

upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates not in excess of 40 to 50 percent of the tested capacity of the aquifer.

14 691

STATE OF LOUISIANA 89
COUNTY OF PLATTEHEAD

Filed on the 15 day of May
A.D. 1973 at 9:56 o'clock P.M.

2017
County Clerk and Notary

By *[Signature]*

F No.

DUPLICATE

T 21 N R 2 W

County, Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

MAR 18 1964

Notice of Completion of Groundwater
Appropriation by Means of Well ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

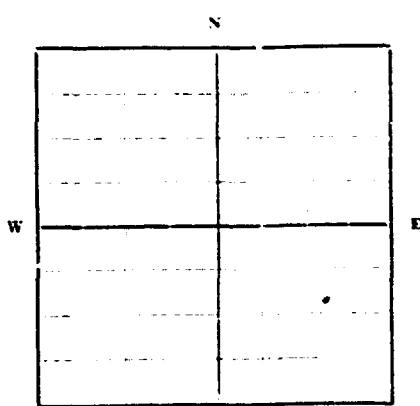
Top of Ground
(Elev. above sea level)

0 to 23 ft Sandy silt
23 to 38 ft silt with
some gravel.
38 to 62 ft silt
62 to 95 ft sandy silt.
95 to 159 Gray hard pan.
159 to 166 Brown clay
166 to 167 water -
bearing gravel
and sand.
Total depth 167'

Owner Herb Hansen Address Kalispell Mont.
Driller Olsen & Gustafson Address Columbia Falls
Date of Notice of Appropriation of Groundwater none filed
Date well started Feb 16 - 64 Date Completed Feb 21 - 64
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)
7"	7" O.D. 23 lbs per ft.	0	167	none		



S 2 5 4
14 Sec. 35 T 29 R 2 W

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

Show exact depth of bottom.

Static Water Level for non-flowing Well 90 feet.
Shut-in Pressure for Flowing Well non-flowing
Pumping Water Level 104 feet at 15 gal. per minute.
Discharge in gal. per min. of flowing well non-flowing
How Tested Bailers 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)

Driller's License Number

Olsen & Gustafson
George X Gustafson
Driller's Signature

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

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

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

35476

11337

FOR THE RECORD
RECORDED
INDEXED
FILED
JUN 6 1964
FBI - CHICAGO
226M
M.T.

11927

... .. SS
... ..
... on the 19 day of Nov
A. D. 1905 at 2¹⁵ o'clock P. M.
S. B. M.
... Clerk and Secretary

File No.

GW 2

T. R. 35

County Huthead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
1964 SEP 13

Top of Ground

(Elev. above sea level 2980)

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner David L. Olson Address Rt 4 KalispellDriller Homer McClarty Address 945-8 Ave N

Date of Notice of Appropriation of Groundwater

Date well started Aug 24/64 Date Completed Sept 3/64

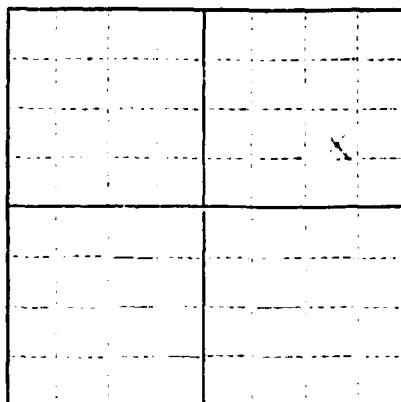
Type of well Drilled Equipment Used W/Bucyrus Erie
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7" O.D.			223'			

Gravel
&
Cobbles
72 ft
quick
sand
115 ft
pack sand
190 ft
silty
sand
215 ft
Coarse
sand
220 ft



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

223 ft sand & gravel
Show exact depth of bottom.

Static Water Level for non-flowing Well... 63 feet.

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

Pumping Water Level... 63 feet at 20 gal. per minute.

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

How Tested Riser Length of Test 4 hrs

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

Driller's License Number

Driller's Signature

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

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

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

28761

11,599

29 Jan
65 11:35
SEM
m. J.

File No.

DUPLICATE

T. 29 R. 2

County: Flathead

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)

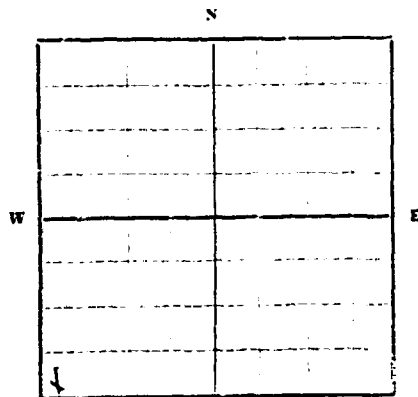
Owner Bob Roberts Address Whitefish Mont.Driller Oliver J. Justin Address Col. Hill Mont.Date of Notice of Appropriation of Groundwater none filed.Date well started May 19-70 Date Completed May 22-70Type of well Drilled Equipment Used Churn
(dug, driven, bored or drilled) (Churn, drill, rotary or other)Water 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.

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

0 to 4 ft Top soil
and silt.
4 to 32 ft
Hard pan.
32 to 115 ft
Sandy silt
115 to 132 ft
Silt with
trace of gravel
132 to 166
Sandy silt
166 to 180 ft
Hard pan.
180 to 181 ft
Waterbearing
gravel & sand.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 3/8" 18	7" O.D. 23 lb.	0	181	none		



Sec. 14, T. 29, R. 20, S. 14

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 72 feet.Shut-in Pressure for Flowing Well non-flowingPumping Water Level 84 feet at 20 gal. per minute.Discharge in gal. per min. of flowing well non-flowingHow Tested Driller Length of Test 3 hrs.

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

Doc. No. 14160

Filed for record

on 15 day of JuneA. D. 1970, at 2:30o'clock pmDriller's License Number 1055Driller's Signature Oliver J. Justin

Driller's Signature

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

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

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

47278

814,160

STATE OF MONTANA / SS
COUNTY OF FLATHEAD / SS

Filed on the 15th day of June
A. D. 1970 at 2:30 o'clock P. M.

DE M

County Clerk and Recorder

By

LP

Deputy

File No. _____

CW 1

T. 24 N. R. 20 E.

County Glacier

**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)

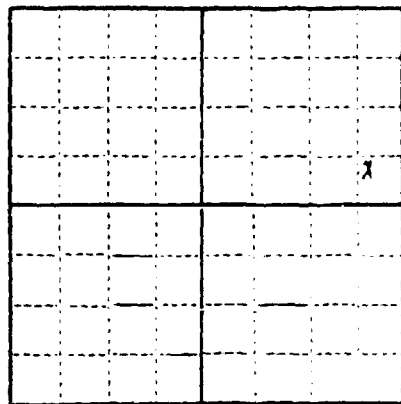
Owner John Schmitt Address Rt 4, KalispellDriller Harvey McPartick Address 745-8th St. Kalispell

Date of Notice of Appropriation of Groundwater _____

Date well started Apr 3, 1968 Date Completed April 10, 1968Type of well Drilled Equipment Used 2 1/2" Buege
(Jug, driven, bored or drilled) (Churn, drill, rotary or other) ErieWater 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)
<u>7" OD</u>	<u>23#</u>	<u>169</u>				



SE 1/4 NE Sec 25 T29 R21

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

169-44
Show exact depth of bottom.Static Water Level for non-flowing Well 85 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 100 feet at 30 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Driller 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) _____

Doc. No. 14245
Filed for record
this 5 day of February
1968
at Glacier

Driller's License Number 18
Driller's Signature Harvey McPartick

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.

47115

10245

STATE OF MONTANA
COUNTY OF FLATHEAD; SS

Filed on the 5 day of Feb
A.D. 1971 at 3:40 o'clock P.M.

Jim
County Clerk and Recorder

By

PP
Deputy

Letter
To: Montana Water Resources Board
Billings

GLENN E. MILLHOUSE
COUNTY CLERK & RECORDER
BOX 503
KALISPELL, MONTANA 59701

MESSAGE

Show interest in this on your copy
of the attached document to read #14,245

with a
82 ft
Brown sand
94 ft
Black sand
152 ft
Coarse water
sand

Date well started Apr 3, 1965 Date Completed Apr 3, 1965
Type of well Drilled Equipment Used 2 1/2" Bore
(dug, driven, bored or drilled) (Churn, drill, rotary or other) Eric
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.

Depth (Feet)	To (Feet)	PERFORATIONS		
		Kind	From (Feet)	To (Feet)
7-16 ft	23 ft			

Water

Static Water Level for non-flowing Well 85 feet
Shut-in Pressure for Flowing Well _____
Pumping Water Level 100 feet at 20 gal. per minute
Discharge in gal. per min. of flowing well _____
How Tested Bailer Length of Test 3 hrs
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number acres irrigated, if used for irrigation) _____
SE 1/4 Sec. 35 T. 25 S. R. 10 E.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.
169 ft.
Show exact depth of bottom.

Driller's License Number 18
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.

F. No.

TRIPPLICATE

T. 34 N. R. 20 W.
County *Blaine*

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 *James Bullen* Address *Box 100, Billings, MT*

Driller *Homer McCarty* Address *Box 100, Billings, MT*

Date of Notice of Appropriation of Groundwater

Date well started *Sept 10/66* Date Completed *Sept 20/66*

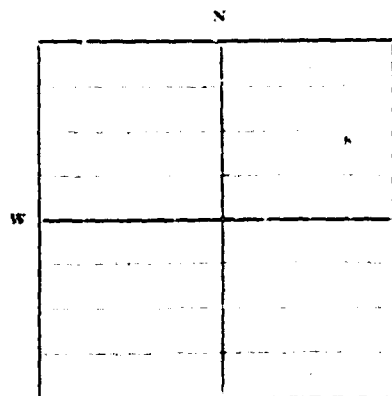
Type of well *Drilled* Equipment Used *2" Rotary*
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)

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

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

Top of Ground
(Elev. above sea level *5048*)
Gravel
14 ft
Water with
fine sand
100 ft
Coarse
Water
Sand

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<i>2 1/2"</i>	<i>23"</i>		<i>155 1/4"</i>			



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

150 1/4"
Show exact depth of bottom.

Static Water Level for non-flowing Well *85* feet.

Shut-in Pressure for Flowing Well

Pumping Water Level *85* feet at *20* gal. per minute.

Discharge in gal. per min. of flowing well

How Tested *Boiler* Length of Test *3 hrs*

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

Doc. No. *14,427*
Filed for record
on *17th* day of *May*
A.D. 19*66* at *1:20*
P.M.

18
Driller's License Number
Homer McCarty
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.

Answer all questions. If not applicable, so state, otherwise the form will be returned. *50,416*

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

14427

STATE OF INDIANA) SS
COUNTY OF [unclear])
Filed on 11th day of May 1907
A.D. 1907 at 1:20 O'clock P.M.
[Signature]
Clerk of the Court
By [Signature] Deputy

File No. _____

T. 27 N. R. 20 W. S. 35

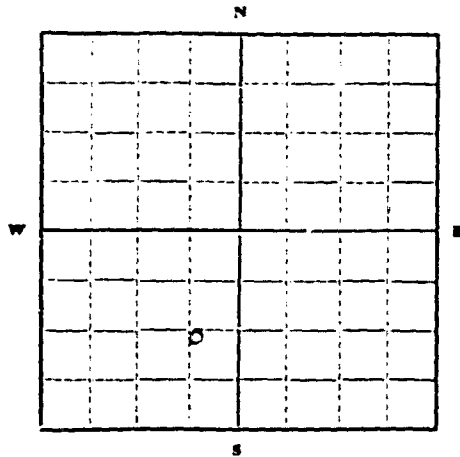
DUPLICATE

County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. James H. Snell of RT 4 Helena
(Name of Appropriator) (Address) (Town)
County of Flathead State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec 35 T27 R20

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. Dwelling
+ Stock use of Farm

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been. Drilled in October, 1948
Paid for Well Nov 5, 1948 (Well operated Oct 1948)
Dwelling & stock use of Farm

4. The amount of groundwater claimed (in miner's inches or gallons
per minute) all water needed for Farm

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
Only Garden

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

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater. Drilled in October, 1948, Well operated in Oct. 1948
Paid for Well Nov 5, 1948

8. The depth of water table 28 ft to 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 6" casing using casing. approx 16 ft deep

10. The estimated amount of groundwater withdrawn each year. Whatever is needed

11. The log of formations encountered in the drilling of each well if available.
Thin sandy drilled well
then no log

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.
No other information

Signature of Owner James H. Snell
Date Aug 12, 1948

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.

38501

11,491

STATE OF MONTANA
COUNTY OF FLAHERTY

Filed on the 13 day of Aug
A.D. 1964 at 2:30 o'clock PM

387
County Clerk and Recorder

By M. J. Deputy

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 DOROTHY BURLEIGH

Address CRESTON

MONT

Date well started 6/15/70

completed 6/29/70

Type of well DRILLED

(Dug, driven, bored or drilled)

Equipment used CHURN

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

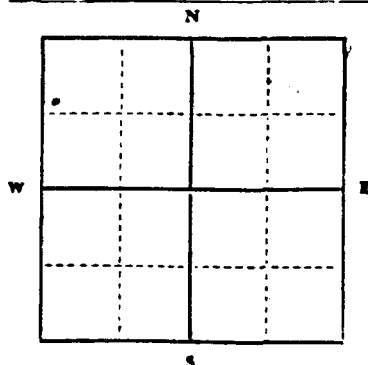
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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)
7"	20#	0	120			



Static water level 90 ft.*
Pumping water level 110 ft.*
at 25 gallons per minute,
measured 25 minutes after pumping
began.
*Measured from ground level.
Well developed by BAILOR
for 3 hours.
Power ELEC Pump 1/2 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

N. 1/4 N. 1/4 Sec. 36
T. 29 N. R. 20 E
LOT 48 W

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

Driller's Signature

Driller's Address

Mont

LICENSE NO. 101

County FLATHAD

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) 2760

From (Feet)	To (Feet)	
0	30	BROWN FINE AND BOULDERS
30	90	LOOSE GRAVEL
90	120	BROWN SAND AND GRAVEL

120 Show exact depth of bottom

47265

14183

STATE OF MONTANA
COUNTY OF FLATHEAD
Filed on the 28 day of July
A.D. 1970 at 3:50 o'clock P.M.
Sein
County Clerk and Recorder

By _____
Deputy

File No.

GW 4

T. R.

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

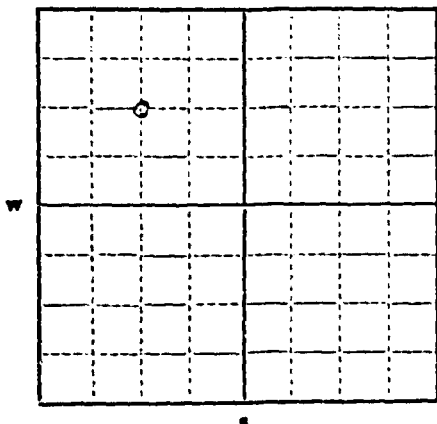
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 6 1964

STATE ENGINEER

I, James J. Lyman of Butte County of Butte State of Montana
 (Name of Appropriator) (Address) (Town)
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 36 T29N R20W

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

2. The beneficial use on which the claim is based irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 5/1/37
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 garden
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 5/1/37 - 6/1/37
8. The depth of water table 17 - 30 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 aug. 5' diameter, 22' deep, 35 feet (aug. 15' - 20' 20')
10. The estimated amount of groundwater withdrawn each year 225,000 gallons
11. The log of formations encountered in the drilling of each well if available 3 feet light soil, 30 feet coarse gravel, 2 feet per 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 James J. Lyman

Date 12/30/63

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

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

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

22569

10,389

RECEIVED
FEDERAL BUREAU OF INVESTIGATION
U. S. DEPARTMENT OF JUSTICE
DATE 30 Dec
BY 63 1036
LE 27
By [Signature]

File No. _____

SW 4

T 29 N R 20 W

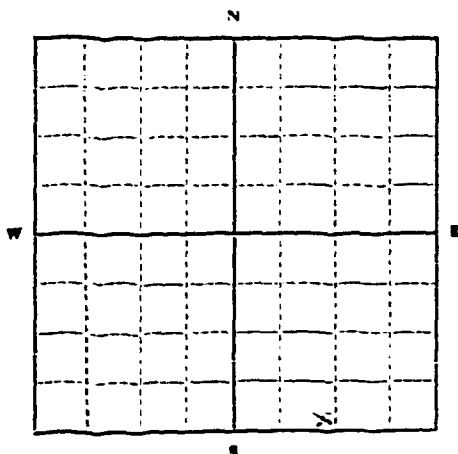
County Fleethed

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Palmer Noel Gordon & Beatrice H. Gordon of RT 4 Heligull
(Name of Appropriator) (Address) (Town)
County of Fleethed State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 SE 1/4 Sec 36 T 29 R 20

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 Drilled March 2 1951 and continuous since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 gals per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Two acres - SW 1/4 - SE 1/4 Sec 36 T 29 R 20
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal By pressure system located in SW 1/4 - SE 1/4 Sec 36 T 29 - R 20

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater In March 1951

8. The depth of water table 113 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 7 in casing - 140 ft deep

10. The estimated amount of groundwater withdrawn each year 365,000 gals

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 No records known

Signature of Owner Palmer Noel Gordon
Beatrice H. Gordon
Date Dec 30, 1963

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

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

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

10 5 53

30 Dec
63 39
G. L. & M. L. L. L.
Rich

File No. _____

GW 4

T. 29 N R. 20 W

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

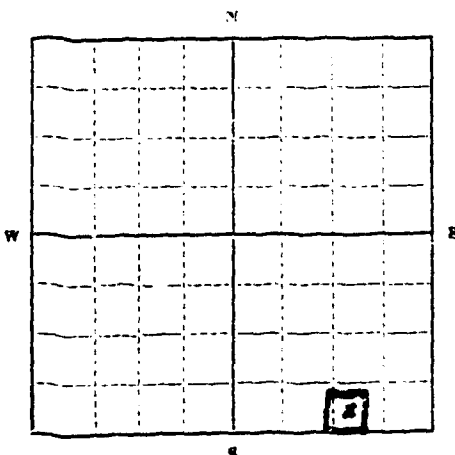
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 6 1964

STATE ENGINEER

William L. Hilgemann of Rt #4 Kalispell
(Name of Appropriator) (Address) (Town)
County of Flathead State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 SE 36 29 R20

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 & Garden
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 6-2-56
Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 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
Irrigation of Home Garden
Self
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric Pump - South 1/2 of 6 Acre Plot
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 5-12-55 To 6-2-56
8. The depth of water table 40 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 8" Steel Case - 154'6"
Depth
10. The estimated amount of groundwater withdrawn each year 350,500 Gal.
11. The log of formations encountered in the drilling of each well if available Clay & Gravel To 62' - Coarse Gravel To 97' - Fine Gravel & Water Bearing Gravel To 109' - Fine Gravel & Water To 154'6"
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 Location of Property - S.W. Corner SE 1/4 of SE 1/4 Section 36 - Township 29 N - Range 20 W.

Signature of Owner

Wm L Hilgemann
Date 12-30-63

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

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

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

22917

10747

31 Dec
63 10.12
2nd Tr
at 2 H

20

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.

Developed after January 1, 1962

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

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

Owner George H. H. H. H.

Address

Date well started 1/1/71

completed 11/1/78

Type of well Hand-dug

Equipment used

Water Use: Domestic ☒ Municipal

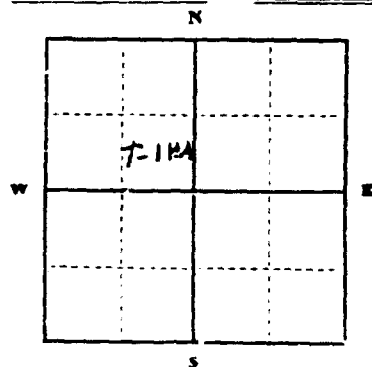
Industrial ☐ Drainage ☐

*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)
7	7					



Static water level ft.
Pumping water level ft.
at gallons per minute,
measured minutes after pumping
began.

*Measured from ground level.

Well developed by

for hours.

Power..... Pump..... HP

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

CL. 14 N/A Sec. 14
T. 24 N R. E
S W

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

Driller's Signature [Signature]

Driller's Address _____

LICENSE NO. 1

Show exact depth of bottom

55254

14,258

STATE OF CALIFORNIA, SS
COUNTY OF PLATTEAU, SS
Filed in the 1 day of *April*
A.D. 1971 at 11 - *58m* o'clock *A.M.*
County Clerk and Recorder:
M. J.
Deputy

F No.

DUPLICATE

T. 29 N. R. 36 E.

County. Flathead

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 H. E. Layton Address Rt 4 KalispellDriller Homer McClarty Address 945-8th St

Date of Notice of Appropriation of Groundwater

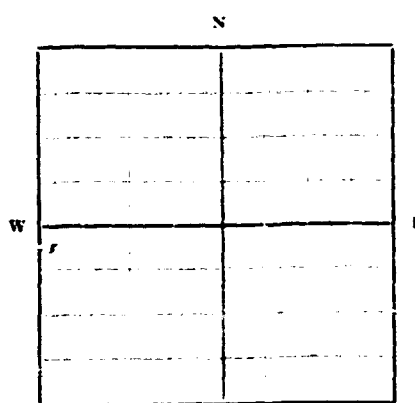
Date well started Oct 14, 1963 Date Completed Oct 26, 1963Type of well Drilled Equipment Used 22 W Bucyrus Erie
(dug, driven, bored or (Churn, drill, rotary or other)Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

Top of Ground

(Elev. above sea level 2940)1 ft top soilGravelCobbles
boulders64 ft
to67 ft fine
gravel
to120 ft
Gravel
boulders

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>7" OAL</u>	<u>23#</u>		<u>118 ft</u>			

N. 1/4 Sec 36 T29 R20

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

124 ft water bearing
sandy gravel

Show exact depth of bottom.

Static Water Level for non-flowing Well 18 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 12 feet at 16 2/3 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested boiler Length of Test 2 hrs.

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

acres irrigated, if used for irrigation)

Doc. No. 14410
Filed for record
this 12th day of April
A. D. 19 63, at 1:50

Driller's License Number 18Driller's Signature Homer McClarty

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

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

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

50,202

14, 410

STATE OF CALIFORNIA SS
COUNTY OF LOS ANGELES
Filed for Record 12/1/72 *Grind*
A.D. 1972 at 1:50 P.M.
Sen
98

File No. _____

T 29N R 20W

TRIPLICATE

County Flathead

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground _____
(Elev. above sea level Approx. 3043 ft.)

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Formations Log:

0 - 16 Gravel and
cobblestones
imbedded in
brown clay.
16 - 38 Cobblestones
mixed in
dirty gravel.
38 - 53 Fairly clean
sand and
gravel.
53 - 58 Clean sand
and gravel.
Seeps of
water.
58 - 74 Cemented
gravel.
74 - 77 Clean coarse
gravel.
Water.

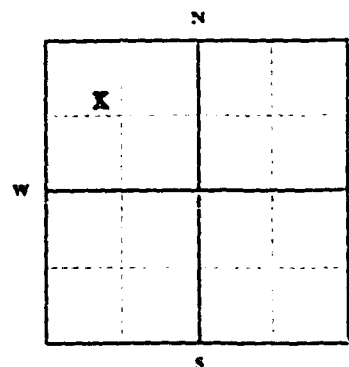
Owner Capt. Wayne Pedersen Address Fort Missoula, Mont.Driller Liberty Drilling Co. Address Missoula, MontanaDate of Notice of appropriation of groundwater None filedDate well started 4/16/70 Date completed 4/20/70Type of well Drilled Equipment used Cable tools
(Dug, Driven, bored or drilled) (Churn 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 1/8" x 1/4"	+1.6"	77'	N	O	N

Doc. No. 2 14188
Filed for record
this 5 day of August
A. D. 19 70, at U. S. C.
o'clock 2 M.

Water rises in well to
49 feet from surface.



Static Water Level for non-flowing well
_____ 49 feet.

Shut-in Pressure for Flowing Well None
Pumping Water Level _____ 53 feet
at _____ 35 gal. per minute.

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

How Tested Air Lift PumpLength of Test 2 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through open bottom of six inch casing. Wells in this area can be depended

W 1/4 Sec 35 T. 29N R. 20W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

upon to produce clear sand free water year after year as long as they are not (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).

Approximately 35 acres.

Show exact depth of bottom.

Bottom of well 77 ft.

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.

52
Driller's License Number

William F. Cahane
Driller's Signature

47-226

17.188

Aug 2
5
10.11.50
J. L. M.
S. J.

overpumped, i.e., they should be pumped at rates not in excess of 50 to 60 percent of the tested capacity of the aquifer.

File No.

GW 2

T. 36 R. 36County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

MAR 18 1964

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 to 15 ft light clay

15 to 50 ft Hard

pan and boulders

50 to 78 ft Brown

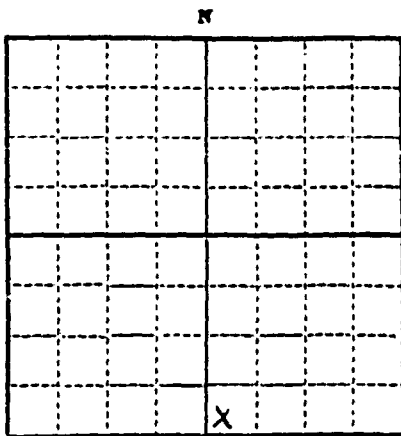
hard pan.

78 to 88 ft coarse

sand.
88 to 90 ft water
bearing gravel and
sand.Owner Mr. J. L. Lamb Address Flathead Nat. ForestDriller Blair J. Justice Address Flathead Nat. ForestDate of Notice of Appropriation of Groundwater none filedDate well started Nov 25-63 Date Completed Dec 2-63Type of well Drilled Equipment Used Churn
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	7" O.D. 23 lb. per ft	0	90	none		

T. 36 N. R. 36 W. Sec. 36

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 71 feet.Shut-in Pressure for Flowing Well non-flowingPumping Water Level 2.5 feet at 1.0 gal. per minute.Discharge in gal. per min. of flowing well non-flowingHow 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)

Driller's License Number 7055Driller's Signature Blair J. Justice

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.

35471

File No.

GW 1

T 24 R 36

County Rock

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)

Oct 63 A
Storm tank fan.

63 to 82 ft.
waterbearing
gravel and sand.

Owner Bill E. Thompson Address Rockwell, Mont.
Driller Allen J. Gustafson Address Columbia Falls, Mont.

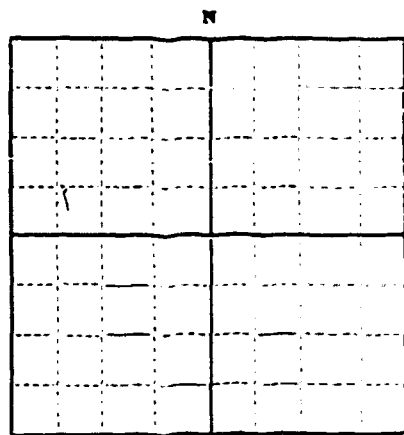
Date of Notice of Appropriation of Groundwater None filedDate well started July 14, 69 Date Completed July 16, 69

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
6 3/8"	7" O.D. 23 lb	0	82	none		



SW 1/4 Sec 34 T24 R36
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 57 feet.Shut-in Pressure for Flowing Well non-flowingPumping Water Level 58 feet at 25 gal. per minute.Discharge in gal. per min. of flowing well non-flowingHow Tested Latent 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)

Driller's License Number 76055
Allen J. Gustafson
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.

14034

STATE OF MONTANA
COUNTY OF FLATHEAD, SS
Filed on the 19 day of Aug
A. D. 1969 at 11:35 o'clock A. M.
Rm
County Clerk and Recorder
By Deputy

GROUNDWATER INDEX

Page 1 of 1

County Flathead Twp. 29N Rge. 19W

[illegible]

File No.....

CW:2

T 29N R 19W 9

County Flathead

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 3,000')

Fine sand

Mucky gray clay

Sandy brown clay
Seepage

Gray clay & boulders

Sand & Gravel
(WATER)Owner Howard Johnston Address U.S. Hwy. 2 S-Col. HgDriller Weber Drilling Co. Address Col. Falls

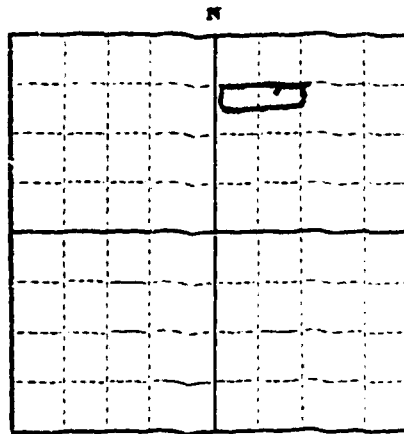
Date of Notice of Appropriation of Groundwater.....

Date well started 11-4-69 Date Completed 11-6-69Type of well drilled Equipment Used Churn
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☐

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

File 14,718
Date Jan. 22, 1972
Time 8:45 a.m.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
8 7/8"	7" O.D.	0'	90'	NONE		



N. W. 1/4 Sec. 9, T. 29N R. 19W
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 10 feet.Shut-in Pressure for Flowing Well nonePumping Water Level 60 feet at 40 gal. per minute.Discharge in gal. per min. of flowing well noneHow 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).....

Open bottom

90

Show exact depth of bottom.

181

Driller's License Number

Jerome H. Weber
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.

53,777

14,718

STATE OF MONTANA : SS
COUNTY OF FLATHEAD
Filed on the 22nd day of June
A. D. 1918 at 8:45 o'clock A. M.
mt
County Clerk and Recorder
By J. J. V.

GROUNDWATER INDEX

Page 1 of 1

County Flathead Twp. 390 Rge. 16W

[illegible]

County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

Developed After January 1, 1962

(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 14357

11-29-71 8:31 AM

GW 1 _____

Owner Jerry L. Branch

Address 327 8th Avenue South, Shelby, Montana

Contractor (if any) NONE

Address of Contractor _____

Date Started Nov. 24, 1971 Date Completed _____

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) By an existing pipe approx. 150' West of U.S. Highway No. 2, near old log house, also from Dickey Creek within boundaries of HES 867, also under-groundwater under HES 867 & HES 270.

2. Means of withdrawing water (gravity, pump, canal, etc.) gravity from pipe, gravity or pump from Dickey Creek, pump for groundwater.

3. Depth of water table Variable between 0 and 600'

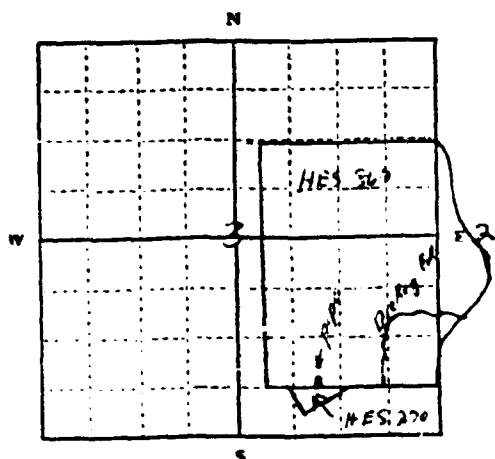
4. Use of the water for present & future cabin sites.

5. Amount of groundwater claimed (in miner's inches or gallons per minute) All waters on or under owned properties (HES 867 & HES 270).

6. If used for irrigation, give number of acres and description of land approx. 150 acres, HES 867 & 270, lying within sections 2 & 3, T29N, R16W, Flathead County, Montana.

7. Estimate amount of water used each year Adequate supply for future development of cabin sites, etc.

8. Months of year spring flows 12 months.



$\frac{1}{4}$ Sec. 2 and 3

T. 29N N R. 16W E
S W

INDICATE POINT OF APPROPRIATION
AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or esti-

3600 MSL⁺, use: various sites within HES 867 & HES 270.

Signature of Owner Jerry L. Branch

Date Nov 24, 1971

14357

STATE OF MONTANA } SS
COUNTY OF FLATHEAD }

Filed on the 27 day of Nov
A. D. 1971 at 9:31 o'clock AM

[Signature]
County Clerk and Recorder

By M. L. Deputy

F. No.

County Flathead

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERNotice of Completion of Groundwater
Appropriation by Means of Well ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Owner Heinert Johansen Address Essex, Montana
Route #1
Driller Gordon S. DeYoung Address Kalispell, Montana

Top of Ground

Elev. above sea level 3800 Ft.

17 Ft. Clay & Gravel

8 Ft. Red Shale

22 Ft. Loose Gravel & Clay

6 Ft. Clay & Boulders

14 Ft. Loose Gravel & Clay

9 Ft. Clay & Boulders

19 Ft. Loose Gravel & Clay

54 Ft. Gray Conglomerate

23 Ft. Gravel & Sand

Bottom of Well, 172 Ft.

NE 1/4 NE Sec. 10 T 29N R 16 W

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

Show exact depth of bottom.

Date of Notice of Appropriation of Groundwater

Date well started Aug. 7, 1964 Date Completed Sept. 1, 1964Type of well Driven
(dug, driven, bored or
drilled)Equipment Used Churn
(Churn, drill, rotary or
other)Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☒ Drainage ☐ Other ☐Indicate on the diagram the character and thickness of the different
strata met with in drilling, such as soil, clay, shale, gravel, rock or sand,
etc. Show depth at which water is encountered, thickness and character of
water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	7" - 17#	Surface	Bottom	None		

Static Water Level for non-flowing Well 145 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 160 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailer Length of Test 4 HoursRemarks: (Gravel packing, cementing, packers, type of shutoff, loca-
tion 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)

#101

Driller's License Number

Driller's Signature

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

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

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

34518

11,529

STATE OF MONTANA) SS
COUNTY OF FLATHEAD

Filed on the 22 day of Sept
A. D. 1964 at 2 o'clock P M

D. L. M.
County Clerk and Recorder

By D. L. M. Deputy

File No.

T 29 N. R 16 W.

DUPLICATE

County Flathead

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 Pattie Address Essex, MontanaDriller Gordon S. DeYoung Address Route #1, Kalispell, Montana

Date of Notice of Appropriation of Groundwater

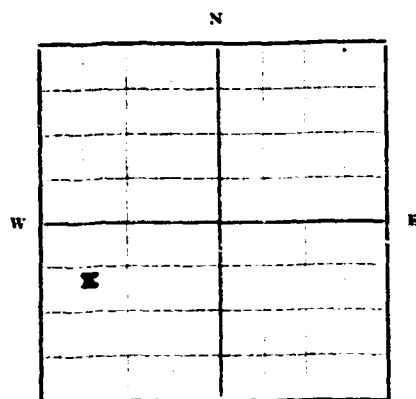
Date well started June 15, 1962 Date Completed August 11, 1962Type of well Drilled Equipment Used Churn
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☒
Industrial ☐ Drainage ☐ Other ☐

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

Top of Ground 2' Gravel loam(Elev. above sea level 3800 Ft.)164' Glacial conglomerate40' Gravel and sand

Bottom of well 206 Ft.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	8" - 28#	Surface	206'	1" x 1 1/2"	175	204



Section 11 T. 29 N. R. 16 W.

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

Show exact depth of bottom.

Static Water Level for non-flowing Well 156 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 180 feet at 500 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Pump Length of Test 12 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) 20 acres irrigated to be irrigated

101

Driller's License Number

Gordon S. DeYoung
Driller's Signature

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

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

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

437

9728

STATE OF MONTANA : SS
COUNTY OF FLATHEAD :

Filed on the 24 day of Apr
A.D. 1963 at 11:30 o'clock AM

58.71
County Clerk and Recorder

By M. J.
Deputy

File No.

GW 4

T 29 N. R 16 W.

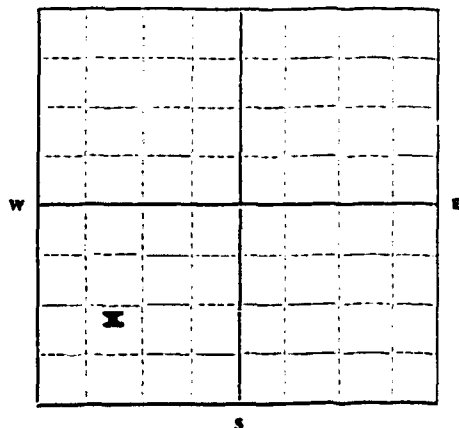
County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 17 1963

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

1. Robert L. Pattie of Essex
(Name of Appropriator) (Address) (Town)
County of Flathead State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 SW 1/4 Sec. 11 T 29 R 16 W.

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

2. The beneficial use on which the claim is based Domestic
3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 20, 1961 - used continuously since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 35 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 Does not apply
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Pump - Location NE 1/4 SW 1/4 Sec. 11, T. 29 N., R. 16 W.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commencement approximately July 1, 1961 - Completion approximately July 20, 1961
8. The depth of water table 45 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 7 inch casing - Depth 59 1/2 Feet
10. The estimated amount of groundwater withdrawn each year 120,000 gallons
11. The log of formations encountered in the drilling of each well if available Surface to 32 feet clay and boulders; 32 feet to 44 feet gray conglomerate; 44 feet to 59 1/2 feet sand and gravel
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None

Signature of Owner Robert L. Pattie

Date October 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.

2-26

10006

STATE OF MONTANA / SS
COUNTY OF PLATEAU

Filed on the 16 day of Dec
A.D. 1963 at 8:30 o'clock AM

J. B. M.
County Clerk and Recorder
By MT Deputy

F. No.

DUPLICATE

Top of Ground
8 Ft. Loose Gravel
Elev. above sea level... 3950 Ft.

26 Ft. soft clay and boulders

(Gray conglomerate 9 Ft.)

15 Ft. Gravel & Sand

Bottom of Well - 53 Ft.

County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Owner Wayne A. and Lenore O. Welsh Box 304
Address Shelby, Montana
Route #1
Driller Gordon S. DeYoung Address Kalisell, Montana

Date of Notice of Appropriation of Groundwater

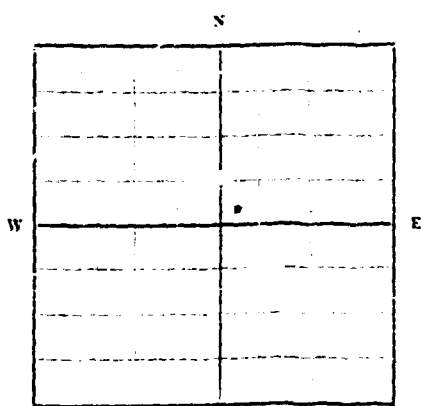
Date well started Sept. 7, 1964 Date Completed Sept. 16, 1964

Type of well Driven Equipment Used Churn
(dug, driven, bored or (Churn, drill, rotary or
drilled) 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)
7"	7" - 17#	Surface	Bottom	None		



SW 14 Sec. 11 T 29 R 16

Indicate location of well and place of use, if possible. Each small square represents 16 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 24 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 50 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Baller Length of Test 4 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)

This well was drilled to a depth of 61 feet then gravel packed and pulled back to 53 Feet.

#101

Driller's License Number

Driller's Signature

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

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

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

11824

NOTICE OF SALE

Given on the 21 day of May
A.D. 1965 at 5:55 o'clock P.M.

2887

County Clerk and Recorder

J. A. P.

GROUNDWATER INDEX

County Waltham Twp. 2977 Rge. 156

[illegible]

File No.

GW 4

T. 29 N R. 15 W

County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 6 1964

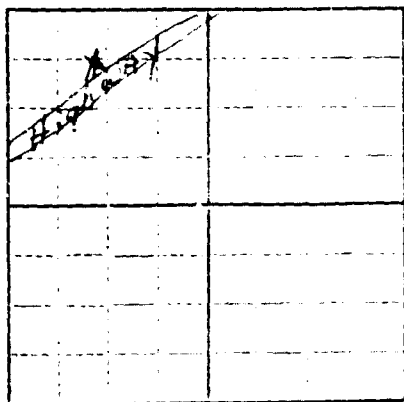
RECEIVED

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Dalton E. Wellman Bigfork
(Name of Appropriator) (Address) (Town)
County of Flathead State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



H.E.S. 512 PMS/KTS 146

Sec. 29 R. 15

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
cullinary, livestock and irrigation

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been 1954 - steady

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

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
18 acres

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

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater 1954

8. The depth of water table. 64 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 not known

10. The estimated amount of groundwater withdrawn each year not known

11. The log of formations encountered in the drilling of each well if available not known

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

Signature of Owner Dalton E. Wellman

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

23 208

11038

(31 Dec
68) ^{5:20} pm
KQ 4.

GROUNDWATER INDEX

Page 1 of 1

County Flathead Twp. 28N Rge. 27W

[illegible]

GW 3

File No.

ORIGINAL

T. ... R. ...

County.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DEC 30 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

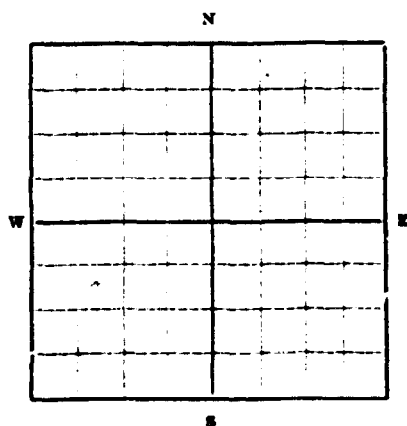
Owner Address

Contractor (if any)

Address of Contractor

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.



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

S.W. Sec. 23 T. 28 N. W. Went estimate approximate lengths of periods of use

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

Signature of Owner *Art Lund*

Date

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 School of Mines and Quadruplicate for the Appropriator.

GW3

File No.

ORIGINAL

T. R.

County.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DEC 30 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

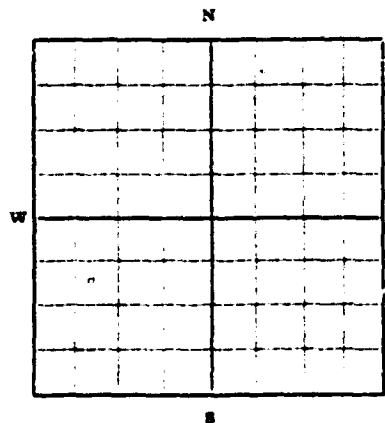
Owner Address

Contractor (if any)

Address of Contractor

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.



Flows to top of ground

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

Sec. 21 T. 28 N. R. 21 W.

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

Signature of Owner.

Date.

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 School of Mines and Quadruplicate for the Appropriator.

150 cows 1200 gals per day Use about 4 months.

10. 129

27 1129
28 11
J. R.

File No.

GW 4

T. 21 N. R. 37 E. 25
County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

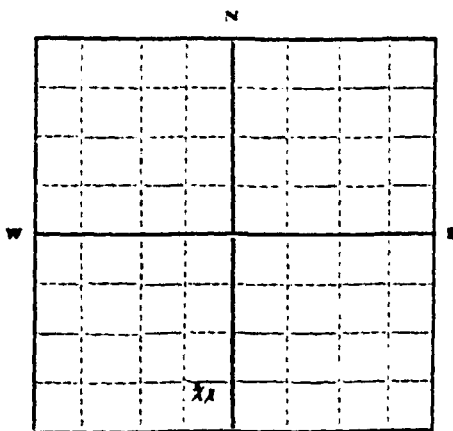
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 6 1964

STATE ENGINEER

1. Joseph D. Ridgley (Name of Appropriator) of 302 4th Ave East (Address) Hamilton Mont (Town)
County of Flathead State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S-E 1/4 of Sec. 35, T. 21 N., R. 37 E.

1/4 Sec. 35 T. 21 N. R. 37 E.

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

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
800 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.....

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

7. The date of commencement and completion of the construction of the well, wells or other works for withdrawal of groundwater.....
well for Stock 1935 one well by the house about 1945

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

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....
well by hand 100' deep 8" casing
well for Stock 40' deep 8" casing

10. The estimated amount of groundwater withdrawn each year.....
80000

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

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 Joseph D. Ridgley

Date Dec 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.

10523

3c Dec
63 2nd p.
Helm & Malhouse
Chith

File No.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

MAY 19 1984

JAN 6 1984

STATE ENGINEER

Notice of Completion of Grou water Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater. 1940

Owner Joseph C. Ridgley

Address 302 4th Ave East Kalispell Mont

Contractor (if any)

Address of Contractor

Date Started 1940

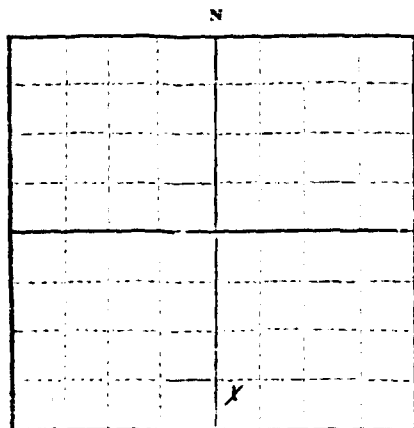
Date Completed 1940

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

Regular daily use

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.



S-W 1/4 of Sec. 5 - T. 4 N. R. 10 E.

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

Signature of Owner

Joseph C. Ridgley

Date Dec 28 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.

22702

10524

30 Dec
63 G.M.
E. E. Melhame
Cheith

GROUNDWATER INDEX

Page 1 of 1

County Flathead Twp. 25N Rge. 26W

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