

84567

RECORDER'S OFFICE } ss.  
Jefferson County, Montana }  
Filed for record this 1st day of Dec  
A. D. 1964 8:10 o'clock A.M.  
Wm M Dawson  
County Recorder  
Fees, \$ 2.00

Well #35 250<sup>th</sup> Rt. of Sta. 437+40, Project I-90-4(3)229

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

GW 2

T. 2 N. R. 6 W.

File No.

County Jefferson

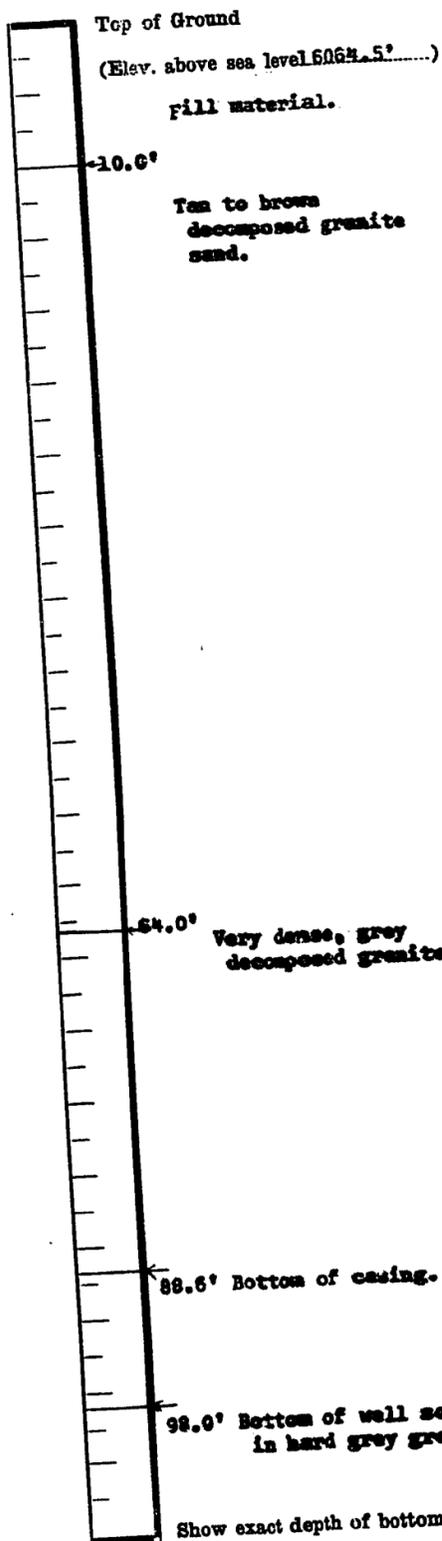
DUPLICATE

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)



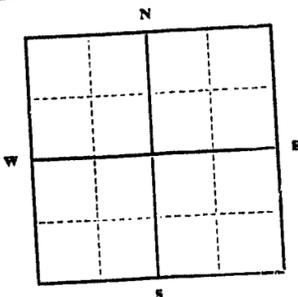
Owner: Montana Highway Commission Address: Helena, Montana  
Driller: Montana Highway Department Address: Helena, Montana  
Date of Notice of appropriation of groundwater: December 27, 1965  
Date well started: Nov. 30, 1965 Date completed: Dec. 21, 1965

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

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

**Rest Area Water Supply**  
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"	6" ID Steel, 19.68 lbs. per ft.	0.0'	88.6'	Johnson Well Screen from	88.6'	98.5'



Static Water Level for non-flowing well 16.0 feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level 88 feet at 8 gal. per minute.

Discharge in gal. per min. of flowing well None

How Tested: pumped

Length of Test: 5 1/2 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff) 10.0' slot, 10 slot, Johnson well screen.

NE 1/4 Sec. 20, T. 2 N., R. 6 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).

**WATER ANALYSIS**

pH 7.2  
CO<sub>2</sub> None  
Phenolphthalein Alkalinity 11 p.p.m.  
Methyl-Orange 78 p.p.m. CaCO<sub>3</sub>  
Total Hardness 80 p.p.m. CaCO<sub>3</sub>

None required.  
Driller's License Number

Lehman B. Fox  
Driller's Signature **Matls. Engr.**

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.

40313



File No. ....

T. 2 N. R. 6 W.

DUPLICATE

County Jefferson

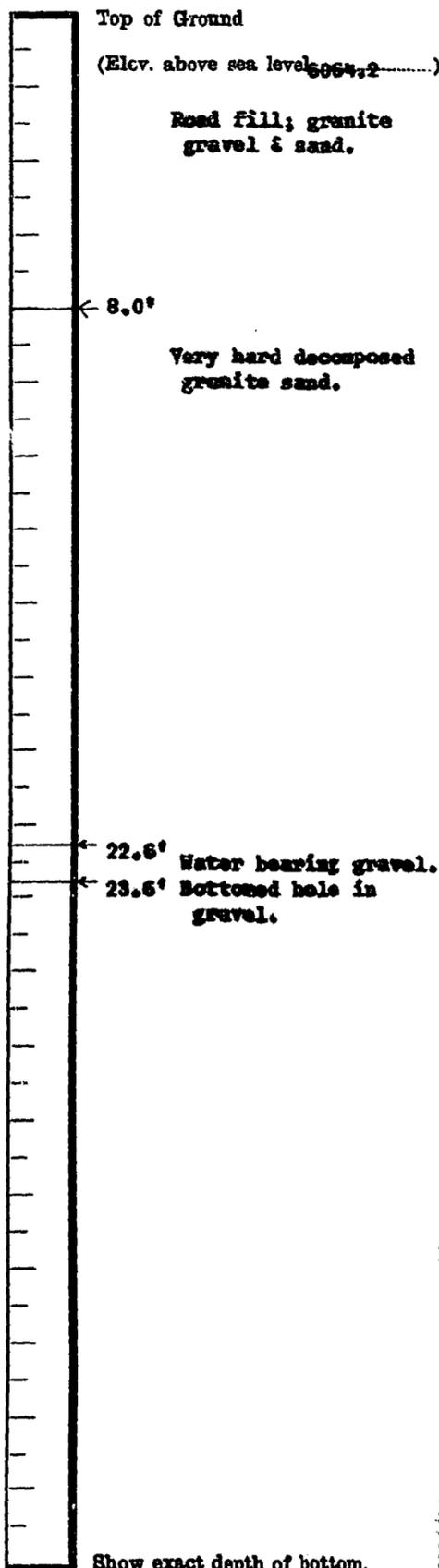
LOG

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)



Owner Montana Highway Commission Address Helena, Montana

Driller Montana Highway Dept. Address Helena, Montana

Date of Notice of appropriation of groundwater January 3, 1966

Date well started December 27, 1965 Date completed December 30, 1965

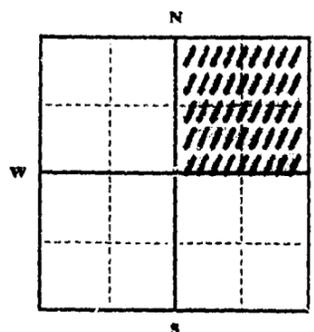
Type of well Drilled Equipment used Churn Drill  
 (Dug, Driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic  Municipal  Stock  Irrigation   
 Industrial  Drainage  Other

Basin Area Water Supply

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" ID	Steel 19.89 lbs. per ft.	0.0'	23.6'	Trench Slits	17.1'	23.6'



Static Water Level for non-flowing well  
 5.1 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 19.0 feet

at 25 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Pumped

Length of Test 3 hours

Remarks: (Gravel packing, cementing, pack-

ers, type of shutoff) well was gravel

packed, starting at 19.0 ft.

NE 1/4 Sec. 20, T. 2 N. R. 6 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 Addi-  
 tion).

WATER ANALYSIS

pH 7.1  
 CO2 None  
 Phosphorus in 8.3 p.p.m. CaCO<sub>3</sub>  
 Methyl Orange 135 p.p.m.  
 Total Hardness 110 p.p.m.

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.

None Required; State owned.

Driller's License Number

Lehman B. Fox

Driller's Signature Natls. Engr.

40728

86192

STATE WATER CONSERVATION BOARD

JAN 11 1915

RECORDERS OFFICE  
Blaine County, Montana

Filed for record this 10 day of January  
1915 at 8:05 a.m.

Alta M. Dawson

Free

File No. ....

T. 27 N. R. 10 E. 27

DUPLICATE

County...Jefferson...

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
NOV 28 1962

Notice of Completion of Groundwater Appropriation **STATE ENGINEER**  
Without Well

Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

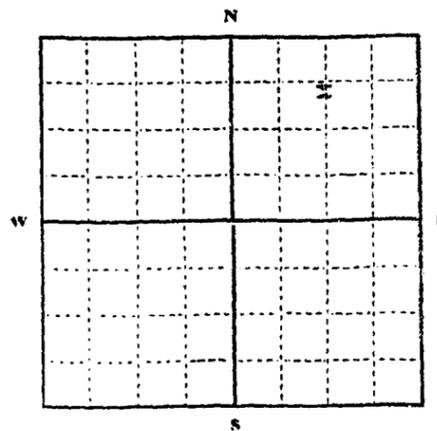
Date of Appropriation of Groundwater.....1936.....

Owner...U.S. Government.....Address...Mittell, Montana.....

Contractor (if any).....None.....

Address of Contractor.....Not applicable.....

Date Started.....1936.....Date Completed.....1936.....



1/4 Sec. 27 T. 27 N. R. 10 E.

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

1) Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.).....developed spring.....

2) Means of withdrawing water (gravity, pump, canal, etc.).....

3) Depth of water table.....surface.....

4) Use of the water.....stock water.....

5) Amount of groundwater claimed (in miner's inches, or gallons per minute).....gallon per minute.....

6) If used for irrigation, give number of acres and description of land.....not applicable.....

7) Estimate amount of water used each year.....25,000 gallons.....

Signature of Owner.....John A. Murray.....

Acting District Ranger

Date.....11/23/62.....

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

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

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

#52 State of Montana Spring

3879

84575

RECORDER'S OFFICE }  
Jefferson County, Montana } SE.  
Filed for record this 1st day of Dec  
A. D. 1904 809 o'clock A. M.  
Alta M. Dawson  
County Recorder  
Fees, \$ 2.00

File No. ....

T. 2. R. 34

DUPLICATE

County. Jefferson

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

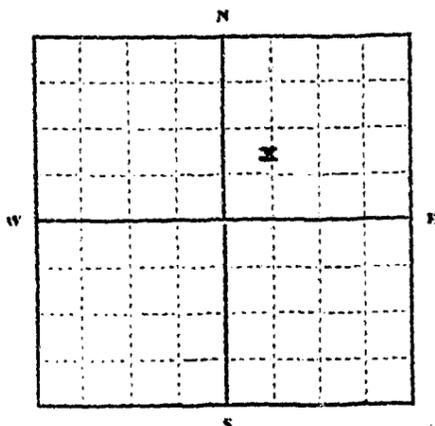


Notice of Completion of Groundwater Appropriation Without Well

Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater..... 1936  
 Owner..... Government..... Address..... Butchell, Montana  
 Contractor (if any)..... None  
 Address of Contractor..... Not applicable  
 Date Started..... 1936..... Date Completed..... 1936



1/4 Sec. 27 T. 2. R. 34 W.  
 Indicate point of appropriation and place of use, if possible.

- 1) Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.)..... developed spring
- 2) Means of withdrawing water (gravity, pump, canal, etc.)..... gravity
- 3) Depth of water table..... surface
- 4) Use of the water..... stock water
- 5) Amount of groundwater claimed (in miner's inches, or gallons per minute)..... 1/2 gallon per minute
- 6) If used for irrigation, give number of acres and description of land..... not applicable
- 7) Estimate amount of water used each year..... 10,000 gallons

Signature of Owner..... John J. Blaney  
 Acting District Engineer  
 Date..... 12/25/64

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

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

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

250 1012 Canyon Spring

84576

RECORDER'S OFFICE }  
Jefferson County, Montana }  
Filed for record this 1st day of Dec.  
A. D. 1964 8:10 o'clock A. M.  
Arthur M. Dawson  
County Clerk  
Fee, \$ 2.00

File No. ....

T. 2. N. R. 34

DUPLICATE

County... Jefferson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER



**Notice of Completion of Groundwater Appropriation  
Without Well**

Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

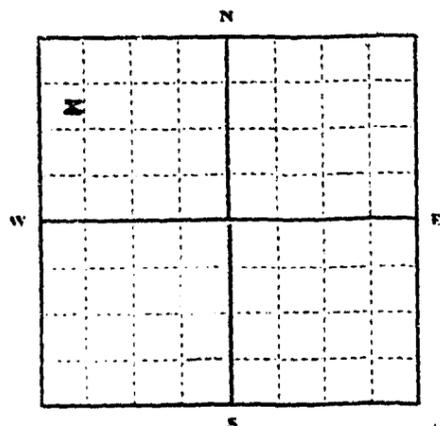
Date of Appropriation of Groundwater..... 1936

Owner... Government Address... Mitchell, Montana

Contractor (if any).... none

Address of Contractor... not applicable

Date Started ..... 1936 Date Completed..... 1936



12 1/4 Sec. 24 T. 2. N. R. 34  
Indicate point of appropriation  
and place of use, if possible.

1) Describe means of obtaining groundwater (as by sub-irrigation,  
developed spring, drains, etc.)... developed spring

2) Means of withdrawing water (gravity, pump, canal, etc.).....

gravity

3) Depth of water table... surface

4) Use of the water... stock water

5) Amount of groundwater claimed (in miner's inches, or gallons  
per minute).... 1/2 gallon per minute

6) If used for irrigation, give number of acres and description of  
land... not applicable

7) Estimate amount of water used each year... 77,000 gallons

Signature of Owner... John S. McVary

Acting District Engineer

Date... 11/3/61

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

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

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

File name: 51.0

56721

84577

RECORDER'S OFFICE }  
Jefferson County, Montana }

Filed for record this 1st day of Dec

A. D. 1964 8th o'clock P.

Alta M. Dawson  
County Recorder

2.00



GW 3

File No. ....

DUPLICATE

T <sup>20</sup> R <sup>5W</sup> <sup>4</sup>

County

RECEIVED  
JAN 3 1964

STATE ENGINEER

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Notice of Completion of Groundwater Appropriation Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater July 1, 1940

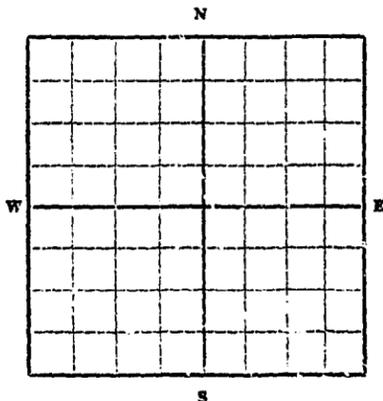
Owner Richard H. Caldwell Address Whitehall, Montana

Contractor (if any) .....

Address of Contractor .....

Date Started 7/1/40 Date Completed 7/1/40

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Reservoir #7, from which there is a ditch 18" wide by 18" deep which carries and conducts 80 Miners Inches of Water from said Reservoir #7.



..... 1/4 ..... Sec. .... T. .... R. ....

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

NOTE: Appropriation of Property is described in Homestead Entry Survey No. 1208, located in Sec. 32, T. 3N., R5W & Sec. 33, T. 3N., R5W & Sec. 4 T. 2N., R5W.

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

Reservoir #7, continuous from July 1, 1940 to date; and 80 Miners Inches therefrom continuous, as aforesaid.

Signature of Owner Richard Caldwell

Date December 31, 1963

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

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

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

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

For specific reference, see: Amended Notice of Appropriation and Notice of Water Right, Docket #59367, Recorded in Book 5, Page 37, of Water Right, Jefferson County, Montana, under date of March 1, 1945.

Signature of Owner: Richard Caldwell

Date: December 31, 1963

1964

83389

RECORDER'S OFFICE }  
Jefferson County, Montana } ss.  
Filed for record this 2 day of Jan.  
A. D. 1944 at 9:15 o'clock A. M.  
W. M. Hanson  
County Recorder  
Fees, \$ 2.00

RECEIVED

2115W

19

3 GW 3 Revised 1969  
2057-1500-1/71

County Jefferson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

Developed After January 1, 1952

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

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

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

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

For Administrator's Use	
File	<u>98844</u>
	<u>June 25, 1973</u>
GW 1	<u>1:15 p.m.</u>

Owner Lyle E. Burgett  
 Address Rural Route 1, Box 46C, Whitehall, Mont.  
 Contractor (if any) Self  
 Address of Contractor \_\_\_\_\_  
 Date Started 6/21/73 Date Completed 6/24/1973

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) developed springs

2. Means of withdrawing water (gravity, pump, canal, etc.) pumps

3. Depth of water table Five Feet

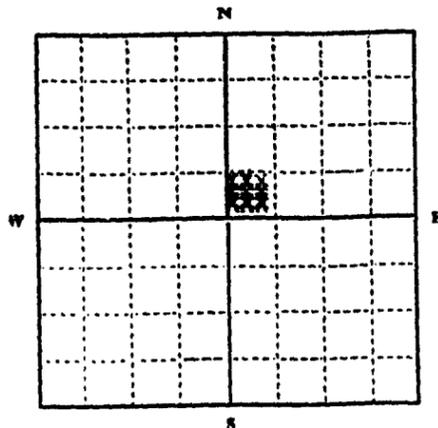
4. Use of the water Irrigation, watering stock

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 600 gals. per minute

6. if used for irrigation, give number of acres and description of land 76 acres, bench

7. Estimate amount of water used each year One-fourth million gallons

8. Months of year spring flows 12



SW 1/4 NE 1/4 Sec. 19  
 T. Two N R. Five E  
 (S) (W)

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.  
 Elevation of spring, if known or estimated 4800 altitude

Signature of Owner Lyle E. Burgett

Date June 25 1973

53,843

98844

RECORDER'S OFFICE }  
Jefferson County, Montana } ss.  
Filed for record this 25 day of June  
A. D. 1973 at 1:15 o'clock P.M.  
James P. McFarlane  
County Recorder  
Fees, \$ 2.00  
By Carla A. Matlock, dep

File No. ....

T. 2N R. 5W

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

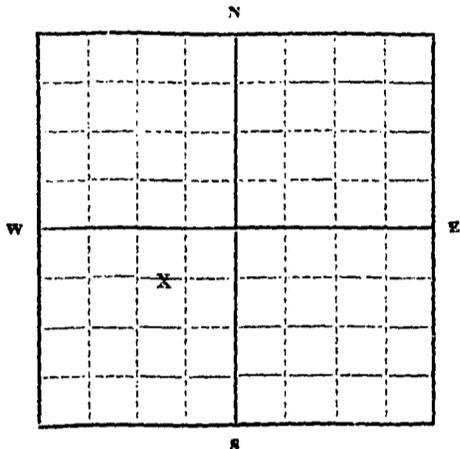
County Jefferson  
**RECEIVED**  
JAN 3 1964

STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. ERNEST W. TEBAY of Whitehall  
(Name of Appropriator) (Address) (Town)  
County of Jefferson State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 19 T. 2N R. 5W

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 Stockwater
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been Used continuously since 1900
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not applicable
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Natural Flow

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater About 1900
- 8. The depth of water table Unknown - spring rises to surface
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater No works - natural spring
- 10. The estimated amount of groundwater withdrawn each year 1,000,000 gallons
- 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 Ernest W. Tebay  
Date December 27, 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.

19442

83189

RECORDER'S OFFICE } ss.  
Harrison County, Montana }  
Filed for record this 30 day of Dec  
1963 11:57 o'clock A. M.  
W. M. Dawson  
County Clerk  
Fees, \$ 2.00



96525

RECORDER'S OFFICE } ss.  
Jefferson County, Montana }  
Filed for record this 28 day of June  
A.D. 1922 at 2:20 o'clock P.M.  
Jeanne P. McFarlane  
County Recorder  
CAP. 200

By Charles A. Matlack, dep



98840

RECORDER'S OFFICE  
Jefferson County, Montana

Filed for record this 15 day of June  
A. D. 1923 at 10 o'clock A.M.  
James P. McSulon  
County Recorder

Fees, \$ 2.00  
By Carla Q. Matlock, Dep



Location T. 2N R. 5W Sec. 20 Butte, MT  
 Doc. No. \_\_\_\_\_

Groundwater  
 Sam W. Mitchell Consulting  
 Helena, Montana 59601

As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

Special Instructions:

Please provide the county filing information for the attached form, where indicated in red.

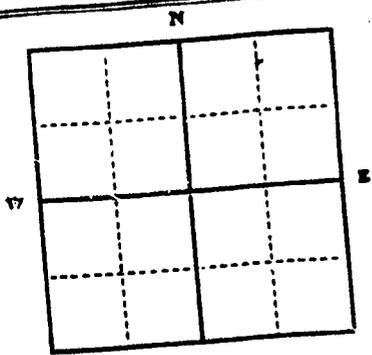
Thank you.

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"	6 5/8" od x .250	+1'	35'	cutting torch	30'	35'



Static water level 18' ft.\*  
 Pumping water level 30' ft.\*  
 at 12 gallons per minute,  
 measured \_\_\_\_\_ minutes after pumping began.  
 \*Measured from ground level.  
 Well developed by test pump  
 for 3 hours.  
 Power \_\_\_\_\_ Pump 2 HP  
 Remarks: (Gravel packing, cementing, packers, type of shutoff) \_\_\_\_\_

Butte, MT Sec. 20  
 T. 2N R. 5W (W)

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

Driller's Signature Joe Keefe  
 Driller's Address Keefe Contracting Company  
2804 Harvard Ave.  
Butte, Montana 59701 LICENSE NO. 8

35' Show exact depth of bottom

50,944



96620

RECORDED & INDEXED }  
Nelson County, Montana } ss.  
Filed for record this 17 day of July  
1972 at 10:30 o'clock A.M.  
Joanne P. McFarlane  
County Recorder  
Fees, \$ 2.00



98740

RECORDED & INDEXED } ss.  
Blaine County, Montana }  
Filed for record this 8 day of June  
A. D. 1923 at 1:30 o'clock P. M.  
Joanna O. McFarlane  
County Recorder

By Carl O. Matlock  
Deputy

File No. ....

T. 211 R. 211

DUPLICATE

County Jefferson

LOG MONTANA WATER RESOURCES BOARD STATE OF MONTANA  
**RECEIVED** ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level) JUL 3 1969

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

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)



0-3 top soil

3-33 tan sandy clay

33-63 (some water) grey sandy little caly

63-65 tan heaving sand

65-73 grey clay

73-80 grey sand

80-89 grey shale water

Owner Jack McCarthy Address Butte, Montana

Driller Keefe Drilling Co. Address Butte, Montana

Date of Notice of appropriation of groundwater June 23, 1969

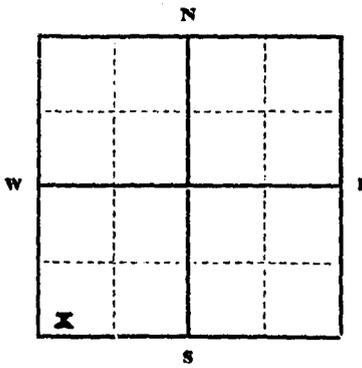
Date well started June 13, 1969 Date completed June 19, 1969

Type of well drilled Equipment used churn drill  
(Dug, Driven, 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"	6" I.D. 17 lb.	0	81	cutting torch	75	80



Static Water Level for non-flowing well 26 feet.

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

Pumping Water Level 50 feet at 15 gal. per minute.

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

How Tested bailer

Length of Test 3 hours

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

SW 1/4 Sec 27 T 2 N R 5 W  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

SW 1/4 of Sec 27, T. 2 N. R. 5 W.

(Continue on reverse side)

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

Domestic and irrigation for 5 acres

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.

**BIGHT** Driller's License Number

Ernest Keefe  
Driller's Signature

45400

91360

**FILED**

JUL 2 - 1959

**ALTA M. DAWSON**  
COUNTY CLERK AND RECORDER

RECORDER'S OFFICE }  
Jefferson County, Montana }

Filed for record this 2 day of July  
A. D. 1959 at 9:30 clock PM M.

Alta M. Dawson  
County Recorder

Fee, \$ 2.00

GW 2

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

T. 2N R. 5W

File No. ....

County Jefferson

DUPLICATE

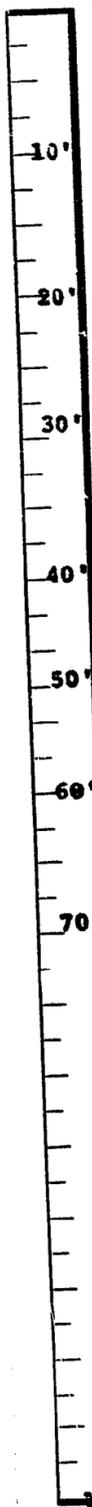
LOG

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'-20' sandy clay

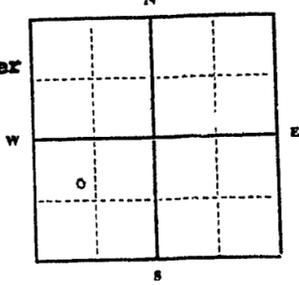
20'-35' yellow clay  
little sand

35'-68' brown clay  
68'-70' gravel, sand water

Owner Mr. Joe Strassi Address Whitehall, Montana  
Driller Keefe Drilling Co. Address Butte, Montana  
Date of Notice of appropriation of groundwater June 3, 1968  
Date well started May 15, 1968 Date completed May 16, 1968  
Type of well drilled Equipment used churn drill  
(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"	6 5/8" od	0'	70'	cutting torch	65'	70'



1/4 Sec. 17, T. 2, R. 5  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 40' feet.  
Shut-in Pressure for Flowing Well.....  
Pumping Water Level 48' feet  
at 20 gal. per minute.  
Discharge in gal. per min. of flowing well .....

How Tested bailer  
Length of Test 4 hrs  
Remarks: (Gravel packing, cementing, packers, type of shutoff).....

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

Show exact depth of bottom.

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

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

Driller's License Number  
Edward O Keefe  
Driller's Signature.

44214

89386

RECORDER'S OFFICE }  
Jefferson County, Montana } ss.  
Filed for record this 11th day of June  
A. D. 1968 at 8:10 o'clock P. M.  
Alta M. Dawson  
County Recorder  
Fee, \$2.00 By Joann P. McFarlane

File No. ....

T 2 N R 5 W

DUPLICATE

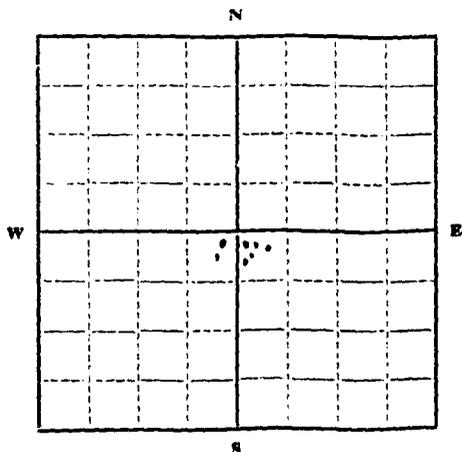
County Jefferson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 3 1963

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

1. John C. Alley of Pipestone Hot Springs, Whitehall, Montana  
(Name of Appropriator) (Address) (Town)  
County of Jefferson State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



..... 1/4 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 hot mineral springs used for health and recreational purposes, also for heating, and some irrigation.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Prior to 1900. Has been used continuously.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Approximately 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 Used to irrigate some garden land, approximately 20 acres, located in NW 1/4 of SE 1/4 Sec. 28, T2N, R5W.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal These are all flowing wells. Some of these hot springs are dug out, cased in, and covered. Water so controlled is fed into the tile liner to carry to place of use.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Many of these hot springs were in use prior to the year 1900. All were developed and in use by 1910.

8. The depth of water table Surface. Flowing springs.

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 Flowing hot mineral springs.

10. The estimated amount of groundwater withdrawn each year 105,120,000 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 Reference is made to the reservation of hot water developed at Pipestone Hot Springs in the adjudication of the waters of Pipestone Creek, May 2, 1914, in Allred et al vs. Rodoni et al #1870, Jefferson County.

Signature of Owner John C. Alley

Date Ca. 29, 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.

82987

RECORDER'S OFFICE }  
Jefferson County, Montana }

Filed for record this 2 day of December

A. D. 1963 at 9:01 o'clock A. M.

*[Signature]*  
County Recorder

Fees, \$ 2.00

2. In addition there are numerous seeps and pools of hot water throughout this same area.
3. These waters have been, and are still being used for irrigation, for health purposes, and for heating. Their use for these purposes extend back through the year and prior to 1900.
4. Attention is called to the judicial action (Allred vs Radoni, 1914) wherein the waters of Pipestone Creek were adjudicated. Specific mention is made of the hot water springs arising on this land, and reserving said waters to that land, and setting these waters apart from the natural flow water of Pipestone Creek.

MEMORANDUM

Re: Pipestone Hot Springs Hot Water Springs and Hot Water Wells

1. There are seven (7) flowing hot water springs located at Pipestone Hot Springs. They are on land more particularly described as the NW $\frac{1}{4}$  of the SE $\frac{1}{4}$  of Section 28, Township 2 North, Range 5 West, and the NE $\frac{1}{4}$  of the SW $\frac{1}{4}$  of Section 28, Township 2 North, Range 5 West, Jefferson County, Montana.
2. In addition there are numerous seeps and pools of hot water throughout this same area.
3. These waters have been, and are still being used for irrigation, for health purposes, and for heating. Their use for these purposes extend back through the year and prior to 1900.
4. Attention is called to the judicial action (Allred vs Radoni, 1914) wherein the waters of Pipestone Creek were adjudicated. Specific mention is made of the hot water springs arising on this land, and reserving said waters to that land, and setting these waters apart from the natural flow water of Pipestone Creek.

File No. ....

T. 2 N R. 5 W

DUPLICATE

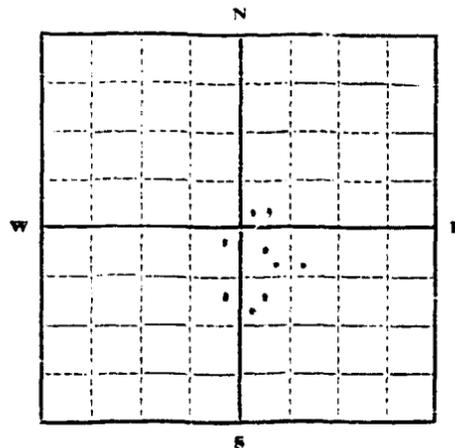
County Jefferson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 3 1963

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

1. John C. Alley of Pipestone Hot Springs, Whitehall  
(Name of Appropriator) (Address) (Town)  
County of Jefferson State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 28, T. 2 N, R. 5 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 Water developed in these wells is used for domestic and commercial water supply.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been All wells were in use prior to 1925. Several of them were in use prior to 1910. Most of them have been used continuously.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) Approximately 9.96 gals. per minute.  
3 jet pumps - Total capacity 45 gals. per min.  
6 hand pumps - Total Capacity 10 gals. per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None of the water developed is used for irrigation.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Jet pumps and hand pumps. Nine wells are located in the SW 1/4 of the NE 1/4, the NE 1/4 of SE 1/4, and the NE 1/4 of the SW 1/4, all in Sec. 28, T. 2 N, R. 5 W, Jefferson County, Montana.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater All wells were completed prior to 1925.
8. The depth of water table Approximately forty feet at main wells.
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 and cased. Six and eight inch casing. Wells vary in depth from 120' to 55'.
10. The estimated amount of groundwater withdrawn each year 514,000 gals. per year (approximate)
11. The log of formations encountered in the drilling of each well if available No logs of wells 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

Signature of Owner John C. Alley  
Date Oct 29, 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.

82988

RECORDER'S OFFICE }  
Jefferson County, Montana } ss.

Filed for record this 2 day of December

A. D. 1963 at 902 o'clock A. M.

Alta M. Johnson  
County Clerk

Fees, \$ 2.00

MEMORANDUM

Re: Pipestone Hot Springs Cold Water Drilled Wells

1. There are nine (9) drilled and cased cold water wells at Pipestone Hot Springs located at various points in the SW $\frac{1}{4}$  of the NE $\frac{1}{4}$ , the NW $\frac{1}{4}$  of the SE $\frac{1}{4}$ , and the NE $\frac{1}{4}$  of the SW $\frac{1}{4}$ , all in Section 28, Township 2 N, Range 5 West, Jefferson County, Montana.
2. These wells are used for private and commercial water supply purposes.
3. There are two main wells supplying water to the Pipestone Hot Springs resort. They were drilled to a depth of 120 feet. The water level is approximately 40 feet from the top. Another main well is at the Club House. It is drilled to a depth of 100 feet. The water is approximately 40 feet from the top. The other wells vary in depth, and in the water level. Some of the wells are used heavily. Others are used only infrequently.

File No.....

T. 2N R. 5W

DUPLICATE

County Jefferson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

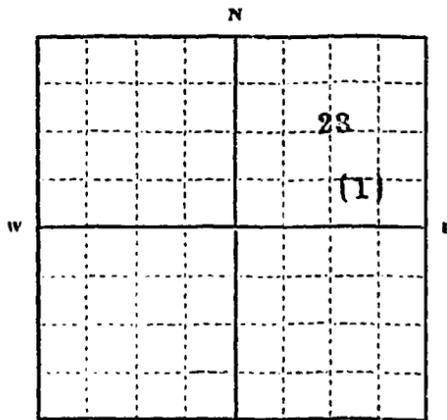
JAN 3 1964

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. PHILLIP KOUNTZ, of Whitehall  
(Name of Appropriator) (Address) (Town)  
County of Jefferson State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



28  
Sec. 33 T. 2N R. 5W

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. Stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. All three springs have been used continuously since 1875

4. The amount of groundwater claimed (in miner's inches or gallons per minute) (1) 20 inches; (2) 20 inches; (3) 5 inches

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. All springs are natural flow

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Springs have been developed variously since 1875 to date.

8. The depth of water table. Springs all rise to surface

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. (1) Dug out, 1 1/2 inch pipe 20 ft. long to 300 gallon capacity stockwater tank; (2) Dug out, ditched and piped to corral; (3) Dug out, ditched, 4 inch pipe 40 ft. long to metal stock water trough.

10. The estimated amount of groundwater withdrawn each year. 2,000,000 gallons

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

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

Signature of Owner Phillip Kountz

Date December 28, 1963

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

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

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

19481

83241

RECORDER'S OFFICE }  
Jefferson County, Montana } ss.  
Filed for record this 31 day of Dec  
A. D. 1963 at 948 o'clock A. M.  
County Recorder  
Fee, \$ 2.00

Form No. ....

T...2N...E...5W.....

XXXXXXXX DPLICATE

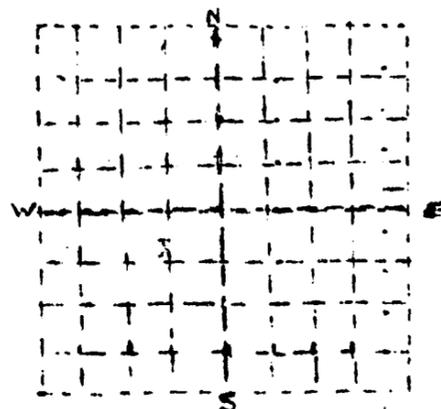
County. Jefferson

STATE OF MONTANA, JAN 3 1964

ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

1. KEMPTON B. MCKEN....., of.....Whitehall.....  
(Name of Appropriator) (Address) (Town)  
County of Jefferson.....State of Montana.....  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N 1/4 Sec. 28 T2N R5W

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

2. The beneficial use on which the claim is based. Domestic and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. No. 1 Well since August 1948; No. 2 Well since October, 1960
4. The amount of groundwater claimed (in miner's inches or gallons per minute) No. 1 - 7 gallons per minute; No. 2 - 10 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. Used for irrigation of 1.5 acre yard area adjacent to well and dwelling.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Deep vertical wells
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. No. 1 - August 1948; No. 2 - October, 1960
8. The depth of water table. 46 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. No. 1 - 4 inch casing to 200 feet depth with electric deep well jet pump; No. 2 - 7 inch casing to 227 ft. depth with electric jet pump
10. The estimated amount of groundwater withdrawn each year. 220,000 gallons
11. The log of formations encountered in the drilling of each well if available. clay to 20 feet, decomposed granite to bottom of 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.

Signature of [Handwritten Signature]

Date. December 27, 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 Montana Bureau of Mines & Geology, and Quadruplicate for the Appropriator. 19502

83270

RECORDER'S OFFICE }  
Jefferson County, Montana }  
Filed for record this 31 day of Dec  
1923 at 10:23 o'clock A.M.  
A. H. Dawson  
County Recorder  
Fee, \$ 2.00



82989

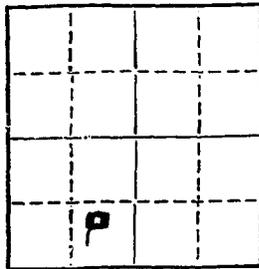
RECORDER'S OFFICE }  
Jefferson County, Montana } ss.  
Filed for record this 2 day of December  
A.D. 1943 at 903 o'clock A.M.  
Alto M. Johnson  
Fee, \$ 2.00

T. 2 R. 5 S. 4  
County: Hill

32/1

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG



Owner: John ... Address: ...  
Driller: ... Address: ...  
Date Started: October 1956 Date Completed: Oct 1956  
Location: Sec. 22 T. 2 R. 5 1/4 sec. South - West

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

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other: .....

Casing: ... ft. to ... ft. Type: ... Size: ...  
Casing: 150 drainage pipe ft. to ... ft. Type: ... Size: 2 1/2 inch  
Casing: ... ft. to ... ft. Type: ... Size: ...

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

Type of screen or perforations: .....

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

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

Pumping water level: ... feet at 17 g.p.m. gal. per min.

How tested: .....

Length of test: .....

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

7x7 1/2 inch ...

(over)



T. 2 R. 5 East

County Jefferson

32

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

## WATER WELL LOG

P		

Owner: John or Anita Koffler Address: Whitehall, Montana

Driller: Self Address: "

Date Started: October 1956 Date Completed: Oct 1956

Location: Sec. 32 T. 2 R. 5 1/4 sec. South-East

Type of well: dug (Dig, driven, bored, or drilled) Equipment used: Power shovel (Churn drill, rotary, other)

Water use: Domestic  Municipal  Stock  Irrigation Industrial  Drainage  Other: .....

Casing: ..... ft. to ..... ft. Type: ..... Size: .....

Casing: 150 drainage pipe ft. to ..... ft. Type: steel Size: two inch

Casing: ..... ft. to ..... ft. Type: ..... Size: .....

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

Type of screen or perforations: .....

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

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

Pumping water level: ..... feet at 17 gal. per minute

How tested: .....

Length of test: .....

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

7x7x5' cement block constructed storage tank with gravel packing.

(over)

T. 2 R. 5

County Jefferson

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner John and or Anita Roffley Address Whitehall

Driller W. Mickels Address Whitehall

Date Started Nov. 9th Date Completed Nov. 1958

Location: Sec. 32 T. 2 R. 5 1/4 sec. South East

Type of well Dig (Dug, driven, bored, or drilled) Equipment used Power Digger (Crown 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. 48ft to ft. Ft. to ft.

Type of screen or perforations Plastic

Static water level, for non-flowing well: feet

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

Pumping water level: feet at three gal. per minute

How tested:

Length of test:

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

Gravel packing--four feet of screen pack for shut-off into a  
underground steel pipe drain off.

(over)

File No. ....

T. .... 2N ..... R. .... 5W

XXXXXXXXX DUPLICATE

County. .... Jefferson

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1964

ENGINEER

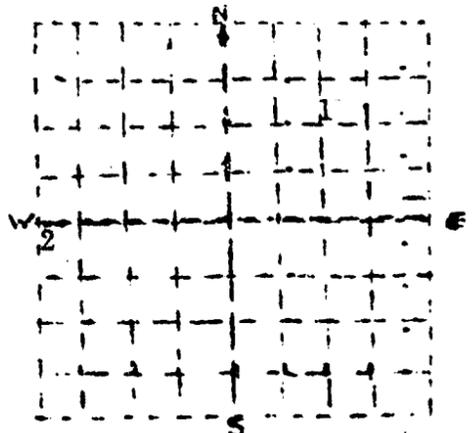
DECLARATION OF VESTED GROUNDWATER RIGHTS  
(Under Chapter 237, Montana Session Laws, 1961)

PHILLIP KOUNTZ

Whitehall

1. ...., of .....  
(Name of Appropriator) (Address) (Town)

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



..... 1/4 ..... 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. (1) Domestic & Irrigation ..... (2) Stockwater .....
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. (1) 1947 ..... (2) 1951 both used continuously .....
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). (1) 15 gallons per minute ..... (2) 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 of the land used for irrigation of 1/2 yard and shrubs adjacent to dwelling .....

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

7. The date of commencement and completion of the construction of the well, wells, that work for withdrawal of groundwater. No. 1 - MAY, 1947; No. 2 - September, 1951 .....

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 casing or pipe for the withdrawal of groundwater. No. 2 - 6" steel casing to depth of 76 feet with electric jet pump .....

10. The estimated amount of groundwater withdrawn each year. No. 1 - 400,000 gallons; No. 2 - 300,000 gallons .....

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 Phillip Kountz

Date December 28, 1963

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

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

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

19480

83240

RECORDER'S OFFICE }  
Jefferson County, Montana }

Filed for record this 31 day of Dec.

A. D. 1923 947 o'clock A. M.

Alta M. Dawson  
County Recorder

Fee, \$ 2.00

File No. ....

T2 North R 5 West

DUPLICATE

County Jefferson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

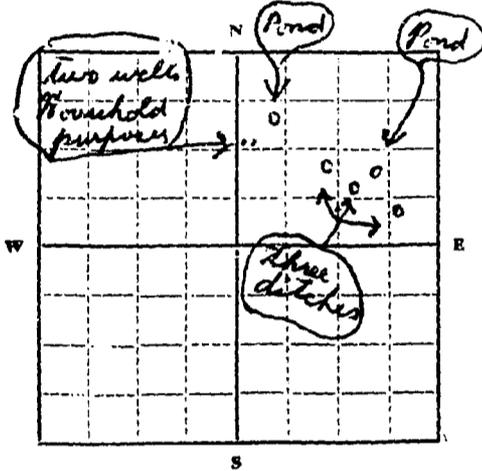
RECEIVED  
MAR 22 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Albert C. Leduc and Denise M. Leduc of Route one Whitehall  
(Name of Appropriator) (Address) (Town)  
County of Jefferson 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 irrigation, subirrigation, household uses, livestock,

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Homeesteaded 1862 some in use then, others developed later dates unknown to us

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Never recorded

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. Approximately 40 acres subirrigated pastures and lands. Albert C. Leduc and Denise M. Leduc owners

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump for household uses, sprinkler irrigating pump for irrigating purposes, also used through subirrigation

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Unknown to us. The N.E. 1/4 was homesteaded 1862 some was in use then others developed later

8. The depth of water table. Two wells 21 feet others 18 to 6 inches

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. One drilled well 4 inches 21 feet deep. One drilled well (drilled with post hole auger) 18 inches 21 feet deep. A cluster of springs drained into three ditches 3 feet wide 2 to 3 feet deep.

10. The estimated amount of groundwater withdrawn each 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.

Signature of Owner Albert C. Leduc  
Denise M. Leduc  
Date March 14, 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.

4000

82140

RECORDER'S OFFICE }  
Jefferson County, Montana } ss.  
Filed for record this 21 day of March  
A. D. 1923 at 8:45 o'clock A. M.  
Alto M. Dawson  
County Recorder  
Fees \$ 1.00  
pd.





83154

RECORDER'S OFFICE }  
Jefferson County, Montana } 89.

Filed for record this 27 day of Dec

A. D. 1963 at 11:45 o'clock A. M.

Alta M. Dawson  
County Recorder

Fees, \$ 2.00

File No. ....

T 2 N. R 4 W.

DUPLICATE

County Jefferson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Notice of Completion of Groundwater Appropriation  
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 11-18-68

Bureau:

Owner of Land Management Address Dillon, Montana

Contractor (if any) None

Address of Contractor None

Date Started..... Date Completed.....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to

water when applicable. Excavated seepage area.

Cement catchment basin, with the water piped through

150' of 1 1/2" plastic pipe to a steel stockwater

tank.

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

estimate approximate lengths of periods of use. 3/4 gallon

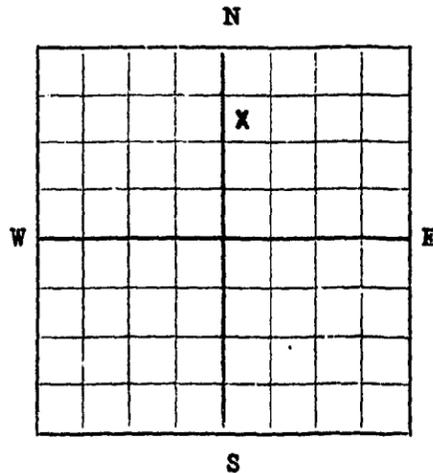
per minute. Can and watch used to measure flow.

Livestock use - May 1 - December 1

Game - yearlong

Signature of Owner Robert T. DeLoe Acting District  
Manager

Date 11/18/68



NW 1/4 NE Sec. 25 T2N. R4W.

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

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

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

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

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

90635

RECORDER'S OFFICE } ss.  
Jefferson County, Montana }  
Filed for record this 19 day of November  
A. D. 1908 at 4:10 o'clock P.M.  
Alta M. Dawson  
County Recorder  
Fees, \$ 2.00



98857

RECORDER'S OFFICE } ss.  
Jefferson County, Montana }  
Filed for record this 22 day of June  
A.D. 1923 at 1:00 o'clock P.M.  
James O. McFarlane  
County Recorder  
Fees, \$2.00

By Carla O. Matlock  
deputy

File No.....

T.....2N..R.....4W.....

~~XXXXXXXX~~ DUPLICATE

County.....Jefferson.....

JAN 3 1964

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE STATE ENGINEER

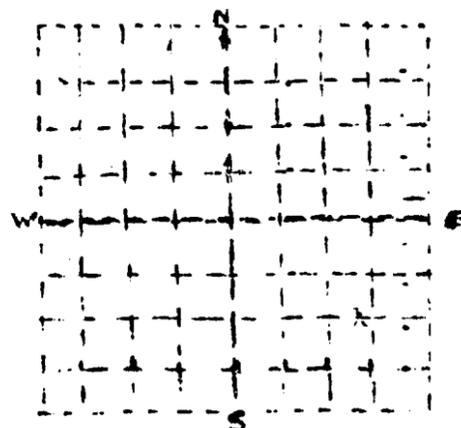
OFFICE OF STATE ENGINEER

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

I.....HAL P. JOHNS....., of.....Whitetail.....  
(Name of Appropriator) (Address) (Town)

County of .....Jefferson.....State of.....Montana.....

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



..SW 1/4.....Sec...28T...2R...4W

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...stockwater...&...irrigation.....

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

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...Used for irrigation of approximately 1/2 acre yard adjacent to dwelling.....

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater...Sometime in 1942.....

8. The depth of water table....6 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.....Steel 3 inch casing to a vertical depth of 39 feet...Electric jet pump.....

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...Gravel and sand to 12 feet; clay to 21 feet; gravel thereafter.....

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 Hal P. Johns...

Date December 30, 1963.....

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

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

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

19492

83260

RECORDER'S OFFICE }  
Jefferson County, Montana } ss.

Filed for record this 31 day of Dec  
2013 at 10:13 o'clock A. M.

Alvin M. Dawson  
County Recorder

Fee, \$ 2.00