#125

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 22 day of
August A. D. 1963
at 4:00 P. M.
M. M. Mensfeld
County Clerk.
By Elma Vaughn
Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
JUN 11 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Lincoln

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Helstead C. Hemp

Address Kootenai Hgts.
Libby, Montana 59923

Date well started 3-25-73
completed 4-1-73

For Administrator's Use
File 957
June 8, 1973
GW 1 1:30 p.m.

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

Equipment used Churn
(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

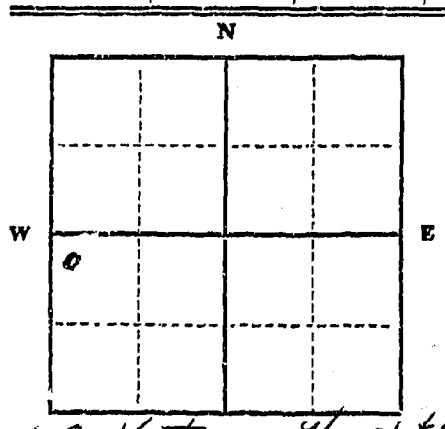
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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#	0	145	½" rd.	140	145



Lot 9, Kootenai Heights
NW ¼ SW ¼ Sec. 34
T. 31 N R. 31 E/W

Static water level 105 ft.*
Pumping water level 135 ft.*
at 10 gallons per minute,
measured 60 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)

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

Driller's Signature Clifford J. Bucher

Driller's Address C. & L. Plumbing & Heating, Inc.
P. O. Box 1, Libby, Montana 59923 LICENSE NO. 141

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	10	Top soil & boulders
10	48	White clay - sandy
48	75	Yellow clay w/ sandy gravel
75	95	Quick sand - silty
95	100	Yellow clay & gravel
100	125	Gray green gravel
125	133	Gray gravel
133	136	Hard sand
136	140	Gray gravel
140	145	Gray green gravel - water

145 Show exact depth of bottom

53,457

957

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 6th day of June A. D. 19 23
at 1:30 P. M.
Clement L. Vaughn
County Clerk.
By Mae Watson
Deputy

GW 2

STATE WATER CONSERVATION BOARD

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

File No.....

JUN 19 1967

T. 31 R. 31

DUPLICATE

County Lincoln

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

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

0'-1' Topsoil
1'-55' Clay and gravel.
55'-66' Sandy clay.
66'-73' Clay and gravel.
73'-81' Yellow clay.
81'-105' Blue clay.
105'-122' Clay and gravel.
122'-135' Sand, clay and gravel.
135'-142' Gravel with water.

Show exact depth of bottom.

Owner E M Woodward Address Star Route 2 Libby Montana

Driller William D. Lake Address Libby Montana

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

Date well started Sat. May 27, 1967 Date completed Sun. June 5, 1967

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6" I.D.	6 5/8" O.D. 18.97 lbs. per foot	0	142	none		

N
W E
S

Kootenai Heights

NW 1/4 SW Sec. 34 T. 31 R. 31

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

Static Water Level for non-flowing well 115 feet.

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

Pumping Water Level 120 feet at 10 gal. per minute.

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

How Tested Bailer

Length of Test 2 hrs.

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

.....(Continue on reverse side)

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

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

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

152
Driller's License Number

Wm D Lake
Driller's Signature

42,077

#587

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 15th day of
June A. D. 1967
at 9:35 A.M.
Eleanor L. Vaughn
County Clerk
By Pat Sunderlander
Deputy

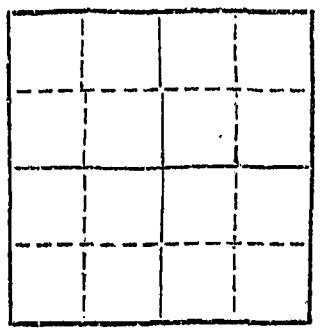
T. 31 N R. 31 W

County Lincoln

RECEIVED
MAR 10 1958
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner U. S. Forest Service Address Libby, Montana
Schultz Kalispell, Mont.
Driller Liberty Const. Co. Address Missoula, Montana

Date Started 1937 and Feb. 1958 Date Completed 1937 and Feb. 1958

Location: Sec. 34 T. 31 N R. 31 W ¼ sec. SE

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

Water use: Domestic [x] Municipal [ ] Stock [x] Irrigation [ ]

Industrial [ ] Drainage [ ] Other: Automotive shops

Casing: 1 ft. to 26 ft. Type Buttweld steel Size 6" I.D. Std.

Casing: 26 ft. to 129 ft. Type Threaded steel Size 6" I.D. Std.

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. - to ft. - Ft. - to ft. -

Type of screen or perforations none

Static Water level, for non-flowing well: 27 (102 ft. from surface) feet.

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

Pumping water level 24 feet at 10 gal. per min. 1

How tested: bailer (2½ hr. with pump at 1800 gal. per hr.)

Length of test 1 hr. with bailer - 2½ hr. with pump

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

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
1	103	No log - Done by Schultz of Kalispell in 1937
		Last several feet was apparently in sand or sandstone
103	129	Sand or sandstone formation bearing water
		Drilled by Liberty Const. Co. of Missoula in Feb. 1958.
		Original casing very difficult to drive. Static water was
		standing 91 ft. from surface when driving started. Static
		water was lost. At final depth of 129 ft. static water level
		was 27 ft. which checked quite closely with existing level of
		nearby Kootenai River at time of drilling.

File No. B-57-Page 593-594 T 31N R 31W

ORIGINAL Lincoln Co, Montana County Lincoln

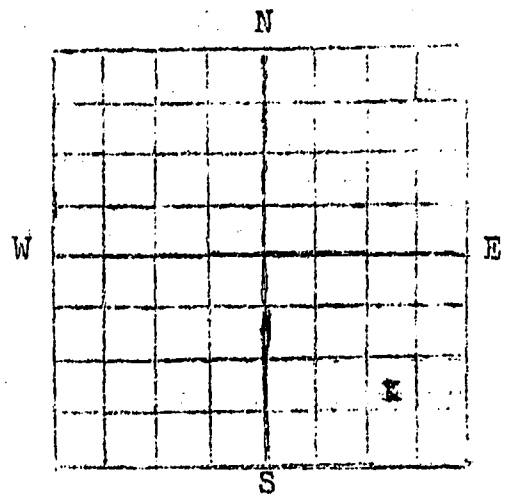
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

RECEIVED
STATE ENGINEER

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

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



SE ¼ 34 Sec. 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 Residence and business needs for Libby Ranger Station administrative site.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Spring and well in continuous use since 1937

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1200 gal./hour 20 gal. per min.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not for irrigation other than lawn sprinkling. Approximately 1 acres.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Spring catch basin and 5000 gal. tank; 129 foot well and 5000 gal. storage tank; all on administrative site, NE¼, Sec. 34, T31N,R31W,MPM

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Well drilled 103 feet in 1937 and spring catch basin constructed to same year and completed that year. Well extended to 129 feet in 1956, completed on 2/19/56.

8. The depth of water table 102 feet approximately

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 See attached sheets - Thermo-fax copies for (3) courthouse and state

10. The estimated amount of groundwater withdrawn each year 1,092,000 gal./year (2 t. @ 50 gal./person/day)

11. The log of formations encountered in the drilling of each well if available
0-103 feet (1937) no log available
103-129 feet (1956) in sand/or sandstone - 27 feet of water in well.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Recorded: Lincoln County, Libby, Montana Book 51 Page 593, 594

Signature of Owner Acting Forest Supervisor, Kootenai National Forest, ~~Libby, Montana~~

Date 3-5-62

-over-

1700

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

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

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

STATE OF MONTANA }
County of Lincoln } ss.

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

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

Subscribed and sworn to before me, this 5 day of March, 19 62

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

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

35

File No.....

T. 31N R. 31W

DUPLICATE

County Lincoln

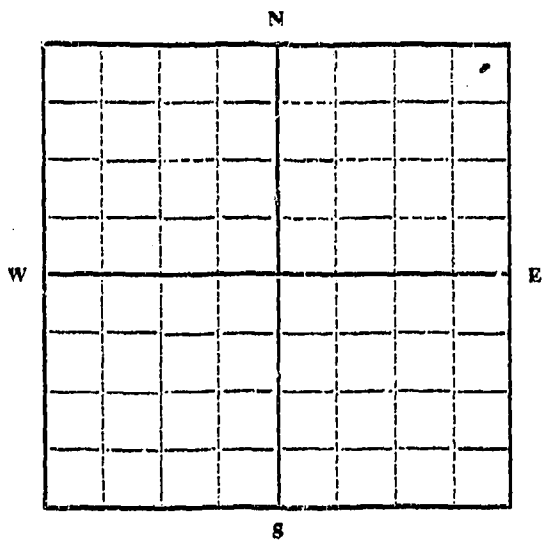
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 1 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Clayton R. & Alice M. Peterson, of Box 365 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 ¼ Sec. 35 T31N R31W

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 water use & sprinkling lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 1960 steady, no shortage

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 gal. a min

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not used for irrigation other than small lawn.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal jet pump on 95 foot deep well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater approx. start June 1960 & completion on July 1960

8. The depth of water table 80 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 8" casing on 95 feet deep well

10. The estimated amount of groundwater withdrawn each year 24,000 gal.

11. The log of formations encountered in the drilling of each well if available topsoil, hardpan, sand & 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 Clayton R. Peterson

Date March 25, 1963

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

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

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

49

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 26th day of March A. D. 19 63 at 1:45 P. M.

M. J. Mansfield
County Clerk.

By Mae Watson
Deputy

GW 2

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

File No.....

DUPLICATE

STATE WATER CONSERVATION BOARD
RECEIVED
AUG 13 1965

T. 31 N R. 31 W

County Lincoln

REFERRED TO.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

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

10 Clay
12 gravel & sand
40 Clay
60 Quick Sand
79 Clay & Vermiculite
85 Hardpan
99 Bedrock

Owner Tom Roberts Address Libby, Mont.

Driller C & L Plbg. & Htg. Address Libby, Mont.

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

Date well started 4/8/65 Date Completed 4/12/65

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6-5/8 OD	6-5/8 OD 17#	0'	99'	1/2" Round	93'	99'

Static Water Level for non-flowing Well 78' feet.

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

Pumping Water Level 80' feet at 10 gal. per minute.

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

How Tested Bailer Length of Test 2 hrs.

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

N
W E
S

Tract 4 Collinsons Tracts
NE¼NE Sec. 35 T. 31 R. 31
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

141
Driller's License Number

Clifford F. Burden
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.

39427

#498

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 11th day of August A. D. 1965 at 11:35 A.M.

R. D. Mansfield
County Clerk

By Verda Hyldem
Deputy

STATE WATER CONSERVATION BOARD
AUG 13 1965
RECEIVED

GV

File No. # 41

DUPLICATE

T. 31 N R. 31 W Sec. 35

County Lincoln

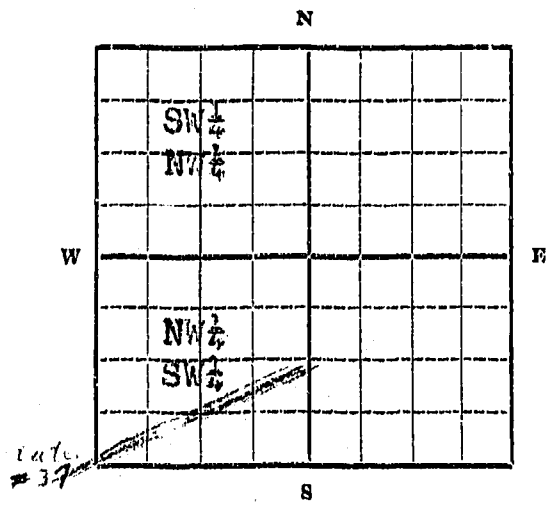
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 30 1962
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Herbert W. Neils (Name of Appropriator), of Libby (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:



.....¼..... Sec..... T..... R.....

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 is domestic irrigation stock water, pond and pool

3. Date or approximate date of earliest beneficial use; and how continuous the use has been first used Feb. 23, 1956 and has been used as needed since

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof SW¼NW¼ and that part of NW¼SW¼ lying North of state hiway #37 (68½ acres) in Sec. 35 Twp.31 N.R.31W., owned by Herbert W. Neils

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pipes leading from spring into tank and three inch pipe to point of use, system completed Aug.15, 1961, works located 720 ft. SE of NW corner of SW¼NW¼.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater system presently used commenced July 1, 1961 and completed August 15, 1961.

8. The depth of water table surface at spring

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 two lead in 2" pipes to 300 gal. tank three inch line from there to points of use

10. The estimated amount of groundwater withdrawn each year spring flows continuously

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 none

Signature of Owner Herbert W. Neils

Date 8-28-62

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

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

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

2036.

#41

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 28th day of August A. D. 19 62 at 4:20 P. M.

M. M. Mansfield
County Clerk.

By Eleanor Vaughn
Deputy

GW 2

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

File No. .....

T. 31 R. 31

DUPLICATE

County Lincoln

MONTANA WATER RESOURCES BOARD
LOG RECEIVED
APR 1 1969

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Top of Ground

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

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

0'- 1'	Topsoil.
1'-35'	Sand, Gravel, and Clay.
35'-70'	Sandy Clay.
70'-88'	Clay and Gravel.
88'-90'	Sand, Gravel and some water.
90'-98'	Clay and Gravel.
98'-100'	Sand and Gravel with Water.

Show exact depth of bottom.

Owner R.H. + Bill Payne Address Libby, Mont

Driller William D. Lake Address Libby, Montana

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

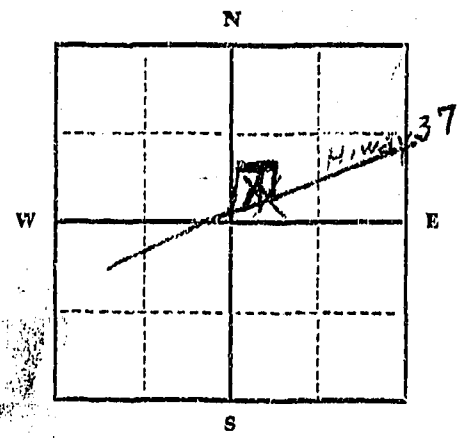
Date well started March 12, 1969 Date completed March 18, 1969

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6" I. D.	6 5/8" O.D. 17.00 lbs. per foot	0	100		None	



Static Water Level for non-flowing well 85 feet.

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

Pumping Water Level 86 feet at 10 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).....

SW¼ NE¼ Sec. 35 T. 31 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).

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.

45,079

#681

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 28th day of March A. D. 19 69 at 1:30 P. M.

Eleanor L. Vaughn
County Clerk.

Betty Stonebarker
Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
APR 21 1972
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Lincoln

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Montana Conference Association of Seventh Day Adventists

Address Rt. 2, Box 81
Libby, Montana

For Administrator's Use
File 860 - April 12, 1972
10:05 A.M.
GW 1

Date well started April 4, 1972
completed April 6, 1972

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

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

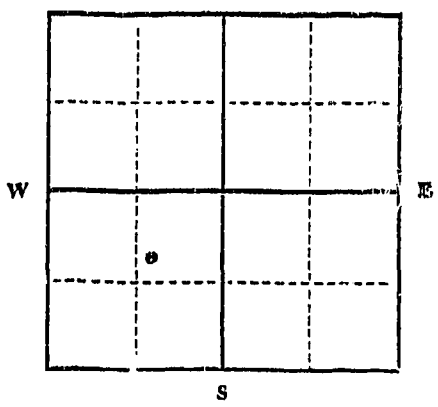
Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☒* Garden/Lawn ☐

*Describe Church

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

ESTIMATED ANNUAL WITHDRAWAL 100,000 Gal. per yr.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6" I.D.	6 5/8" O.D. 17.00 lbs. per ft.	0	70		None	



Static water level 48 ft.*
Pumping water level ft.*
at 15 gallons per minute,
measured 120 minutes after pumping began.
*Measured from ground level.
Well developed by Compressor
for 2 hours.
Power Diesel Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

NE ¼ NW ¼ Sec. 35
T. 31 N S R. 31 E W

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

Driller's Signature [illegible]

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

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	1	Topsoil.
1	5	Gravel and Boulders.
5	23	Sandy Clay.
23	58	Clay, Gravel and Boulders.
58	62	Gravel and Water.
62	68	Clay and Gravel.
68	70	Gravel and Water.

70 Show exact depth of bottom

50,249

860

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 17th day of
April A. D. 1972
at 10:45 A.M.
Eleanor L. Vaughn
County Clerk.
By Mae Watson
Deputy

GW 2

File No.....

DUPLICATE

STATE WATER CONSERVATION BOARD
RECEIVED
AUG 5 1965

REFERRED TO.....

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

T. 31 N R. 31 W 35

County Lincoln

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Rodney Mitchell Address Libby Mont.

Driller C+L Plbg & Htg. Address Libby Mont.

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

Date well started 4-20-65 Date Completed 4-23-65

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

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

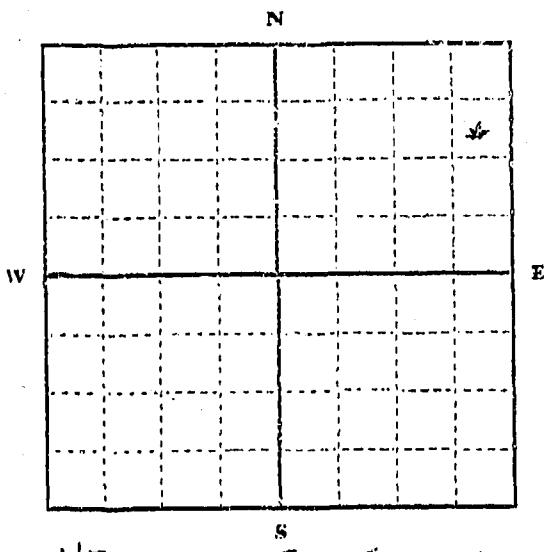
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

Top of Ground

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

0
15 gravel
40 Brown clay
70 Blue clay
73 Vermiculite
92 Hard Rock
98 Water bearing

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	98	1/2" Round	92	98



NE 1/4 Sec 35 T. 31 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 86 feet.

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

Pumping Water Level 88 feet at 20 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

Clifford Burkhart
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.

39390

493

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 29th day of July A. D. 19 65

at 11:45 A.M.

M. M. Mansfield
County Clerk.

By Mae G. Wilson
Deputy

GW 2

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

File No.....

T. 31 N R. 31 W 35

DUPLICATE

County Lincoln

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

0 Clay

10

18 gravel + rock

25 Sand & Gravel

39 Water

Owner Marion Miller Address Libby Mont

Driller C & L Pump & Well Address Libby Mont.

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

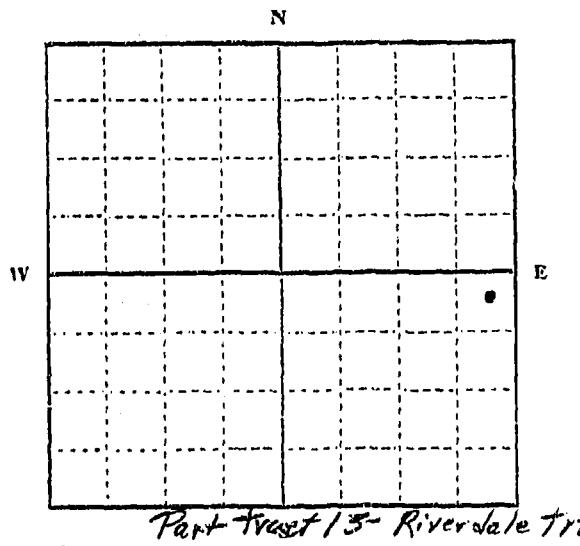
Date well started 6/1/65 Date Completed 6/2/65

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6 5/8 od	6 5/8 od 17#	-0-	-39-	1/3" Round	35'	39'



Part tract 15 - Riverdale Tracts

NE 1/4 SE Sec. 35 T. 31 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 10' feet.

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

Pumping Water Level 21' feet at 30 gal. per minute.

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

How Tested Bailed Length of Test 1 1/2 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.

40689

INDEXED

524-A

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 3rd day of
Jan A. D. 1966
at 9:45 M.
ELEANOR L. VAUGHN
County Clerk.
By Verda Hyden
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4835

File No.....

T. 31 R. 31

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
SEP 19 1968

County Lincoln

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Top of Ground

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

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

0'- 1' Topsoil.

1'-31' Clay, Sand, and Gravel.

31'-64' Sandy Clay.

64'-79' Sand and Gravel. (dry)

79'-95' Sand, Gravel, with Water.

Show exact depth of bottom.

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

Driller William D. Lake Address Libby, Montana

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

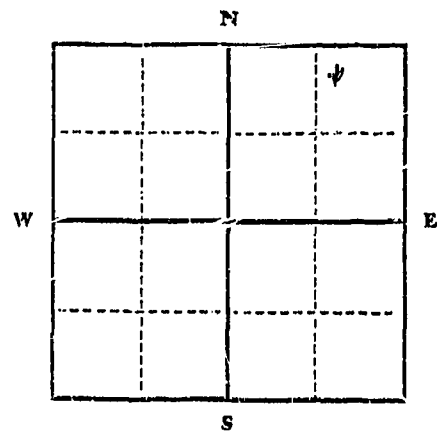
Date well started August 22, 1968 Date completed August 26, 1968

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6" I. D.	6 5/8" O.D. 17.00 lbs. per foot	0	95	none		



NE¼NE¼ Sec. 35 T. 31 R. 31

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

Static Water Level for non-flowing well 78 feet.

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

Pumping Water Level 80 feet at 10 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).....

(Continue on reverse side)

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

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

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

152
Driller's License Number

Wm D Lake
Driller's Signature.

44,586

650

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 16th day of
September A. D. 1968
at 10:45 A.M.
Eleanor F. Vaughn
County Clerk.
By Delsa Walton
Deputy

GW 2

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

STATE WATER CONSERVATION BOARD
RECEIVED
AUG 13 1965

File No.....

DUPLICATE

T. 31 N R. 31

County Lincoln

REFERRED TO.....

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..... .....)

Clay

25' Sandy clay

35' water sand little water

40' Blue clay

45' quick sand.

74 sand + Gravel,

91 Water sand.

108' water.

Owner Dr. James Graham Address Libby Mont.

Driller C. & L. Libby & Hog Address Libby Mont.

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

Date well started 6/29/65 Date Completed 7/2/65

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6 5/8 od	6 5/8 od	-0-	-108-	1/2 Hole	-108-	-104-

N

W E

S

NE 1/4 NE 1/4 Sec. 35 T. 31 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 82 feet.

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

Pumping Water Level 88 feet at 20 gal. per minute.

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

How Tested Bailed Length of Test 1 1/2 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 Libby
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.

39409

INDEXED #496

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 3rd day of August A. D. 1965 at 1:30 P. M.

M. M. Mansfield
County Clerk.

By Eleanor Murphy
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—393

File No.....

T. 31 R. 31

DUPLICATE

County Lincoln

RECEIVED
MAR 5 1964
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

20' Boulders gravel

30 clay

50' sand & silt

84 clay

water and 91

Owner Donald Erickson Address Libby, Mont.

Driller C & L Plbing Address Libby, Mont.

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

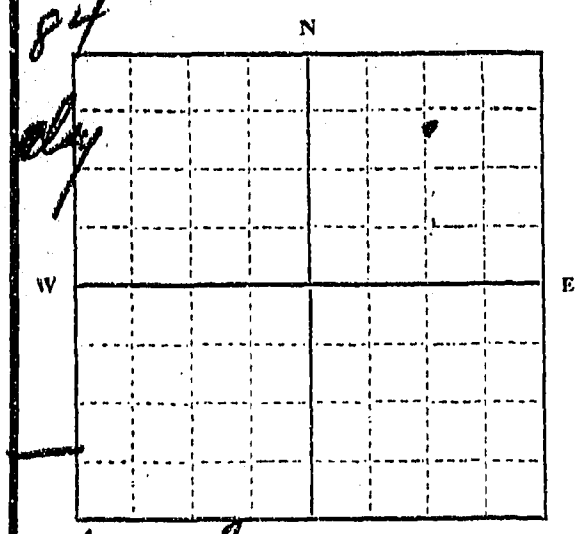
Date well started 2/10/63 Date Completed 2/13/63

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6 5/8	6 5/8 17#	0	91	1/2 wd.	85	91



NE¼NE¼ Sec. 35 T. 31 R. 31

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

Static Water Level for non-flowing Well 21 feet.

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

Pumping Water Level 18 feet at 10 gal. per minute.

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

How Tested Bailer Length of Test 2 hrs

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

141
Driller's License Number

Sherman Mont
Driller's Signature

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.

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.

35062

#332

INDEXED

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 31 day of December A. D. 1963 at 9:00 A.M.

M. M. Mansfield
County Clerk

By Elma Vaughn
Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
AUG 21 1972

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 William Grismore

Address Rt. 1, Box 1250

Libby, Montana 59923

Date well started July 5, 1972

completed July 6, 1972

For Administrator's Use
File 890
August 3, 1972 12:30 p.m.
GW 1

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

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

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

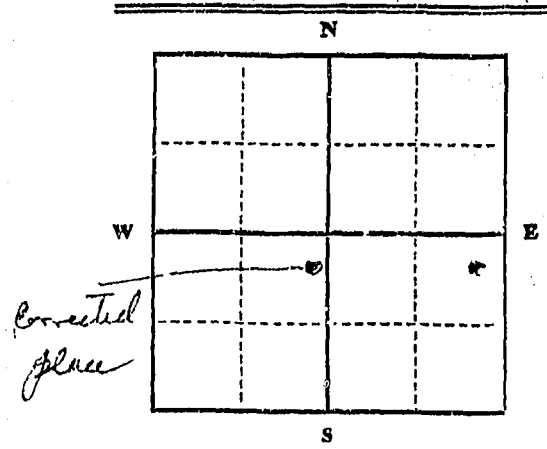
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 100,000 Gal. per yr.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6" I.D.	6 5/8" O.D. 17.00 lbs. per ft.	0	51	None		



NE ¼ SW ¼ Sec. 35
T. 31 (N) R. 31 E (W)
S

Static water level 32 ft.*
Pumping water level ft.*
at 20-30 gallons per minute,
measured 120 minutes after pumping began.
*Measured from ground level.
Well developed by Compressor
for 2 hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

R.J.D.

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

Driller's Signature Wm D Lake

Driller's Address P.O. Box 967

Libby, Montana 59923 LICENSE NO. 152

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	1	Topsoil.
1	22	Gravel and Boulders.
22	37	Clay, Gravel, and Boulders.
37	51	Sand, Gravel with Water.

51 ft. Show exact depth of bottom

51,204

890

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 3rd day of August A. D. 19 72
at 12:30 P. M.
Eleanor L. Vaughn County Clerk.
By Mae Watson Deputy

GW 2 Revised 1969
STATE PUBLISHING COMPANY

MONTANA WATER RESOURCES BOARD
RECEIVED
NOV 15 1971

County Lincoln

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Charles Collinson

Address Libby, Montana 59923

For Administrator's Use
File 805
November 10, '71
8:30 AM
GW 1

Date well started June 5, 1971
completed June 17, 1971

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 100,000 Gal. per year

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6" I.D.	6 5/8" O.D. 17.00 lbs. per ft.	0	101		None	

N
W E
S

Static water level 78 ft.*
Pumping water level 81 ft.*
at 15 gallons per minute,
measured 360 minutes after pumping began.
*Measured from ground level.
Well developed by Pump
for 6 hours.
Power elec. Pump ½ HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Tract 1-A-
NE ¼ NE ¼ Sec. 35
T. 31 N/S R. 31 E/W

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

Driller's Signature Thomas D. Fehr

Driller's Address P. O. Box 967

Libby, Montana 59923 LICENSE NO. 152

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	1	Topsoil.
1	20	Loose Sand and Gravel.
20	33	Gravel and Boulders.
33	50	Clay.
50	76	Sand.
76	91	Clay and Gravel.
91	101	Sand and Gravel with Water.

101 Show exact depth of bottom

49393

805

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 10 day of November A. D. 1971 at 8:30 A. M.

Eleanor R. Vaughn
County Clerk

By _____
Deputy

GW 2

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

MONTANA WATER RESOURCES BOARD
RECEIVED
OCT 11 1967

File No. .....

T. 31 R. 31

County Lincoln

DUPLICATE

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.....)

20' Br Clay
40' blue clay
50 gray clay
65 Bentonite
67 Br clay
68 Black shale
70' Br Clay
73 Blk Sand
81 fine sand & silt.
93 Quick sand
95 Br silt
100' Gray clay & sand
110 Quick sand
111 Blue clay
120 Quick sand
132 blue clay
140 Brn fluffy sand
150 Brn sandstone
162 Rock & Gravel
165 Water sand
Gravel & Water. Lot 2 Colburn Tracts

Owner Charles H. Collinson Address Libby Mont.

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

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

Date well started 9-17 Date Completed 9-22-67

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6 5/8 od	#17	0	176'	1/2 Round	0	4'

Static Water Level for non-flowing Well 156 feet.

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

Pumping Water Level 156 feet at 15 gal. per minute.

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

How Tested Bailed Length of Test 2 hr

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

NW NE SW SE Sec. 35 T. 31 R. 31

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

Show exact depth of bottom.

141
Driller's License Number

Clifford J. Beecher
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.

42,384

#605

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 6th day of
October A. D. 1967
at 1:30 P. M.
Eleanor L. Vaughn
County Clerk.

By
Deputy

GW 2

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

File No.....

T. 31N R. 31W 36

DUPLICATE

County Lincoln

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 30 1965
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

4	Silt (Elev. above sea level.....)
35	Gravel & Boulders
55	Hard Pan
69	Brown Clay
71	Hard Shale
80	Brown Clay
83	Hard Shale
99	Water Bearing Soil

Owner William Benson Address Libby, Mont.

Driller C & L Plbg. & Htg. Address " "

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

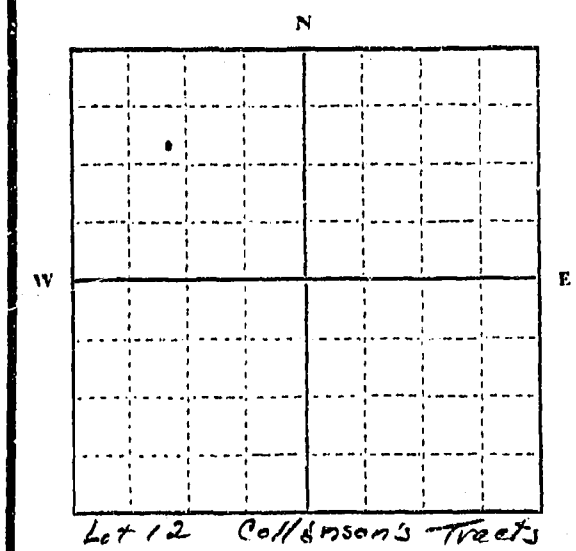
Date well started 4-2-65 Date Completed 4-6-65

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6 5/8"	6 5/8" 17#	0'	99'	1/2" Round	93'	99'



Lot 12 Collinsons Tracts
NW 1/4 NW Sec. 36 T. 31 R. 31
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 83' feet.

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

Pumping Water Level 88' feet at 12 gal. per minute.

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

How Tested Bailer Length of Test 2 hours

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

Show exact depth of bottom.

141
Driller's License Number

Clifford 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.

39094

(INDEXED) #483

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 22nd day of
April A. D. 1965
at 1:25 P. M.
M. M. Mansfield
County Clerk
By Verda Hagelman
Deputy

G

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

File No.....

T. 31 N. R. 31 W. 36

DUPLICATE

County. Lincoln

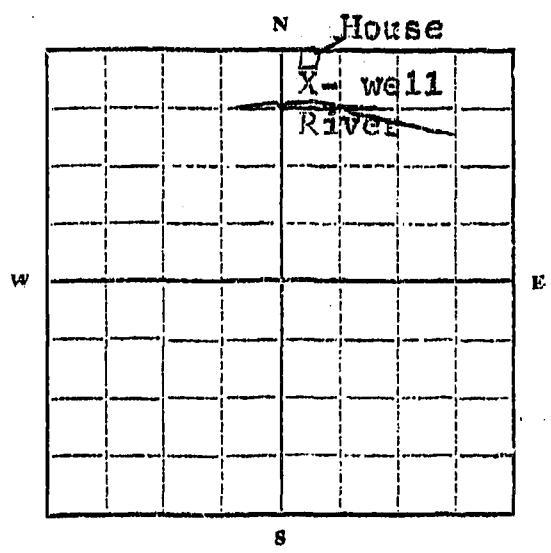
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAR 5 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ferd Boethman (Name of Appropriator), of Rte. 2 (Address) Libby (Town)
County of Lincoln State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE ¼ Sec. 36 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, irrigation - stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 1957 -- continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 45 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
Part North of Kootenai River N½NE¼, NE¼ NE¼ Section 36, T. 31N., R. 31W
Part South Highway 37 of S½SE¼, Sec. 25, T. 31N, R. 31W

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

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 varies 4 feet to 16 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 28 feet in depth drilled well - 6-inch casing

10. The estimated amount of groundwater withdrawn each year 3,600,000

11. The log of formations encountered in the drilling of each well if available 12' loamy soil Balance at well 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 Ferd Boethman

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.

35102

#372

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 31st day of
December A. D. 1963
at 10:22 A M.
M. M. Mann
County Clerk.
By Verda Hayden
Deputy

GW 2

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

File No.....

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
NOV 29 1967

T.....R.....36

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'-8' Gravel and boulders.
8'-37' Tight clay and gravel.
37'-53' Loose sand and gravel.
53'-69' Loose gravel.
69'-80' Clay and gravel.
80'-86' Gravel and water.
86'-92' Clay and gravel.
92'-96' Sand, gravel and water.

Owner Herbert L. Cox Address Rt 2 Box 252 Libby

Driller William D. Lake Address Libby, Mont.

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

Date well started Sept 9, 1967 Date Completed Sept 13, 1967

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6" D.D.	6 5/8" O.D. 18.97 lbs. per foot	0'	95'		none	

N

W E

Lot 6, Gov Lot 4 S Sec 36, Twp 31, Range 31

.....¼..... Sec..... T..... R.....

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 80 feet.

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

Pumping Water Level 81 feet at 10 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 Moutana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

614

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 22nd day of
December A. D. 19 67
at 9:30 o'clock A. M.
Elmer L. Vaughn
County Clerk
By Mae Watson
Deputy

G

Approved Stock Form—State Publishing Co., Helena, Montana—39089 36

File No.....

T 31 N R31 W

DUPLICATE

County Lincoln

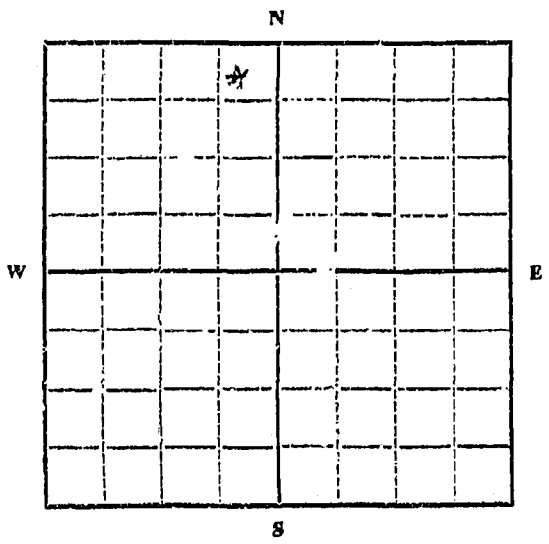
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
OCT 28 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Warren A. Johnson, of Box 132 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:



¼ Sec. 36 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 Home and Grounds, Garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been December 1, 1958 Continuous since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Six 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 For one acre of lawn and garden Warren A. Johnson

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1 HP electric Jet pump located at north east corner of house

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started June 15, 1958 Completed June 28, 1958

8. The depth of water table Well drilled to depth of 101 feet 20 feet of water

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled well with six inch Iron cassing to a depth of 101 feet

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

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

Signature of Owner Warren A. Johnson

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.

6670

142

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 22nd day of
October A. D. 19 63
at 9:30 A. M.
M. M. Mansfield
County Clerk.
By Mae Watson
Deputy

GW 2

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

File No.....

T 31 R 31

DUPLICATE

RECEIVED

FEB 29 1972

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Lincoln

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

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

0
8 Clay
20 Gravel & Rock
70 Clay
75 Sandy Clay
85 Gravel & Clay - Hard
105 Sand & Water
Bottom

Owner Walter Kammeyer Address Libby, Mont.

Driller C&L Plbg & Htg. Address " "

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

Date well started 4/14/65 Date Completed 4/20/65

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6 5/8"	6 5/8" 17#	0	105'	1/2" Round	99	105

N
W E
S

.....1/4..... Sec. 36 T. 31 R. 31 N. W. P.D.B.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 80' feet.

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

Pumping Water Level 84' feet at 30 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).....

Show exact depth of bottom.

Doc. No. 850
Filed for record
this 23 day of February
A. D. 19 72 at 10:15
o'clock A.M.

141
Driller's License Number

Clifford 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.

49,941

850

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 23rd day of February A. D. 1972 at 10:15 o'clock A. M.

Eleanor L. Vaughn
County Clerk.

By Mae Watson
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—40472 3

File No. .....

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

DUPLICATE

County Lincoln

MAR 27 1968

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Robert Schmaacow Address Libby Mont

Driller C & L Pilbg & Htg Inc Address " "

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

Date well started 1-10-68 Date Completed 2-5-68

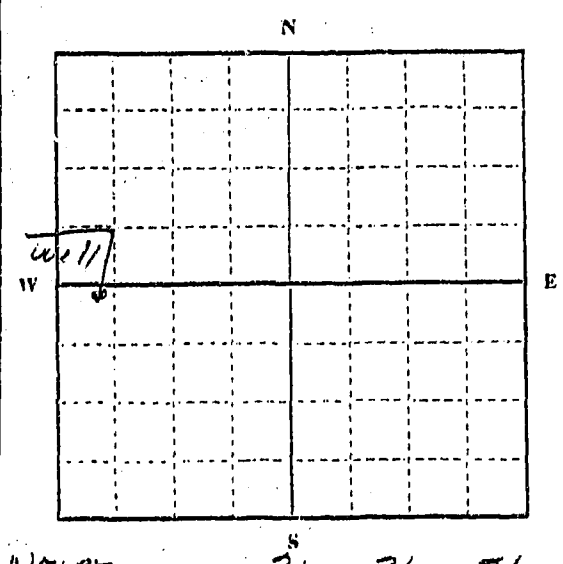
Type of well Drilled (dug, driven, bored or drilled) Equipment Used Churn (Churn, drill, rotary or other)

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6 5/8"	19#	0	279	1/2 Round	0	4

1'	Top of Ground
	Clay
23	(Elev. above sea level.....)
46	Sand & Clay
53	" "
71	Gravel
76	Gravel & Sand
84	Clay
115	Clay & gravel
140	Sand, clay & gravel
155	Clay & Rock
160	Hard pan & clay
214	Brn Clay
230	Blue Clay
234	" "
254	Br Clay & Rock
260	" " "
270	" " "
272	Hard Shell
279	Water Sand
	Sand & Water.



NE¼SE¼ Sec. 36 T. 31 R. 31

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

Static Water Level for non-flowing Well 264' 7" feet.

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

Pumping Water Level 266 feet at 10 gal. per minute.

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

How Tested Bailed Length of Test 2 hrs

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

Show exact depth of bottom.

141
Driller's License Number

Clifford J Becker
Driller's Signature

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

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

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

44,010

624

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 25th day of March A. D. 1968 at 9:25 o'clock A. M.

Edgynon L. Vaughn
County Clerk.

By Mae Watson
Deputy

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

File No.....

DUPLICATE

T. 31 R. 31

County Lincoln

LOG

Top of Ground

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

MONTANA WATER RESOURCES BOARD
RECEIVED
DEC 11 1969

Show exact depth of bottom.

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 Clarence H. Daly Address Libby Montana

Driller Womack Address —

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

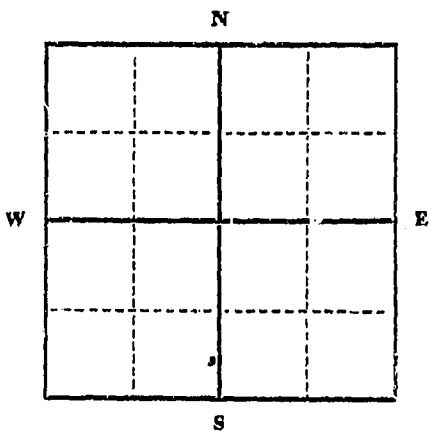
Date well started March 62 Date completed March 1962

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	19#	0	63'	NONE		



.....¼.....Sec..... T..... R.....
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 64 feet.

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

Pumping Water Level 69 feet at 8 gal. per minute.

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

How Tested Pumped

Length of Test 8 hr

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

.....(Continue on reverse side)

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

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.

Unknown
Driller's License Number

Not available
Driller's Signature.

45962

722

STATE OF MONTANA
COUNTY OF LINCOLN

Filed the 8th day of
December A. D. 19 69
at 9:05 o'clock A M.
Eleanor L. Vaughn
County Clerk.
By Mae Watson
Deputy

GW

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

File No.....

T. 31 N R. 31 W

DUPLICATE

County Lincoln

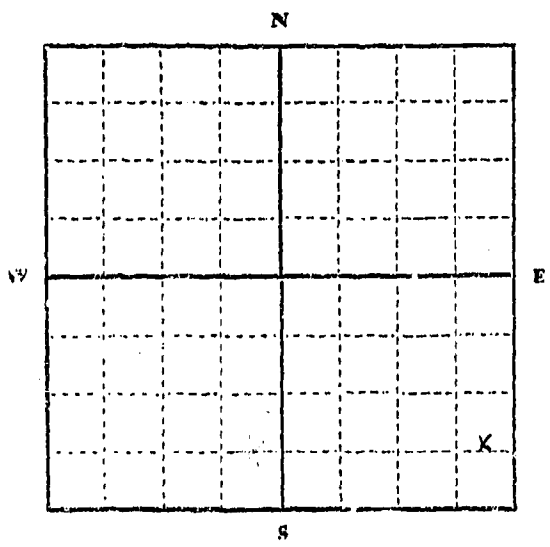
RECEIVED
MAR 5 1964
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Roy A. and Ruby A. McElmury of Box 284 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:



.....¼..... Sec..... T..... R.....

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 & Domestic use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Dec 1962
Continued use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 250 gal. per hr.

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 x 100 ft lot

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
McDonald Pumps 2 Basement

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Dec 1962

8. The depth of water table 16 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 inch casing
31 ft. drive well

10. The estimated amount of groundwater withdrawn each year 31,390 plus water for irrigation

11. The log of formations encountered in the drilling of each well if available no record

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

Ruby A. McElmury

Signature of Owner Roy A. McElmury

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.

35123

GW

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

File No.....

T. 31 N R. 31 W

DUPLICATE

County Lincoln

RECEIVED
MAR 5 1964
STATE ENGINEER

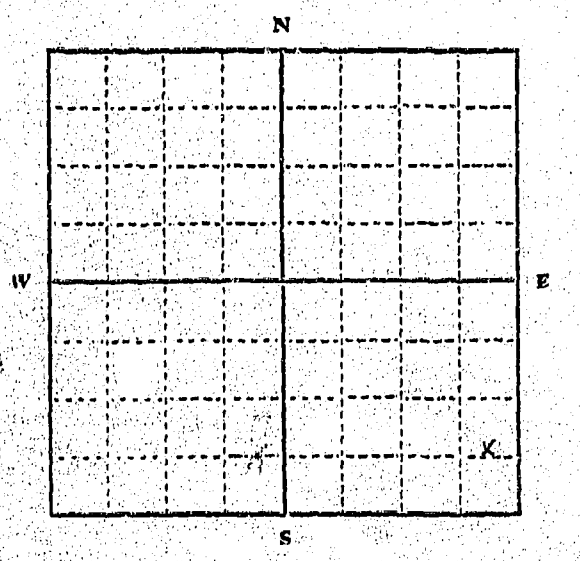
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Roy A. and Ruby A. McElmurry of Box 284 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:



.....¼..... Sec..... T..... R.....

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 use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Dec 1962
Continued use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 250 gal. per hr.

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 x 100 ft lot

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Dec 1962

8. The depth of water table 10 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
31 ft. 2 inch casing
driven well

10. The estimated amount of groundwater withdrawn each year 31,390 gallons water for household use

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 —

Ruby A. McElmurry

Signature of Owner Roy A. McElmurry

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.

35123

395

STATE OF MONTANA
COUNTY OF LINCOLN

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

at 11:34 A. M.

M. M. Mansfield
County Clerk.

By Mae Walker
Deputy

GW 2

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

File No.....

STATE WATER CONSERVATION BOARD

JUN 20 1967

T. 31N R. 31W

County Lincoln

DUPLICATE

LOG

Top of Ground

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

0'-1' Topsoil.

1'-10' Clay.

10'-13' Sand and gravel.

13'-30' Sand.

30'-37' Sand, gravel, and water.

37'-38' Tight clay, gravel, no water.

Show exact depth of bottom.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

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

Driller. William D. Lake Address. Libby Montana

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

Date well started June 8, 1967 Date completed June 8, 1967

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" D.D.	6 5/8" Ch. 12.97 lbs. per foot.	0	37	none		

N

W E

S

Lot #83 - Swerlings

.....¼..... Sec..... T..... R.....

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

Static Water Level for non-flowing well .....12..... feet.

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

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

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

How Tested. bailer and pump

Length of Test. 1 hr.

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

.....(Continue on reverse side)

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

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 applic[illegible] state, otherwise the form will be returned.

152
Driller's License Number

Wm D Lake
Driller's Signature

42,105

GW 2

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

File No.....

STATE WATER CONSERVATION BOARD

JUN 20 1967

T. 31N R. 31W

County Lincoln

DUPLICATE

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

0'-1' Topsoil.
1'-10' Clay.
10'-13' Sand and gravel.
13'-30' Sand.
30'-37' Sand, gravel, and water.
37'-38' Tight clay, gravel, no water.

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

Driller William D. Lake Address Libby, Montana

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

Date well started June 8, 1967 Date completed June 8, 1967

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6" I.D.	4½" O.D. 13.97 lbs. per foot.	0	37	none		

N
W E
S

Lot #83 - Lincoln

.....¼..... Sec..... T..... R.....

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

Static Water Level for non-flowing well .....18..... feet.

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

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

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

How Tested bailer and pump

Length of Test 1 hr.

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

.....(Continue on reverse side)

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

Show exact depth of bottom.

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

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

152
Driller's License Number

Wm D Lake
Driller's Signature

42,105

E 5888

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 28th day of
June A.D. 1967
at 9:40 A. M.
Eleanor J. Vaughn
County Clerk
By Jean Walsh
Deputy

GW 2

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

File No. ..... MONTANA WATER RESOURCES BOARD

T 31 N R 31 W Sec 29

DUPLICATE

RECEIVED

DEC 16 1967

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'-4' Sandy top soil.
4'-25' Clay gravel and boulders.
25'-68' Sand, gravel and clay.
68'-75' Clay and gravel.
75'-84' Gravel and water.

Owner: William O. Carlson & Hoyle Address: Libby Montana

Driller: William D. Lake Address: Libby, Mont.

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

Date well started: Nov. 1, 1967 Date Completed: Nov. 6, 1967

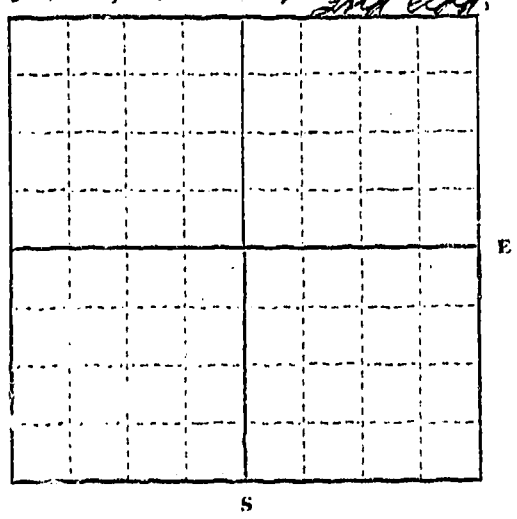
Type of well: drilled (dug, driven, bored or drilled) Equipment Used: Churn (Churn, drill, rotary or other)

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6" I.D.	6 5/8" O.D. 18.97 lbs. per foot	0	84	none		

Lot 82, Rawlings Road 2nd Add.



.....¼..... Sec..... T..... R.....
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 68 feet.

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

Pumping Water Level 73 feet at 10 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).....

Show exact depth of bottom.

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.

42,689

#617

STATE OF MONTANA
COUNTY OF LINCOLN

Filed this 21st day of
December A. D. 19 67
at 3:20 P. M.
Eleanor C. [illegible]
County Clerk
By Irene Watts
Deputy