GROUNDWATER INDEX

County Lincoln Twp. 30 North Rge. 30 West

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
14	Backen, Dan	GW-2	623	
15	Whitcomb, W. W.	GW-2	529	

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4047

File No.....

T. 30 R. 30

DUPLICATE

County Lincoln

MONTANA WATER RESOURCES BOARD
RECEIVED
MAR - 1 1968

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.....)

10' Rock + Sandy clay
20' Boulder
27' Rock + Sand some water
Rock
30' Water sand water

Owner Dan Backen Address Libby

Driller C. L. Pilky & Hy Son Address Libby

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

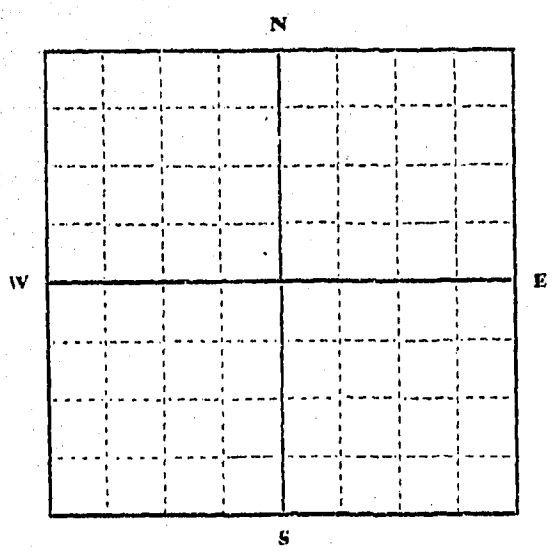
Date well started 12-7-67 Date Completed 12-11-67

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	30'	1/2 Round	0'	4'



E ¼ Sec. 14 T. 30N R. 30W

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 19' feet.

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

Pumping Water Level 21 feet at 15 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 L. Pucket
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.

43,696

623

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 26th day of February A. D. 19 68 at 10:25 o'clock A. M.

Eleanor L. Vaughn
County Clerk.

By Mae Watson
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4047

File No.....

T. 30 N R. 30 W 15

DUPLICATE

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)

Top of Ground

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

6' Rock
12' gravel
30' gray rock
36' sand & gravel
38' Water Sand
46' Bedrock.

Owner W. W. Whitcomb Address Box 184 Bonner Jct.

Driller C. L. Pelby & Co. Address Libby Mont.

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

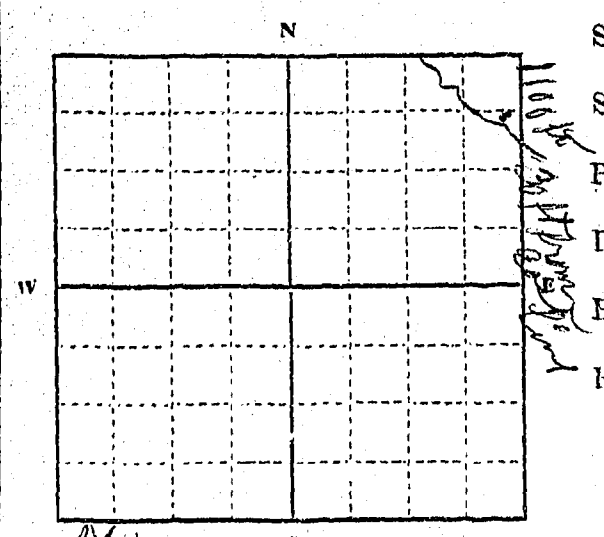
Date well started 11/15/65 Date Completed 11/20/65

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)
6¼"	17#	-0-	-46'-	½ Round Hole	-46'-	-42'-



SW ¼ Sec. 15 T. 29 N R. 30 W.

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

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

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

Pumping Water Level 38' feet at 10 gal. per minute.

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

How Tested Bailed Length of Test 3 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).....

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.

40724

529

STATE OF MONTANA
COUNTY OF LINCOLN } ss.

Filed this 4th day of January A. D. 1966
at 11:15 A. M.

Elizabeth Hughes
County Clerk

By Christine Hughes
Deputy

STATE WATER CONSERVATION BOARD
JAN 10 1966

Bills
Butzerin
Coyle
Dahlinton
Dickert
McDermott
McNulty
Marion
Sullivan

GROUNDWATER INDEX

County Lincoln Twp. 30 North Rge. 29 West

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
16	M. K. Co.	GW-2	712	
16	Montana Highway	GW-2	702	
17	Slauson, Patricia		579	
17	" "	GW-2	760	
18	U.S. Army/U.S.C.E.	GW-2	547	
25	Libby School Dist #4	GW-2	664	

GW 2

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

File No.....

MONTANA WATER RESOURCES BOARD
RECEIVED
OCT 9 1969

T. 30 R. 29

LINCOLN
County.....

DUPLICATE

LOG

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)

Top of Ground

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

17 cobbles & clay

21 sandy gravel

26 flakey sand

35 pea gravel fine sand some water comes in slow

40 gravel fine silt w/water

43 shell boulders

45 45 gravel

46 boulders

47 rock

Show exact depth of bottom.

Owner M.K. CO. Address LIBBY MONTANA

Driller C & L PLUMBING CO. Address LIBBY MONTANA

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

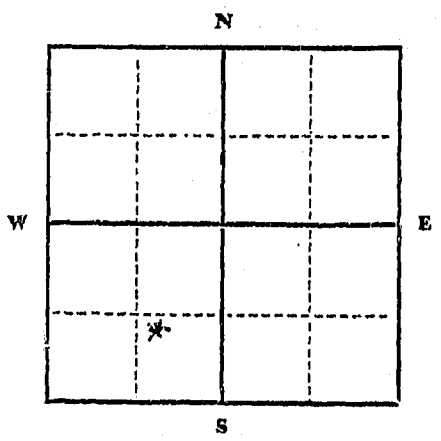
Date well started 9/13/69 Date completed 9/16/69

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"	17#	0	47	½ round	0	4



SE ¼ SW Sec. 16 T 30 R 29

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

Static Water Level for non-flowing well 5 feet.

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

Pumping Water Level 45 feet at 10 gal. per minute.

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

How Tested bailed

Length of Test 2hour

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 J. Bucher
Driller's Signature

45724

7/2

RECEIVED
OCT 9 1969
MORRISON-MAIDEN CO. INC.
CONTRACT 2407

STATE OF MONTANA
COUNTY OF LINCOLN
Filed October 9, 1969
at 9:45 o'clock A.M.
Shirley E. Vaughn
County Clerk.
By Mae Waters
Deputy.

GW 2

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

File No.....

T. 30N R. 29W

DUPLICATE

County LINCOLN

MONTANA WATER RESOURCES BOARD
RECEIVED
SEP 2 1969

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

LOG

Top of Ground

(Elev. above sea level 2170)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

0' - 1'	Topsoil.
1' - 24'	Sand and Gravel (Loose).
24' - 38'	Tight Clay and Gravel.
38' - 90'	Sandy Clay.
90' - 124'	Fine Sand.
124' - 130'	Gravel and Water.

Show exact depth of bottom.

Owner MONTANA HIGHWAY DEPT. Address KALISPELL

Driller William D. Lake Address Libby, Montana

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

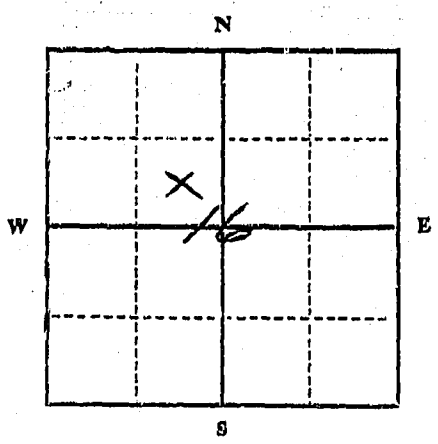
Date well started August 11, 1969 Date completed August 16, 1969

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. 17.00 lbs. per foot	0	130		None	



SE¼NW¼ ¼ Sec. 16 T. 30N R. 29W

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

Static Water Level for non-flowing well 63 feet.

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

Pumping Water Level 66 feet at 12 gal. per minute.

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

How Tested Pump

Length of Test 6 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).

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.

152
Driller's License Number

Wm D Lake
Driller's Signature.

45573

702

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 29th day of August A. D. 19 69 at 10:15 A.M.

Eleanor L. Vaughn
County Clerk.

By Mae Watson
Deputy

G.

Approved Stock Form—State Publishing Co., Helena, Montana—42234 3

File No. STATE WATER CONSERVATION BOARD

T. 30 N R. 29 W

DUPLICATE JAN 3 1966

County Lincoln

Bille McDermott
Butzerin McHaley
Coyle Sullivan
Darlinton
Dickert

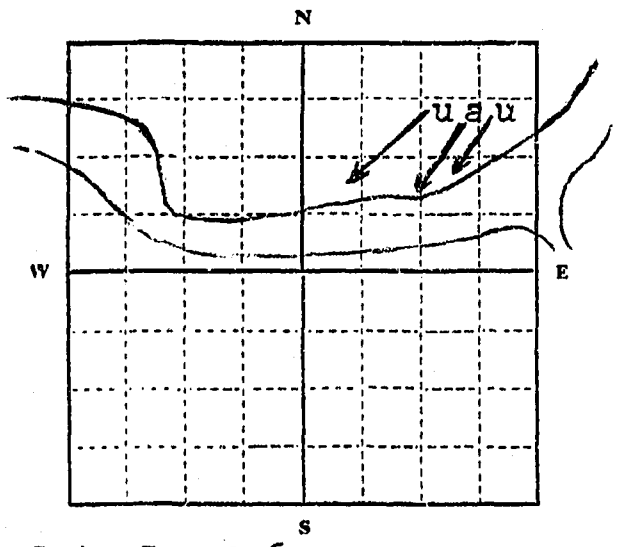
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Patricia Slauson, of Postoffice Box 141 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:



Lots 5 and 6 in
NE ¼ Sec. 17 T. 30 R. 29

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 livestock consumption and agricultural and horticultural purposes

3. Date or approximate date of earliest beneficial use; and how continuous the use has been About 1934 or earlier; continuous since that time

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 Government Lots 5 and 6, Section 17, Township 30 North, Range 29 West; owner Patricia Slauson; about 20 acres

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump and pipeline from well located in approximately southwest portion Lot 6 (or southeast portion Lot 5) in above mentioned section

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater About year 1934 or earlier

8. The depth of water table About 4 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 Timbered dug well about 6 feet square by 8 feet deep with electric motor driven pump and iron pipeline

10. The estimated amount of groundwater withdrawn each year 7,500,000 gallons

11. The log of formations encountered in the drilling of each well if available Gravel (log 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 (None now known)

Signature of Owner Patricia Slauson

Date 21 December 1965

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.

40320

519

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 30th day of
December A. D. 1965
at 10:05 P.M.
M. M. Mansfield
County Clerk
By Mae Watson
Deputy

MONTANA WATER RESOURCES BOARD
RECEIVED
DEC 7 1971

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

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 Patricia Slauson

Address No. Hwy 37
Libby, Montana

Date well started 9-22-70
completed 9-22-70

For Administrator's Use
File 760 November 30, 1970 12:30 P.M.
GW 1

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

Equipment used Churn (Churn drill, rotary or other)

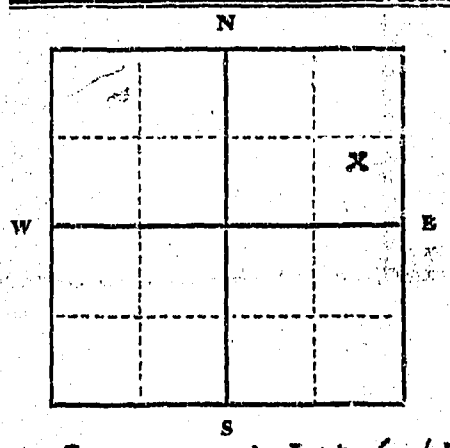
Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*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 3,000,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6 5/8"	6 5/8" 17#	0	41'	⅛" rd	37	41



Government Lot 6 (in)
SE ¼ NE ¼ Sec. 17
T. 30 N. N/S R. 29 W. E/W

Static water level 20' ft.*
Pumping water level 21' ft.*
at 20 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by bailer
for 2 hours.
Power Elec. Pump 1 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) Pressure valve 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 C & L Plumbing & Heating, Inc.
Box L, 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	7	Clay
7	20	Gravel in clay
20	25	Pea Gravel
25	30	Sandy gravel
30	32	Clay
32	41	Gravel & Sand (Water)

Show exact depth of bottom 41'

47857

Lincoln

Patricia Slauson,

s s is

(Notarial seal)

s

is

who engaged the contract driller

is

s s

Patricia Slauson

21st November 70

M Candee

Libby

12 January 71

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 30 day of December A.D. 1970 at 12:30 P.M. on Edward J. Vaughn County Clerk By Mae Walter Deputy

160

GW 2 STATE WATER CONSERVATION BOARD Printed Book Form—State Publishing Co., Helena, Montana—40472 3

JUN 1 1966

File No. ..... T 30N R 29W

DUPLICATE

Bille ..... McDermott .....
Butzerin ..... McNulty .....
Coyle ..... Morton .....
Darlinton ..... Sullivan .....
Dickert .....

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)

Top of Ground

(Elev. above sea level 2163)

0-15	clay and rock
15-27	hard pan clay
27-30	boulder
30-35	hard pan clay
35-37	gravel 1/2" to 3"
37-53	hard ~~[illegible]~~ pan boulders
53-54	hard shell
54-70	brown clay and rock
70-74	very hard shell
74-78	brown clay and rock
78-80	hard shell
80-87	water sand and water
87	bedrock

Owner U. S. Army UCCE ..... Address Libby, Montana .....

Driller C & L Plumbing and Htg. Address Libby, Montana .....

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

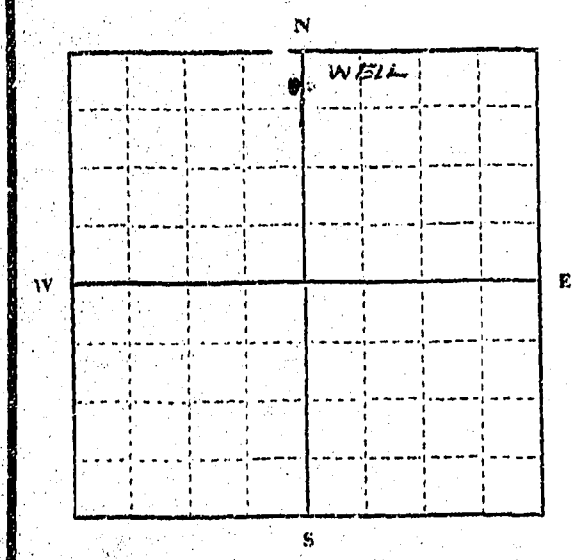
Date well started 4-26-66 ..... Date Completed 5-20-66 .....

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)
8"	8" - 25#	0	82	none		



NW ¼ NE Sec. 18 T 30N R 29W
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 62' feet.

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

Pumping Water Level 64' feet at 65 gal. per minute.

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

How Tested pump Length of Test 54 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) 8" stainless steel 15 slot johnson well screen 5' long swaged to bottom of string of pipe

141
Driller's License Number

Clifford J. Butzer
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.

41101

INDEXED

547

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 25th day of
May A. D. 1966
at 1:20 P M.
Eleanor L. Hawkins
County Clerk.
By Verda Hayden
Deputy

GW 2

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

File No.....

T. 30 N R. 29W P.M.M.

DUPLICATE

County LINCOLN.

Libby Reservoir Project.
LOG McGrade School Well.

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 Libby School Dist. No. 4 Address Libby, Montana. 59923

Driller C & L Plumbing & Heating. Address Box L. Libby, Montana. 59923

Date of Notice of appropriation of groundwater ----

Date well started 5-17-67 Date completed 8-18-67

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.

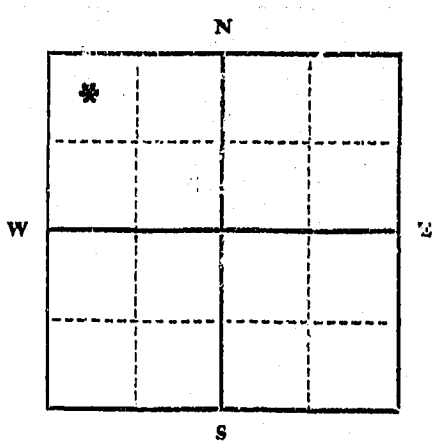
Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8 in.	17 lbs.	0	169'			

Top of Ground
(Elev. above sea level 2275)

10 Silty Gravel.
20 Clay
30 Silt Brown.
40
50
Sandy Silt.
60 Sand
70 Silty Sand.
80 Silty Sand Gray.
Clay
90 Clay Hard Pan.
100
110 Static Water Level 60'
Sand Coarse.
120
San d and silt lenses.
130
140 Sand and Gravel with some water.
150 Coarse Sand and Gravel.
160
166 Fin e Sand.
Bottom of hole 169'

Well Screen set Depth of 160 to 169'

Show exact depth of bottom.



NW ¼ NW ¼ Sec. 25 T. 30N R. 29W

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

Static Water Level for non-flowing well 61' feet.

Shut-in Pressure for Flowing Well ----

Pumping Water Level 133' 3" feet at 27 gal. per minute.

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

How Tested Pumped.

Length of Test 50 hours.

Remarks: (Gravel packing, cementing, packers, type of shutoff) Screen 60 Slot 8" Dia. Stainless Steel

(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).

Water Supply for McGrade School Well Libby School Districht No. 4

141

Driller's License Number

Driller's Signature. Cuffard L. Binder

44,771

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.

664

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 8th day of A. D. 19 60
at 2:35 P. M.
Clerk and Recorder
County Clerk.
By Mae Nelson
Deputy

GROUNDWATER INDEX

County Lincoln Twp. 30 North Rge. 27 West

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
22	U.S.A. / Dept. of Army Corps of Engineers	GW-2	666	
22	U.S.A. / Ranger Station			

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—48557 3

MONTANA WATER RESOURCES BOARD
RECEIVED
DEC 12 1968

File No.....

T. 30 N R. 27 W., M.P.M.

DUPLICATE

LIBBY RESERVOIR PROJECT

County LINCOLN

LOG Wolf Prairie Well

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 UNITED STATES OF AMERICA, BY & through Department of the Army, Seattle Dist. Corps of Engineers. Address 1519 Alaskan Way S. Seattle, Wash 98134

Driller C & L Plumbing & Heating. Address Box L. Libby, Montana. 59923

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

Date well started 30 Apr. 68 Date completed 20 June 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)
8 in.	7.7 lbs.	0	105			

Top of Ground

(Elev. above sea level 2975)

Silty Gravel w/ Cobbles. 18 to 24 inches in size.

Silty Sandy Gravel w/Cobbles 6 in. size.

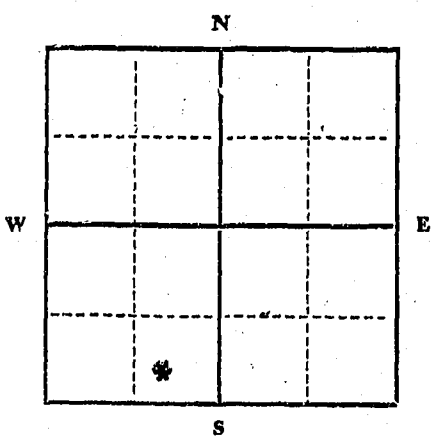
Silt, Gray No Water.

Screen set Depth 100' to 105'

Silty Sand w/ Pea Gravel.

Coarse Sand w/ occ pea Gravel.

Coarse Sand.
Show exact depth of bottom.
Bedrock: Bottom of Hole. 105'



Static Water Level for non-flowing well 12 feet.

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

Pumping Water Level 60' 4" feet at 45 gal. per minute.

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

How Tested Pumped.

Length of Test 12 Hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff) Well Screen 60 Slot. Stainless Steel 8" Dia. Length 5 feet.

Screen set Depth 100' to 105' SE ¼ SW ¼ Sec. 22 T. 30N R. 27W

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 use for Railroad Section Crew Quarters.

111
Driller's License Number

Clifford L. Fuller
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, tissue copy to be retained by driller.

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

Owner: UNITED STATES OF AMERICA By H. M. Christiansen
H. M. CHRISTIANSEN, Chief, Acquisition Branch, Real Estate Division, Seattle District, Corps of Engineers

5 NOV 1968

44,846

666

STATE OF MONTANA
COUNTY OF LINCOLN } ss.

Filed this 12th day of A. D. 1968 at 11:45 A. M.

Elizabeth A. Graham
County Clerk

By Mae Watson Deputy

File No. B-51-Pages 605-606 T 30N R 27W

ORIGINAL Lincoln Co. Montana County Lincoln

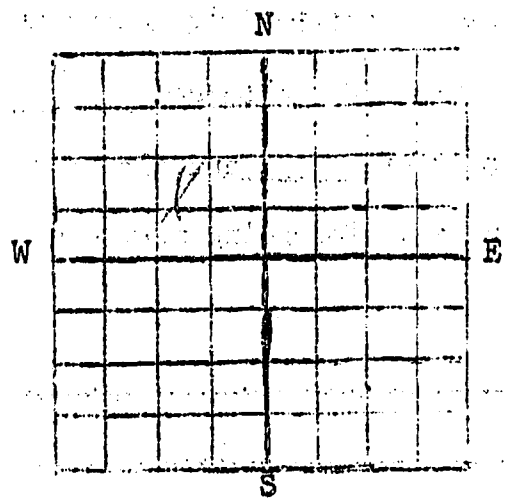
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
STATE ENGINEER

1. United States of America (Name of Appropriator), Fairview Guard Station Libby, Montana (Address) (Raven Ranger Station) (Town)

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



NW ¼ 22 Sec. T 30 R 27
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 drinking and home use by seasonal residents of Fairview Guard Station

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Well was dug prior to 1927.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 gal. per minute maximum

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 Water is withdrawn by means of a hand pump located in NE¼ Section 22, T30N,R27W,MPM

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 Dug well is 30 feet deep with hand pump. 8 feet of water at peak but well dries up in late summer.

10. The estimated amount of groundwater withdrawn each year An estimated 5000 gal. of water is withdrawn each year.

11. The log of formations encountered in the drilling of each well if available Not available. Well is on gravelly stream bank.

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, Lincoln County, Libby, Montana Book 51 Page 605, 606

J. Sandison Act Forest Supervisor
Kootenai National Forest
Signature of Owner ~~Libby, Montana~~

Date 3-5-62

-over-

1706

File No. B-51-Page 605-606 T 30N R 27W

ORIGINAL Lincoln Co. Montana County Lincoln

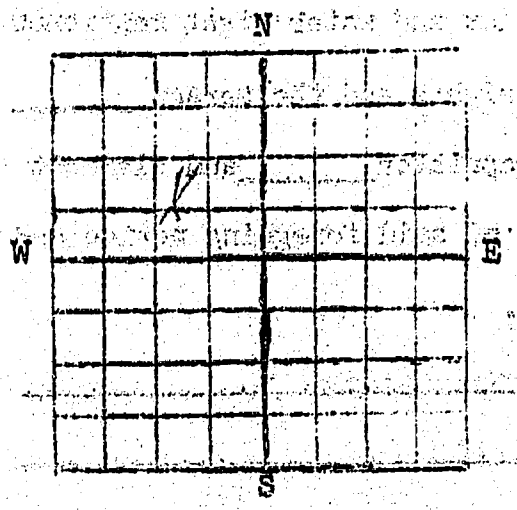
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
STATE ENGINEER

1. United States of America (Name of Appropriator), Fairview Guard Station Libby, Montana (Raven Ranger Station) (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:



NW 1/4 Sec. T 30 R 27
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 drinking and home use by seasonal residents of Fairview Guard Station

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Well was dug prior to 1927.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 gal. per minute maximum

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 Water is withdrawn by means of a hand pump located in NW section 22, T30N, R27W, MPM

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 Dug well is 30 feet deep with hand pump. 8 feet of water at peak but well dries up in latter summer.

10. The estimated amount of groundwater withdrawn each year An estimated 3000 gal. of water is withdrawn each year.

11. The log of formations encountered in the drilling of each well if available Not available. Well is on gravelly stream bank.

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, Lincoln County, Libby, Montana Book 51 Page 605, 606

J. Sanderson Act Forest Supervisor
Kootenai National Forest
Signature of Owner ~~Libby, Montana~~

Date 3-5-82

-over-

1706

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.

STATE OF MONTANA }
County of Lincoln } ss.

J. E. Sanderson representing the United States having first been duly sworn, deposes and says that he is of lawful age and represents the appropriator and claimant of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person whose name is subscribed thereto, as representative of the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

J. E. Sanderson
Act Forest Supervisor
Kootenai National Forest
Libby, Montana

Subscribed and sworn to before me, this 6 day of March, 19 62

Notary Public for the State of Montana
Residing at Libby, Montana
My Commission expires July 6 19 62

GROUNDWATER INDEX

County Lincoln Twp. 29 North Rge. 33 West

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
17	Gunnard, Kenneth	GW-2	926	
20	Wheeler Lumber Bridge & Supply Co.	GW-2	754	
20	St. Regis Land Devel. Corp.	GW-2	905	
32	Uhrner, Frank H.		140	
32	Wood, Dorothy M.	GW-2	690	

3 GW 2 Revised 1959
STATE PUBLISHING COMPANY

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 Kenneth Guinard

Address Route 2
Troy, Montana

Date well started 8/1/72
completed 8/7/72

For Administrator's Use
File 926
Feb 13, 1973
4:15 p.m.

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

Equipment used Other
(Churn drill, rotary or other)

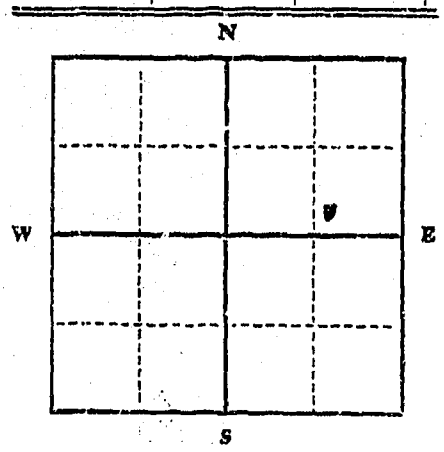
Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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)
3 in.	3 in. 8 lbs. per ft.	0	32	1/4 in x 6 long	29	31



SE 1/4 NE 1/4 Sec. 17
T. 29 N R. 33 W

Static water level 18 ft.*
Pumping water level 18 ft.*
at 30 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by pumping
for 4 hours.
Power gas Pump 2 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

Driller's Address Route 2 Troy, Montana

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	2	Top soil
2	18	Gravel and some water
18	20	Hardpan
20	24	Gravel
24	32	Gravel and water

32 ft. Show exact depth of bottom

52,455

INDEXED 926

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 13th day of February A. D. 19 73
at 4:15 P. M.
Eleanor L. Vaughn
County Clerk
By Mae Walton
Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

MONTANA WATER RESOURCES BOARD
RECEIVED
OCT 27 1970

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 Wheeler Lumber Bridge & Supply Co.

Address 1019 Pacific Avenue

Tacoma Washington 98402

Date well started 7-6-70

completed 7-14-70

For Administrator's Use
File 754
October 22, 19
9:50 a.m.
GW 1

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

Equipment used Churn
(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☒ Stock ☐ Irrigation ☐

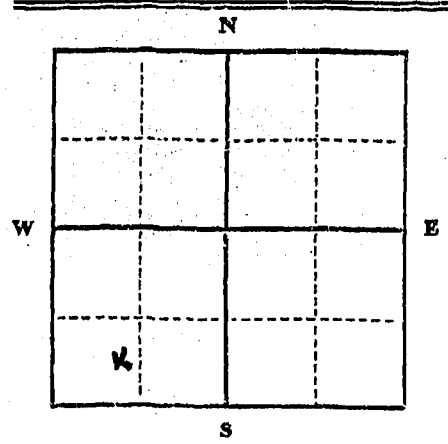
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 6,500,000 Gal.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8"	8" ID 24.7#	0	84	Shop Screen	72	82



SW ¼ SW ¼ Sec. 20
T. 29N N R. 33W ~~XXX~~ W

Static water level 19 ft.*
Pumping water level 60 ft.*
at 25 gallons per minute,
measured 45 minutes after pumping began.
*Measured from ground level.
Well developed by bailer
for 9 hours.
Power Electric Pump 1 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) Screen bottom 2' blanked - 10' 1" slots

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 C & L Plumbing & Heating, Inc.

Box L 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) 2335'

From (Feet)	To (Feet)	
0	38	Silty Sand & Gravel
38	54	Sand & Gravel - dry
54	64	Sand & 2 to 3" Gravel
		Some water
64	73	Coarse sand & gravel, silty
73	84	Coarse sand & gravel

84 Show exact depth of bottom

47684

7754

STATE OF MONTANA
COUNTY OF LINCOLN
Filed this 22nd day of
A.D. 19 70
at 9:50 A.M.
Eleanor L. Vaughn
County Clerk
By Mae W. Peters
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 5-30-72

completed 7-18-72

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

Equipment used Churn (Churn drill, rotary or other)

For Administrator's Use
File 905
Oct 16, 1972 9:31 a.m.
GW 1

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

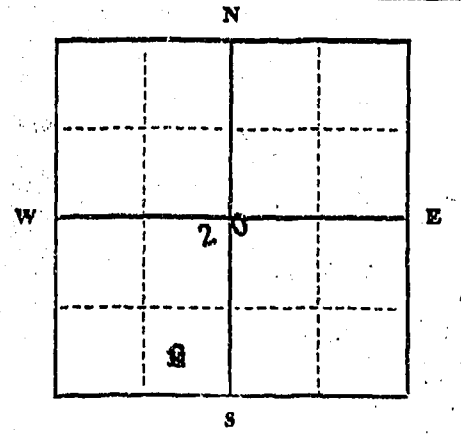
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe Angel Island Development

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"	17# 6 5/8 OD	0'	293'	Johnson well screen 20 slot	290'	300'



SE ¼ SW ¼ Sec. 20
T. 29 N. R. 33 E.

Static water level 50 ft.*
Pumping water level 275 ft.*
at 53 gallons per minute,
measured 10 ~~minutes~~ hours after pumping began.
*Measured from ground level.
Well developed by Bailer & air
for 6½ hours.
Power 240V Pump 5 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 F. Barker

Driller's Address Box L Libby, Mont. 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	150'	OLD WELL
150	211	COARSE SAND SOME FINES SOME PEA GRAVEL
211	227	SAND W/CLAY STREAKS
227	274	BROWN SAND VERY FINE HEAVING
274	295	COARSE SAND MORE WATER (BROWN)
295	310	GREY COARSE SAND MORE WATER

310 Show exact depth of bottom

51,622

905

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 16th day of October A. D. 19 72
at 9:35 o'clock A. M.
Eleanor L. Vaughn County Clerk.
By Mae W Atson Deputy

RECEIVED

OCT 17 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

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

... to be prepared by driller, ... three copies ... filed ... owner with the County Clerk and Recorder in the County in ... the well is located, last copy to be retained by ... ... owner all questions. If not applicable, so state, or use the ... to be returned.

Owner [illegible] Lumber Bridge Supply Co.

For Administrator Use

Address 1809 Franklin Avenue

Tacoma, Washington 98[illegible]

Date well started [illegible]

completed [illegible]

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 ☐* 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). .....

County [illegible]

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	2	Silty soil
2	33	Sandy Gravel w/ cobbles
33	35	Silty Sand
35	39	Silty Sand w/ clay
39	81	Fine Sand & Gray
81	87	Coarse sand - trace of silt
87	104	Fine Sand
104	110	Coarse Sand w/ gravel (Gravelly)
110	125	Fine silty Sand
125	131	Coarse Sand w/ Silt
131	136	Coarse Sand w/ pea gravel
136	145	Coarse Sand w/ pea gravel (silty)
145	150	Coarse Sand w/ pea gravel (clay silt)

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
[illegible]	[illegible]	0	150			

N

E

Static water level .....ft.*
Pumping water level .....ft.*
at .....gallons per minute,
measured .....minutes after pumping began.
*Measured from [illegible] level.
Well developed by .....
for .....hours
Power .....
Remarks: [illegible] cementing.

51,622

GW

Approved Stock Form—State Publishing Co., Helena, Montana—39080

File No.....

T. 29 N R. 33 W 32

DUPLICATE

County Lincoln

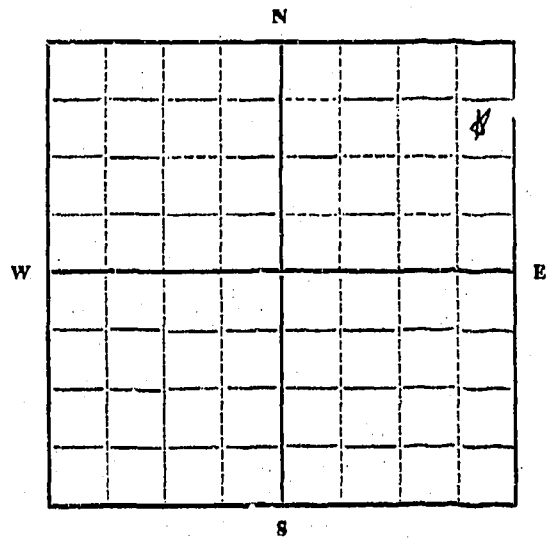
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
OCT 28 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. FRANK P. WARNER, of 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:



Lot 14
.....¼..... Sec. 32 T. 29 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
Human Consumption; Domestic use

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

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

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
pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
July 1949 - completed

8. The depth of water table 15 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
Driven well; 2½ inch casing
22 feet deep

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

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 available

Signature of Owner S/ Frank P. Warner

Date 10-10-63

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.

6668.

140

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 14th day of
October A. D. 1963
at 2:40 P. M.
Mary Mansfield
County Clerk
By Mae Hatton
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—42329 3

File No.....

T. 29 R. 33

DUPLICATE

County Lincoln

MONTANA WATER RESOURCES BOARD
RECEIVED
JUN 6 1969

LOG

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

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 257, Montana Session Laws, 1961)

Owner Dorothy M. Wood Address Libby, Mont.

Driller Al Becker Address Libby, Mont.

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

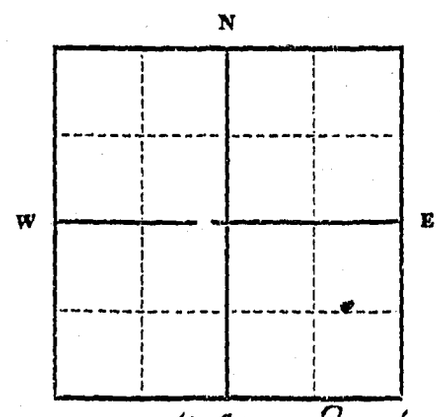
Date well started 1954-55 Date completed 1954-55

Type of well Driven (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)
3"						



Lot 13, Upham Beach

E½ SE ¼ Sec. 32 T. 29 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 .....feet.

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

Pumping Water Level 21 feet

at.....gal. per minute.

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

How Tested.....

Length of Test.....

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

.....(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

Driller's Signature

45,309

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 5th day of

A. D. 1969

at 3:55 P.M.

County Clerk

By Deputy

690

GROUNDWATER INDEX

County Lincoln Twp. 29 North Rge. 31 West

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	Deff, Robert	GW-2	761	
1	Montana Fish & Game		213	
1	Sigismond, Don	GW-2	672	
1	Thomson, Francis S		412	
1	Thomson, Irene	GW-2	658	
2	Beck, Allen	GW-2	619	
2	C. & R. Auto Sales	GW-2	872	
2	Decker, Olinger	GW-2	910	
2	Erickson, Duane	GW-2	651	
2	Erickson, Duane	GW-2	879	
2	Horn, Orbie		298	
2	Kessing, Donald	GW-2	485	
2	Lippert, Clarence A.	GW-2	532	
2	Thomson, Viana	GW-2	770	
2	Williams, Wallace	GW-2	463	
	Munson, Marvin			
3	Olive, Leroy	GW-2	494	
13	Bathman, Louis		306	
13	Bucke, Frank	GW-2	669	
13	Zellars, W. C.	GW-2	469	
13	" "		208	
14	Carpio, Eugenio L	GW-2	520	
34	U.S. Forest Service	GW-2	629	

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

County.....Lincoln.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

RECEIVED
DEC 16 1970

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 Robert Tuff

Address

For Administrator's Use
File 761
December 8, 1970
10:50 a.m.
GW 1

Date well started July 30, 1970

completed August 3, 1970

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

Equipment used Churn
(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

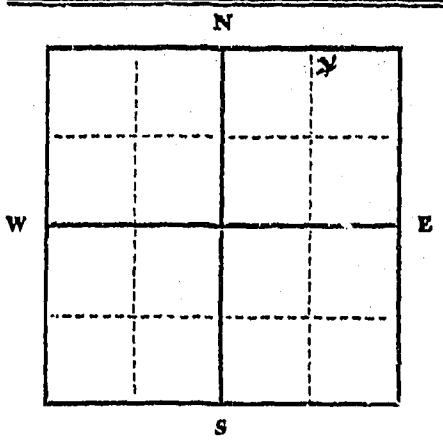
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 75,000 Gal.

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. 17.00 lbs. per foot	6	45	None		



NE ¼ NE ¼ Sec. 1
T. 29 N/S R. 31 E/W
Lot #3

Static water level ground level ft.*
Pumping water level 37 ft.*
at 3 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by Bailer
for 6 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 Wm D Lake

Driller's Address P. O. Box 967 Libby, Montana

LICENSE NO. 152

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	Well Pit
6	36	Clay and Gravel
36	37	Gravel and Water

37 ft. Show exact depth of bottom

47911

761

STATE OF MONTANA
COUNTY OF LINCOLN

File No. 161,590 Filed for record this 17 day of Sept A. D. 1970 at 8 o'clock A. M.

Eleanor L. Chaffin
County Clerk.

By Jane W. Tatem
Deputy

GW

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

File No.....

T. 29 N. R. 31 W.

DUPLICATE

County Lincoln

Libby Hatchery

RECEIVED

JAN 27 1964

STATE ENGINEER

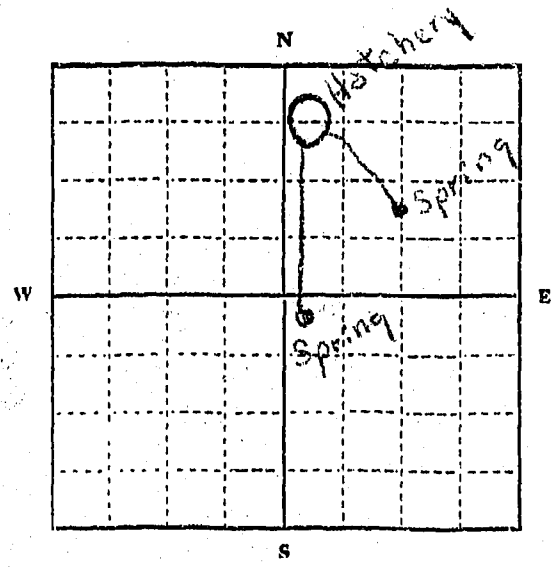
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Montana Fish & Game Commission, of Helena
(Name of Appropriator) (Address) (Town)

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



1/4 Sec. 1 T. 29 N. R. 31 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
Operation of Fish Hatchery

3. Date or approximate date of earliest beneficial use; and how continuous the use has been November 12, 1940

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 400.08 miner inches
10.02 cu. ft. per sec.

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
Gravity spring flow to 8 to 16" pipes

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater September 11, 1930

8. The depth of water table Not Applicable

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 Not Applicable

10. The estimated amount of groundwater withdrawn each year 4500 gallons per min. max.

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 Listed under the Fisheries Station
Book 51 - Pag 521

Mont. Fish & Game Comm.
Signature of Owner By Eugene P. McBride

Date 12/23/63

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.

33905

#213

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 23rd day of
Dec. A. D. 1963
at 8:45 A. M.
W. M. Mansfield
County Clerk.
By Verda Hughes
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—48557 3

File No.....

T. 29 R. 31

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
JAN 24 1969

County Lincoln

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Top of Ground

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

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

0'- 2' Sandy Topsoil.

2'-15' Sand, Clay, and Gravel.

15'-74' Sand and Gravel.

74'-90' Sand and Clay.

90'-120' Yellow Sandy Silt.

120'-130' Sandy Silt and loose Gravel.

130'-141' Clay and Gravel. (some water)

141'-165' Sandy brown Clay and Gravel.

165'-188' Sandy Clay and Gravel.

188'-192' Gravel with Water.

Show exact depth of bottom.

Owner Don Sigismond Address Box 304

Driller William D. Lake Address Libby, Montana

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

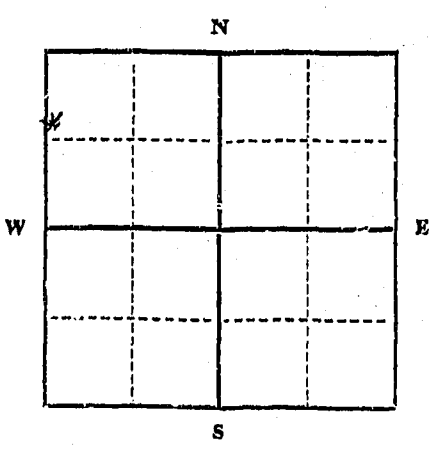
Date well started September 16, 1968 Date completed September 30, 1968

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. 17.00 lbs. per foot	0	192	none		



SW¼ NW¼ NW ¼ Sec. 1 T. 29 R. 31

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

Static Water Level for non-flowing well 115 feet.

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

Pumping Water Level 185 feet at 4 gal. per minute.

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

How Tested Bailer

Length of Test 5 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).

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.

152
Driller's License Number

Wm D Lake
Driller's Signature.

44,936

672

STATE OF MONTANA
COUNTY OF LINCOLN
Filed this 31 day of January A. D. 1969
at 5:00 o'clock P. M.
Eleanor [illegible]
County Clerk
By ..... Deputy

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234 3

File No. .....

T. 29 N R. 31 W

DUPLICATE

County Lincoln

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

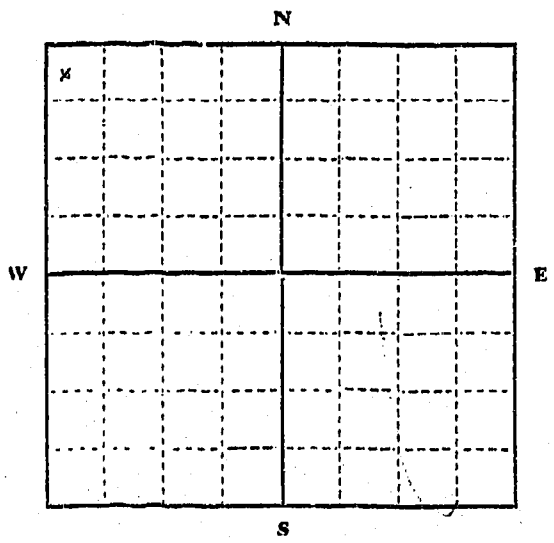
RECEIVED
MAR 5 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Francis S. Thomson, of Box 329-F Rt 1 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:



NW 1/4 NW Sec. 1 T. 29 R. 31

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 household use and outside, for land garden and livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Aug of 1957 all the time

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1½ gals. a 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 for lawn and garden

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Aug of 1957

8. The depth of water table 37 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 well 4 in. casing

10. The estimated amount of groundwater withdrawn each year 361,350 gals approximat.

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

Signature of Owner Francis S. Thomson

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.

35139

4/12

STATE OF MONTANA
COUNTY OF LINCOLN

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

at 4:30 P. M.

M. M. Mansfield
County Clerk.

By Mae Watson
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—48557 3

File No.....

MONTANA WATER RESOURCES BOARD
RECEIVED
OCT 17 1968

T. 29 R. 31

DUPLICATE

County Lincoln

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Top of Ground

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

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

0'- 4' Sandy Topsoil.

4'-6' Gravel and Boulders.

6'-35' Sandy Clay.

35'-55' Clay and Gravel seeping water.

55'-68' Clay with some Water.

Show exact depth of bottom.

Owner Gene Thomson Address 1213 Ln

Driller William D. Lake Address Libby, Montana

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

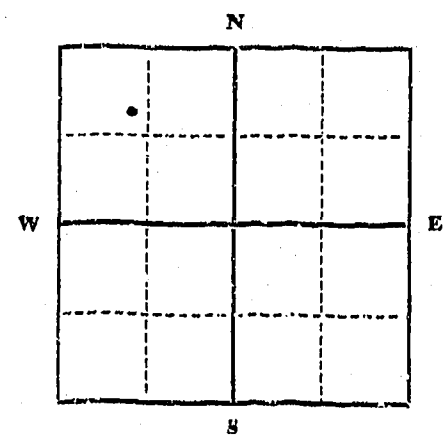
Date well started Sept. 10, 1968 Date completed Sept. 11, 1968

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, et 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. 17.00 Lbs. per foot	0	60	36 holes, 2 per foot, from 38' to 55'.		



NW1/4NW1/4 Sec. 1 T. 29 R. 31

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

Static Water Level for non-flowing well flowing feet.

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

Pumping Water Level 60 feet at 2 gal. per minute.

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

How Tested hailer

Length of Test 4 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).

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder 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.

152
Driller's License Number

Wm D Lake
Driller's Signature.

44,691

658

Notwithstanding to notwithstanding
law to affirm vs notwithstanding

EDGE J. VALENTINE CLERK CIRCUIT COURT

STATE OF ILLINOIS
COUNTY OF MONTGOMERY

Filed this 13th day of
A. D. 19 69
Clerk.
By Mae Walker Deputy

GW 2

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

File No.....

T 29 R 31

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
JAN 18 1968

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)

Top of Ground

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

30 Clay
50 Sandy Silt
70 Brn Blue Clay
77 Sandy Clay
85 Gry Clay
140 Brn clay + Rock
165 Clay Silt + Sandstone
200 Silt + Rock trace of water
232 Sand, gravel, silt, water 5 gpm.
232'11" Water. 5 to 10 gpm GPM

Owner Ellen Beck Address Libby Mont.

Driller C. L. Pelby & Hg Inc Address " " "

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

Date well started 10-20-67 Date Completed 10-30

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	228'11"	1/3 Rond	0'	4'

N

W E

S

N ½ Sec. 2 T 29 R 31

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

Static Water Level for non-flowing Well 100 feet.

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

Pumping Water Level 220 feet at 5 to 10 gal. per minute.

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

How Tested Baled Length of Test 3 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).....

Show exact depth of bottom.

141
Driller's License Number

Clifford J. Bucher
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; du[illegible] to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for t[illegible] opriator.

42,763

ENTERED

#619

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this January day of
15th A. D. 1968
at 2:30 P. M.
Eleanor L. Vaughn
County Clerk.
By Verda Hingdon
Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
JUN 1 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 G. & R. Auto Sales

Address Box 757
Libby, Montana 59923

Date well started April 24, 1972
completed April 25, 1972

For Administrator's Use
File 872
May 19, 1972 9:45 a.m.
GW 1

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

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

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

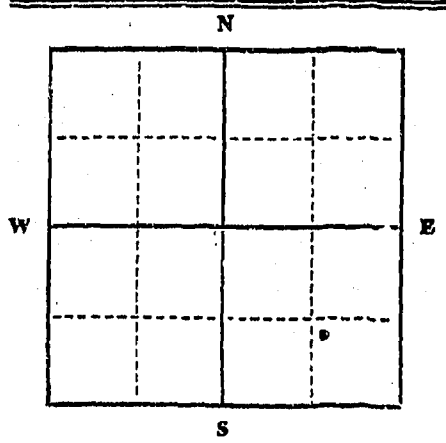
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 100,000 Gal. per year

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. 17.00 lbs. per ft.	0	96	None		



Static water level 82 ft.*
Pumping water level ft.*
at 15 gallons per minute,
measured 180 minutes after pumping began.
*Measured from ground level.
Well developed by air compressor for 3 hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

NW SE ¼ SE ¼ Sec. 2
T. 29 (N) S R. 31 E (W) R.J.D.

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

Driller's Signature Wm D Lake

Driller's Address P.O. Box 967
Libby, Mont. 59923 LICENSE NO. 152

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	30	Gravel and Boulders.
30	50	Sandy Clay.
50	94	Sandy Clay and Gravel.
94	96	Gravel and Water.

96 ft. Show exact depth of bottom

50,499

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 19th day of
Dec. A.D. 19 27
at 12:45 P.M.

Elizabeth [illegible]
County Clerk
By [illegible] Deputy

872

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
NOV 29 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 Oliver Decker & Margaret Decker

Address P. O. Box 661
Libby, Montana 59923

Date well started July 11, 1972
completed July 22, 1972

For Administrator's Use
File #910
Nov. 16, 1972 10:55 a.m.
GW 1

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 95,000 Gal. per yr.

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. 17.00 lbs. per ft.	0	215		None	

N
W E
S

S½ NE¼ NE¼ Sec. 2
T. 22 (N) S R. 31 E (W)

Static water level 85 ft.*
Pumping water level 210 ft.*
at 7½ gallons per minute,
measured 240 minutes after pumping began.
*Measured from ground level.
Well developed by air compressor
for 4 hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

R.J.G.

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

Driller's Signature Wm D Lake

Driller's Address P. O. Box 967
Libby, Montana 59923 LICENSE NO. 152

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	65	Sand.
65	210	Layers of sand, gravel, and clay.
210	215	Gravel and Water.

215 ft. Show exact depth of bottom

51,915

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 16 day of
September A. D. 19 72
at 10:00 o'clock A. M.
Elizabeth A. Wagner
County Clerk
By ..... Deputy

#910

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4047. 3

File No.....

T 29 R 31

DUPLICATE

County Lincoln

MONTANA WATER RESOURCES BOARD
RECEIVED
SEP 10 1968

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)

4' top soil
12' Clay & Rocks
22' silt
40' Pitch Sand
Brn Clay
64
65 gravel & water
80 Hardpan & clay
90' Rock & Clay
100' gray clay & sandstone
108' very Hard shell
112 hard shell
120 sand & gravel
140' Sandy Brn clay little water
145 water sand tight formation
150 coarse sand, water 5 gal per min
157 sand & gravel

Owner Duane Erickson Address Libby Mont.

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

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

Date well started 8-23-66 Date Completed 8-30-66

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	14#	-0-	157	1/2 Round	157'	153'

Static Water Level for non-flowing Well 75' feet.

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

Pumping Water Level 145 feet at 7 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, 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).....

W E S N

LAND IN SE1/4 SE1/4 Sec. 2 T. 29 R. 31

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

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.

44,585

651

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 17th day of September A. D. 19 68 at 3:05 p. M.

Eleanor L. Vaughn
County Clerk.

By Mae Wolson
Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED JUN 22 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: Duane Erickson and Loretta Erickson

Address: P. O. Box 598, Libby, Montana 59923

Date well started: May 4, 1972

completed: May 24, 1972

For Administrator's Use
File 879
June 20, 1972 4:05 p.m.
GW 1

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

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

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

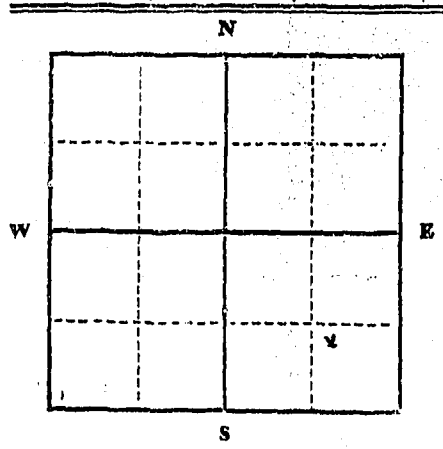
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 200,000 Gal. per yr.

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. 17.00 lbs. per ft.	0	337	None 5" liner set to 295 ft.		



N½ SE ¼ SE ¼ Sec. 2
T. 29 N R. 31 E W

Static water level 115 ft.*
Pumping water level 195 ft.*
at 3 gallons per minute,
measured 360 minutes after pumping began.
*Measured from ground level.
Well developed by air compressor for 6 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: Wm D Fake

Driller's Address: P. O. Box 967

Libby, Montana 59923 LICENSE NO. 152

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	18	Sand and Gravel.
18	176	Fine Red Sand.
176	256	Layer of Clay and Gravel.
256	258	Gravel, some Water (1 Gal. per min.)
258	307	Clay and Gravel.
307	317	Gravel, some Water.
317	337	Clay and Broken Rock.

337' Show exact depth of bottom

50,646

INDEXED 879

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 27th day of June A. D. 19 72

at 4:05 o'clock P. M.

Clerk.

By Mae Walters Deputy

G

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

File No.

T. 29 N. R. 31 W

DUPLICATE

County Lincoln

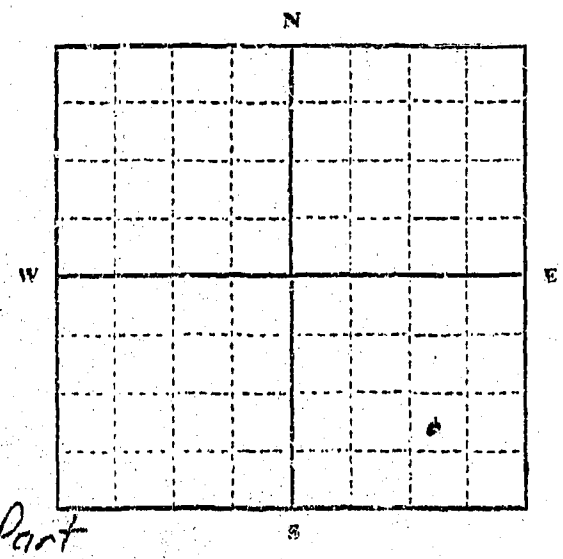
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
FEB 17 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. ARDIS E. HORN (Name of Appropriator), of Box 476 (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:



Part
N½ SE¼ SE¼ Sec. 2 T. 29 R. 31

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 1902 NOT CONTINUOUS

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

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
APP 10 ACRES
ARDIS HORN

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 UNKNOWN

8. The depth of water table 60'

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 SPRING FED - 20'

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

Signature of Owner Ardis E. Horn

Date 27 November 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.

34929

298

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 30th day of December A. D. 19 63.

at 11:46 A M.

M. J. Mansfield
County Clerk.

By Mae Witten
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4047

File No. .....

Duplicate

~~QUADRUPLICATE~~

T. 29 N R. 31 W

County Lincoln

RECEIVED JUN 3 1965 STATE ENGINEER

RECEIVED MAY 27 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)

Owner Donald Kaeding Address Libby, Montana

Driller C & L Plbg & Htg Address Libby, Montana

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

Date well started May 9, 1965 Date Completed May 13, 1965

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

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

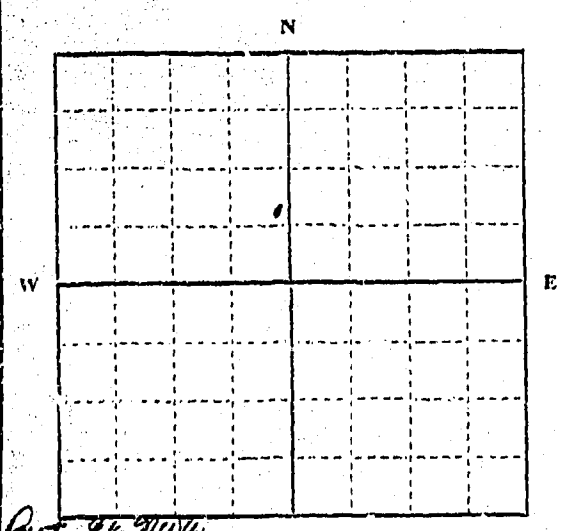
☞ Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

Top of Ground

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

0	
26	Hard pan + clay
50	Sandy clay
70	silt Little water
72	Hard Sand Shell
75	Sandy clay
88	Red clay hard
100	Clay + Rock hard
104	Sandy shell
115	Hard pan
131	Water Sand

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6 5/8 od	6 5/8 OD 17#	0	131	1/2" Round	125	131



Part E½ NW¼, W½ NE¼ Sec. 2 T. 29 R. 31 Part #997

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

Static Water Level for non-flowing Well 80 feet.

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

Pumping Water Level 113 feet at 13 gal. per minute.

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

How Tested Bailer 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) .....

Show exact depth of bottom.

141
Driller's License Number

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.

39156