

Form No. 18  
8-60

T. 30 R. 31

County Lincoln

**RECEIVED**  
JAN 2 1962

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

STATE ENGINEER

Water Well Log


Owner Benjamin Vaughn Address R. R. 1, Box 130, Libby, Mont

Driller Art Ottenbacher Address Kalispell, Montana

Date Started July 17, 1952 Date Completed July 20, 1952

Location: Sec. 4 T. 30 R. 31  $\frac{1}{4}$  sec. NW Corner of NWNWSE

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

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other \_\_\_\_\_

Casing: 0 ft. to 51 ft. Type Well Casing Size 6"

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations \_\_\_\_\_

Static water level, for non-flowing well: \_\_\_\_\_ feet.

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

Pumping water level 40 feet at 20 gal. per min.

How tested: Baler

Length of test  $\frac{1}{2}$  hours

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

Gravel Packing 30'; Cementing 5'

(over)



File No. ....

T. 30 N R. 31

DUPLICATE

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
FEB 17 1964

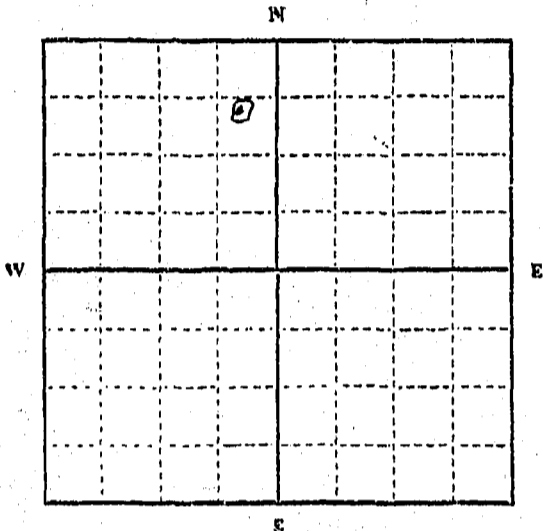
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Alfred L. Youso, of Rt. #1, Box 116c 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:



N.W. 1/4 Sec. 4 T. 30 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  
and sprinkling irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 2 gals. per minute  
Aug. 20, 1956  
continuous since

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
Tract 12 - Watered Tracts, NW 1/4 of Sec. 4,  
Township 30, No. of Range 31 West 11th M.,  
approximate 5.2 ac., Alfred L. Youso

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
well, 6" casing, 1" air discharge  
deep-well jet system

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Aug., 1956

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 2 pipe jet system, 6" casing, 1" air  
1 1/2" discharge, 5.2 ft. ground level

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

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

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  
attached

Signature of Owner Alfred L. Youso  
Darius C. Youso  
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.

317

RECORDED

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 31st day of  
December A. D. 1963

at 9:03 AM  
M. J. Mansfield  
County Clerk

By Mae Stoltz  
Deputy

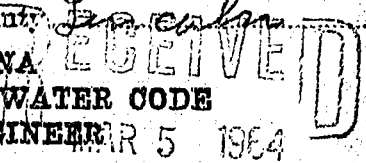
File No.....

T. 30 N. R. 3 E.

DUPLICATE

County Lincoln

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)

Owner Robert H. and Dana E. Walbran Address Rt 1 Box 1632 Libby Mont

Driller Esther J. Hagan Address Libby Mont

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

Date well started June 6 1961 Date Completed June 1961

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

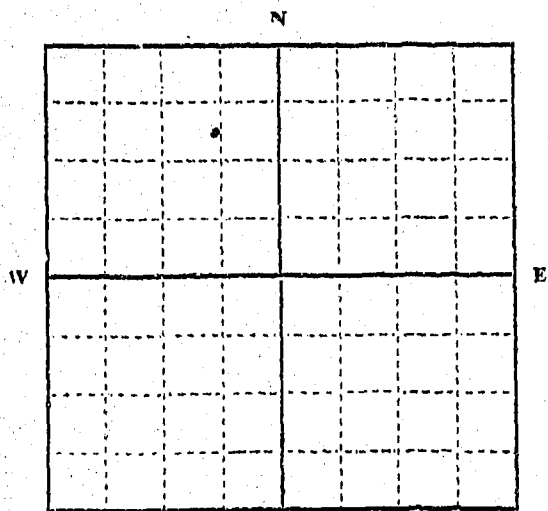
Water Use: Domestic  Municipal  Other  Irrigation   
Industrial  Drainage  Stock

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.



5 feet gravel  
8 ft clay  
3 feet sand water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
2 inch	2 inch	0	16		0	16



NE 1/4 Sec. 4 T. 30 N. R. 3 E.  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom. 16

Static Water Level for non-flowing Well 12 feet.

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

Pumping Water Level 14 feet at 26 gal. per minute.

Discharge in gal. per min. of flowing well 26

How Tested Electric Pumped Length of Test 3 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)

Driller's License Number

Esther J. Hagan  
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.

431 INDEX

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 31st day of  
December A. D. 1963  
at 2:15 P. M.  
M. M. Mansfield  
County Clerk  
By Mae Walker  
Deputy

File No. ....

T. 30 N R. 31 W

DUPLICATE

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
MAR 5 1963

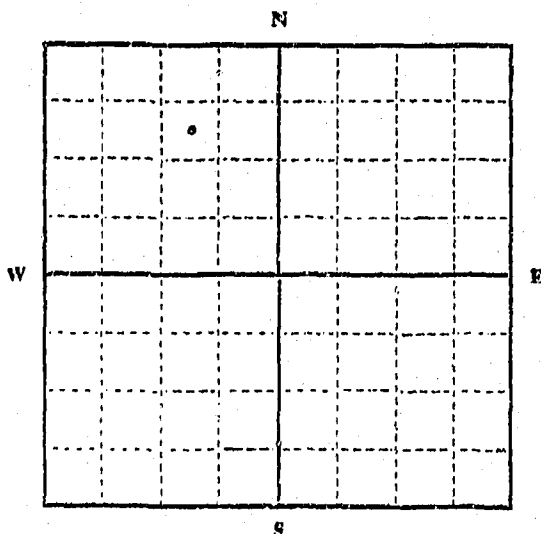
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1 Robert H. Dara E Swalrown, of Rt 1 Box 1632 Libby Mont  
(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:



N.E. 1/4, 14th Sec. 4, T. 30, 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. household  
Lawns and for 8 rentals

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. May 10 1950 and has been in use ever since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 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

Lawns and flowers and 8 rentals  
Robert H and Dara E Swalrown

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

Electric Pump Storage tank

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. May 10 1950 and Electric Pump installed

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

37 feet deep this well furnishes water for 8 rentals. All on our property surrounding well on 4 lots well located on lot 7 all 4 lot no are 6 and 7 and 16 and 17

10. The estimated amount of groundwater withdrawn each year

11. The log of formations encountered in the drilling of each well if available. sand gravel for 28 feet then clay and Hard Pan for 6 feet then sand and water

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 Robert H Dara E Swalrown

Date Dec 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.

430

INDEXED

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 31st day of  
December A. D. 1963  
at 12:14 P.M.  
Wm J Mansfield  
County Clerk  
By Maie Patton Deputy



File No.....

JAN 20 1967

T. 30 R. 31

DUPLICATE

Billie \_\_\_\_\_ McDermott \_\_\_\_\_  
 Butzoria \_\_\_\_\_ McFally \_\_\_\_\_  
 Coyle \_\_\_\_\_ Norton \_\_\_\_\_  
 Darlington \_\_\_\_\_ Sullivan \_\_\_\_\_  
 Dickert \_\_\_\_\_

County Lincoln

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

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

### Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

0'-17' Clay, gravel, and boulders.

Owner Robert Walraven Address Libby, Montana

17'-24' Gravel.

Driller William D. Lake Address Libby, Montana

24'-43' Sand and water.

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

Date well started June 10, 1966 Date Completed June 8, 1966

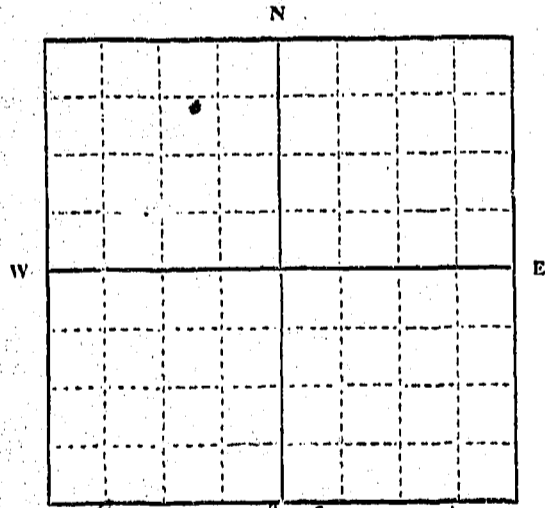
43'-48' Gravel, sand, and water.

Type of well drilled Equipment Used churn  
 (dug, driven, bored or drilled) (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" I.D.	6 5/8" O.D. 18.97 lbs. per foot	0	48	none		



Lot 16 Walraven tract  
 NE 4 NW 4 Sec. 4 T. 30 R. 31  
 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..... 24 feet.

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

Pumping Water Level..... 25 feet at..... 15 gal. per minute.

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

How tested..... pump Length of Test..... 1 hr.

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

152  
Driller's License Number

Wm D Lake  
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.

4/16/67

572

STATE OF MONTANA  
COUNTY OF LINCOLN

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 13th day of  
January A. D. 1917  
at 3:30 P.M.  
Elmer A. Vaughn County Clerk.  
By Pat Bunker Deputy

3d of 1917

(and all other)

to docket

to docket

(over)

18th, 1917

18th, 1917

18th, 1917

18th, 1917

18th, 1917

18th, 1917

18th, 1917

to docket

18th, 1917

18th, 1917

18th, 1917

18th, 1917

18th, 1917

18th, 1917

18th, 1917

File No.....

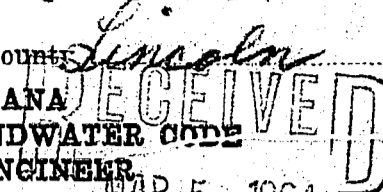
T. 30 R. 37

DUPLICATE

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

MAR 5 1964



### Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Dora Weljaven Address Libby, Mont

Driller C+L Ploj Address Libby, Mont

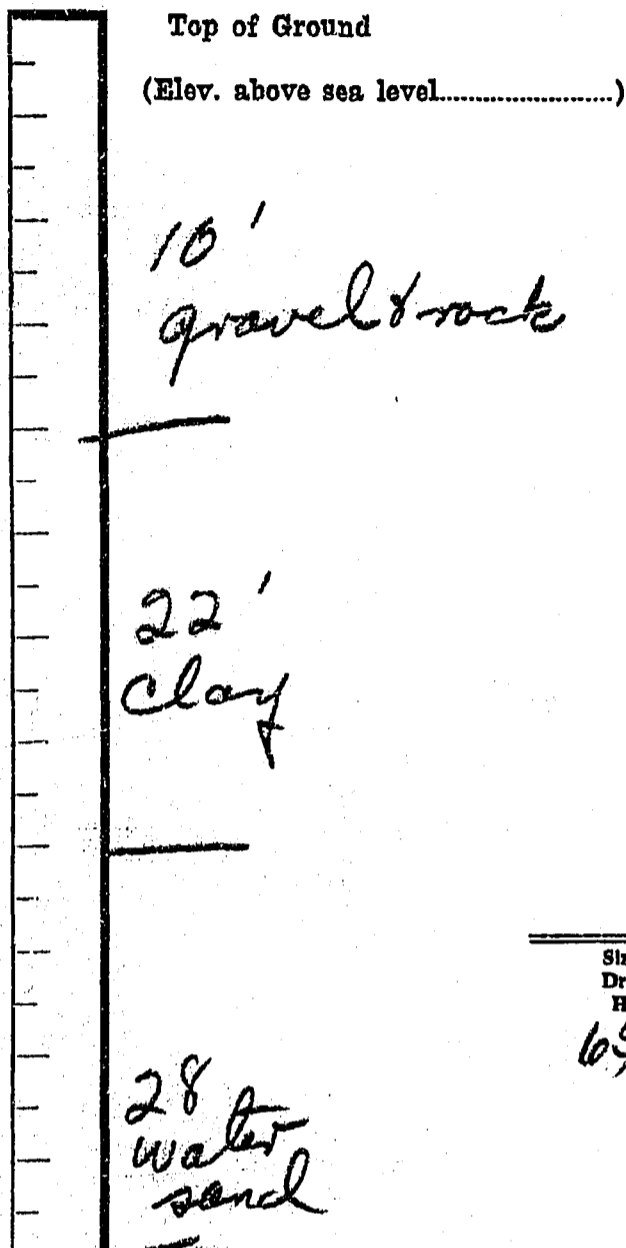
Date of Notice of Appropriation of Groundwater.....

Date well started June 7, 1963 Date Completed June 8, 1963

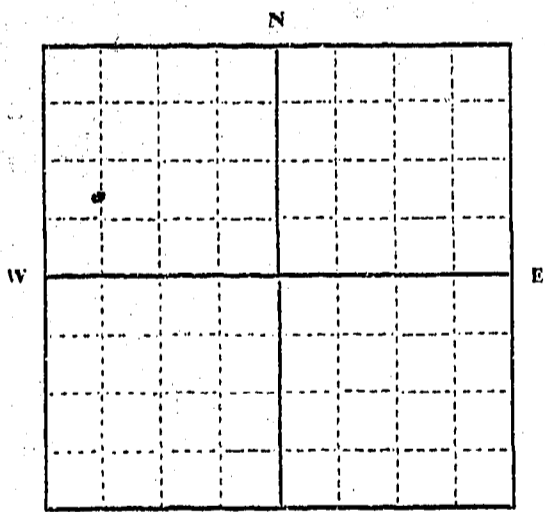
Type of well Drilled Equipment Used Churn  
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

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	6 5/8 17#	0	28	1/2" rd	22	28



Lincoln County - tract 6, 7, 16 & 17  
N. 1/4 Sec. 4 T. 30. R. 37  
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..... 22 feet.

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

Pumping Water Level..... 20 feet at 26 gal. per minute.

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

How Tested Bailer Length of Test 1 hr

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

141  
Driller's License Number

Sherman Morhead  
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.

429

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 31st day of  
December, F. D. 1963  
at 12/13  
By M. M. Mansfield County Clerk  
Mac Hatten Deputy

GW 2

Doc. No. 731  
Filed for record  
this 3 day of April  
A. D. 19 70, at 12:30  
o'clock P. M.

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

T. 30 R. 31  
County Lincoln

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.....)

- 0' -1' Topsoil.
- 1' -35' Sand, Gravel,  
Some Boulders.
- 35' -45' Sand, Gravel,  
with Water.
- 45' -55' Clay.

Owner Maurin J. Pentala Address Box 939B Libby

Driller William D. Lake Address Libby, Montana

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

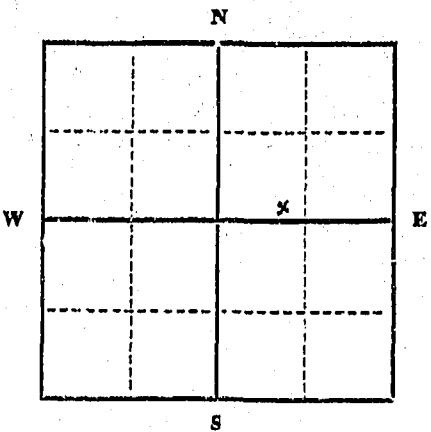
Date well started June 3, 1969 Date completed June 5, 1969

Type of well Drilled Equipment used Churn  
(Dug, driven, bored or drilled) (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	45	None		



Static Water Level for non-flowing well 33 feet.

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

Pumping Water Level 34 feet at 15 gal. per minute.

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

How Tested Pump

Length of Test 2 Hours

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

S4 1/4 NE Sec. 5 T. 30. R. 31.  
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).

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.

152  
Driller's License Number

Wm D Lake  
Driller's Signature.

46325

731

APR 7 1970

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 3rd day of April A. D. 1970

at 12:39 p.m. M.

By Charles L. Daugherty County Clerk

By Mac Weston Deputy

Division of Geological Survey  
Bureau of Mineralogy

MONTANA WATER RESOURCES BOARD  
RECEIVED

APR 7 1970

STATE OF MONTANA  
COUNTY OF LINCOLN  
Division of Geological Survey  
Bureau of Mineralogy

PLAT NO. 1234567  
SECTION 10, T. 12 N., R. 10 E., S. 24  
MONTANA WATER RESOURCES BOARD  
RECEIVED  
APR 7 1970

FILED  
APR 7 1970  
COUNTY CLERK  
STATE OF MONTANA  
COUNTY OF LINCOLN

GW 3

File No. MONTANA WATER RESOURCES BOARD

T. B. R. H. M.

DUPLICATE RECEIVED

County Lincoln

MAR - 1 1968 STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

### Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237-Montana Session Laws, 1961)

Date of Appropriation of Groundwater September 15 1967

Owner Leon M. Skell Address Rt. 2 RR-1607A

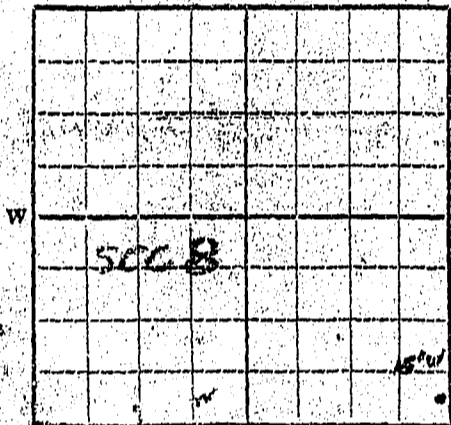
Libby Montana

Contractor (if any) none

Address of Contractor none

Date Started October 15 Date Completed 15 July 1968

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. This is a spring. A box was set in the ground with rock filter field. Box is approx 8x8x4. water will be taken out bottom. Plastic pipe will be used for line.



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

100 gal per hour. water was measured with a 50 gal drum. the use would be continuous.

SE 1/4 Sec. 8 T30N R. 11W

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

Signature of Owner Leon M. Skell

Date 20 Feb 1968

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

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

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

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

43,697

GW

File No. MONTANA WATER RESOURCES BOARD

T. 30 N. R. 31 W.

DUPLICATE RECEIVED

County Lincoln

MAR - 1 1968 STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

### Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater September 15 1967

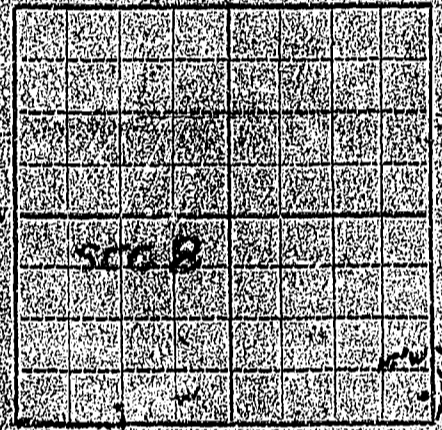
Owner Leon M. Hill Address Rt. 1607A Libby Montana

Contractor (if any) NONE

Address of Contractor NONE

Date Started October 15 Date Completed 15 July 1968

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes" Include depth to water when applicable. This is a vertical air lift set in the ground with rock filter pipe. Box is approx 3'x3', water will be taken out bottom. Plastic pipe will be used for line.



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

100 gal per hour, water was measured in a 50 gal drum, the use would be continuous.

SE 1/4 Sec. 2 T. 30 N. R. 31 W.

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

Signature of Owner Leon M. Hill

Date 20 Feb 1968

This form to be prepared by contractor (if any) otherwise by the owner.  
Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.  
Please answer all questions. If not applicable, so state, otherwise the form will be returned.  
Original to the County Clerk and Recorder, duplicate to the State Engineer, Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

43,697



621

2E  
10-10-11

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed by 20th day of  
February A. D. 1968

2:35 P.M.  
Clayton L. Vaughn  
County Clerk

By W. H. Watson  
Deputy

RECORDED  
1/10/68

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)

Owner Randall D. & Edith E. Teeple Address Libby Mont 59923  
RT 3 Box 11602

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

Date of Notice of appropriation of groundwater July 17, 1971

Date well started July 17, 1971 Date completed Oct 5, 1971

Type of well Dug Equipment used Pick & Back Hoe shovel  
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

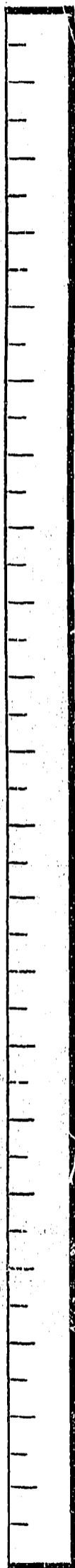
Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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.

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

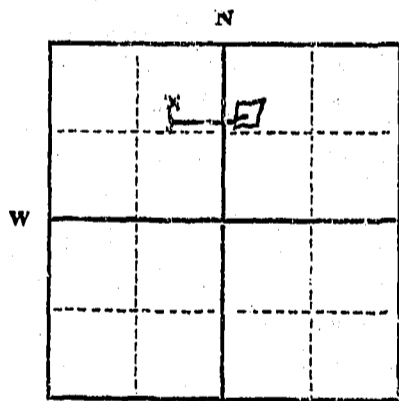
Well Eleven Feet  
Deep 7 Ft. away  
From Parmenter  
creek, south  
side of creek,  
on owners Property

strata ALL  
Rock and Gravel



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)
3 FT. Diameter	3 FT Concrete	0	9	Holes 1 1/2 inch concrete about 1 inch	0	3 FT
2 FT of dirt on top of covered casing						



Well Located  
NE 1/4 NW 1/4 Sec. 8 T. 30 N R. 31 W  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.  
hundred feet with about 235 ft rise. 1 1/2 inch Galvanized Pipe.

Static Water Level for non-flowing well 4 FT feet.

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

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

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

How Tested 3 HP Submersible

Length of Test Pump

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

Continuous running of pump

showed no drop in water

level pumping about 11

hundred feet with about 235 ft rise. 1 1/2 inch

Galvanized Pipe. (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).

For Domestic Water. Horses Garden Lawn House located in NW 1/4 NE 1/4 S 8 T 30 R 31

Driller's License Number L

Driller's Signature 49354

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.

802

INDEXED

STATE OF MONTANA  
COUNTY OF LINCOLN

RETURNED TO  
MAILING  
ADDRESS

Amount to pay  
Total amount

Notice of Commission  
Application by

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this \_\_\_\_\_ day of \_\_\_\_\_ A. D. 1971

at \_\_\_\_\_

By \_\_\_\_\_ County Clerk

DEPARTMENT OF REVENUE  
STATE OF MONTANA

Application by \_\_\_\_\_

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STATE OF MONTANA  
COUNTY OF LINCOLN

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STATE OF MONTANA  
COUNTY OF LINCOLN

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STATE OF MONTANA  
COUNTY OF LINCOLN

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RECORDED

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

001 89 1977

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.

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 Randall Teeple

Address Libby Mont

Date well started 8-3-72

completed 8-8-72

Type of well Drilled

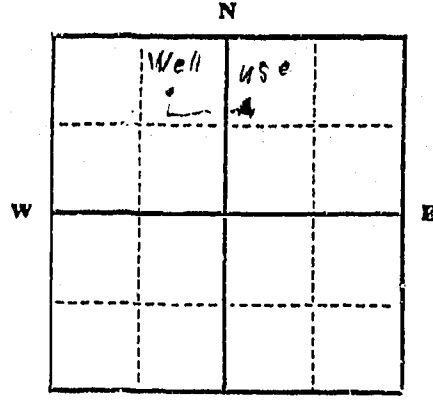
Equipment used Churn Drill

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)
<u>6 5/8 OD</u>	<u>1 1/2" 6 5/8 OD</u>	<u>+1</u>		<u>1/2" sand</u>	<u>27</u>	<u>30</u>



N.E. 1/4 NW 1/4 Sec. 8  
T. 30 N. R. 31

Static water level 0ft. ft.\*  
Pumping water level 25 ft.\*  
at 10 gallons per minute,  
measured ..... minutes after pumping began.  
\*Measured from ground level.  
Well developed by Balung  
for 3 hours.  
Power 230 Pump 3 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 Goldrich Drilling  
Driller's Address Donald J. McEachern  
Libby Mont

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
<u>0</u>	<u>8</u>	<u>overburden</u>
<u>8</u>	<u>16</u>	<u>clay &amp; clay</u>
<u>16</u>	<u>30</u>	<u>sand stone</u>
		<u>Water flowing from fault in Bed rock</u>

LICENSE NO. 222

30 Show exact depth of bottom

908

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 25<sup>th</sup> day of October A. D. 1972

at 10:15 P.M.  
Eleanor L. Vaughn County Clerk

By Mae Watson Deputy

RECORDED  
INDEXED  
FILED

DEPARTMENT OF REVENUE  
MONTANA

THIS RECEIPT IS VALID ONLY IF IT IS  
ISSUED BY THE COUNTY CLERK OF LINCOLN COUNTY

RECORDED IN BOOK 11 PAGE 115

INDEXED IN BOOK 11 PAGE 115

FILED IN BOOK 11 PAGE 115

RECORDED IN BOOK 11 PAGE 115

INDEXED IN BOOK 11 PAGE 115

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RECORDED IN BOOK 11 PAGE 115

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RECORDED IN BOOK 11 PAGE 115

INDEXED IN BOOK 11 PAGE 115

File No.....

T. 30 N R. 31

DUPLICATE

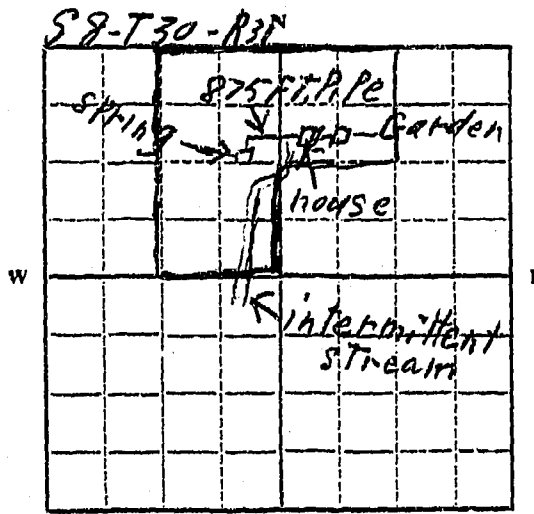
County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
APR 4 1963

Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1961)

1. Randall Teeple & Edith Teeple, of Route 1, Box 288 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:



NE 1/4 NW 1/4 Sec 8 T. 30 R. 31

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

- The beneficial use on which the claim is based domestic and irrigation water. Fire Protection
- Date or approximate date of earliest beneficial use; and how continuous the use has been November 1954 To Present. Continuous
- The amount of groundwater claimed (in miner's inches or gallons per minute) 100 gallons per minute
- 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 acre in NW 1/4 of NE 1/4 S. 8-T. 30-R. 31. Owners Randall Teeple & Edith Teeple. - 120 acres
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Spring in concrete Reservoir and piped to house and Garden Gravity flow. 2 inch pipe.
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Autumn of 1953 commenced - Completed November 1954
- The depth of water table Spring on side hill. flow varies.
- 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 concrete reservoir about 20 feet long contained from 3 feet deep to 4 feet deep - 3 feet wide. 2.50-3/8 inch pipes through concrete wall on upper side plus one 4 inch perforated pipe 8 feet long in to upper bank to gather water into Reservoir. 2 inch pipe from Reservoir to House. One inch pipe from House to garden.
- The estimated amount of groundwater withdrawn each year 100,000 gallons.
- The log of formations encountered in the drilling of each well if available mud-sand track structure is resting on dense rubbery hardpan. Plan on larger reservoir near house for more storage - to be filled during increased flow time
- 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 Randall Teeple, Edith Teeple  
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.

# 65

RECEIVED CIVIL ENGINEER

DECEMBER 10

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 19th day of March A. D. 1963

at 9:15 P. M.  
M. M. Mansfield  
County Clerk

By Mae Johnson  
Deputy

C

File No. ....

T. 30 N R 31

DUPLICATE

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
MAR 5 1964

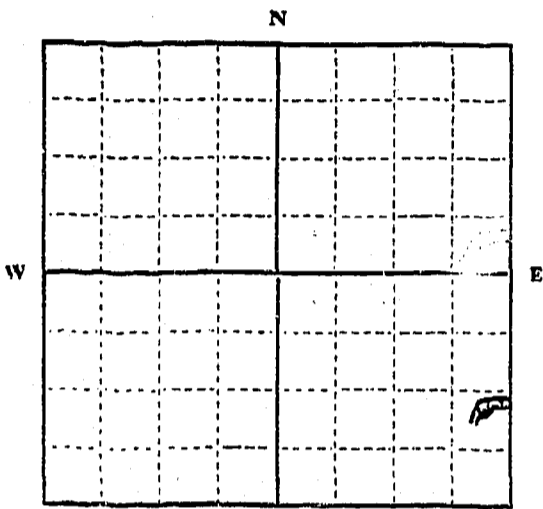
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Howard L. and Irene Loveless, of Box 44, 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:



N 1/2 NE 1/4 SE 1/4 S

1/4 Sec. 9 T. 30 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 Household use, lawn sprinkling and irrigation.
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 7/15/1950  
Daily use.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute.
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 4 acres of pasture land, occasional irrigation and lawn.  
H. L. Loveless owner.
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump.  
Well located 25' from house.
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 7/1/1950 started. Completed 7/15/1950
- 8. The depth of water table Approximately 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 Dig well - 24 feet deep.
- 10. The estimated amount of groundwater withdrawn each year 365,000 gallons
- 11. The log of formations encountered in the drilling of each well if available Rock, Gravel and 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  
Book 136  
Page 246 Lincoln County Courthouse, Libby, Montana

Signature of Owner Howard L. Loveless  
Irene Loveless

Date 12/31/1963

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.

35081



# 351

RECORDED

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 31<sup>st</sup> day of  
December A. D. 1963

at 9:51 A.M.  
M.M. Mansfield  
County Clerk

By Barbara Lyden  
Deputy

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

MONTANA WATER RESOURCES BOARD  
RECEIVED

DRILLER'S LOG

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

AUG 16 1971

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.

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 Katherine Leader  
Lewis Leader

Address Libby, Montana

Date well started 2-22-71

completed 3-21-71

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

Equipment used Churn  
(Churn drill, rotary or other)

Water Use: Domestic  Municipal  Stock  Irrigation

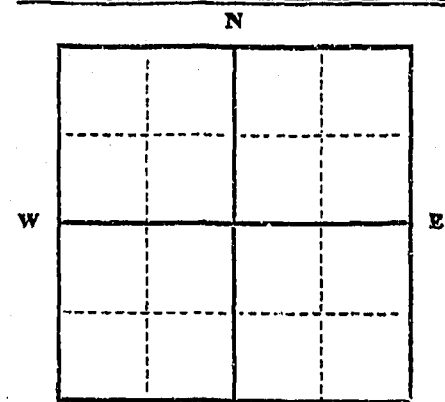
Industrial  Drainage  Other \* Garden/Lawn

\*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

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#	1	292	slots	286	292
	4 1/2" O.D. 11#	1	315	slots	295	315



Tract 3  
NW 9 SE 1/4 1/4 Sec. 9  
T. 3. S. N. R. 31 E

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 G. & L. Plumbing & Heating, Inc.

Box 1, Libby, Montana 59923 LICENSE NO. 141

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
15	25	Brown Clay
25	47	Blue Clay
47	66	Brown Silty Clay
66	85	Bl in Gray Clay
85	100	Blue Clay
100	132	Brown Clay w/ Boulders
132	144	Brown Clay w/ Cobbles
144	150	Boulders
150	170	Boulders in Clay
170	175	Cobbles in Clay (some water)
175	206	Gravel in Clay (Trace of water)
206	210	Blue Clay
210	214	Gravel in clay
214	225	Hard Sand Stone
225	225	Brown Silt
225	265	Brown Silty Clay
265	270	Clay in Gravel (some water)
270	275	Gravel & Cobbles
275	290	Gravel & Silt (Trace of water)
290	305	Gravel & Cobbles in clay
305	318	(Trace of water)
		Broken rock w/ clay seams

Static water level 261 ft.\*  
Pumping water level 300 ft.\*  
at 3-1 gallons per minute,  
measured 30 minutes after pumping began.  
\*Measured from ground level.  
Well developed by baller  
for 10 hours.  
Power..... Pump..... HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff)

318 Show exact depth of bottom

48873

INDEXED #789

STATE OF MONTANA  
COUNTY OF LINCOLN

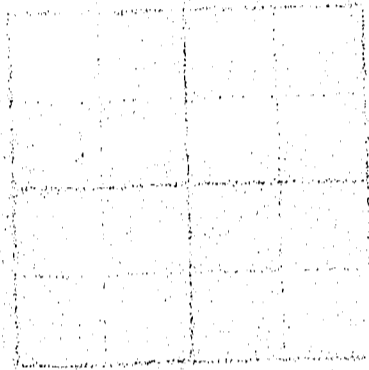
Filed this 11th day of

August A.D. 1921

at 1945

Eileen R. Vaughn  
County Clerk

By Deputy



The main body of the document is a large, faint grid or ledger table. It consists of numerous columns and rows, with some text and numbers scattered throughout, but they are mostly illegible due to the low contrast and graininess of the scan. The grid appears to be a standard ledger format used for recording data.

RECEIVED

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

DRILLER'S LOG

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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.

(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 Leon M. Hill  
Mrs. Leon M. Hill  
Address Rt. 3 - Box 1607A  
Libby, Montana

For Administrator's Use	
File <u>857</u>	<u>April 1972</u>
<u>2:30 P.M.</u>	
GW <u>1</u>	

Date well started Feb. 8, 1972

completed March 8, 1972

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

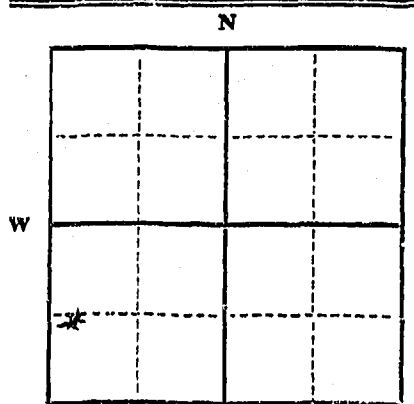
Equipment used Churn Drill (Churn drill, rotary or other)

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 80,000 Gal. per year

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>6" I.D.</u>	<u>6 5/8" O. D. 17.00 lbs. per foot</u>	<u>0</u>	<u>209</u>	<u>1 1/2" liner from 198' to 209'. Bottom 6' of liner is perforated from 203' to 209'.</u>		



Static water level 194 ft.\*  
Pumping water level 199 ft.\*  
at 8 gallons per minute, measured        minutes after pumping began.  
\*Measured from ground level.  
Well developed by bailer for 4 hours.  
Power        Pump        HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff) \_\_\_\_\_

SW 1/4 1/4 Sec. 9  
T. 30 N. R. 31

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

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
<u>0</u>	<u>1</u>	<u>Topsoil</u>
<u>1</u>	<u>23</u>	<u>Clay and Gravel, Boulders</u>
<u>23</u>	<u>100</u>	<u>Sandy Clay and Gravel</u>
<u>100</u>	<u>120</u>	<u>Sandy Gravel and some Water, app. 1 G.P.M.</u>
<u>120</u>	<u>140</u>	<u>Blue Clay</u>
<u>140</u>	<u>160</u>	<u>Yellow Clay</u>
<u>160</u>	<u>175</u>	<u>Clay and Gravel</u>
<u>175</u>	<u>180</u>	<u>Large piece of Flat Rock</u>
<u>180</u>	<u>205</u>	<u>Broken Rock and Clay</u>
<u>205</u>	<u>209</u>	<u>Broken Rock with Water</u>

209' Show exact depth of bottom

857

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 5th day of April A. D. 1972

at 2:30 P.M.  
Calvin L. Daugherty County Clerk

By Mae Watten Deputy

RECORDED  
INDEXED

APR 11 1972  
COUNTY CLERK

C

File No.....

T. 30 N R. 31

DUPLICATE

County Lincoln

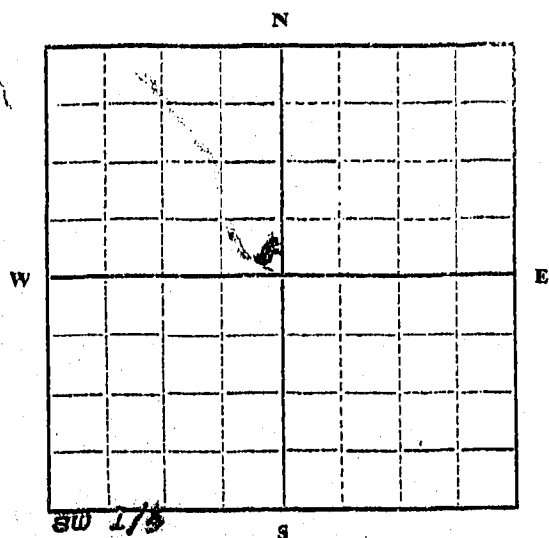
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 27 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. James Challinor of Route 1 Box 36 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:



..... 1/4 Sec 9 T. 30 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 stock water

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

4. The amount of groundwater claimed, (in miner's inches or gallons per minute) free flowing spring

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal free flowing spring into a stock tank

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

8. The depth of water table spring on top of ground

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 out with dozer and piped into water

10. The estimated amount of groundwater withdrawn each year free flowing spring

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 none

Signature of Owner James Challinor  
Date Dec 26, 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.

# 238

INDEXED

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 26<sup>th</sup> day of

December A. D. 1963

at 3:35 P M.

M. M. Marshall  
County Clerk.

By V. H. Hagan  
Deputy

File No. ....

T 30 N R 31 W

DUPLICATE

MONTANA WATER RESOURCES BOARD  
**RECEIVED**

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground

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

**Notice of Completion of Groundwater  
Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

0-23 Clay  
23-36 clay sand gravel  
small show of water  
36-55 Sand clay  
55-84 Co. clay gravel  
84-87 hard shell  
87-100 sand gravel little water

Owner Tim Dandley Address Libby, Mont.

Driller C & J Plumbing & Elec. Address Libby, Mont.

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

Date well started 9-25-64 Date Completed 10-26-64

Type of well Drilled Equipment Used Churn  
(dug, driven, bored or drilled) (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.

100-105 - br. clay.  
105-110 blue clay.  
110-130 red clay gravel.  
130-140 br. clay. bottom 6 5/8"  
140-160 white clay sand some water  
160-205 Blue clay.  
205-224 sand gravel & clay.  
224-280 sand gravel some clay.  
280-305 clay  
305-312

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
	1 1/2" 6 5/8 in	0	292.3'	3/16" x 1/16"	286	292.3'

Static Water Level for non-flowing Well 240 feet.

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

Pumping Water Level 280 feet at 3 gal. per minute.

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

How Tested Baled 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).....

NW 1/4 NE 1/4 SW 1/4 S  
..... 1/4 Sec. 9 T 30 R 31  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

312 bottom  
Show exact depth of bottom.

141  
Driller's License Number  
Donald J. McLeach  
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.

45,280



INDEXED 689

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 26th day of

May A. D. 1919

at 9:55 AM

Charles L. Taylor  
County Clerk.

By Mae Watson  
Deputy

RECEIVED

County McCone

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD  
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

DRILLER'S LOG

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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.

(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 Edward J. Dutton

Address R.R. 4, Box 191-A, Judy, Montana

Date well started October 7, 1972

completed October 11, 1972

For Administrator's Use	
File	<u>907</u>
Date	<u>Oct. 20, 1972 - 4:45 p.m.</u>
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

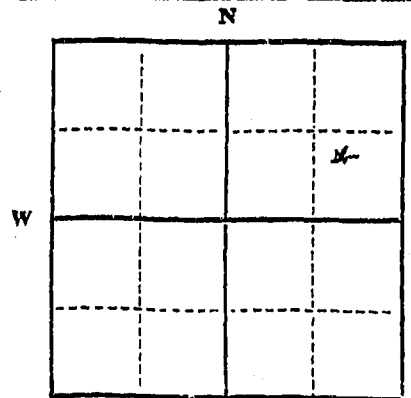
Industrial  Drainage  Other \* Garden/Lawn

\*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 100,000 Gal. per yr.

Size of Perforated Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>6" I.D. 6 5/8" O.D.</u>	<u>17.00 lbs. per ft.</u>	<u>0</u>	<u>63</u>	<u>slots</u>	<u>20 holes from 50 to 55 feet</u>	



Static water level ..... 27 ..... ft.\*  
Pumping water level ..... 35 ..... ft.\*  
at ..... 5 ..... gallons per minute,  
measured 100 ..... minutes after pumping began.

\*Measured from ground level.  
Well developed by Compressor  
for 3 ..... hours.  
Power..... Pump..... HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff)

SE 1/4 Sec. 9, Lot 7, Leo Osborn Tracts  
T. 30 N. R. 21 E.

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

Driller's Signature Wm A Lake

Driller's Address P.O. Box 267

Judy, Montana 59223 LICENSE NO 152

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
<u>0</u>	<u>1</u>	<u>topsoil</u>
<u>1</u>	<u>3</u>	<u>Gravel and Boulders</u>
<u>3</u>	<u>17</u>	<u>Clay</u>
<u>17</u>	<u>50</u>	<u>Clay, Gravel &amp; Boulders</u>
<u>50</u>	<u>55</u>	<u>Gravel and Water</u>
<u>55</u>	<u>63</u>	<u>Clay and Gravel</u>

63 ft. Show exact depth of bottom

907

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 20<sup>th</sup> October A. D. 1912  
at Hills P.  
Eleanor L. Vaughn County Clerk  
By Mar Watson Deputy



771

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 30<sup>th</sup> day of March A. D. 1971

at 4:45 P. M.  
E. Lester L. Hughes  
County Clerk

By \_\_\_\_\_ Deputy

0

0

IN WITNESS WHEREOF, I have hereunto set my hand and the seal of said County at Helena, Montana, this 30th day of March, 1971.

E. Lester L. Hughes  
County Clerk

Notary Public for the State of Montana

My Commission Expires \_\_\_\_\_

File No. ....

T. 30 N. R. 31

DUPLICATE

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

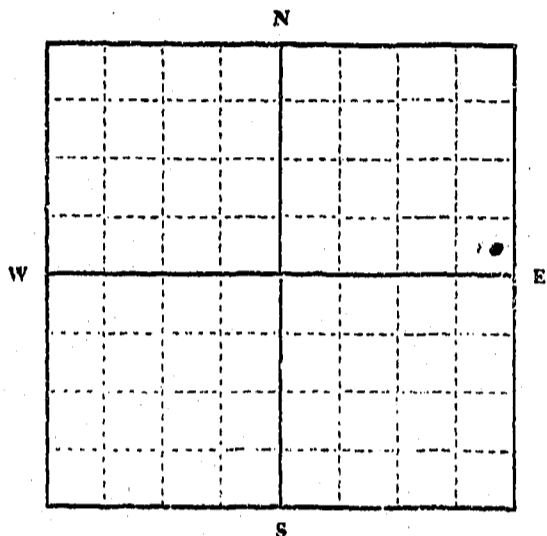
RECORDED  
JAN 27 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Leo Orsborn, of Route 1, Box 281 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:



NE 1/4 Sec. 9 T. 30 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 use and lawn irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been continuous since July 10, 1957

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 gallon 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 Part of SE 1/4 NE 1/4, Sec. 9, T. 30 N. R. 31 W. (2.7 acres) owner Leo Orsborn

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal well located in SE 1/4 NE 1/4 Sec. 9-30-31

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 7/10/57

8. The depth of water table 30 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 58 ft. deep - 6 in. casing - 1/2 h.p. pump

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

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 Leo Orsborn  
Date December 18, 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.

206

RE-ARREARMENT

RE-ARREARMENT

RE-ARREARMENT

RE-ARREARMENT

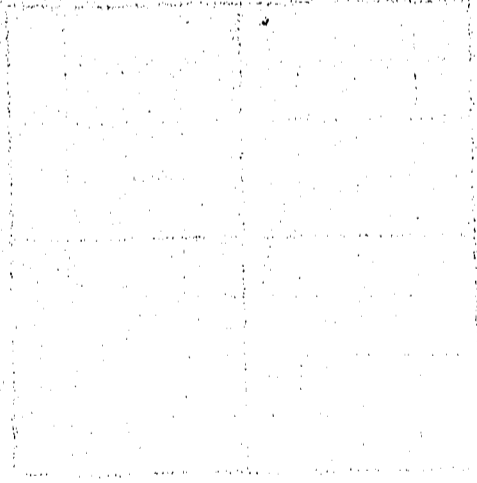
RE-ARREARMENT

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 30th day of  
December A. D. 1963

By M. J. Mansfield  
County Clerk.

By Mac Stalton  
Deputy



RECEIVED

County Lincoln

AUG 31 1972

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 Mrs. A. Pederson  
Address Trilby Court

For Administrator's Use	
File	<u>897</u>
Date	<u>Aug. 28, 1972 - 10:15 a.m.</u>
GW 1	

Date well started 8-14-72  
completed 8-16-72

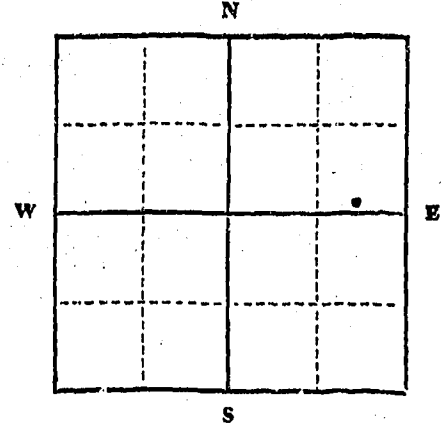
Type of well Drilled  
(Dug, driven, bored or drilled)  
Equipment used Churn Drill  
(Churn drill, rotary or other)

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)
<u>6 5/8 OD</u>	<u>1 7/8 6 5/8 OD</u>	<u>+1</u>	<u>45'</u>	<u>1/2" rd.</u>	<u>41</u>	<u>45</u>



Static water level 15' ft.\*  
Pumping water level 30' ft.\*  
at 20 GPM gallons per minute,  
measured        minutes after pumping began.  
\*Measured from ground level.  
Well developed by Baloy  
for 2 1/2 hours.  
Power        Pump 1/2 HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff)

SE 1/4 NE 1/4 Sec. 9  
T. 30 N. R. 31 E.

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

Driller's Signature Gold Bird Drilling  
Driller's Address Box 2 Box 508  
Trilby Court LICENSE NO. 222

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)	
<u>0</u>	<u>2</u>	<u>fill</u>
<u>2</u>	<u>15</u>	<u>cobbles &amp; gravel</u>
<u>15</u>	<u>28</u>	<u>fine cobbles &amp; clay</u>
<u>28</u>	<u>42</u>	<u>clay &amp; rock</u>
<u>42</u>	<u>45</u>	<u>water level</u>
<u>45</u>		<u>Bottom of well</u>

45' Show exact depth of bottom

51,278



897

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 28<sup>th</sup> day of August A. D. 1912  
at 10:15 P. M.  
By Charles L. Vaughan County Clerk.  
Mae Watson Deputy

No.	Acres	Owner	Value	Assessment
1	100	John Doe	1000	100
2	200	Jane Smith	2000	200
3	300	Bob Johnson	3000	300
4	400	Alice Brown	4000	400
5	500	Frank White	5000	500
6	600	Grace Green	6000	600
7	700	Henry Black	7000	700
8	800	Ivy Gold	8000	800
9	900	Jack Silver	9000	900
10	1000	Karen Copper	10000	1000

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 Leo Orsborn

Address Libby, Mont

Date well started 2-25-72

completed 3-1-72

Type of well Drilled

Equipment used Churn Drill

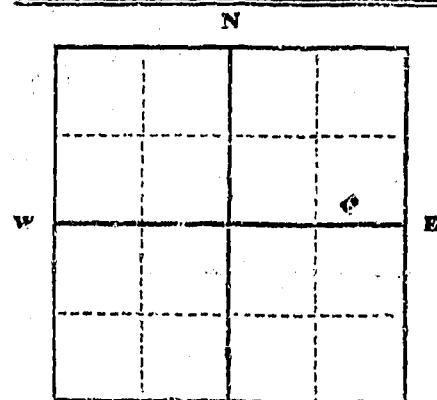
Water Use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other \* Garden/Lawn

\*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)
<u>6"</u>	<u>6x400 + 2</u> <u>14#</u>	<u>59'</u>		<u>1/2" round</u>	<u>55'</u>	<u>59'</u>



Orsborn Lot #4  
T. 30 N. R. 31 W.

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

Driller's Signature Gold Birch Drilling

Driller's Address Donald G. McLochan

Drawer C. E. Eusebio LICENSE NO. 222

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) 2050

From (Feet)	To (Feet)	
<u>0</u>	<u>10</u>	<u>clay</u>
<u>10</u>	<u>40</u>	<u>clay &amp; gravel</u>
<u>40</u>	<u>53</u>	<u>soft sandstone</u>
<u>53</u>	<u>57</u>	<u>soft sandstone</u>
		<u>Water bearing</u>
<u>57</u>	<u>59</u>	<u>Granite Rock</u>
<u>59</u>		<u>Bottom</u>

59' Show exact depth of bottom

51,432

C

# 901

INDEXED

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 19th day of  
September A. D. 1922  
at 9:45 A.M.  
Elesma H. Vaughan  
County Clerk  
By Pat Henderson Deputy

Gravel

*[Faint, mostly illegible text, possibly a list or schedule]*

*[Handwritten notes]*

returned  sent  returned  returned  
 returned  sent  returned  returned

*[Handwritten notes and stamps]*

File No. ....

**RECEIVED**

T. 30N R. 31W

DUPLICATE

JAN 7 1972

County LINCOLN

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Top of Ground (Elev. above sea level. 2050)

Notice of Completion of Groundwater Appropriation by Means of Well DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner LEO DRISLORN Address LIBBY MONT R-4 BEXLEY

Driller DICK PARKER Address LIBBY MONT

Date of Notice of appropriation of groundwater SEPT 18, 1969

Date well started SEPT 16, 1969 Date completed SEPT 20, 1969

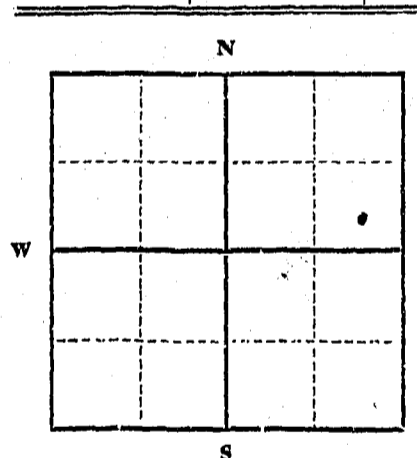
Type of well DUG Equipment used BACK HOE (Dug, Driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic [X] 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.

Doc. No. 830 Filed for record this 4 day of January A. D. 1972 4:45 P. M.

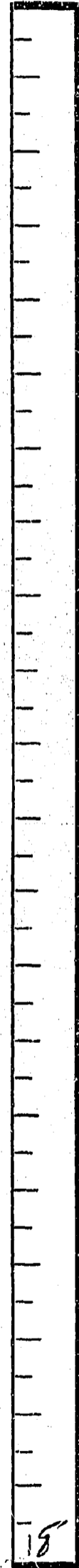
Table with columns: Size of Drilled Hole, Size and Weight of Casing, From (Feet), To (Feet), PERFORATIONS (Kind Size, From (Feet), To (Feet)). Row 1: 9", GALV., 0, 18', 9", 0, 18'



Static Water Level for non-flowing well 18 feet. Shut-in Pressure for Flowing Well. Pumping Water Level 16 feet at 18 gal. per minute. Discharge in gal. per min. of flowing well 18. How Tested BUCKET. Length of Test 10 MINUTES. Remarks: (Gravel packing, cementing, packers, type of shutoff) PUMP

SE 1/4 NE 1/4 Sec 9 T 30N R 31W 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). D. 33 A LOT 5 DRISLORN LOTS



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.

NO LICENSE Driller's License Number

NO SIGNATURE Driller's Signature

830

received to right here

STATE OF MONTANA  
COUNTY OF LINCOLN  
FILED THIS 4th day of January 1912 at 4:45 P.M.  
Clerk of Court  
Mae Watson

STATE OF MONTANA  
COUNTY OF LINCOLN  
FILED THIS 4th day of January 1912 at 4:45 P.M.  
Clerk of Court  
Mae Watson


Year	Acres	Value	Improvements	Remarks
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STATE OF MONTANA  
COUNTY OF LINCOLN  
FILED THIS 4th day of January 1912 at 4:45 P.M.  
Clerk of Court  
Mae Watson

GW 2

RECEIVED

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

File No. ....

JAN 7 1972

T 30N R 31W

DUPLICATE

County LINCOLN

MONTANA DEPARTMENT OF NATURAL  
LOG RESOURCES AND CONSERVATION

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 2250)

Notice of Completion of Groundwater  
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner LEO ORSBORN Address R4-Box 178 MONT Libby

Driller DICK PARKER Address Libby MONT

Date of Notice of appropriation of groundwater Oct 19 1967

Date well started Oct 9 1967 Date completed Oct 11 1967

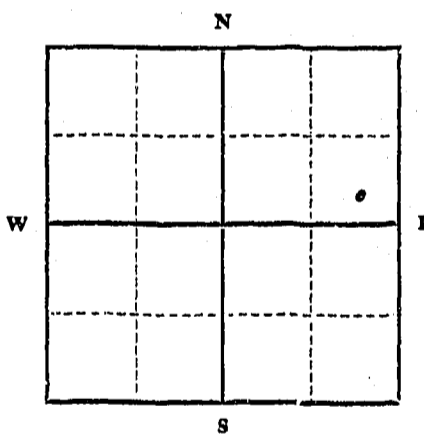
Type of well DW 8 Equipment used BACK H.O.E  
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

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.

Doc. No. 829  
Filed for record  
this 4 day of January  
A. D. 19 72 at 4:40  
of clock P.M.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8 1/2	8 1/2 GALVANIZED	0	20	8 1/2 GALVANIZED	0	20



Static Water Level for non-flowing well 26 feet.  
Shut-in Pressure for Flowing Well 18  
Pumping Water Level feet  
at 20 gal. per minute.  
Discharge in gal. per min. of flowing well 22  
How Tested BUCKET  
Length of Test 10 MINUTES  
Remarks: (Gravel packing, cementing, packers, type of shutoff) PUMP

SEK SE 1/4 NE 1/4 Sec. 9 T30N R31W

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).  
D. 31 A LOT 6 ORSBORN LOTS

30' 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.

No LICENSE  
Driller's License Number

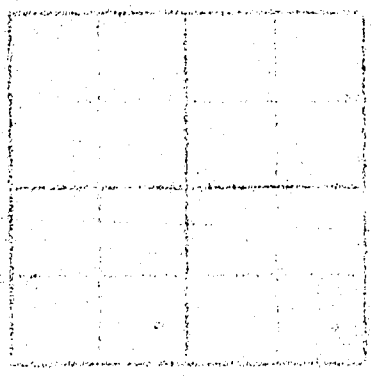
No SIGNATURE  
Driller's Signature

49,705

829

INVESTED BY COUNTY OF LINCOLN

DATE	DESCRIPTION	AMOUNT	INITIALS
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STATE OF MONTANA  
COUNTY OF LINCOLN

STATE OF MONTANA  
COUNTY OF LINCOLN

File of this \_\_\_\_\_

January \_\_\_\_\_ A. D. 1972

By *Charles L. Vaughn*  
County Clerk

By *Mae Watson*  
Deputy

Witness to above transaction  
I, \_\_\_\_\_ County Clerk of Lincoln County, Montana, do hereby certify that the foregoing is a true and correct copy of the original as filed in my office on the \_\_\_\_\_ day of \_\_\_\_\_, 1972.  
I, \_\_\_\_\_ County Clerk of Lincoln County, Montana, do hereby certify that the foregoing is a true and correct copy of the original as filed in my office on the \_\_\_\_\_ day of \_\_\_\_\_, 1972.

File No.....

T. 30 N R. 31 W

DUPLICATE

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

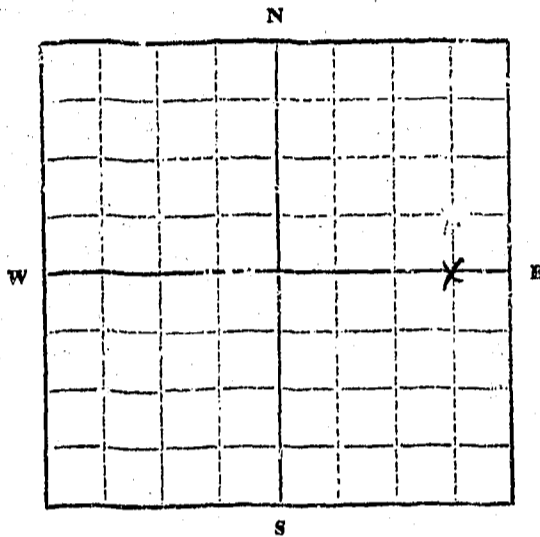
RECEIVED  
JUL 5 - 1963  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Schmiedel, Carl H., of Box 270, Route # 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:



SE 1/4 NE 1/4 Sec. 9 T30 R31

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

2. The beneficial use on which the claim is based.....  
Household use & Lawn Irrigation

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....  
50 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.....  
.66 acres. Lawn, garden & household  
Carl H. & Helen C. Schmiedel

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....  
December 12-13-14 1950

8. The depth of water table.....  
19 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 & cased 6" 33 ft. deep

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

11. The log of formations encountered in the drilling of each well if available.....  
Gravel to 28', Hard pan to 33', Weak stream of water 28', Strong stream 34'. (These facts are from memory.)

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....  
This is a strong well, but has a heavy concentration of soluble iron.

Signature of Owner Helen C. Schmiedel  
Carl H. Schmiedel

Date July 1, 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 of Mines and Geology, and Quadruplicate for State Engineer; Triplicate to the Montana Bureau of Geology and Mineral Industries, and one copy to the State Engineer; Triplicate to the Montana Bureau of Geology and Mineral Industries, and one copy to the County Clerk and Recorder of the county in which the well is located.



#92

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this..... day of  
*July* A. D. 19*64*

at *3:30 P. M.*

*M. M. Mansfield*  
County Clerk.

By *Chas. V. ...*  
Deputy

GW 2

File No.

DUPLICATE

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

T. 30N R. 31W

County Lincoln

LOG

APR 12 1971

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.....)

0' - 60' Clay, Gravel, and Boulders.

60' - 84' Clay.

84' - 87' Sand, Gravel, and Water.

Owner David J. Weisbeck Address Rt # 3, Box 1590

Driller William D. Lake Address Libby, Montana

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

Date well started February 21, 1969 Date completed March 11, 1969

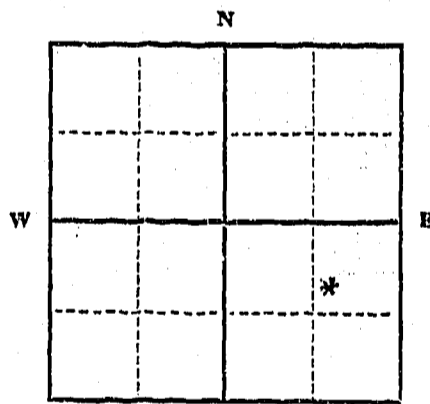
Type of well Drilled Equipment used Churn  
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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	87	None		

Doc. No. 775  
Filed for record  
this 8th day of April  
1971 at 2:05  
O'clock P. M.



Tract 248  
NE 4 SE 1/4 Sec. 9 T. 30N R. 31W  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 69 feet.

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

Pumping Water Level 85 feet at 8 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).

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.

152  
Driller's License Number

William D. Lake  
Driller's Signature.

48341

775

Original  
 Duplicate  
 Copy  
 Other

RECEIVED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

COUNTY OF LINCOLN  
 CLERK OF DISTRICT COURT

STATE OF MONTANA  
 COUNTY OF LINCOLN

Filed this 8th day of April, A. D. 1971  
 at 2:45 P.M.  
Edward L. Daugherty County Clerk  
Mae Watson Deputy

RECEIVED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

COUNTY OF LINCOLN  
 CLERK OF DISTRICT COURT

JEFF DAVIS  
 1971

APR 10 1971  
 100 - 100

File No. ....

T. 30 R. 31 W. 10

DUPLICATE

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

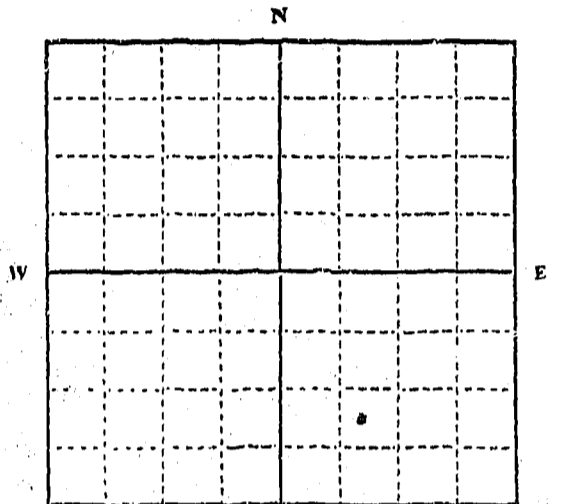
JAN 27 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Don & Lois Bill, of Route 1 Box 308 LeRoy  
(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, 6, 7, 8 REEDWAY ACRES

SW 1/4 Sec 10 T30N R. 31W

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  
LAWN, GARDEN AND TREE WATERING, ETC.

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2000 GALLONS PER HOUR FOR LOTS  
# 5, 6, 7, 8 REEDWAY ACRES

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  
NOMINAL WATERING FOR LAWN, TREES, SHRUBS  
AND GARDEN, ETC/ AND HOUSEHOLD USE

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

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

10. The estimated amount of groundwater withdrawn each year APPROX. 20 MILLION

11. The log of formations encountered in the drilling of each well if available  
PARTY WHO DRILLED WELL DECEASED AND GAVE NO INFORMATION ON  
THE FORMATION ENCOUNTERED.

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 Don Bill

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.

#251

FOR THE STATE

MONTANA

HOUSE 1 BOX 209

1984

MONTANA

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 30 day of December A. D. 1984  
11:30 A. M.  
M. M. Mansfield  
County Clerk  
Verda Higgins  
Deputy

2108

2,000.00  
5000  
FOR THE STATE

AND BARNES, ETC.  
FOR THE STATE

INDEXED

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10

File No. ....

T. 30 N R. 34

DUPLICATE

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

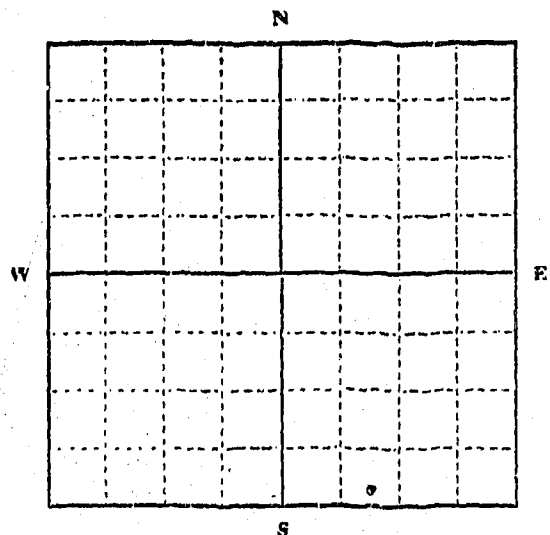
RECEIVED  
MAR 5 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Bert L. Napier, of Rt. 1 Libby  
(Name of Appropriator) (Address) (Town)  
County of Lincoln State of Mont.  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 SE Sec. 10 T. 30 R. 34

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. Private use, Household and Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. August - 1 - 1955  
daily use.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 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  
not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric Pump, on near of Lot 42

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Two weeks prior to August - 1 - 1955

8. The depth of water table. 35 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. 20 feet 4 inch casing - 76 feet in depth

10. The estimated amount of groundwater withdrawn each year. 219,000 gal.

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

Signature of Owner Bert L. Napier

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.

35137

# 410

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 31<sup>st</sup> day of  
December A. D. 1963  
at 11:50 A. M.  
Dr. Dr. Mansfield  
County Clerk.  
By Wesley Higgins  
Deputy

File No. ....

T. 30 N. R. 31

DUPLICATE

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
MAR 5 1964

Declaration of Vested Groundwater Rights

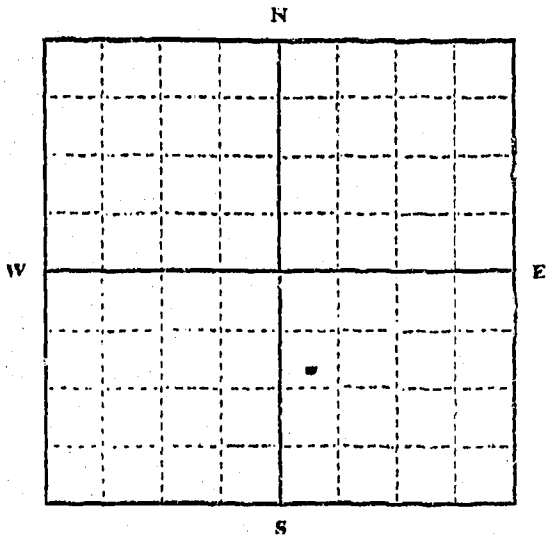
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. K. Harold Hatlen and Hilda E. Hatlen, of Route 1, Box 306 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:



W. 1/4 SE. Sec. 10, T. 30 N., R. 31 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 for household use for 7 units (five apartments, 1 Shop, 1 residence).

3. Date or approximate date of earliest beneficial use, and how continuous the use has been. Continuous for household use since 1950.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 162/3 (sixteen and two-thirds gal.) per minute or pumps 1000 gal. per hour.

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal by jet pump, located on lot 1 of Morning Sunway Lots, Section 10, T. 30 N., R. 31 W., M. P. M.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Oct. 15, 1950.

8. The depth of water table 67 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 6 inch drilled well—67 feet deep, by jet pump which pumps 1000 gal per hour.

10. The estimated amount of groundwater withdrawn each year 300,000 gal. or more.

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Book 101 of Deeds, page 330

Signature of Owner K. Harold Hatlen  
Hilda E. Hatlen  
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.



File No. ....

T. 30 N R 31

DUPLICATE

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
MAR 5 1964

Declaration of Vested Groundwater Rights

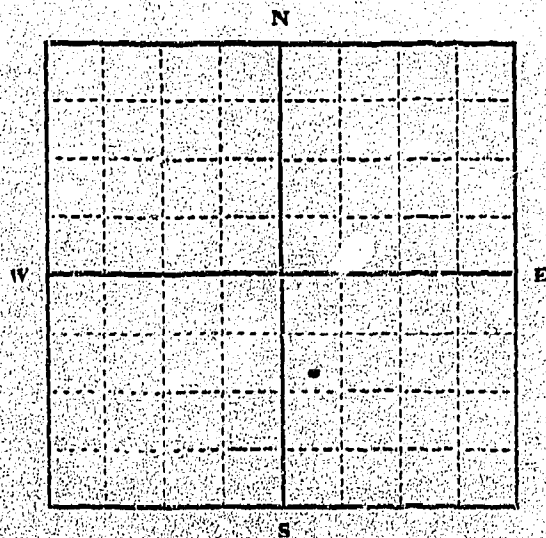
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

K. Harold Hatlen and Hilda E. Hatlen, of Route 1, Box 306 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:



W 1/4 Sec. 10, T. 30 N. R. 31 W. M. P. M.

Locate 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 for 7 units (five apartments, 1 shop, 1 residence).

3. Date or approximate date of earliest beneficial use, and how continuous the use has been Continuous for household use since 1950.

4. The amount of groundwater claimed in miner's inches or gallons per minute 162 2/3 (or 162 and two-thirds gal. per minute or pumps 1000 gal. per hour).

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal by jet pump, located on lot 1 of Korman Survey, lots, Section 10, T. 30 N., R. 31 W., M. P. M.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Nov. 15, 1960.

8. The depth of water table 67 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 6 inch drilled well—67 feet deep, by jet pump which pumps 1000 gal per hour.

10. The estimated amount of groundwater withdrawn each year 300,000 gal. or more.

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Book 101 of Deeds, page 330

K. Harold Hatlen  
Signature of Owner Hilda E. Hatlen  
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.

GENERAL # 327

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 3<sup>rd</sup> day of  
December A. D. 1862  
at 9:14 P. M.  
W. M. Mansfield  
County Clerk  
By Walter Higgins Deputy

File No.....

T 30 R 31

DUPLICATE

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

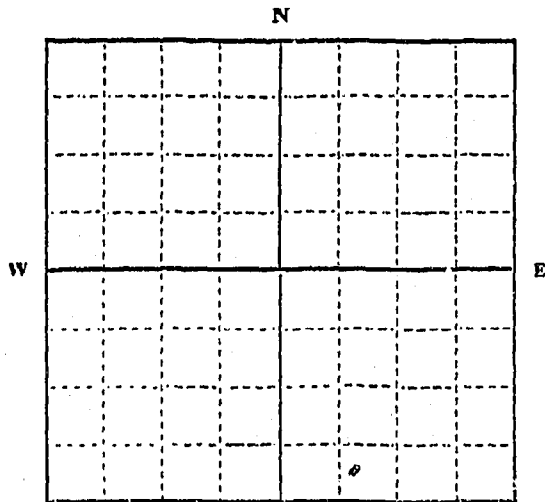
RECEIVED  
MAR 27 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Alfred Sather, of Rt. 1, Box 310 Libby  
(Name of Appropriator) (Address) (Town)  
Lincoln County of Lincoln State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



7-8- Red-way  
Sec. 10 T. 30 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.....  
Household and Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....  
4/27/56  
Constant use

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....  
1/2 acre- lawn and garden  
owned by self

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....  
Deep Well Electric Pumping System

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....  
4/4/56 and completed 4/27/56

8. The depth of water table.....  
17 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.....  
Machine drilled  
4-inch steel casing  
78-feet deep

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

11. The log of formations encountered in the drilling of each well if available.....  
8-feet---clay  
55- " ---large rock and gravel  
6 " ---hardpan  
4 " ---quicksand and blue clay 4-ft. gravel

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

Signature of Owner Alfred Sather  
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.

# 427

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 31 day of  
December A. D. 1963  
at 12:08 P. M.  
R. M. Mansfield  
County Clerk.  
By Edison Vaughn  
Deputy