WATER RESOURCES BOARD RECEIVED NOV 16 1971

File No. _____

TRIPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—48557

T. 31 R. 33

County Lincoln

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 Wilcox Address Milnor Lake

Driller C & L Pump & Well Address Libby Montana

Date of Notice of appropriation of groundwater _____

Date well started 4-10-69 Date completed 4-11-69

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.

LOG

Top of Ground

(Elev. above sea level _____)

5' clay

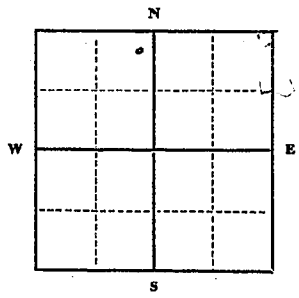
10' sandy clay

19' sand & gravel

49' blue clay water.

Show exact depth of bottom.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6 5/8 rd	#19	0	49'	1/2 round	0	4'



NE ¼ NW ¼ Sec. 23 T. 31N R. 33W

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

Static Water Level for non-flowing well 23 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 40 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested bailed

Length of Test 2 hrs

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

(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.

141

Driller's License Number

Clifford Brooks

Driller's Signature.

49403

808

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 12th day of November A. D. 19 71
2:35 P. M.
Eleanor L. Vaughn
County Clerk.
By Mae Watson
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—48557

File No.....

MONTANA WATER RESOURCES BOARD
RECEIVED
NOV 18 1968

T. 31 R. 33

DUPLICATE

County Lincoln

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Top of Ground

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

27 sandy loam
41 hard
43 Pea gravel & water

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 Julius Binder Address Libby Mont.

Driller C & L Pelby & Hy Inc. Address Libby Mont.

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

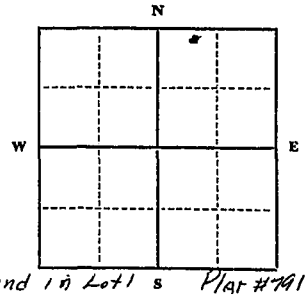
Date well started 10-30-68 Date completed 10-31-68

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"	#17	0	43	½ sd	0	4'



Land in Lot 1 s Plat #791

NE¼ NW¼ NE¼ Sec. 33 T. 31 R. 33

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

Static Water Level for non-flowing well 23 feet.

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

Pumping Water Level 27 feet at 30 gal. per minute.

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

How Tested bailed

Length of Test 2 hours

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

.....(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).

Show exact depth of bottom.

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.

141
Driller's License Number

Clifford J. Bucher
Driller's Signature

44,769

STATE OF MONTANA
COUNTY OF LINCOLN

Filed for record this 27th day of March A. D. 19 68 at 8:45 o'clock A M.

Clerk and Recorder
County Clerk

By Mae Walker Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana 404

STATE WATER CONSERVATION BOARD

File No.....

MAY 9 1966

T. 31 N R. 33 W 33

DUPLICATE

County Lincoln

Bille McDermott
Butzerin McNulty
Coyle Morton
Darlinton Sullivan
Dickert

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

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

left Clay

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Art Barr Address Libby, Mont.

Driller Donald McCracken Address Libby, Mont.

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

Date well started 7-9-64 Date Completed 7-9-64

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

45 Sandy Loam

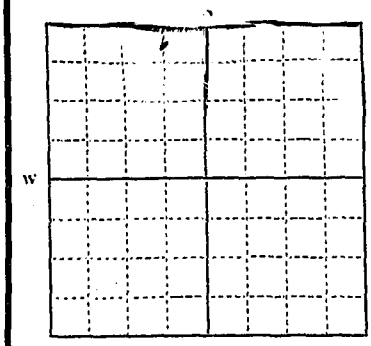
49 Sandy Gravel

52.7 Water Sand

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)
6¼"	4½"	8' below ground level	52.7'	½ inch	49	52.7



N½NE¼NE¼ Sec. 33 T. 31 R. 33

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 38 feet.

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

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

Discharge in gal. per min. of flowing well legal

How Tested Bailed Length of Test.....

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).....

141
Driller's License Number

Donald K. McCracken
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.

41030

INDEXED 545

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 5th day of May A. D. 19 66
at 1:30 P. M.
Eleanor L. Vaughn
County Clerk.

By ..... Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—40472

File No.....

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
JUL 10 1968

T. 31 R. 33

County Lincoln

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

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

35' clay
40 fine sand
pea gravel

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Jim Chance Address Troy Mont

Driller Cy L Pilgrim Address Box 6 Libby

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

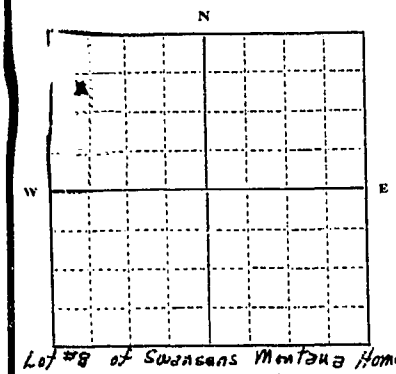
Date well started 6-15-68 Date Completed 6-15-68

Type of well drilled (dug, driven, bored or drilled) Equipment Used Churn (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 5/8 od	#17	0	45	1/2 Round	0	4



Lot #8 of Swansens Montana Homesteads
NW¼NW Sec. 24 T31N R.33W
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 25 feet.

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

Pumping Water Level 24 feet at 30 gal. per minute.

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

How Tested bailed Length of Test 2 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).....

141
Driller's License Number

Clifford Bucher
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.

44,300

642

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 5th day of July A. D. 19 68

at 2:35 P. M.

Shannon L. Vaughn
County Clerk.

By Mae Watson
Deputy

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

34

File No.....

T. 31 N R. 33 W PPM

DUPLICATE

County Lincoln

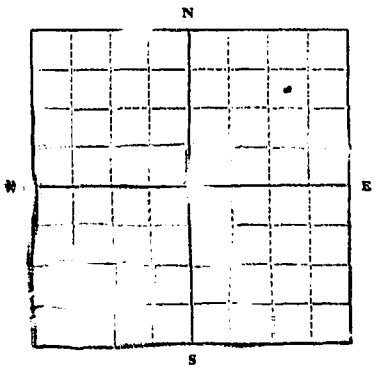
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 27 19

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ruby Swanson (Name of Appropriator), of (Address) Troy (Town)
County of Lincoln State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.W.¼ N.W.¼ Sec. 34 T. 31 N R. 33 W
5 Mi. S.E. Troy Mont.
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 fire protection, Sprinkling of grounds

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: 1 March, 1961 Continuous

4. Amount of groundwater claimed (in miner's inches or gallons per minute): 16 gals 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: Not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Elec. Pump 100' west of House on Lot 9 of Swanson's Montana Homesteads Homesites

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1 Feb. 1961 - 14 Feb. 1961

8. The depth of water table: 20 feet Approx.

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" Steel Casing, 45 feet

10. The estimated amount of groundwater withdrawn each year: 50,000 gals

11. The log of formations encountered in the drilling of each well if available: 37 ft Sandy Clay 8 feet Coarse Hard packed Sand

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: Ruby Swanson
By Harold W. Bilden Agent
Date: 23 Dec. 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.

33908

216

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 23rd day of December A. D. 19 35 at 9:25 A. M.

M M Mayfield
County Clerk.

By Mae Nelson
Deputy