

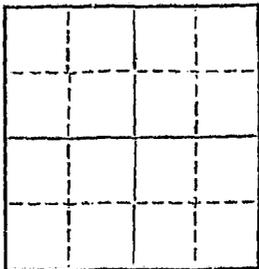
RECEIVED
JAN 12 1959

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 13 N. R. 4 E
County Cascade

WATER WELL LOG



Owner Peter Kavalla Address Land Center

Driller Lucy Granger Address Land Center

Date Started Nov. 19 Date Completed Dec. 3

Location: Sec. _____ T. _____ R. _____ 1/4 sec. _____

Type of well Drilled Equipment used 22 W Bucyrus Erie
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

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

Casing: 10.8 ft. to _____ ft. Type Threaded Size 6 1/2 in.

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

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

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

Type of screen or perforations _____

Static Water level, for non-flowing well: 40 feet.

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

Pumping water level 23 feet at 14 gal. per min.

How tested: Bailer

Length of test: One hour

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

(over)

File No.

T. 19 R. 5 E

DUPLICATE

County CASCADIA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

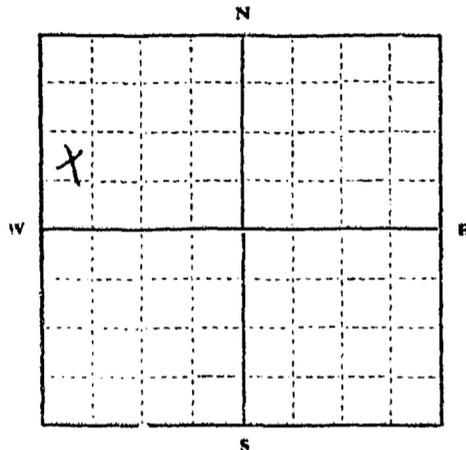
RECEIVED
JAN 7 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Otto E. Johnson of SAND COULE
(Name of Appropriator) (Address) (Town)

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



Lot 3 S. 1/4 Sec. 6 T. 19. R. 5 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 HOUSE & STOCK WATER

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) APPROXIMATELY 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 APPROX. 1 ACRE TREES LAW N. & FLOWERS

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

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

8. The depth of water table 76 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 NONE

10. The estimated amount of groundwater withdrawn each year 275000

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 Otto E. Johnson

Date Dec 26, 1963

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

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

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

28216

4228

STATE OF MONTANA,)
County of Cascade.) ss.

I hereby certify that the within in-
strument was filed in this office on
..... DEC. 31 1962

at 8:30 ^{Sup} o'clock PM

J. L. KENNON
County Clerk and Recorder.

By J. J. [Signature]
Deputy.

File No.

T. R.

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

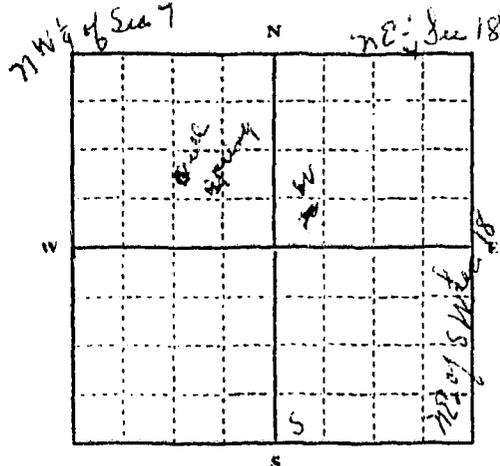
RECEIVED
JAN 8 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. George F. Heel and Bernice T. Heel of Stevs Run Stockett
(Name of Appropriator) (Address) (Town)

County of Cascade 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.

One well Lot 4 Anteville

townships one well NE of SW Sec 7 townships 19 N Range 5 E one well NE of N. W. Sec 18 Range 5 E townships 19 N

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. One well started in May 1959 finished in June 1959 finished in Oct 1959. Other well date not known

8. The depth of water table. 165 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. Well on lot 4 3.69 ft. 4 in casing Well in Sec 7 2.68 ft. 4 in casing Well on Sec 18 2.05 ft. 4 in casing - not in use at present

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

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

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

Signature of Owner George F. Heel
Bernice T. Heel

Date Dec 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.

27948

3963

STATE OF MONTANA,)
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
DEC 30 1964

at 10:36 ^{Date} o'clock

J. L. LENNON

County Clerk and Recorder.

By

J. J. Churn

Deputy

GW 5

File No.

T. 19 R. 5 E

DUPLICATE

County CASCADIA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 9 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

OTTO E JOHNSON

Owner OTTO E JOHNSON Address SAND Coulee

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.....

NATURAL Spring Flow

UNABLE TO DETERMINED DEPTH

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

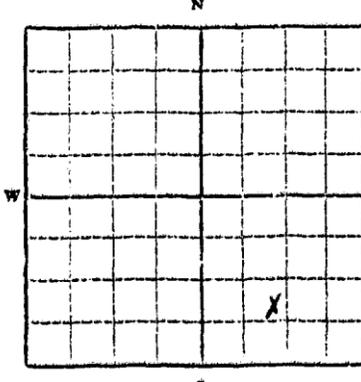
NATURAL SPRING Flow For Stock Use

UNABLE TO DETERMINED

Signature of Owner OTTO E JOHNSON

Date DEC 26 1963

Section 8, T. 19, R. 5 E
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.

28205

4217

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
DEC 31 1963

at 8 21 ^{Date} o'clock PM

J. E. LENNON
County Clerk and Recorder.

By J. J. O'Connell Deputy.

GWS

File No.

T. 19 R. 5E

DUPLICATE

County CAGGARE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 9 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner OTTO L. JOHNSON Address SAND CREEK

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. NATURAL FLOW FROM

ABANDONED COAL MINE

UNABLE TO DETERMINE

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

tent estimate approximate lengths of periods of use

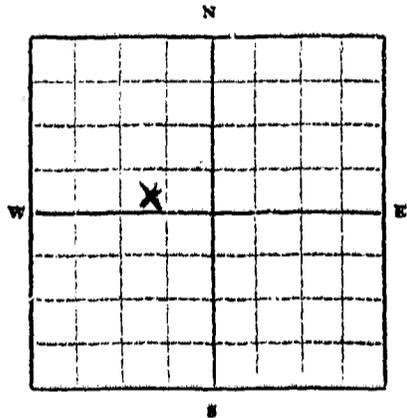
NATURAL FLOW FROM ABANDONED MINE

SHAFT FOR STOCK WATER

UNABLE TO DETERMINE

Signature of Owner Otto L. Johnson

Date Dec 27 1963



NE 1/4 NE Sec. 8 T. 19 R. 5E

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.

28215

4227

APR 1963

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

DEC 31 1963

at 8:31 ^{Date} o'clock M.

J. L. LENNON
County Clerk and Recorder.

By J. J. DeCham
Deputy.

GW 3

File No.....

T. 19 R. 5E

DUPLICATE

County CASCADE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 9 1964

Notice of Completion of Groundwater Appropriation Without Well ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

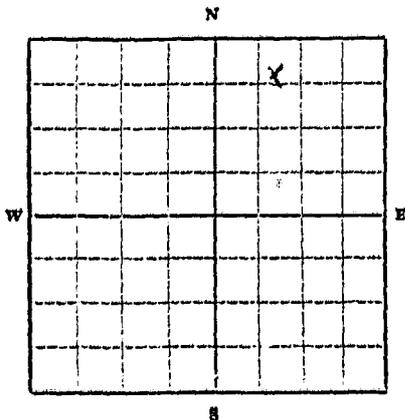
Owner Otto L Johnson Address SAND Coulee

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.....



NATURAL SPRING FLOW

NOT AVAILABLE

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

tent estimate approximate lengths of periods of use

NATURAL SPRING FLOW USED FOR STOCK

WATER

NOT AVAILABLE

Signature of Owner.....

Date Dec 26, 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.

28214

4226

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

DEC 31 1963

at 8:25 ^{PM} b'clock M.

J. L. LENNON
County Clerk and Recorder.

By [Signature]
Deputy.

File No.

T. 19 R. 5 E 16

DUPLICATE

County

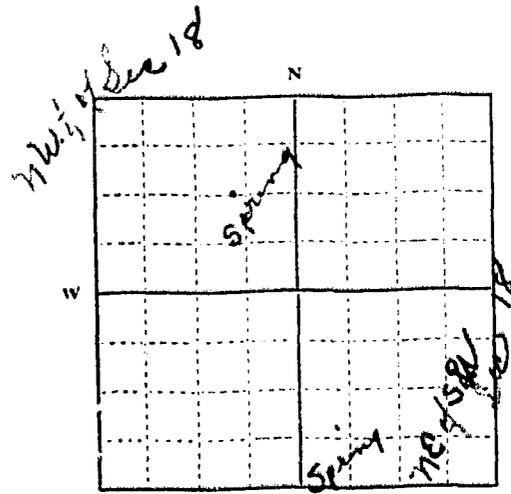
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 9 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater... 1944
Owner... George F. Heel
Address... Rt. Stockell Mont
Contractor (if any) ... none
Address of Contractor ...
Date Started... was there when we bought
Date Completed... place



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

They run out into hollow in ground and settle on bank from them

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... about 3 months in summer probably 2 gal a min.

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

1 Spring N 2 of SW. Sec 7 Township 19 N. Range 4 E;
1 " N 2 of SW. Sec 18 Range 5 E township 19

Signature of Owner... George F. Heel
Date... Dec 30-1963

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.

3964

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

DEC 30 1968

Date

at 10:37 o'clock PM

J. L. LENNON

County Clerk and Recorder.

By

J. J. Johnson
Deputy.

File No.

T. R.

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 8 1964

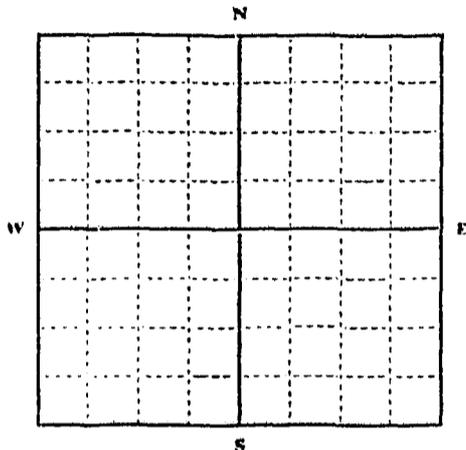
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Rudolph De Michilli of Sand Coulee
(Name of Appropriator) (Address) (Town)

County of _____ 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. Supplying water for domestic and household use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. June 1, 1959 Daily use.

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 12 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. Not applicable.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Electric Pump. N3W, W3E, E Co. Rd. Sec. 18 Twn. 19 R 5E.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Started Drilling April 20, 1959 Completed June 1, 1959

8. The depth of water table. 160 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. Drilled well, 6 inch casing 82 ft. Well 187 ft.

10. The estimated amount of groundwater withdrawn each year. 20,000 Gals.

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

Signature of Owner Rudolph De Michilli

Date 12-28-63

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

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

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

4121 $\frac{1}{2}$

CLERK AND RECORDER
U.S. DISTRICT COURT
SOUTHERN DISTRICT OF NEW YORK
120 WALL STREET
NEW YORK, N. Y.

2:17 P.

[Signature]

18

File No.

T. 19 R. 5 East

DUPLICATE

ONTANA WATER RESOURCES BOARD
LOG RECEIVED
MAY 1968

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

Owner Larry McEwen Address Sand Coulee, Mont.

Driller Pat Byrne Address Great Falls, Mont.

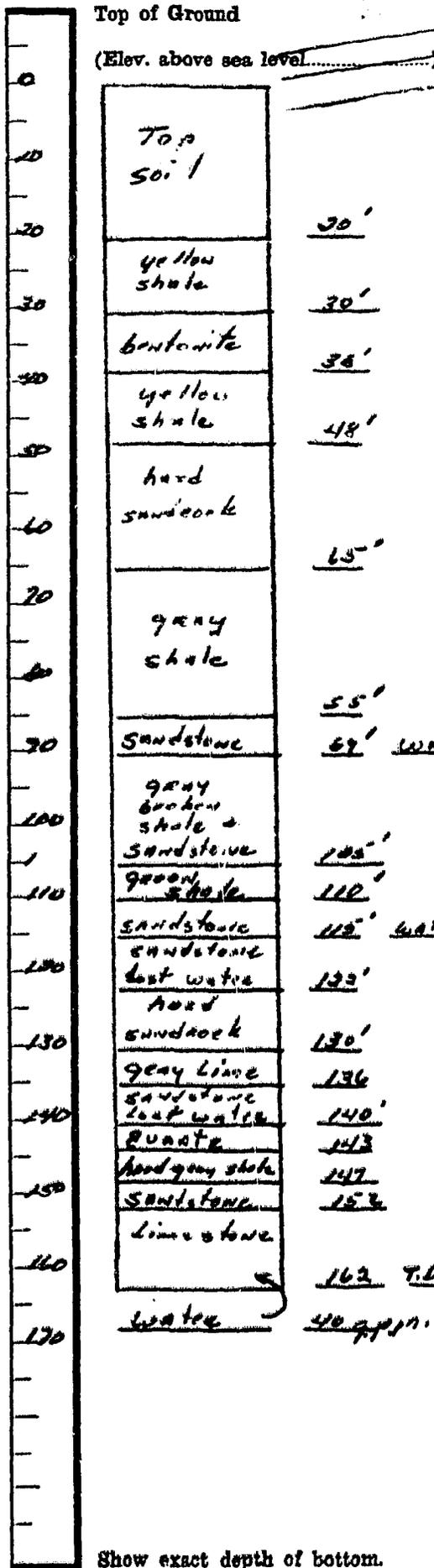
Date of Notice of appropriation of groundwater.....

Date well started March 1, 1968 Date completed March 7, 1968

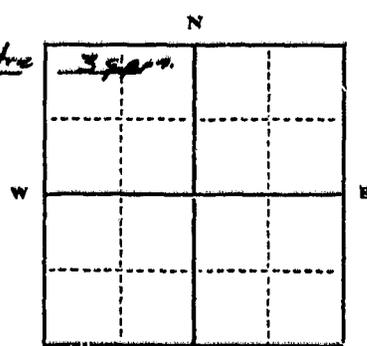
Type of well Drilled Equipment used Churn drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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	From (Feet)	To (Feet)
8"	6" OD	0	Torch	153	159	
				Cave catcher set at 152		



Block 3 Lot 6
Brown Addition
N1/4 Sec. 18 T. 19 N. 5 E.
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 143 feet.
Shut-in Pressure for Flowing Well.....
Pumping Water Level 155 feet
at 40 gal. per minute.
Discharge in gal. per min. of flowing well.....
How Tested Baller
Length of Test 1 hour
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).
.....
.....
.....

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.

135
Driller's License Number
[Signature]
Driller's Signature
44,036

Show exact depth of bottom.

5083

STATE OF MONTANA, } ss.
County of Cascade. }

I hereby certify that the within instrument was filed in this office on
APR 1 1968

Date
at 11:55 o'clock P.M.

J. L. JENNON
County Clerk and Recorder.

By [Signature]
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 William D. Surmi

Address Sand Coulee,

Mont.

Date well started Aug. 10, 1971

completed Sept. 1, 1971

Type of well Drilled

(Dug, driven, bored or drilled)

Equipment used Cable Tools

(Chum drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation

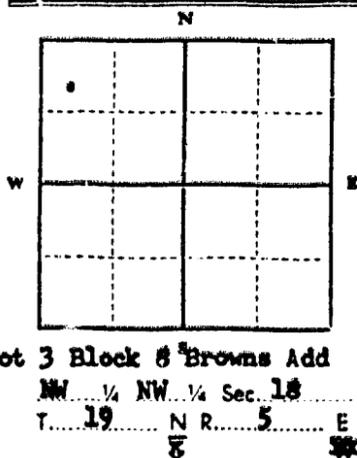
Industrial Drainage Other Garden/Lawn

*Describe possibly to use for some rental property

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). None

ESTIMATED ANNUAL WITHDRAWAL 200,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
<u>7 1/2 inch to 69 ft.</u>	<u>10 lbs per ft.</u>	<u>Surface</u>	<u>69</u>	<u>None</u>	<u>None</u>	<u>None</u>
<u>From 69' to 165' - 6 inch</u>	<u>2.8.</u>					



Static water level 148 ft.*
Pumping water level 156 ft.*
at 18 gallons per minute,
measured 240 minutes after pumping
began.

*Measured from ground level.
Well developed by Grump
for 4 hours.

Power Electric Pump 1 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) None

Water producing from limestone fracture

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

Driller's Signature Thomas B. Hunter

Driller's Address Sta. 1, So. Box 561

West Falls, Mont.

LICENSE NO. 84

County CASCADE

DRILLER'S LOG 18

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

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
<u>0</u>	<u>25</u>	<u>Dirt</u>
<u>25</u>	<u>60</u>	<u>Clay, loose loose rock</u>
<u>60</u>	<u>82</u>	<u>Shale, Heavy shale</u>
<u>82</u>	<u>122</u>	<u>Heavy shale</u>
<u>122</u>	<u>141</u>	<u>Sandstone</u>
<u>141</u>	<u>145</u>	<u>Shale</u>
<u>145</u>	<u>153</u>	<u>Sandstone</u>
<u>153</u>	<u>156</u>	<u>Marion sandstone</u>
<u>156</u>	<u>165</u>	<u>Water bearing limestone</u>

165 Show exact depth of bottom

59,154

5348

STATE OF MONTANA, }
County of Cascade. }

I hereby certify that the within instrument was filed in this office on
MAR 28 1972

at 9:15 o'clock A.M.

J. E. LITTON
County Clerk / Recorder

By *R. B. Bolten*
Deputy

COPY

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 Aldon K. Hering
Address Rte. 1, So. Box 962
Great Falls, Mont.
Date well started Aug. 15-1964
completed Sept. 1-1964

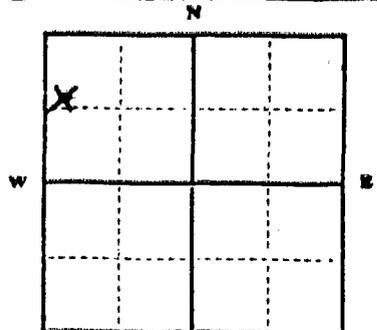
For Administrator's Use	
File	<u>5419</u>
Date	<u>Oct. 13, 1972 10:50am</u>
GW 1	

Type of well Drilled
(Dug, driven, bored or drilled)
Equipment used Cable Tools
(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	From (Feet)	To (Feet)
<u>6 5/8"</u>	<u>6 5/8"</u> <u>2.5</u> <u>20 lbs.</u> <u>per ft.</u>	<u>Surface</u>	<u>170</u>	<u>None</u>	<u>None</u>	<u>None</u>



Static water level 165 ft.*
Pumping water level 180 ft.*
at 16 gallons per minute,
measured 20 minutes after pumping
began.
*Measured from ground level.
Well developed by Bailer
for 2 hours.
Power Rig Pump None HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) None

NW 1/4 NW 1/4 Sec. 18
T. 19 N. R. 5 E. E
S 17 W

Let's 11-12-13
from add.

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

Driller's Signature Thomas B. Pennington
Driller's Address Rte. 1, So. Box 561
Great Falls, Mont. LICENSE NO. 84

County Cascade
18

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
<u>Surface</u>	<u>50</u>	<u>Glacial Drift, Shale</u>
<u>50</u>	<u>55</u>	<u>Dry Red Sand, Gravel</u>
<u>55</u>	<u>100</u>	<u>Heavy Shale</u>
<u>100</u>	<u>152</u>	<u>Light Clay in Color</u>
<u>152</u>	<u>170</u>	<u>Heavy Shale</u>
<u>170</u>	<u>187</u>	<u>Limestone, Water Bearing</u>

187' Show exact depth of bottom

5/665

5419

STATE OF MONTANA, }
County of Cascade.

I hereby certify that the within in
document was filed in this office on
OCT 13 1972

At 10:50 o'clock A M

J. L. LENNON

County Clerk and Recorder

By J. L. Wilson
Deputy

File No.

T. R.

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

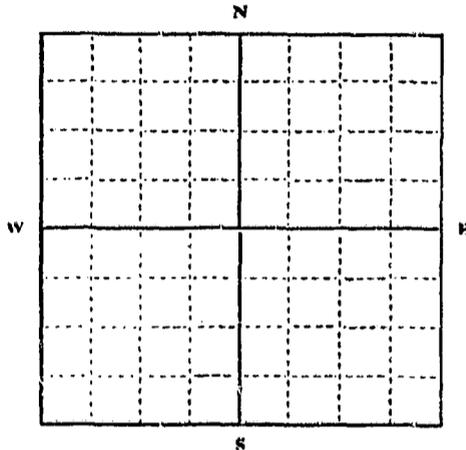
RECEIVED
JAN 8 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961.)

School District Nos. 4 & C, of Sand Coulee, Montana
(Name of Appropriator) (Address) (Town)

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



1/4 Sec. 19 T. 19 N. R. 5 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. School use & irrigation

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 1.5 gallons

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. 1 acre of lawn

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

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

8. The depth of water table.

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. Natural Spring

10. The estimated amount of groundwater withdrawn each year. Approx 1 million gallons

11. The log of formations encountered in the drilling of each well if available. 10.6 sandstone - 16.25 sandstone
25.4 gravel - 10.5 sandstone - 15.7 sandstone - 17.9 sandstone
19.4 to 10.8 sandstone - 12.8 to 12.2 lime stone - 10.2 to 11.4 gravel
14.4 to 15.1 lime stone - 15.1 to 15.8 gravel
17.4 to 20.8 gravel - 2.5 gal. 20.4 to 21.0 lime stone - 31.0 - 31.3 sandstone - 31.7 to 33.0 lime stone
36.7 - 38.8 sandstone - 41.7 to 42.0 sandstone

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: School District Nos. 4 & C
Ed. J. Payne, Chairman
Date: 1/30/63

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.

3960

STATE OF MONTANA,
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
DEC 30 1924

Date
10:28 o'clock A.M.

J. L. EMMISON
County Clerk and Recorder
J. C. [Signature]
County

File No.....

T. 17 R. 56

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 9 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....

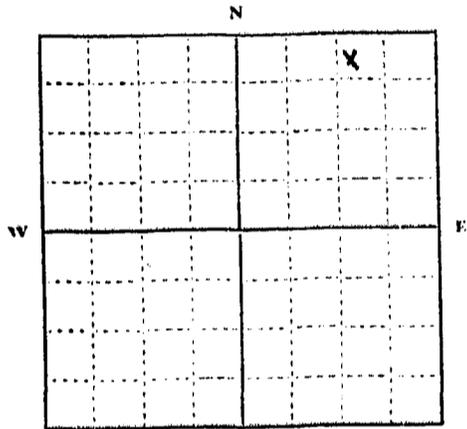
Owner School Dist. No. 54 Address Sand Creek, Mont

Contractor (if any) Robert J. Klauer

Address of Contractor Stockell, Montana

Date Started Oct. 24, 1953 Date Completed Nov. 24, 1953

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



..... 1/4 Sec. 19 T. 17 R. 56
Indicate point of appropriation and place of use, if possible.

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.....

1.2 months per year

Signature of Owner School Dist. No. 54
Ed. F. Ramsey
Date Oct. 30, 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.

3959

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

DEC 30 1963

Date

at 10:27 o'clock A. M.

J. L. LENNON

County Clerk and Recorder.

By [Signature]
Deputy.

20

STATE WATER CONSERVATION BOARD

File No.

T. 19N R. 5E

JUN 29 1966

County Cascade

DUPLICATE

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)

Billie B. And/or

Owner Barbara J. Slaughter Address Centerville, Mont.

Driller Pat Byrne Address Great Falls, Mont.

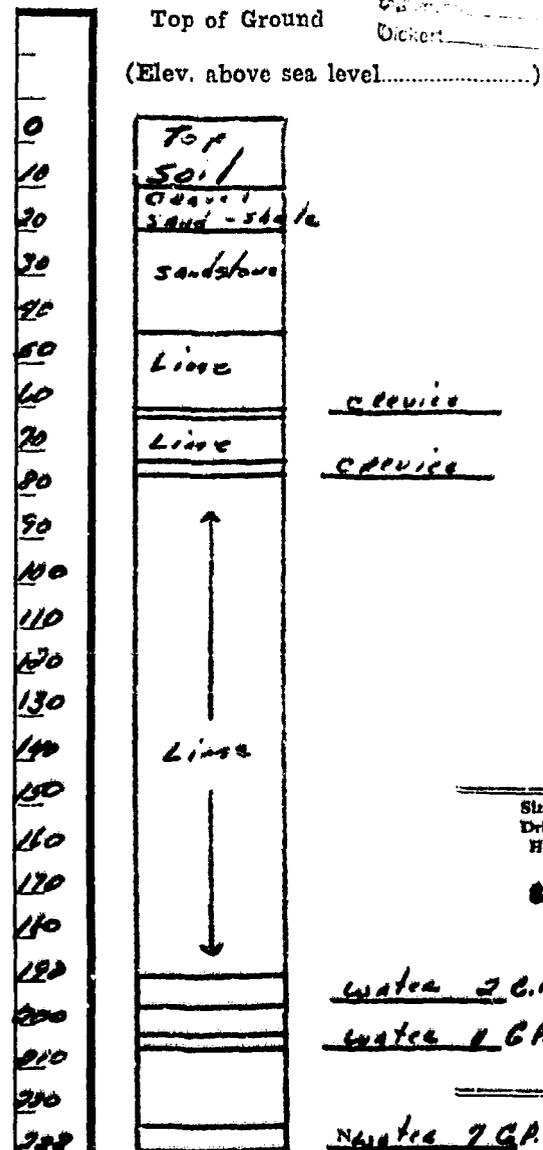
Date of Notice of Appropriation of Groundwater.....

Date well started 4-1-1966 Date Completed 4-20-1966

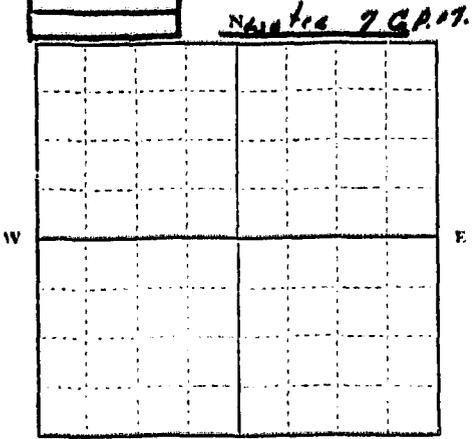
Type of well Drilled Equipment Used Churn drill
(dig, driven, bored or drilled) (Churn, drill, rotary or other)

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	8" 28#	0'	51' 6"	NOT PERFORATED		



Static Water Level for non-flowing Well 170' Below G.L. feet.

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

Pumping Water Level 225' feet at 10 gal. per minute.

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

How Tested Ballor Length of Test 1 Hour

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).....

135
Driller's License Number

Pat Byrne
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.

41183

4970

STATE OF MONTANA, }
County of Cascade, } s#:

I hereby certify that the within instrument was filed in this office on
JUN 28 1966

Date

at 10:16 o'clock A.M.

J. L. LENNON

County Clerk and Recorder:

By R. C. B. [Signature]
Deputy.

GW 3

File No.

T. 19 R. 5 E

DUPLICATE

County CASCADE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 9 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

DON I JOHNSON

Owner O. T. Johnson Address SAND Coulee

Contractor (if any) W. P. A.

Address of Contractor

Date Started 1939 Date Completed 1939

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring developed & cistern built for school, house, & stock use. Also well drilled to supplement supply.

UNABLE TO DETERMINE

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

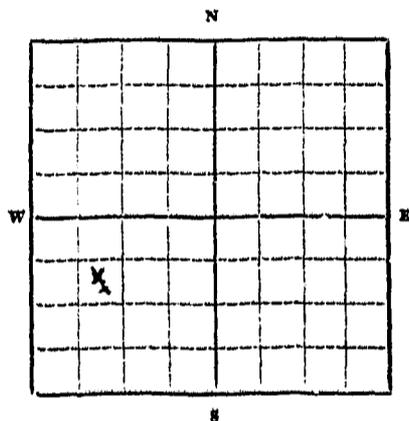
Spring developed & cistern built for school, house, & stock use. Also well drilled to supplement supply.

UNABLE TO DETERMINE

UNABLE TO DETERMINE

Signature of Owner O. T. Johnson & Don I. Johnson

Date DEC 26, 1963



3 E. 1/4 Sec. 20 T. 19 R. 5 E.
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.

4221

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on

DEC 31 1968
Date

at 8:25 o'clock AM.

J. L. LENNON
County Clerk and Recorder.

By J. J. O'Connell
Deputy.

File No.

T. 19N R 5E

DUPLICATE

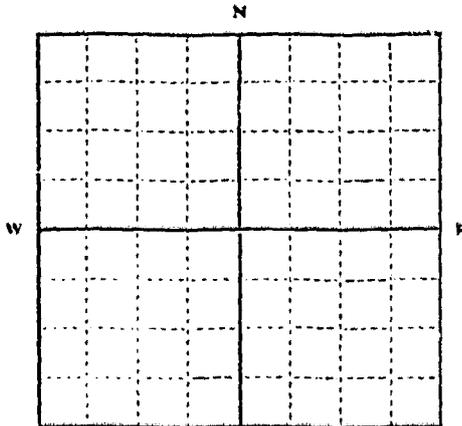
County *Cascade*

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 27 1963

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

1. *J. B. Long & Co, Inc.* of *Box 1498, Great Falls*
(Name of Appropriator) (Address) (Town)
County of *Cascade* 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. *irrigation; domestic use also as to spring A-1*
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. *see schedule attached*
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). *see schedule attached*
- 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. *see schedule and map attached*
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. *see item 3 on schedule attached*
- 8. The depth of water table. *Unknown*
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. *see schedule attached. Depth of wells unknown*
- 10. The estimated amount of groundwater withdrawn each year. *see schedule attached*
- 11. The log of formations encountered in the drilling of each well if available. *Not available*
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. *None known*

Signature of Owner *J. B. Long & Co, Inc.*
By David D. Johnston
Date *December 18, 1963*

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

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

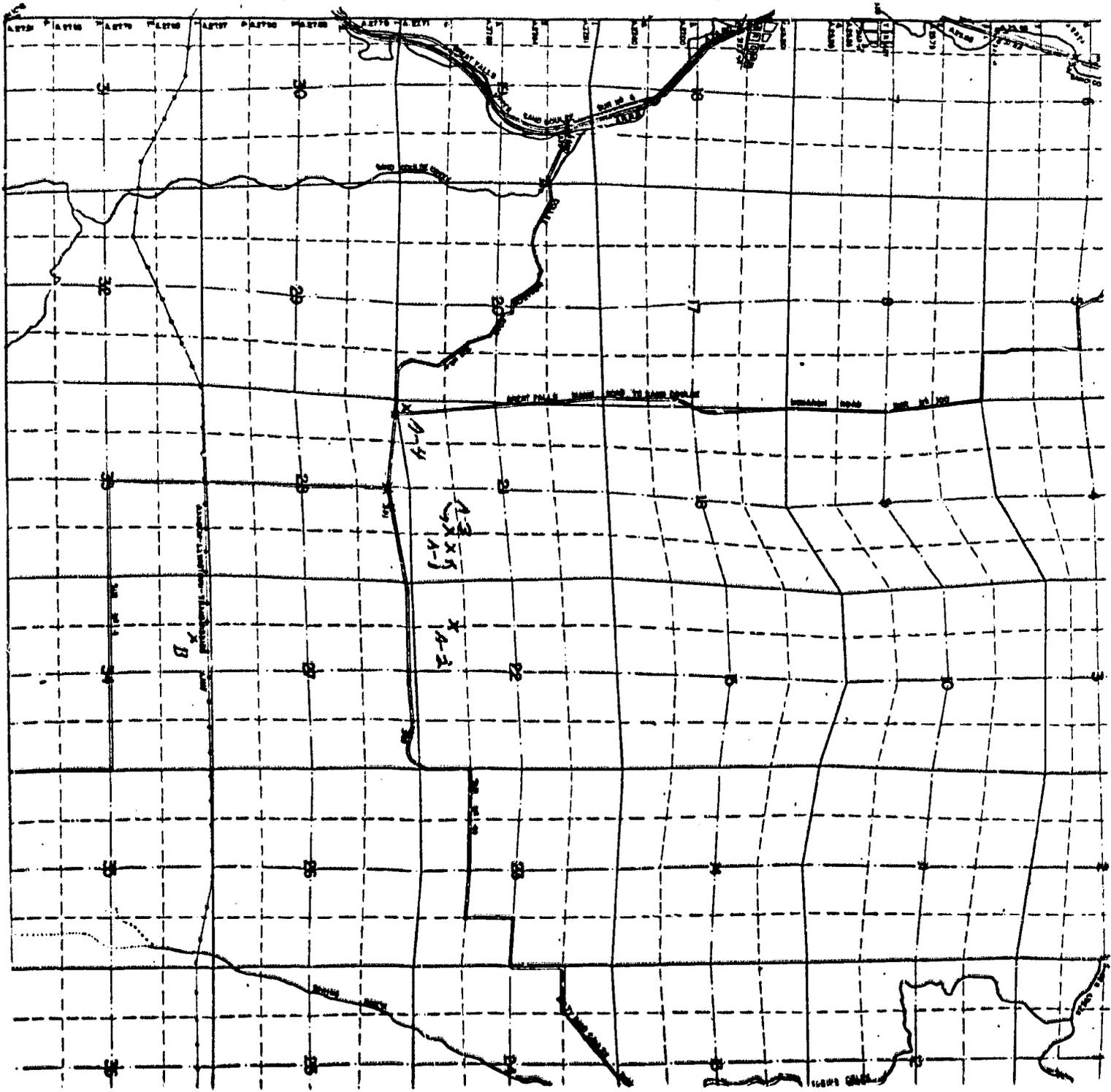
Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

T 19N, R 5E

<u>Development</u>	<u>3. Use</u>	<u>7. Water claimed</u>	<u>6. Location</u>	<u>9. Method</u>	<u>10. W. Use/amount for</u>
Spring A-1	since about 1870	Entire flow	SE 1/4, Sec. 21	Spring, by and pump	Water for 550 cows plus two horses
Spring A-2	since about 1870	Entire flow	SW 1/4, Sec. 22	Perennial	Water for 250 cows
Well A-3	About 1925	Section 10	SE 1/4, Sec. 21	Well & pump	" " " "
Well A-4	" "	" "	SW 1/4, Sec. 21	" "	Water for 300 cows
Spring B	since about 1870	Entire flow	NW 1/4, Sec. 31	Free flow	Water for 375 cows

Township Number 19 N.

Range Number 5 E.



3645

STATE OF MONTANA, }
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

1902 20 1002

Date

at 3:25 o'clock P. M.

J. L. LENNON

County Clerk and Recorder.

By B. B. Bui
Deputy.

23

File No.

T. 14 N. R. 5 E

DUPLICATE

County CASCADE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 22 1963

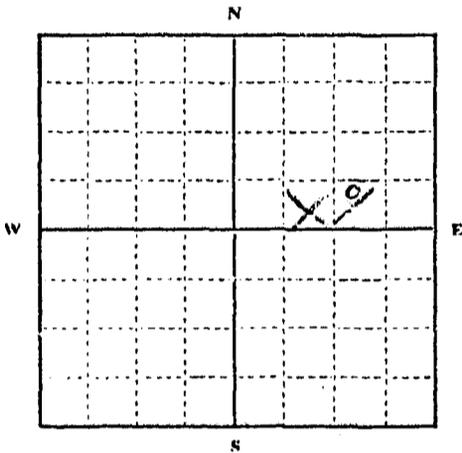
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. JACK and IRMA C. KOONTZ, of Box #191 BELT
(Name of Appropriator) (Address) (Town)

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



SE 1/4 NE Sec. 23, T. 14, R. 5 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... HOUSEHOLD
LAWN TREES GARDEN
STOCK WATER TANK

3. Date or approximate date of earliest beneficial use; and how continuous the use has been... 4-6-1919
CONTINUOUS SINCE THAT YEAR
A.D. 1919

4. The amount of groundwater claimed (in miner's inches or gallons per minute)... TWELVE HUNDRED G.P.M.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
SHELTER BELT LAWN AND
GARDEN ON PREMISES MARKED
ON PLAT

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater...
SUMMER AND FALL OF 1919

8. The depth of water table... SIXTY (60) 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...
SIX (6) INCH BORE TWO HUNDRED TWENTY FEET

10. The estimated amount of groundwater withdrawn each year... 200,000 GALS.

11. The log of formations encountered in the drilling of each well if available...
NO LOG AVAILABLE BUT SANDY ROCK SHALE, RED
SHALE AND LIMESTONE ENCOUNTERED ALL THE WAY
DOWN TO 20 FEET BELOW THAT 2 FT. COAL 3 FT. SAND 9 FT. COAL

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...
HAVE NO MORE INFORMATION

Signature of Owner: Irma C. Koontz

Date: 1-12-63

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.

41358

RECORDED & INDEXED

NOV 18 1963

3422

STATE OF MONTANA

CLERK OF DISTRICT COURT

3422

RECORDED

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on
NOV 18 1963

Date

at 10:00 o'clock A.M.

J. L. LENNON

County Clerk and Recorder.

By *[Signature]*
Deputy

File No.

T. R.

DUPLICATE

County

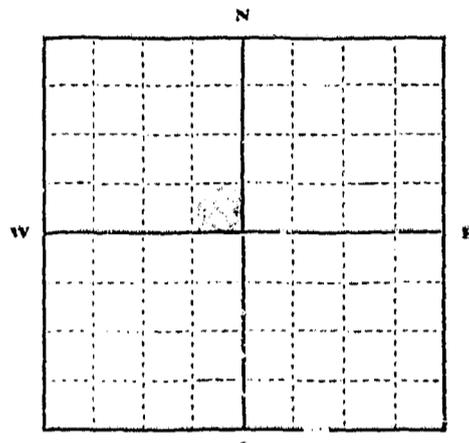
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 27 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER

I, Paul J. Koontz, of, of (Town)
(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.....
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
CONTINUOUS
4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
8. The depth of water table.....
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.....
10. The estimated amount of groundwater withdrawn each year 4.....
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 Paul J. Koontz
Date 12-19-63

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.

13000

3673

STATE OF MONTANA, }
County of Cascade. }

I hereby certify that the within in-
strument was filed in this office on

10/14/43 1943

Date

at 10:43 o'clock A.M.

J. E. LINDEN

County Clerk and Recorder

By [Signature]
Deputy

File No.

T. 11^N R. 2^E

DUPLICATE

County Cascade

SW

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
SEP 3 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

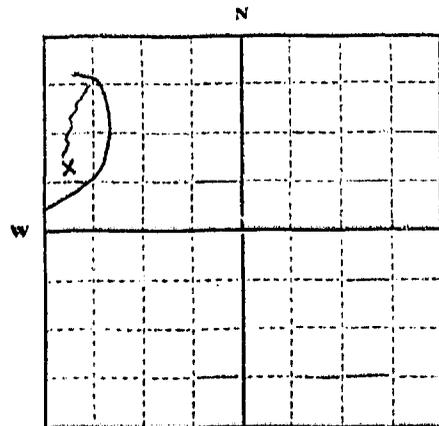
Date of Appropriation of Groundwater approximately 1948

Owner CARL A. HATTY Address Belt, Montana

Contractor (if any) none

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. Water from a spring located in the Southwest quarter of the Northwest quarter (SW $\frac{1}{4}$ NW $\frac{1}{4}$) of Section 25, Township 19 North, Range 5 East, Cascade County, Montana. This water flows into Spring Creek which flows into Box Elder Creek. When spring floods come, it subirrigates approximately 10 acres. Located in (SW $\frac{1}{4}$ NE $\frac{1}{4}$) (W $\frac{1}{2}$ SE $\frac{1}{4}$), SW $\frac{1}{4}$ and S $\frac{1}{2}$ NW $\frac{1}{4}$ of Section 25, Township 19 North, Range 5 East, Cascade County, Montana.

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

SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 25, Township 19 North, Range 5 East Cascade County, Montana
Indicate point of appropriation and place of use, if possible.

estimate approximate lengths of periods of use. Use is intermittent, principally through the summer months. Used for drinking water for self and family, and livestock, also irrigating approximately 20 acres.

constructed small rock dams for sub-irrigation and for watering cattle. Unable to measure in inches, but sufficient to irrigate approximately 20 acres.

Signature of Owner Carl A. Hatty

Date August 27, 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.

#3353

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on
AUG 28 1963

at 3:20 ^{Date} o'clock P M.

J. L. LENNON
County Clerk and Recorder.

By [Signature]
Deputy.

File No.

T. 19 N R. 5 E

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECORDED
JAN 9 1964
STATE ENGINEER

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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Dec 30 1963

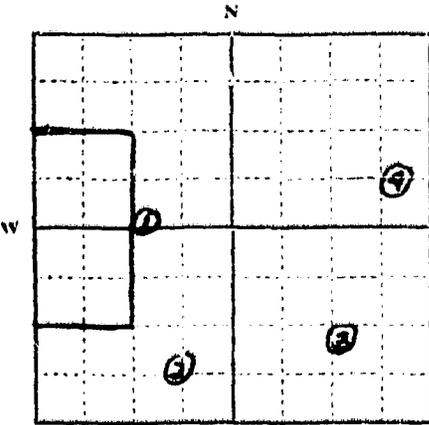
Owner Clifford C. Hayden Address Stockett

Contractor (if any) (2 & 3 self) (4) Per 1956

Address of Contractor

Date Started Sept 1, 1963 Date Completed Nov 1, 1963

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



- ① Dug out D&M Down 3' To water
- ② down 3' To water (collection basin piped to trough)
- ③ " 6' " " (" " " ")
- ④ surface water piped To trough

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

estimate approximate lengths of periods of use.....

- ① 5 gal per minute Estimated (summer use)
- ② 8 gal " " (measured with bucket) summer use
- ③ 7 " " " (" " ") " "
- ④ 20 " " " (" " ") year around

Signature of Owner Clifford C. Hayden

Date Dec 30, 1963

..... 1/4 Sec. 29 T. 19 N R. 5 E.
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.

4099

ORDER

DEC

1112 P

BY ROTT DEPUTY

GWS

File No.

T. 17 R. 56

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECORDED
JAN 9 1964

Notice of Completion of Groundwater Appropriation Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner ^{OTTO E JOHNSON} Dan L. Johnson Address SAND GAULEE

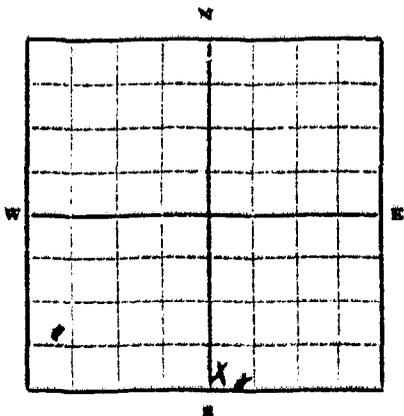
Contractor (if any)

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. 2 SMALL NATURAL SPRINGS

UN ABLE TO DETERMINE



S.E. 1/4 S.W. Sec. 30. T. 17. R. 56

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

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

2 NATURAL SPRINGS FOR STOCK WATER

UN ABLE TO DETERMINE

Signature of Owner Otto E. Johnson

Date Dec 26, 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.

4218

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on
DEC 31 1963

at 8:22^{Date} o'clock AM

J. E. LENNON
County Clerk and Recorder

By J. J. Johnson
Deputy.

GW 5

File No.

T. 19 R. 10

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 9 1964

Notice of Completion of Groundwater Appropriation Without Well ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

OTTO E Johnson

Owner Don L Johnson Address SARD Gulch

Contractor (if any) 1/2 INTEREST IN NATURAL FLOW

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.

NATURAL Spring Flow

UNABLE TO DETERMINE

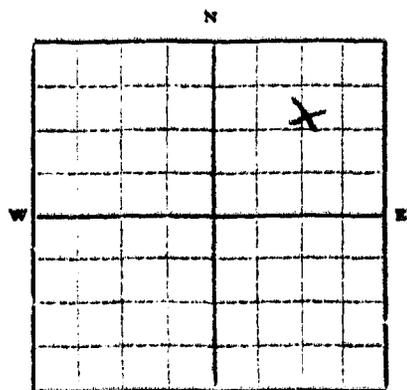
Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use

NATURAL Spring Flow

UNABLE TO DETERMINE

Signature of Owner Otto E Johnson

Date Dec 26, 1963



SW 1/4 NE 31 T. 19 R. 10E

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.

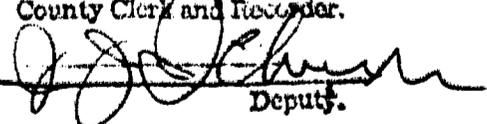
4223

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on
_____ DEC 31 1963

at 8:27 ^{Date} b'clock AM

J. L. LENNON
County Clerk and Recorder.

By  Deputy.

File No.

T. 17 R. 5 E

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 9 1964

Notice of Completion of Groundwater Appropriation
Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater..... 1958

Owner Tony V. Smerker Address Belt

Contractor (if any)

Address of Contractor

Date Started August 1960 Date Completed September 1960

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Fractured spring flows into trench and then into a reservoir. Reservoir is ten feet deep

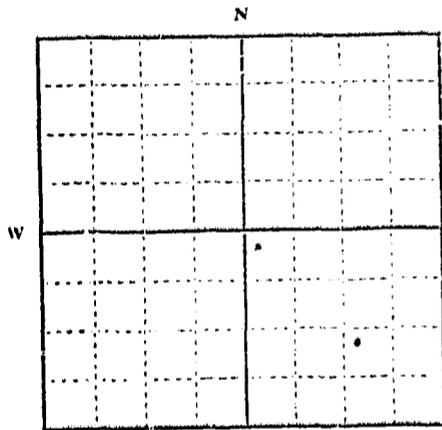
Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.....

Five Month

Signature of Owner.....

Date December 28, 1963



NW 1/4 NW 1/4 SE 1/4 Sec. 31 T. 17 R. 5 E

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 Quaduplicate for the Appropriator.

28393

4400

CLERK AND RECORDER
CASSIUS COUNTY, MONTANA
I HEREBY CERTIFY THAT THE WITHIN
INSTRUMENT WAS FILED FOR RECORD
IN THIS OFFICE ON **DEC 31 1953**
AT 12:31 P
AND DULY RECORDED AS DOCUMENT
NO. _____
J. L. LENNON
CLERK AND RECORDER
BY [Signature]
DEPUTY

File No.....

T 19 N R 5 E

DUPLICATE

County Coe Code

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 9 1964

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Dec 30, 1963

Owner Clifford C. Hays Address Stockett

Contractor (if any) SELF

Address of Contractor

Date Started May 1, 1960 Date Completed June 1, 1960

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

Water down 2'. Collection box
piped to trays

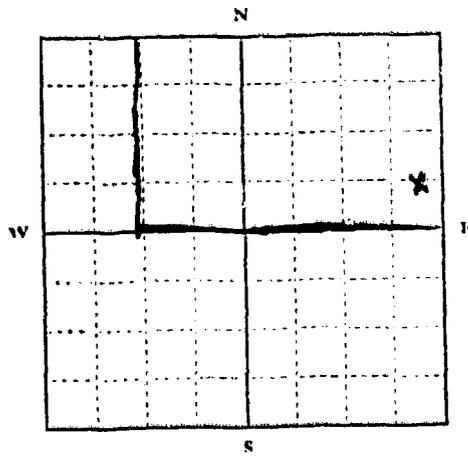
Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.....

15 gal per minute measured with
bucket (used in summer and fall
months).

Signature of Owner Clifford C. Hays

Date Dec 30, 1963



1/4 Sec. 32 T19N R5E

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.

4061

DEC 20
1114 P
H. C. Nichols

File No.

T. 19 R. 5E

DUPLICATE

County. CASCADE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 9 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater..... 1958

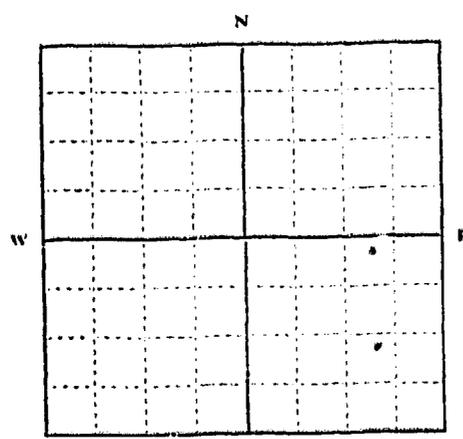
Owner Tony V. Smerker Address Belt

Contractor (if any)

Address of Contractor

Date Started August 1960 Date Completed Sept 1960

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



NE^{PT} NE 1/4 SE⁴ Sec 30 T. 19 R. 5E

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

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.....

FIVE Month

Signature of Owner.....

Date December 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.

4399

CLERK AND RECORDER
CASCADE COUNTY, MONTANA
I HEREBY CERTIFY THAT THE WITHIN
INSTRUMENT WAS FILED FOR RECORD
IN THIS OFFICE ON **DEC 31**

AT 12:30 P.
AND FULLY RECORDED AS DOCUMENT

NO. _____
J. L. LENNON
CLERK AND RECORDER
BY [Signature]
DEPUTY

File No.

T. 19N R. 5E
County Cascade

DUPLICATE

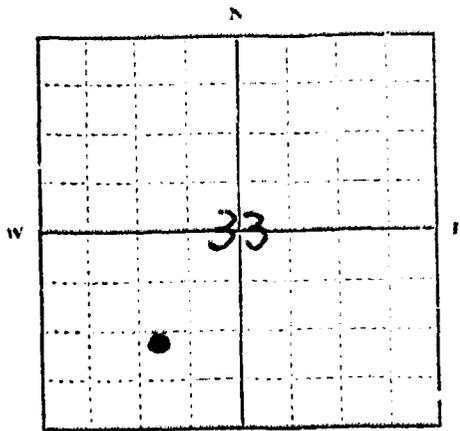
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 9 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1920
Owner William F. Mundt Address Start Street Mont.
Contractor (if any) none
Address of Contractor _____
Date Started 1920 Date Completed 1920



SE 1/4 SW Sec. 33 T. 19N R. 5E

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

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. natural flowing spring dug out and lined with stone & wood

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. estimate 2 gal per min. used for household and livestock use

Signature of Owner William F. Mundt
Date Dec 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.

4381

CLERK AND RECORDER
CASCADE COUNTY, MONTANA
I HEREBY CERTIFY THAT THE WITHIN
INSTRUMENT WAS FILED FOR RECORD
IN THIS OFFICE ON

DEC 31 1968
AT 1206
AND DULY RECORDED AS DOCUMENT

NO. _____
J. L. LENNON
CLERK AND RECORDER

BY *J. L. Lennon*

County CascadeTwp. 19NRge. 6E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	Gray, Raymond W.	GW-4	Misc. 3098	
4	Darka, Michael & Charita M.	4	3426	
4	Enger, Bernard F.	2	5227	
4	" "	4	4669	
4	" "	4	4670	
5	Goodhart, Everett D. & Roberta D.	4	3786	
5	Nebel, Clyde L. & Joan S.	2	3401	
10	Gilfeather, P. S. & Margaret L.	4	3578	
10	" " "	4	3579	
11	Huber, George J. et al	4	3715	
11	Huber, George J. & Susan	4	3479	
12	Gray, Elmer W. & Raymond W.	3	3099	
12	Gray, Raymond W.	4	3100	
12	Huber, George J. et al	4	3704	
12	" , William & Salama E.	3	3702	
12	Huber, George J. et al	3	3703	
12	McCann, John Robert	3	3525	
13	Browning, Wm. F. & M. H. Jr.	3	41632	
14	Huber, George J. & Susan M.	4	3480	
14	" " " "	3	3482	
14	Serimaki, John & Ruth	2	3681	
16	Fluhr, Mae	3	4339	
20	Baron, Andy	4	4019	
20	Thompson, William J.	4	4259	
20	" "	3	4260	
21	Baron, Andy	3	4020	
22	Arps, Robert H. & Margaret	4	3906	
22	" " " "	4	3907	
23	Castner, Annie	4	4590	
23	Fluhr, Mae	3	4338	
23	Henderson, Arthur A.	4	3726	
23	" " " "	3	3727	
23	Huber, George J. & Susan M.	3	4004	
23	Lake, Lloyd M.	4	3728	
23	Kerala, Aili A.	2	5321	
23	" , Edward	2	4361	
23	Thompson, Thomas Allen	4	3777	
23	Ward, Jack	2	5639	
24	Stadler, William C.	4	4248	
24	" "	4	4249	
25	Pilgeram, Hazel De Raye	3	3912	
25	Soderholm, W. C.	4	4208	
25	" "	4	4209	
26	Anderson, Wayne F.	2	5121	
26	Belt, City of	4	4082	

GW

File No.

T. R.

DUPLICATE

County.

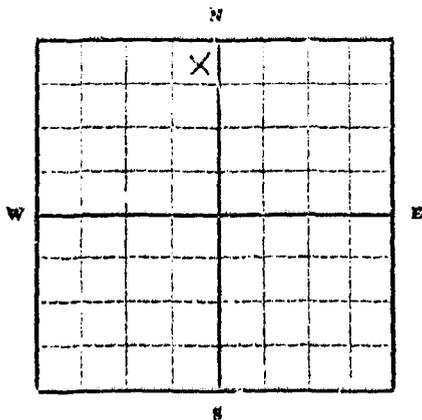
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, Raymond W. Gray, of Belt,
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NE Sec. 1 T 19 R 6

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

- The beneficial use on which the claim is based stock water
- Date or approximate date of earliest beneficial use; and how continuous the use has been First used about 1915. Used continuously for about 10 years. Used during summer season 1947.
- The amount of groundwater claimed (in miner's inches or gallons per minute) 35-40 gal @ min. is near maximum capacity of well during time of use.
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal engine driven centrifugal pump
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Original well dug about 1915. Enlarged and deepened Apr. 1947.
- The depth of water table Slight seepage at three feet, increasing with depth.
- 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 Five square dug well. Fifteen feet deep.
- The estimated amount of groundwater withdrawn each year 60,000 to 70,000 gal.
- The log of formations encountered in the drilling of each well if available hard sandstone in layers
- Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Raymond W. Gray

Date April 19, 1962

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

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

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

Misc # 3098

608565

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

APR 24 1962
Date

at 12:10 o'clock P.M.

J. L. LEBNON
County Clerk and Recorder.

By [Signature]
Deputy.