

File No. ....

T. 31 N. R. 31 E

DUPLICATE

County LINCOLN

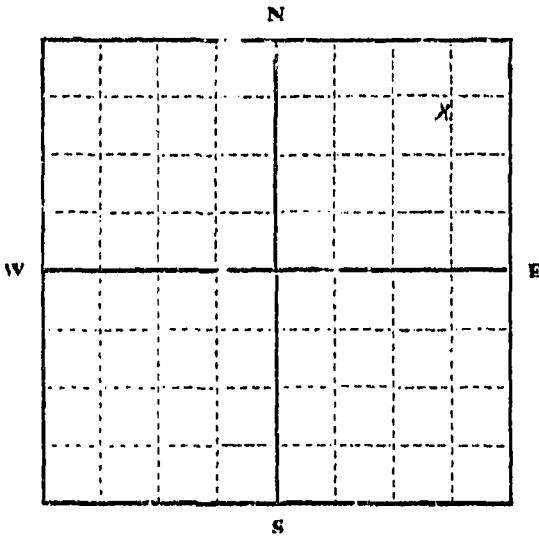
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 27 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Joe + Marjorie Talsma, of LIBBY, (Name of Appropriator) (Address) (Town)  
County of LINCOLN State of MONTANA R. 1 Box 73E  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 NE 1/4 Sec. 32 T. 31 R. 31 E.

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been... Sept 1 - 1942 continuously

4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 1.0 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... Garden - lawn about 1.0 acre

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... 15 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... dug & driven about 30 ft in depth

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 The estimated amount of groundwater withdrawn each year... 30,000 gal

11. The log of formations encountered in the drilling of each well if available... Clay - 8 ft  
balance gravel

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

Signature of Owner... Joe Talsma  
Date... Dec. 20 - 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.

#245

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 27 day of

December P. D. 1963

at 9:05 A. M.

M. M. Mansfield  
County Clerk.

By Henry Clayton  
Deputy

32

File No.....

T. 31 N. R. 31 W.

DUPLICATE

County LINCOLN

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 27 1964

Notice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Joe Talsma Address Libby, Mont. R. 1

Driller Same Address

Date of Notice of Appropriation of Groundwater Dec. 20 - 63

Date well started Sept. 10 - 63 Date Completed Sept. 20 - 63

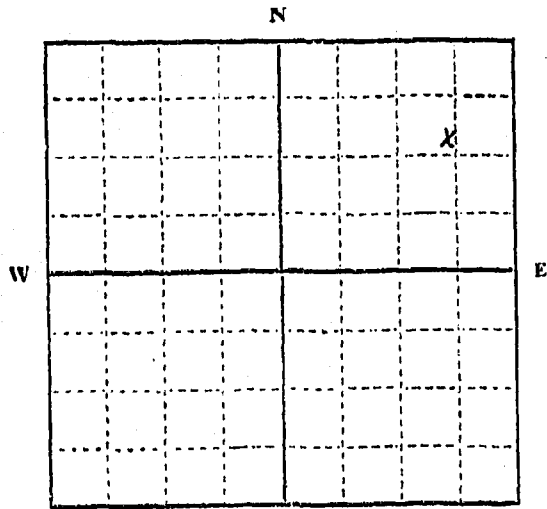
Type of well Artesian Equipment Used  
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

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)
	1 1/4 in	0	18	1/8 in	15	18



1/4 Sec. 32 T. 31 R. 31 W. 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 10 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 15 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested pump Length of Test 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)

Driller's License Number

Joe Talsma  
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.

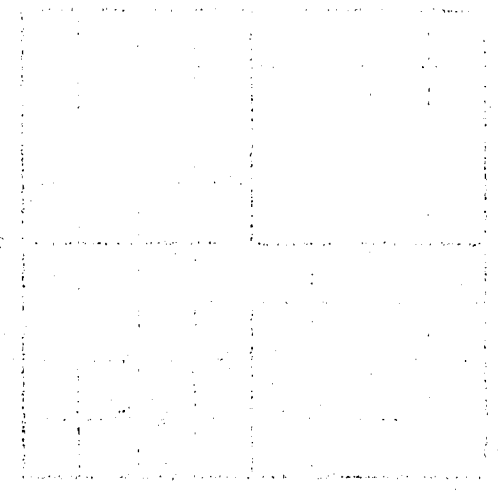
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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.

33841

INDEXED

#246



STATE OF MONTANA  
COUNTY OF LINCOLN  
Filed this 27 day of  
December A. D. 19 63  
at 9:10 P.M.  
M. M. Mansfield County Clerk  
By Eleanor Caughn Deputy

*[Faint, mostly illegible text, possibly a title or header section.]*

*[Faint, mostly illegible text, possibly a body or description section.]*

*[Faint, mostly illegible text, possibly a footer or additional notes section.]*

32

File No. ....

T. 31N R. 31W

DUPLICATE

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 27 1964

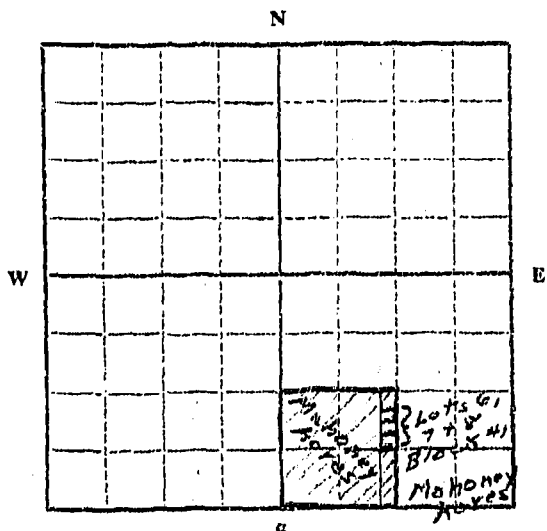
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

We, D.W. & Dorothy M. Shirley, 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:



SW 1/4 SE Sec. 32, T. 31N R. 31W, 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 Household, garden & yard uses involving 1 acre of land

3. Date or approximate date of earliest beneficial use; and how continuous the use has been April 6, 1953  
Used daily as of this date.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 21.5 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  
Well located in Southeast Quarter of Lot 7 Block 1, Mahoney Acres and used for irrigation on Lots 6, 7, & 8 of Block 1, Mahoney Acres.  
Owner: D. W. & Dorothy M. Shirley

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
1-h.p. electric jet pump  
Well located in Southeast Quarter of Lot 7, Block 1, Mahoney Acres

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April 6, 1953

8. The depth of water table 8 feet is high water table and 18' is low

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
1 H.P. jet (3" casing) pump 34' deep, 354,000 gallons per year  
(driven well)

10. The estimated amount of groundwater withdrawn each year 354,000 gallons per year

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

Located in the Southwest Quarter of the Southeast Quarter  
Section 32, Township 31 North of Range 31 West, M.P.M.

Signature of Owner D.W. Shirley & Dorothy M. Shirley

Date 12/27/63

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

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

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

53847

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INDEXED

STATE OF MONTANA  
COUNTY C

Filed this 27th day of  
December A. D. 1913  
at 11:05 P. M.  
Wm. Mansfield  
County Clerk.  
By Mac Watson  
Deputy

File No. ....

T. 31 R. 31

DUPLICATE

County Lincoln

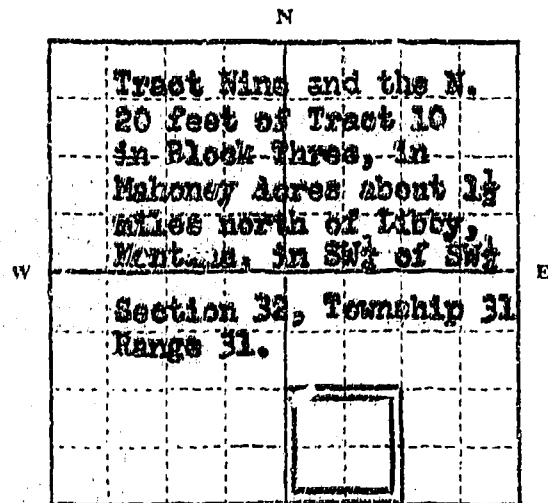
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 27 1964  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. M. L. Schneider (Melvin Laurence Schneider), of Libby Montana  
(Name of Appropriator) (Address) (Town)  
County of Lincoln State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



*Tract Nine & 20' of Tract 10  
1/4 Sec 32, T. 31, R. 31, Block 3  
Mahoney Acres  
Lincoln County*

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 irrigation of garden, trees, and household uses on 1 and 1/3 acres
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1958, continuous to date
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) approximately 10 gallons a minute in irrigation periods
- 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 Acreage irrigated approximately 1/3 acre, owner, M. L. Schneider
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal one well, water under pressure, pumped by electricity.
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1958
- 8. The depth of water table approximately 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 driven well, about 30 feet deep.
- 10. The estimated amount of groundwater withdrawn each year estimated 10,000 gallons a year.
- 11. The log of formations encountered in the drilling of each well if available surface soil, clay sub-soil and a little gravel.
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner M. L. Schneider

Date December 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.

A 24



STATE OF MONTANA  
COUNTY OF LINCOLN

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

Dec A. D. 1963

at 3:50 P.M.

M. M. Mansfield  
County Clerk

By Verdun Hight  
Deputy



File No. ....

T. 31 N R. 3 W 32

DUPLICATE

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
MAR 5 1964

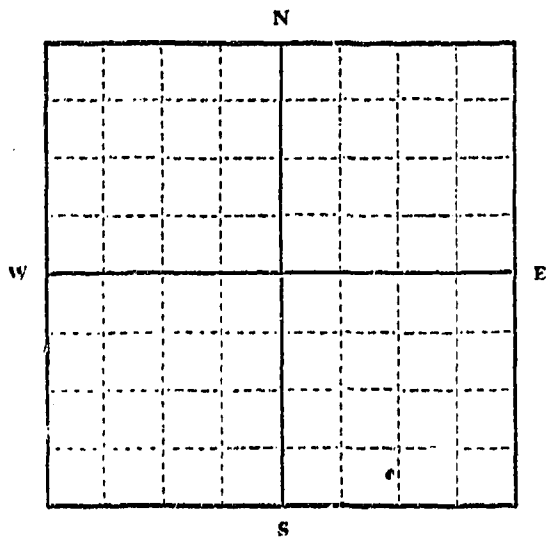
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Arthur N Skogas, of RR1 Box 97 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:



S. 21 1/4 SE. Sec. 32 T. 31 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

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

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  
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 H.P. Centrifugal electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater August - 1953 completed Sept 1953

8. The depth of water table 32 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 Drone sand point two inch 32 ft. deep

10. The estimated amount of groundwater withdrawn each year 72000 gallons

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 None

Arthur N Skogas  
Signature of Owner Betty J Skogas  
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.

# 357

STATE OF MONTANA  
COUNTY OF LINCOLN

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

at 9:57 A.M.  
727 W. Mansfield  
County Clerk.

By Wesley Sigler  
Deputy

File No.....

T. 31 N. 31 W. 32

DUPLICATE

County Lincoln

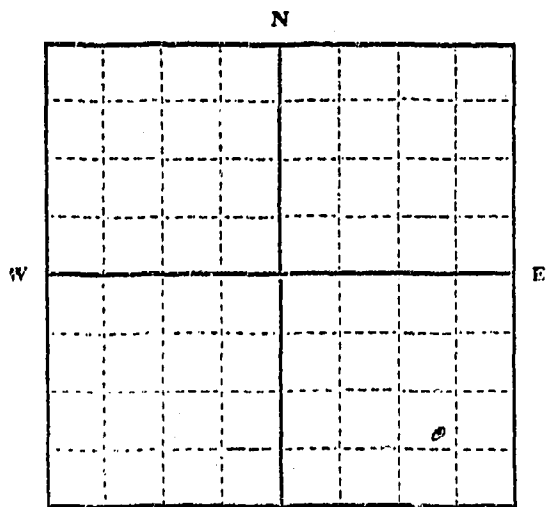
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
FEB 17 1964

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

1. Steve F. Resch, of Rt. # 1, Box 112C, Libby, Montana  
(Name of Appropriator) (Address) (Town)

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



100' x 168' lot  
SE 1/4 Sec. 32, T. 31 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.....  
domestic, garden & lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....  
June, 1952

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.....  
Lot 6 of Evergreen View in SE 1/4 Sec. 32, Twp. 31 N., R. 31 W., M.P.M.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....  
1 1/2" suction pump - electric 500 gal. per hour capacity

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....  
June, 1952

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

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....  
2" driven casing - 31 feet deep

10. The estimated amount of groundwater withdrawn each year.....  
3,000,000 gallons

11. The log of formations encountered in the drilling of each well if available.....  
5' of clay balance is gravel

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

Signature of Owner Steve F. Resch

Date December 31, 1963

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

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

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

File No. ....

T. 31 R. 31

DUPLICATE

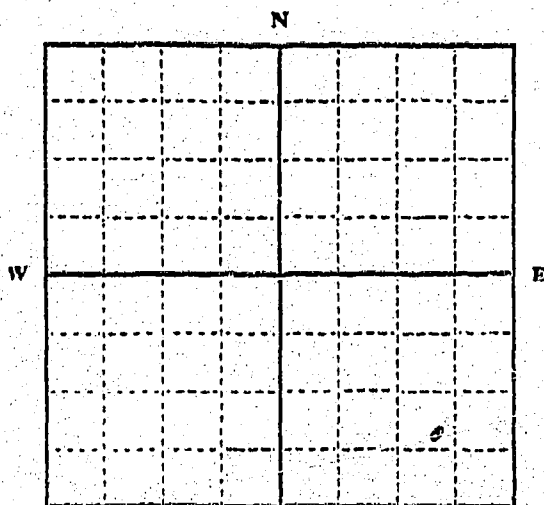
County Lincoln

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)

1. Steve F. Resch, of Rt. # 1, Box 113C, Libby, Montana  
(Name of Appropriator) (Address) (Town)  
County of Lincoln State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



100' x 168' lot  
SE 1/4 Sec. 32, T. 31 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  
domestic, garden & lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
June, 1952

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  
Lot 6 of Evergreen View in SE 1/4, Sec. 32, Twp. 31 N., R. 31 W., M.P.M.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
1 1/2" suction pump - electric 500 gal. per hour capacity

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
June, 1952

8. The depth of water table  
20 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
2" driven casing - 31 feet deep

10. The estimated amount of groundwater withdrawn each year  
3,000,000 gallons

11. The log of formations encountered in the drilling of each well if available  
5' of clay  
balance is gravel

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

Signature of Owner Steve F. Resch

Date December 31, 1963

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

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

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

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INDEXED

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 30th day of  
December A. D. 1963  
at 9:05 A. M.  
M. J. Mansfield  
County Clerk  
By Mae Watson  
Deputy

1032

File No.....

T. 31 R. 31

DUPLICATE

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
MAR 5 1963

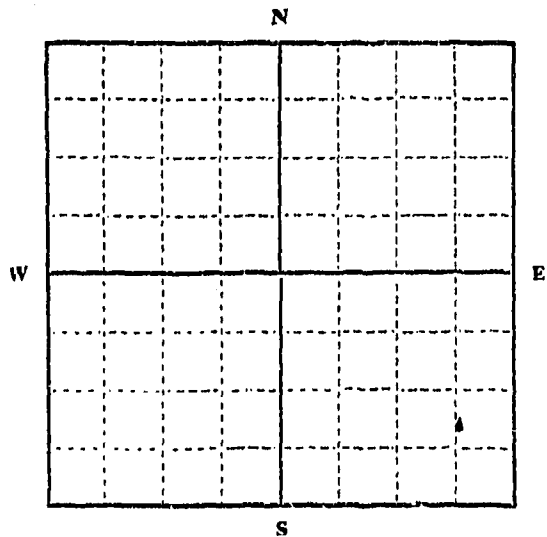
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Roy Sather, of RR#1 Box 1128 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, SW Sec. 22 T. 31 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.....

House Hold & IRRIGATION

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

7/23/52 To Present Time

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

8 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.....

1/2 ACRE LAWN & GARDEN (C.A.H.) Roy Sather

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.....

7/1/52 To 7/22/52

8. The depth of water table.....

13 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.....

HAND DRIVEN, 2 inch CASING 30 FT Deep

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

4,204,800 GAL

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.....

NOT APPLICABLE

Signature of Owner..... Roy Sather

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.

INDEXED

445

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 10<sup>th</sup> day of  
January A. D. 1967  
at 3:10 P.M.  
M. M. Mansfield  
County Clerk.  
By Herschel Taylor  
Deputy

GW

32

File No.....

T. 31 N. R. 3 E

DUPLICATE

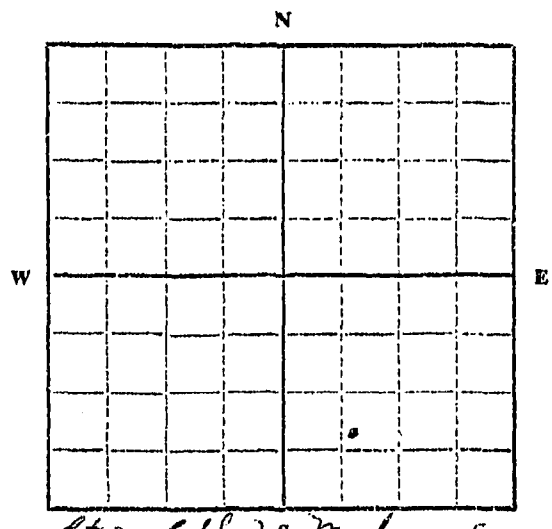
County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 19 1963

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

1. Mrs. Eva M. Watts, of Rt. 1 Box 88 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 20 Blk 2.9 Mahoney Acres  
S.W. 1/4 Sec. 32 T. 31 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. Motor Court + household use.
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. May 15, 1956. Continuous use.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Electric pump, located in center of lot 20 Mahoney Acres.
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Oct 30 to Nov 15, 1956.
- 8. The depth of water table. 42" to 48"
- 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 1/2" casing 1 1/2" hole + pump.
- 10. The estimated amount of groundwater withdrawn each year.....
- 11. The log of formations encountered in the drilling of each well if available.....
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....

Signature of Owner Mrs. Eva M. Watts  
Date April 17, 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.

10390



# 188

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 16 day of  
December A. D. 1963  
at 9:15 A. M.  
M. M. Mansfield County Clerk.  
By Eleanor Hughes Deputy

File No. ....

T. 31 N. R. 31 W. 32

DUPLICATE

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
MAR 5 1964

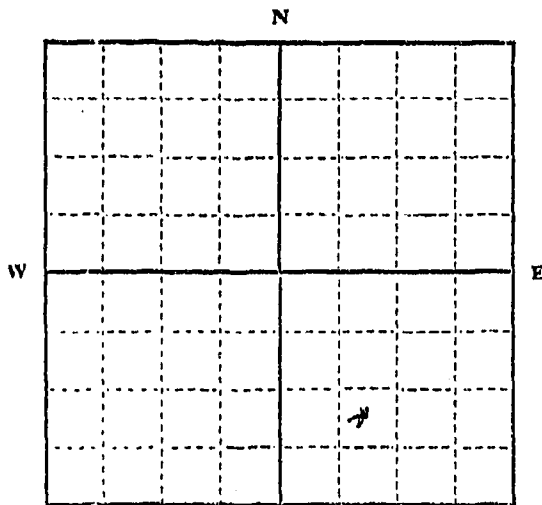
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Arthur J. Pickett, of R.R. 1 Box 99B 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 1 Block 1  
SW 1/4 SE Sec. 32 T. 31 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 House Held  
Lawn & garden Irrigation

3. Date or approximate date of earliest beneficial use; and how continu-  
ous the use has been July 1953  
Continuous use since

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 12 gallons per min.

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

6. The means of withdrawing such water from the ground and the loca-  
tion of each well or other means of withdrawal  
Well on Southwest corner  
of lot

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater 7/5/53 - 7/21/53

8. The depth of water table 14 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  
Well - Electrical pump 9 in casing - 30 FT. DEEP

10. The estimated amount of groundwater withdrawn each year 40,000 gal per year

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 Recorded

Signature of Owner Arthur J. Pickett

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.

#381

INDEXED

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 31<sup>st</sup> day of  
December A. D. 1963  
at 1:20 P. M.  
M. M. Mansfield  
County Clerk.  
By Vernon Sigler  
Deputy

File No. ....

T. 31 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

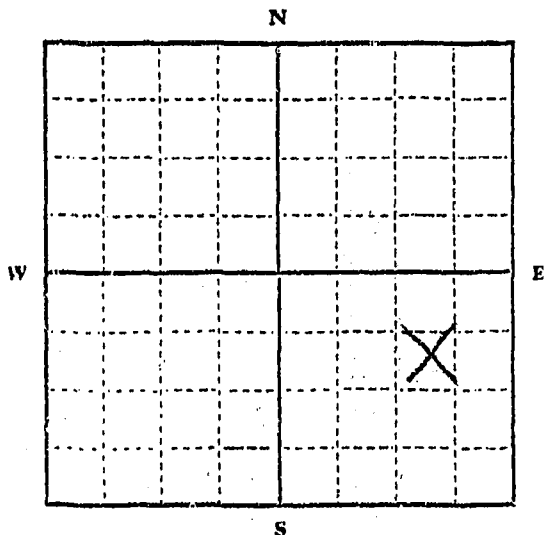
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. ROBERTS RAYMOND E, of RR # 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:



2. The beneficial use on which the claim is based.....  
DOMESTIC HOUSEHOLD USE

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....  
JUNE 1958  
CONTINUOUSLY

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

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

NE 1/4 SE Sec. 32 T 31 R 31

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....  
START 1958 COMPLETED JUNE 1958

8. The depth of water table.....  
67'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....  
DEPTH 67' 6" DIAMETER

10. The estimated amount of groundwater withdrawn each year.....  
325,000

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.....

Signature of Owner Raymond E. Roberts

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.

443

INDEXED

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 31<sup>st</sup> day of  
December A. D. 1963  
at 11:15 P. M.  
B. M. Mansfield  
County Clerk.  
By Verda Sigler  
Deputy

GW

File No.....

T. *31* R. *31*

DUPLICATE

County *Lincoln*

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

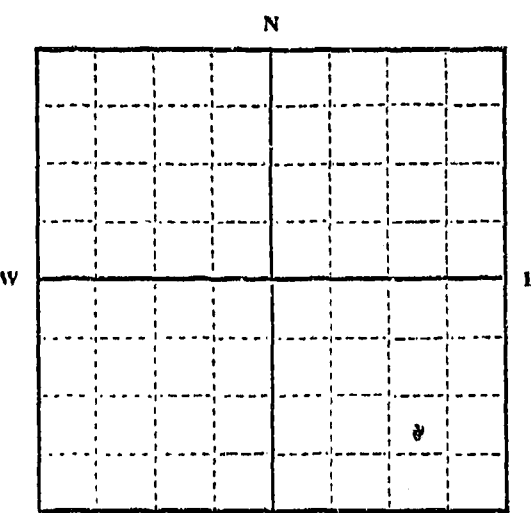
RECEIVED  
FEB 17 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. *Elton F. Vinson* of *Box 915 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 18 of Tracts 5+6  
Vanderwood 40  
SE 1/4 SE 1/4 Sec. 32 T. 31N 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..... *household and watering*
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been..... *April, 1960*
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute)..... *7 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.....  
*100 ft X 198 ft lot*  
*Elton F. Vinson*
- 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..... *April 1960*
- 8. The depth of water table..... *36 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..... *Personal*  
*6 in. casing 1 1/2 in pipe*  
*36 ft*
- 10. The estimated amount of groundwater withdrawn each year..... *enough for watering and household use*
- 11. The log of formations encountered in the drilling of each well if available.....
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....

Signature of Owner *Elton F. Vinson*  
Date *12/30/63*

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.

INDEXED 302

STATE OF MONTANA  
COUNTY OF LINCOLN

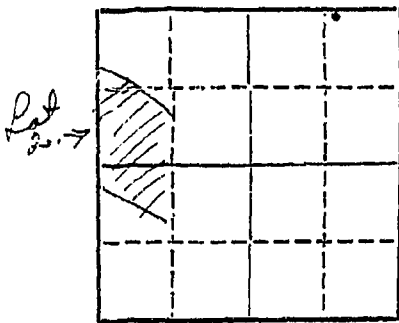
Filed this 30th day of  
December A. D. 1963  
at 12:35 P. M.  
M. M. Mansfield  
County Clerk.  
By Mae Tredan Deputy

**RECEIVED**  
 DEC 4 1957  
 STATE ENGINEER

T. \_\_\_\_\_ R. \_\_\_\_\_  
 County Lincoln

**MONTANA BUREAU OF MINES AND GEOLOGY**  
 Butte, Montana

**WATER WELL LOG**



Owner Raymond C. Osborn Address Route 1, Box 47 Libby

Driller \_\_\_\_\_ Address \_\_\_\_\_

Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

Location: Sec. 33 T. 21 R. 37  $\frac{1}{4}$  sec. Part 2 (See NW) Part NW Sec

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

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

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

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

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

Perforated or Screened: Ft. 18 to ft. 28 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations Factory made drive point

Static Water level, for non-flowing well: 19' feet.

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

Pumping water level 19 feet at 1 gal. per min.

How tested: \_\_\_\_\_ Amount of water pumped \_\_\_\_\_

Length of test 10 minutes

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

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

(over)





File No. ....

T. 31 N. R. 31

DUPLICATE

County Lincoln

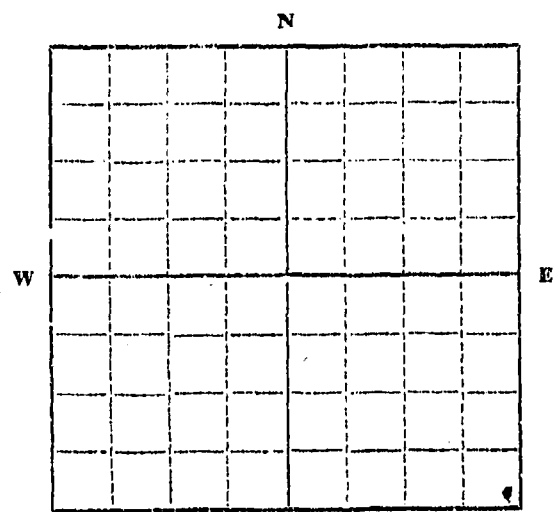
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 27 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. James Challiner, 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 23 T31 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... home, cattle garden

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 200 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... garden only

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... 1920

8. The depth of water table... 8 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... 4 inch casing down 32 feet 2 1/2 inch liner

10. The estimated amount of groundwater withdrawn each year... 750,000 gallons

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

Signature of Owner James Challiner

Date Dec 26, 1962

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.

33931

#239-

11/26/63

STATE OF MONTANA  
COUNTY OF LINCOLN

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

December A. D. 1963.

at 3:40 P.M.

By D. B. Mansfield  
County Clerk.

By Verda Hagler  
Deputy

GW

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

File No. ....

T. 31 R. 31

DUPLICATE

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
MAR 5 1964

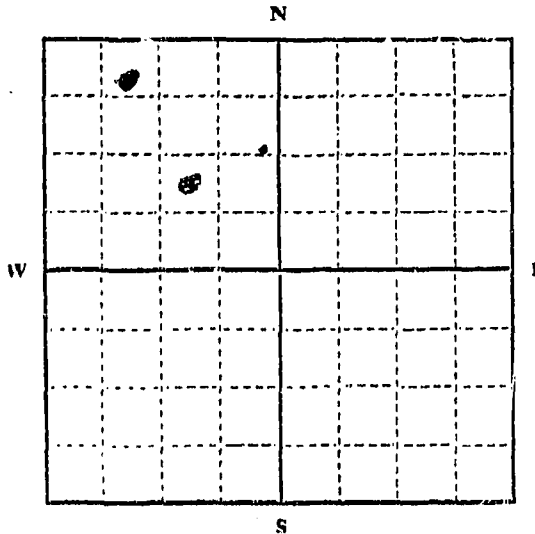
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Albert J. Bitterman of Box 962 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:



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 August 1st, 1932  
continuous

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

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

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

approx. 30 acres NW quarter township 35 N. R. 30 E. T. 31 N. of Montana meridian  
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pumps

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Aug. 1, 1932

8. The depth of water table 18 ft and 100 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 driven well points and drilled

10. The estimated amount of groundwater withdrawn each year 8 million gals

11. The log of formations encountered in the drilling of each well if available unknown  
Volume 68, page 565 and page 502

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

page 565 and page 502  
Volume 68

Signature of Owner Albert J. Bitterman  
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.

35075

# 345

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 31<sup>st</sup> day of

December A. D. 1923

at 9:41 A.M.

By Mr. M. Mansfield  
County Clerk.

By Walter H. Hight  
Deputy

File No. ....

T. 31 R. 31

DUPLICATE

MONTANA WATER RESOURCES BOARD

County Lincoln

RECEIVED

STATE OF MONTANA  
AUG 19 1968 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 Tom Battersman Address Libby Mont.

Driller C. S. Piggly Jr. Address Libby Mont.

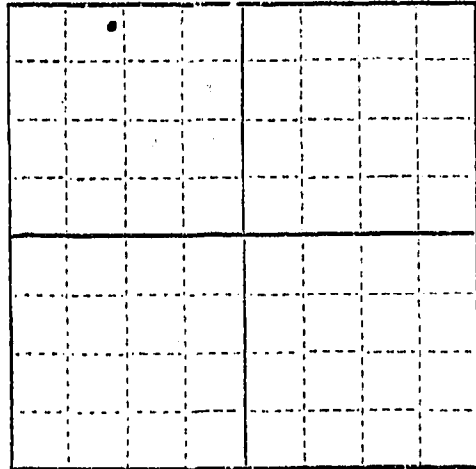
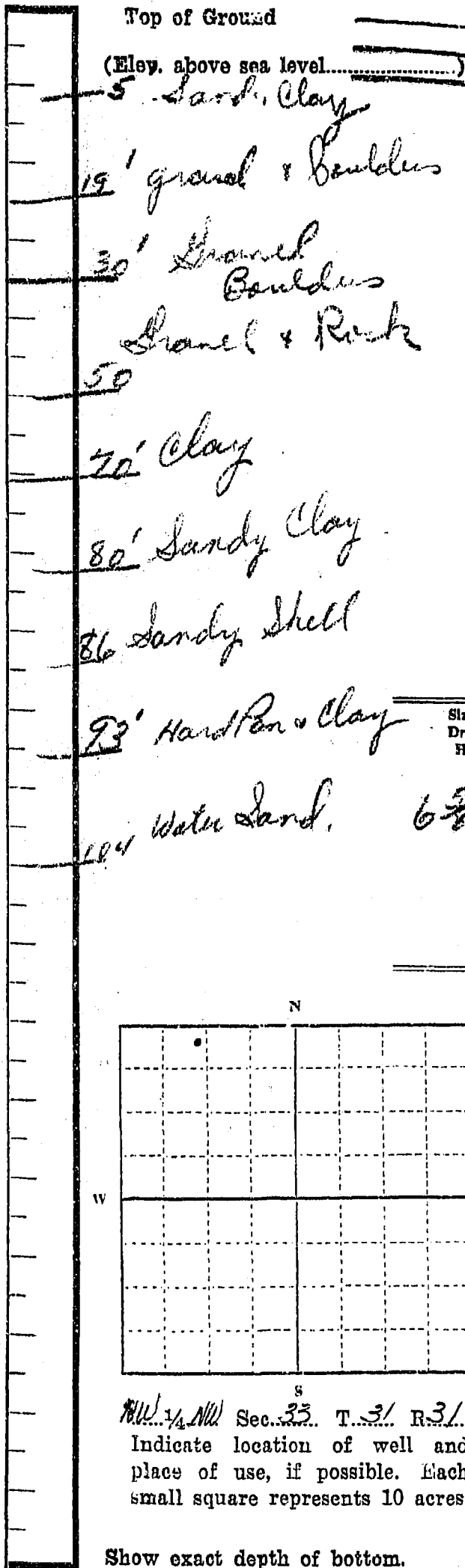
Date of Notice of Appropriation of Groundwater.....

Date well started 4-3-67 Date Completed 4-6-67

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.



Show exact depth of bottom.

Static Water Level for non-flowing Well 96 feet.

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

Pumping Water Level 89 feet at 15 gal. per minute.

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

How Tested baled 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 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; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

441512

RECEIVED

647

RECEIVED  
CLERK OF DISTRICT COURT

STATE OF MONTANA  
COUNTY OF LINCOLN  
Filed this 15<sup>th</sup> day of  
August A. D. 1968  
at 8:45 A.M.  
Richard L. Haugh  
County Clerk  
By Verdon J. Hegdorn  
Deputy

File No.....

T. 31 N. R. 31 W

DUPLICATE

County Lincoln

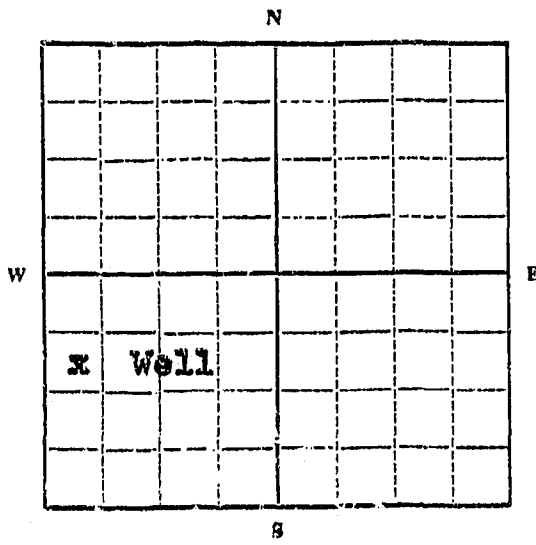
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

D  
JAN 27 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Theodore W. Graham, of Box 30 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:



SW 1/4 Sec. 33 T. 31 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, garden, stock watering

3. Date or approximate date of earliest beneficial use; and how continuous the use has been... July 1, 1935

4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 2 1/2 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... Tr. 3-AAA in SW 1/4 SW 1/4, Sec. 33-31-31 (11.25 Acres)

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... H.P. pump, pressure tank, 23 foot well located on above described land.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... July 1, 1935

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... Well 23 feet deep, with 1/2 in. pipe, pressure tank and 1/2 H.P. motor.

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

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

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

Signature of Owner Theodore W. Graham

Date Dec 23, 1963

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

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

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



225

INDEXED

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 23rd day of

December A. D. 1963

at Billings M.

By W. J. Mansfield County Clerk

Mac Kahan Deputy

33

File No.....

T. B. J. N. R. 31. W. M. P. M.

DUPLICATE

County LINCOLN

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

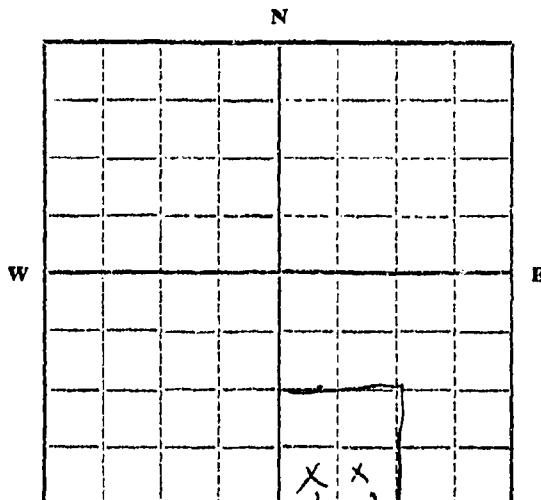
RECEIVED  
FEB 17 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Albert C. Grambauer, of Box 33 Pte 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:



SW 1/4 Sec 32 T31 R32

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 Irrigation Watering of stock Trailer Rental supply
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1922 used since then
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 70 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 Three acres A.C. Grambauer
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 2 Electric pumps
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Well No. 1 - 1922 Well No. 2 1960
- 8. The depth of water table About 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 Both about 28 FT deep 2" pipe in each
- 10. The estimated amount of groundwater withdrawn each year 25000 Gallons
- 11. The log of formations encountered in the drilling of each well if available Pea Gravel in both
- 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 Albert C. Grambauer  
Date Dec 28 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.

34939

# 308

INDEXED

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 30<sup>th</sup> day of  
December A. D. 1963  
at 4:35 P. M.  
M. M. Mergfeld  
County Clerk.  
By Uladis Slagden  
Deputy

File No.....

T. 31 R. 31

DUPLICATE

County.....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER FEB 17 1964

RECEIVED

Top of Ground  
(Elev. above sea level 2042)

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

(Under Chapter 237, Montana Session Laws, 1961)



Owner W. J. Hagerty Address Libby Mont

Driller W. J. Hagerty Address Libby Mont

Date of Notice of Appropriation of Groundwater 12-23-63

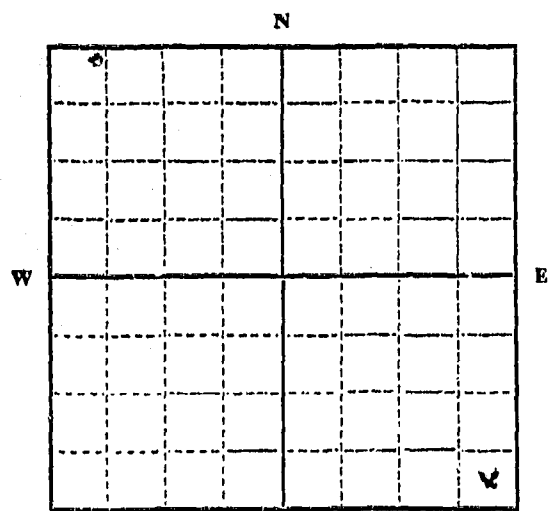
Date well started 6-2-63 Date Completed 6-3-63

Type of well Driven Equipment Used Tractor w/ 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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4"	4"	2042	2008	1/4"	2012	2008



SW 1/4 Sec. 33 T31 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 2025 feet.

Shut-in Pressure for Flowing Well NOT applicable

Pumping Water Level 2025 feet at 25 gal. per minute.

Discharge in gal. per min. of flowing well NOT applicable

How Tested Electric Pump Length of Test 30 min

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) !

N. Cole  
Driller's License Number

W. J. Hagerty  
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.

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 30th day of December A. D. 1943

at 11:44 A.M.  
M. M. Mansfield  
County Clerk

By W. E. Watson Deputy

RECEIVED  
COUNTY CLERK  
LINCOLN COUNTY  
MONTANA  
DEC 30 1943

File MONTANA WATER RESOURCES BOARD

T. 31 N., R. 31 W., M. 8 M.

RECEIVED  
DUPLICATE

MONTANA WATER RESOURCES BOARD

County LINCOLN

SEP 24 1967

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground  
OCT 30 1967  
(Elev. above sea level 2062.5)

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

(Under Chapter 237, Montana Session Laws, 1961)



0'-16' Man Hole.  
16'-18' Gravel and boulders.  
18'-29' sand, gravel, some water.  
29'-36' Tight clay and gravel.

Owner CITY OF LIBBY Address LIBBY MONTANA

Driller William D. Lake Address Libby, Mont.

Date of Notice of Appropriation of Groundwater

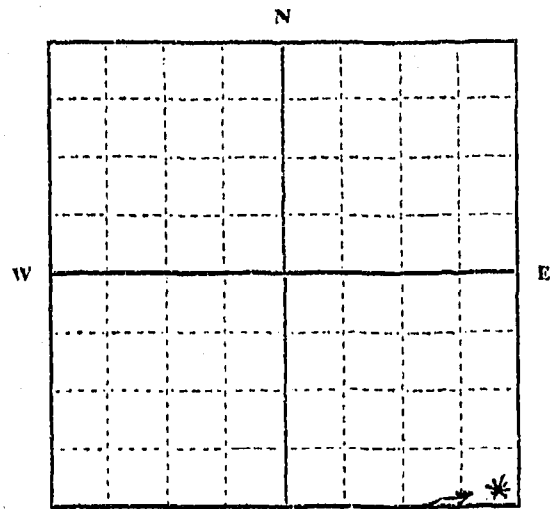
Date well started Sept. 26, 1967 Date Completed Sept. 27, 1967

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 Castag	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" I.D.	6 5/8" O.D. 18.97 lbs. per foot	16'	36'		none	



LOT 8  
Sec. 33 T. 31 N., R. 31 W.  
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 15 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 18 feet at 30 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested pump Length of Test 2 hrs.

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

152  
Driller's License Number

William 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.

INDEXED

615

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 29th day of  
November A. D. 1917  
at 3:05 p. M.  
Charles F. Taughton  
County Clerk.  
By Mae Watson Deputy

10

File No. ....

T. 31N R. 31W

DUPLICATE

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
FEB 17 1964

Declaration of Vested Groundwater Rights

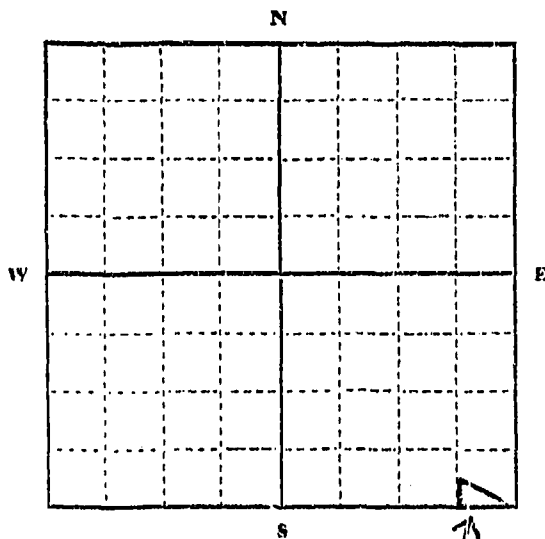
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Lester J. + Edith L. Moles, of Route 1 Box 31 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 Sec 33 T.31N 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 household garden + fire protection
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been Sept. 1950 - Daily
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) Five (5)
- 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 Three (3) acres - garden berry patch lawn + flower garden - hay
- 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 Approx 1930

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 Driven galvanized Pipe 2 inch Diameter Approx 28 ft.

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

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

Lester J. Moles  
Signature of Owner Edith L. Moles

Date 12/27/63

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

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

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



Electric Bonds

1963

1963

STATE ENGINEER

REGISTERED

299

REGISTERED

STATE OF MONTANA  
COUNTY OF LINCOLN

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

at 5:47 P.M.

By Walter H. Hatten County Clerk

By Walter H. Hatten Deputy

File No. ....

T. 31 R. 31

DUPLICATE

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

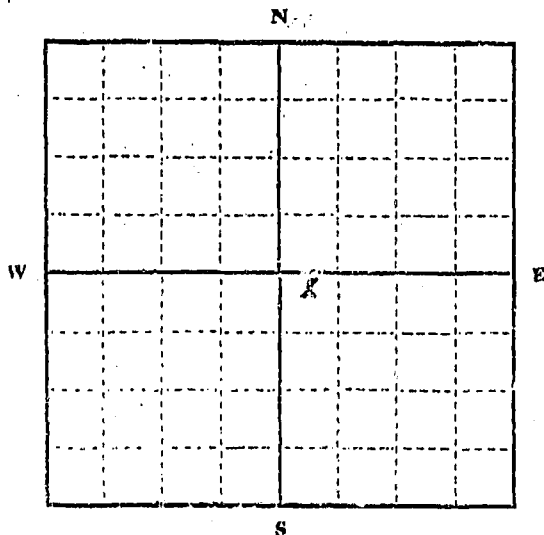
RECEIVED  
DEC 19 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Dorman Nolan, of Rte. 1 Box 15-91 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:



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

For use in home and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been..... Dec. 1, 1956 and still in use at this date Dec. 12, 1963

4. The amount of groundwater claimed (in miner's inches or gallons per minute)..... 50 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..... None

1/4 Sec. 33 T51N R. 31W  
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

Well is located 115' East from N.W. corner then 75' south of property line.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal..... Deep well jet pump 1h.p. motor, 1 1/2" pressure pipe, 1 1/2" suction pipe, 480 gallons per hour.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater..... November 1, 1956 completed November 18, 1956

8. The depth of water table..... 92 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..... Well 6" casing 102 feet deep

10. The estimated amount of groundwater withdrawn each year..... 2,500,000 gal. per year

11. The log of formations encountered in the drilling of each well if available..... 16 ft. gravel and dirt 74 feet clay then 2 feet hard pan. We had to drill another 10 feet to get through the quick sand. This makes the well 102 feet deep.

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.....

Dorman Nolan

Date Dec. 2, 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.

10375

File No. ....

T. 31 N. R. 31 W. 33 E

DUPLICATE

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

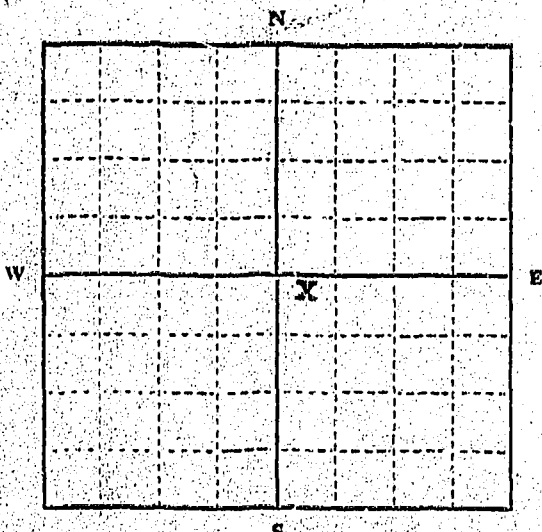
RECEIVED  
DEC 19 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Dorran Nolan of Rte. 1 Box 16-91 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:



- 2. The beneficial use on which the claim is based.....  
For use in home and irrigation
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been..... Dec. 1, 1956 and still in use at this date Dec. 12, 1963
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute)..... 50 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.....  
None

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

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

Well is located 115' East from N.W. corner then 75' south of property line.

- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal..... Deep well jet pump 1h.p. motor, 1 1/2" pressure pipe, 1 1/2" suction pipe, 480 gallons per hour.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater..... November 1, 1956 completed November 18, 1956

8. The depth of water table..... 92 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..... Well 8" casing 102 feet deep

10. The estimated amount of groundwater withdrawn each year..... 2,500,000 gal. per year

11. The log of formations encountered in the drilling of each well if available..... 18 ft. gravel and dirt 74 feet clay then 2 feet hard pan. We had to drill another 10 feet to get through the quick sand. This makes the well 102 feet deep.

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 Dorran Nolan

Date Dec. 2, 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.

10375

RECEIVED

173

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 11th day of  
December A. D. 1963

at 12:30 P.M.  
M. M. Mansfield  
County Clerk

By Mar. Hatan  
Deputy

File No. ....

RECORDED

T. 31 N R. 31 W

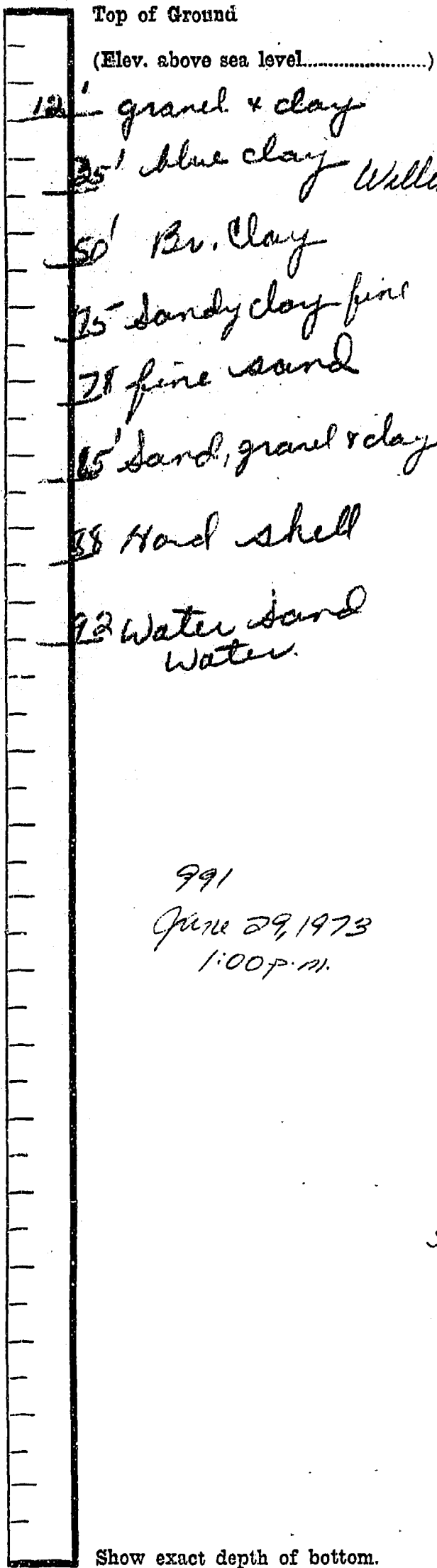
DUPLICATE

County Lincoln

LOG MONTANA DEPARTMENT OF NATURAL RESOURCES 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 Nolan Address Libby Mont.

Driller C. L. Pidgeon & H. G. ... Address Box 2 Libby

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

Date well started 4-14-69 Date completed 4-15-69

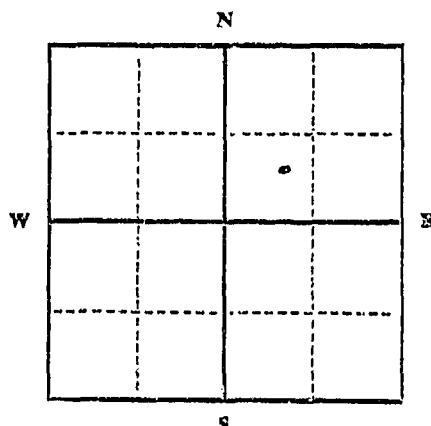
Type of well drilled Equipment used Churn (Dug, driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic [checked] 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.

Table with columns: Size of Drilled Hole, Size and Weight of Casing, From (Feet), To (Feet), PERFORATIONS (Kind Size, From (Feet), To (Feet)). Handwritten entry: 6 5/8, #19, 0, 92', 1/2 Round, 0, 4'

991 June 29, 1973 1:00 P.M.



Static Water Level for non-flowing well 75 feet.

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

Pumping Water Level 79 feet at 10 gal. per minute.

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

How Tested baled

Length of Test 2 hr.

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

SW 1/4 NE Sec. 33 T. 31 N R. 31 W. Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

141 Driller's License Number

Clifford J. Bucher Driller's Signature

54932

I hereby certify that the within and foregoing is a true and correct copy of the original as the same appears in the files of the County Clerk of Lincoln County, Montana.


1919  
 0 45  
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1919  
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991

STATE OF MONTANA  
 COUNTY OF LINCOLN  
 Filed this 29<sup>th</sup> day of June A. D. 1923  
 at 1:00 P. M.  
William D. Hargrave  
 County Clerk  
 By Verdell D. Hargrave

1919  
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 10

File No.....

T. 31 N. R. 31

DUPLICATE

County Lincoln

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

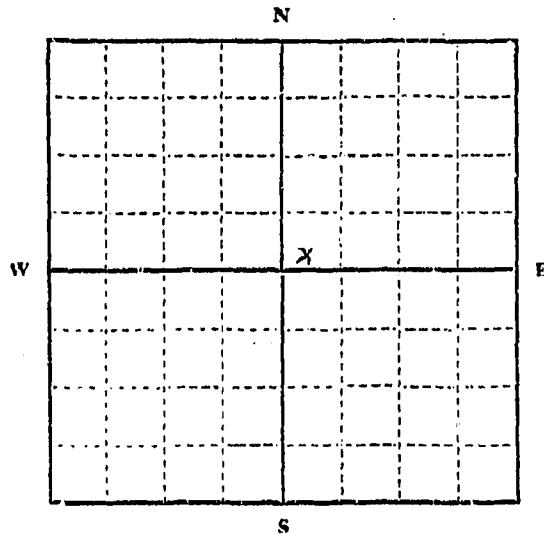
RECEIVED  
FEB 17 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Harvey R. Noble of Rte# 1, Box 16-95 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 33 T31 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, irrigating, watering stock.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been About 1945, continuous.

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 1 acre, garden, and lawn.

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 18 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 concrete curbing, 4 ft. square, 25 ft. deep.

10. The estimated amount of groundwater withdrawn each year 3,000,000 gallons

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

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

Signature of Owner Harvey R. Noble  
Date 12-30-63

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.

34936

305

STATE OF MONTANA  
COUNTY OF LINCOLN  
Filed this 30th day of  
December A. D. 1963  
at 12:55 P M  
W. M. Mansfield  
County Clerk.  
By Mac Nelson  
Deputy



File No. ....

T. 31 R 31

TRIPPLICATE

County .....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

0'-6' Sandy clay.

6'-19' loose gravel.

19'-21' sand, gravel,  
some water.

21'-32' tight clay  
and gravel.

32'-37' sand, gravel,  
some water.  
(0.15 gal. per min.)

37'-40' tight clay  
and gravel.

40'-43' sand, boulders,  
and water.  
(15-20 gal.)

43'-45' boulders and  
clay.

45'-55' sand,  
gravel  
with  
water.

55'-62' clay.

Owner Vinyl Ring Address Libby

Driller William Lake Address Libby

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

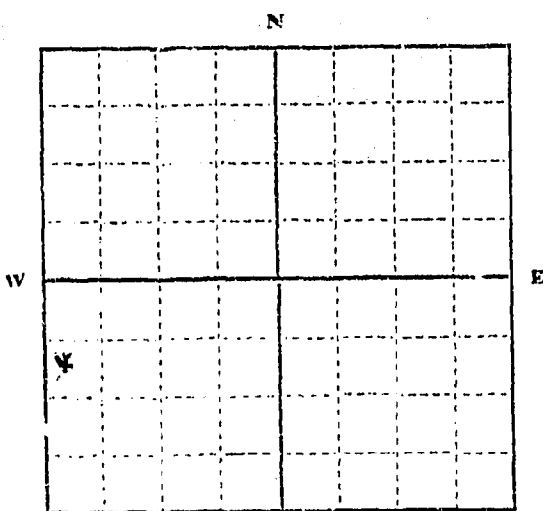
Date well started Jan 28, 1966 Date Completed Feb 10, 1966

Type of well drilled Equipment Used churn  
(dug, driven, bored or (Churn, drill, rotary or  
drilled) 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.	12.97 lbs. per ft.	0'	56'	3/4" x 2"	45	53
				33 HOLES		



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

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..... 15 feet.

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

Pumping Water Level..... 14 feet at 20 gal. per minute.

Compressor 30 " " " " 60 " " " "

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

How Tested boiler 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).....

152  
Driller's License Number

William 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; Quadruplicate for the Appropriator.

40910

537

STATE WATER  
MAR 23 1966  
McDermitt  
McNulty  
Morton  
Sullivan  
Elli  
Butzern  
Coye  
Darlington  
Dickett

STATE OF MONTANA  
COUNTY OF LINCOLN  
Filed this March 17 day of  
A. D. 1966  
at 1:15 P. M.  
Edward R. Vaughan  
County Clerk  
By \_\_\_\_\_ Deputy

GT

File No.....

T. 31N R. 31W

DUPLICATE

County... LINCOLN

Look for  
NW 1/4 SW 1/4

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED

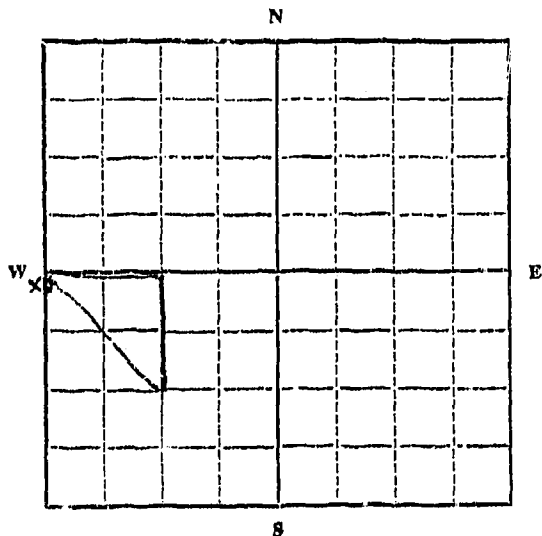
APR 19 1962

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

ASSISTANT  
STATE ENGINEER

1. EMIL AND MILDRED TURNER, of W. on HIGHWAY #2 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 SW 1/4 Sec. 33 T. 31N 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.....  
Household and lawn
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1948 until Oct. 1962-continuously  
Since Oct. 1962... intermittently
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 500 gallons per minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
No irrigation
- d. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Electric pump, located in basement, Well situated approximately 30 feet from the house.
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Date of completion October, 1948
- 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. Driven well, 6-inch casing, possible depth 35 feet
- 10. The estimated amount of groundwater withdrawn each year. approximately 3000 gallons per year
- 11. The log of formations encountered in the drilling of each well if available. Sand and gravel
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Emil Turner

Date April 3, 1962

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. 31N R. 31W

DUPLICATE

County LINCOLN

*Looks like  
NW 4 SW 1/4*

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**RECEIVED**

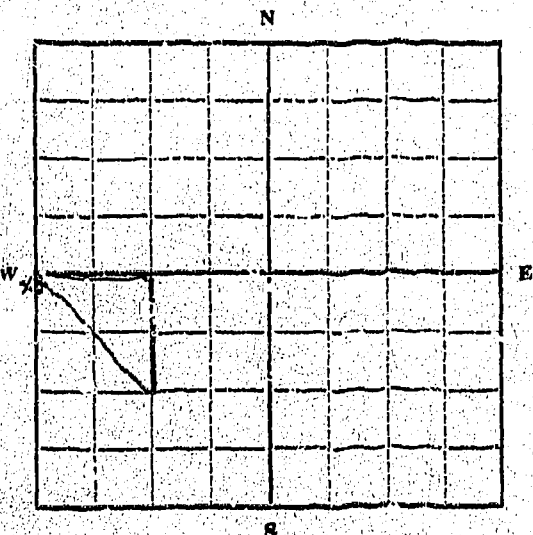
APR 19 1963

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

ASSISTANT  
STATE ENGINEER

1. EMIL AND MILDRED TURNER of W. on HIGHWAY #2 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 4 SW 1/4 Sec. 33 T. 31N 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 Household and lawn  
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1948 until Oct. 1962-continuously  
Since Oct. 1962- intermittently  
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 500 gallons per minute  
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and names of the owner thereof No irrigation  
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump, located in basement, well situated approximately 30 feet from the house.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Date of completion October, 1948  
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 Driven well, 6-inch casing, possible depth 35 feet  
10. The estimated amount of groundwater withdrawn each year approximately 3000 gallons per year  
11. The log of formations encountered in the drilling of each well if available Sand and gravel  
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Emil Turner  
Date April 8, 1962

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.

STATE OF MONTANA  
COUNTY OF LINCOLN  
Filed this 16th day of  
April A. D. 1963  
at 1:30 P. M.  
M. M. Mansfield  
County Clerk.  
By Verda Sig den  
Deputy

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

**RECEIVED**  
MAY 11 1973  
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

**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 Gene Buti  
Address Libby, Montana  
Date well started 3-17-73  
completed 3-24-73

For Administrator's Use	
File	<u>942</u>
	<u>11/24/2, 1973</u>
GW 1	<u>10:25 A. M.</u>

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

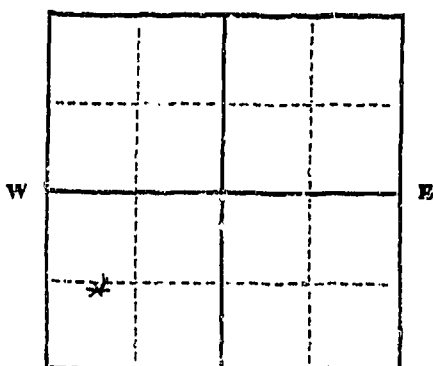
Equipment used Churn  
(Churn drill, rotary or other)

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#	31	145	1/2" rd.	140	145



Static water level 125 ft.\*  
Pumping water level 135 ft.\*  
at 10 gallons per minute,  
measured 60 minutes after pumping began.  
\*Measured from ground level.  
Well developed by hailer  
for 4 hours.  
Power..... Pump..... HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Rootenot & Heights  
SW 1/4 Sec. 31  
T. 31 N. R. 31 E.

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

Driller's Signature Clifford Bucher  
Driller's Address C. & L. Plumbing & Heating, Inc.  
Box L, Libby, Montana 59923 LICENSE NO. 141

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	10	Top Soil & Boulders
10	45	White clay & gravel
45	50	Yellow clay - sandy
50	70	Yellow clay - gravel
70	85	Yellow sandy clay
85	95	White clay & gray gravel
95	105	Yellow clay
105	130	Yellow clay & oxidized rock
130	140	Yellow clay
140	145	Gray green gravel (water)

145 Show exact depth of bottom



942

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 2nd day of  
May A. D. 1973  
at 10:25 P. M.  
Edmond L. Laughlin  
County Clerk.  
By Mae Watson  
Deputy

GW 2

File No. ....

DUPLICATE

RECEIVED

T. 31 R. 31

County Lincoln

JAN 27 1964 STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE STATE OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Harold R. Hedges Address Libby, Mont

Driller G. L. Plumberg Address Libby, Mont

Date of Notice of Appropriation of Groundwater

Date well started MAY 7, 1962 Date Completed MAY 14, 1962

Type of well Drilled Equipment Used Churn (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.

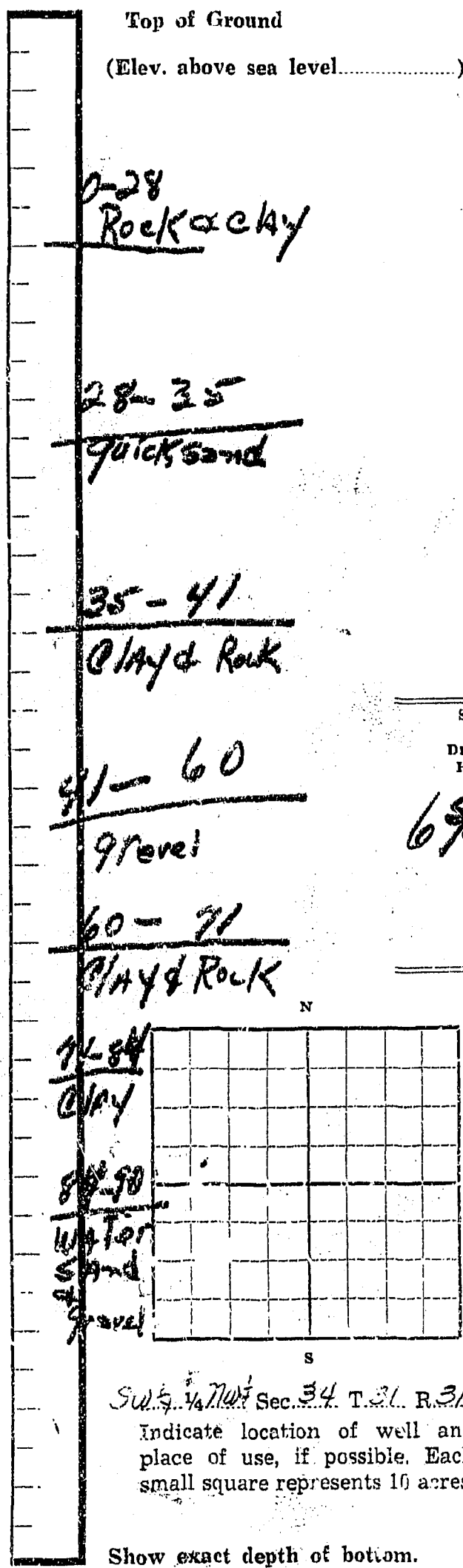


Table with columns: Size of Drilled Hole (6 5/8"), Size and Weight of Casing (6 3/4", 17 lb), From (Feet) (0), To (Feet) (90), PERFORATIONS (Kind Size: 1/2" Round, From (Feet): 84, To (Feet): 90)

Static Water Level for non-flowing Well 77 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 77 feet at 14 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailor Length of Test 4 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)

141 Driller's License Number Clifford Beuster Driller's Signature

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

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

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



Bockroch  
0098

#267  
Duckroad  
58-32

32-41  
O/N & Rock

21-90  
Plains

20-11  
O/N & Rock

6/14  
6/14

1/15  
1/15

FOR RECORDED  
HONORARY J. APPROVED

DAVID  
MAY  
SHIRTS

WIPPI  
SHIRTS

STATE OF MONTANA  
COUNTY OF LINCOLN  
Filed this 27th day of  
December, 1913  
at 4:20 PM  
By W. H. Higgins  
County Clerk

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File No. ....

T. 31 R. 31

DUPLICATE

County Lincoln

LOG

NOV 15 1968

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.....)

0-3' Topsoil.

3-19' Clay, Gravel, and Boulders.

19'-25' Clay and Gravel.

25'-37' Sandy Clay.

37'-73' Clay and Gravel.

73'-75' Sand and Gravel, with Water.

Show exact depth of bottom.

Owner..... Address.....

Driller William D. Lake Address Libby, Montana

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

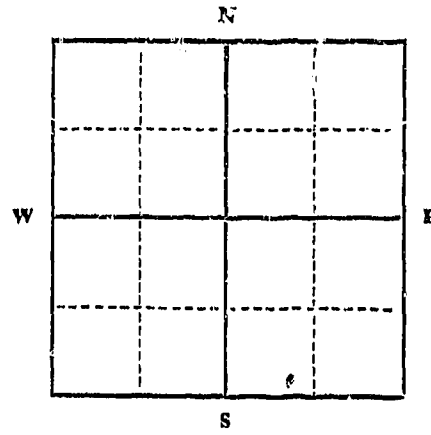
Date well started May 22, 1968 Date completed May 29, 1968

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. 27.00 lbs. per foot	0	75	NONE		



Static Water Level for non-flowing well 5 1/2 feet.

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

Pumping Water Level 57 feet

at 12 gal. per minute.

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

How Tested pump

Length of Test 1 hour

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

Sw<sup>4</sup> SE 1/4 Sec. 34 T. 31 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).

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.

752  
Driller's License Number

Wm D Lake  
Driller's Signature.

44,768

663

STATE OF MONTANA  
COUNTY OF LINCOLN

Filed this 6<sup>th</sup> day of

November H. D. 1968

at 9:05 A.M.

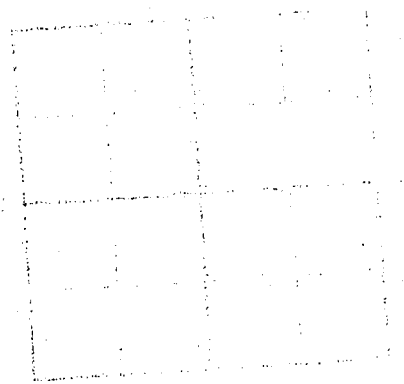
Calvin L. Vaughan  
County Clerk

By Betty Stonebraker  
Deputy

certified  true  
 original  duplicate  
 original  duplicate  
 original  duplicate  
 original  duplicate  
 original  duplicate

STATE OF MONTANA  
COUNTY OF LINCOLN

FILED  
NOV 6 1968  
COURT HOUSE  
LINCOLN, MONTANA



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File No.....

T. 31 N. R. 31 W. M. P. 11.

DUPLICATE

County Lincoln

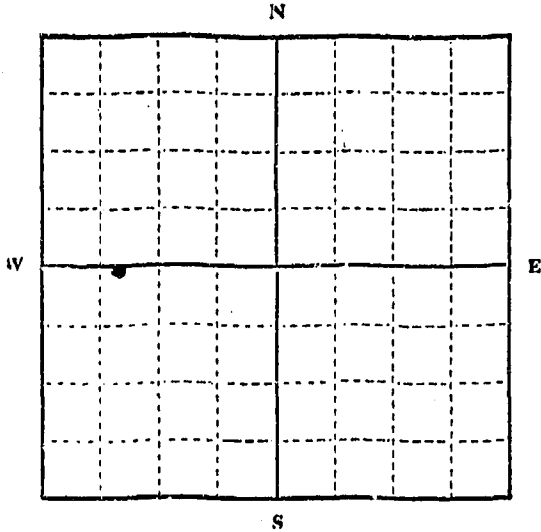
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
SEP 16 1963

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

1. J.P. + Gladys D. McDonald, of Hillman, Missoula, Mont.  
(Name of Appropriator) (Address) (Town)

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



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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1953

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

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

N.W. 1/4 SW 1/4 Sec. 34, T. 31 N. R. 31 W. M. P. 11.

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

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

8. The depth of water table. 47 feet in casing

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. 8 1/2 casing, 47 feet

10. The estimated amount of groundwater withdrawn each year. 12,500 gallons

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

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

Signature of Owner J.P. McDonald

Date Aug. 22, 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.

5900