

File No. B-1102

T. 11 N R. 19 E

DUPLICATE

County of Golden Valley

2 wells

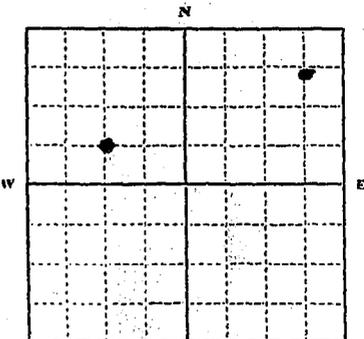
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 6 1964
STATE ENGINEER

1. Guy R. Webber, of Ryegate (Address) Ryegate (Town)
(Name of Appropriator)
County of Golden Valley State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NW 1/4 one spring well
NE 1/4 NE 1/4 one spring well
XXXX 1/4 Sec 19 T. 11 N. R. 19 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.....
Stock watering
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
estimate spring 1946
May 1 through October each year continuously
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
both wells 25 gpm each
- 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.....
windpump in both wells

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
not available

8. The depth of water table.....
about 15 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.....
standard construction

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 The estimated amount of groundwater withdrawn each year.....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

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 Guy R. Webber

Date Dec 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.

53904

File	"B"
No.	1147
Indexed	<input checked="" type="checkbox"/>
By	<i>WLN</i>

State of Montana, }
Golden Valley County, } SS.

Filed this 31 day of

Dec A. D. 1963

at 4:00 o'clock P.M.

Elizabeth M. Sandberg
County Recorder.

Hera L. Martin
Deputy.

29
30

File No. B-1103

T 11 N R 19 E

DUPLICATE

County of Golden Valley

3 wells

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

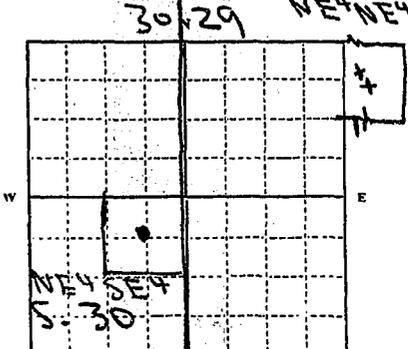
RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Guy R. Webber, of Ryegate
(Name of Appropriator) (Address) (Town)

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



1 well in NE 1/4 SE 1/4 of sec. 30
2 wells in NE 1/4 NE 1/4 of sec. 29
1/4 Sec. T 11 N R 19 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.
Sec. 30 well stock watering
Sec. 29 2 wells stockwatering and domestic
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
estimate spring 1946 continuous use
year around since then
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) all 3 wells 25 gpm each
- 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 pumps

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater not available

8. The depth of water table all 3 wells around 8 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater standard construction

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

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 Guy R. Webber

Date 12-20-63

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.

23851

File No. 1103
Indexed ✓
By: *[Signature]*

53905

State of Montana, } SS
Golden Valley County, }
Filed this 31 day of
Dec A. D. 1963
at 4:05 o'clock P. M.
Elizabeth M. Stanley
County Recorder.
Gene L. Martin
Deputy.

GW2

File No. B-798

T. 11. R. 20

DUPLICATE

County Golden Valley

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)

RECEIVED
STATE ENGINEER

Top of Ground
(Elev. above sea level 5200)

0 Red shale

20 Brown sand rock

25 yellow sand rock

36 Hard rock

39 Hard red shale

45 Bentonite & red shale

83 Tan shale

92 Soft red shale

108 red sand rock

110 yellow sand rock

114 Blue shale

Owner Kenneth Lewis Address Laramie, Mont.

Driller Don Strand Address Grandep, Mont.

Date of Notice of Appropriation of Groundwater

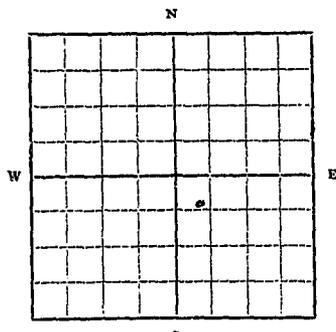
Date well started 4-21-62 Date Completed 5-5-62

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

Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 3/4"	2090 gal.	28	117	Factory made slots	93	114
7"	28th conductor Pipe	0	30			



SE 1/4 Sec. 34 T. 11. R. 20
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

117 Show exact depth of bottom.

Static Water Level for non-flowing Well 48 ft from top feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 60 feet at 2 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bail Length of Test 30 min.

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

Gravel packed around outside of casing

Applied for Driller's License Number

Don Strand 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.

Form No. 18
8-60

2

T. 10 R. 19 E

County Golden Valley

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
APR 28 1961

STATE ENGINEER

WATER WELL LOG

Owner Erwin Allen Address Regate Mont.
 Driller Joe Pivni Address Shawmut Mont.
 Date Started April 5 61 Date Completed April 7 61
 Location: Sec. 2 T. 10 R. 19 E $\frac{1}{4}$ sec. N-E

Type of well drilled Equipment used coll. tool.
(Dig, driven, bored, or drilled) (Chain, drill, rotary, other)

Water use: Domestic Municipal Stock Irrigation
 Industrial Drainage Other _____

Casing: 0 ft. to 61 ft. Type galv. tin Size 6 O.D.

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

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

Perforated or Screened: Ft. 16 to ft. 19 Ft. 47 to ft. 50

Type of screen or perforations 1 X 1/8 slots

Static Water level, for non-flowing well: 17 feet feet.

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

Pumping water level 7 1/2 feet at 8 gal. per min.

How tested: bailey on drill machine

Length of test until flow was steady

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
equip. with hand lift & electric motor

(over)

File No. 1100

T. 10 N. R. 19 E

DUPLICATE

County Golden Valley

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

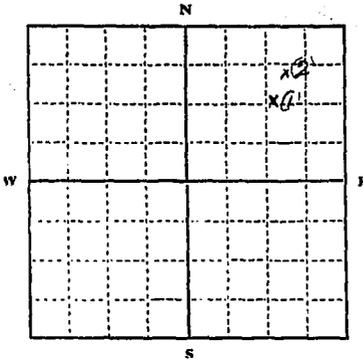
RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Irwin C. Allen, of Pyegot
(Name of Appropriator) (Address) (Town)

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



N.E. 1/4 Sec. 2 T. 10. R. 19 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 stock and house water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been April 1961
continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) well no. 1, 10 gallons per minute
well no. 2, 5 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.
none irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal well no. 1
pump truck and engine
well no. 2, jet pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April 6, 1961
April 12, 1961 completed approximately

8. The depth of water table well no. 1, 35 ft well 2, 25 approximately

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
well no. 1, 50' galvanized 6" casing
well no. 2, 50' galvanized 6" casing

10. The estimated amount of groundwater withdrawn each year 250,000 gallons from both wells

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

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

Signature of Owner Irwin C. Allen

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.

23848

File "B"
No. 1100
Indexed
By *SM*

53902

State of Montana } SS.
Golden Valley County, }
Filed this 31 day of
Dec. A. D. 1963
at 3:55 o'clock P.M.

Elizabeth M. Traub
County Recorder
Hera L. Martin
County

FILED IN 53-4-1-63
RECORDED BY 101-10-1-63
INDEXED BY 101-10-1-63

GW 2

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

File No. B-1216

MONTANA WATER RESOURCES BOARD

T. 20 R. 19
County Golden Valley

DUPLICATE

RECEIVED

LOG

AUG 30 1967

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

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Rudolph Wagon Address Payette Mont

Driller Albert H. Cook Address 14 Lakewood Dr. Mont

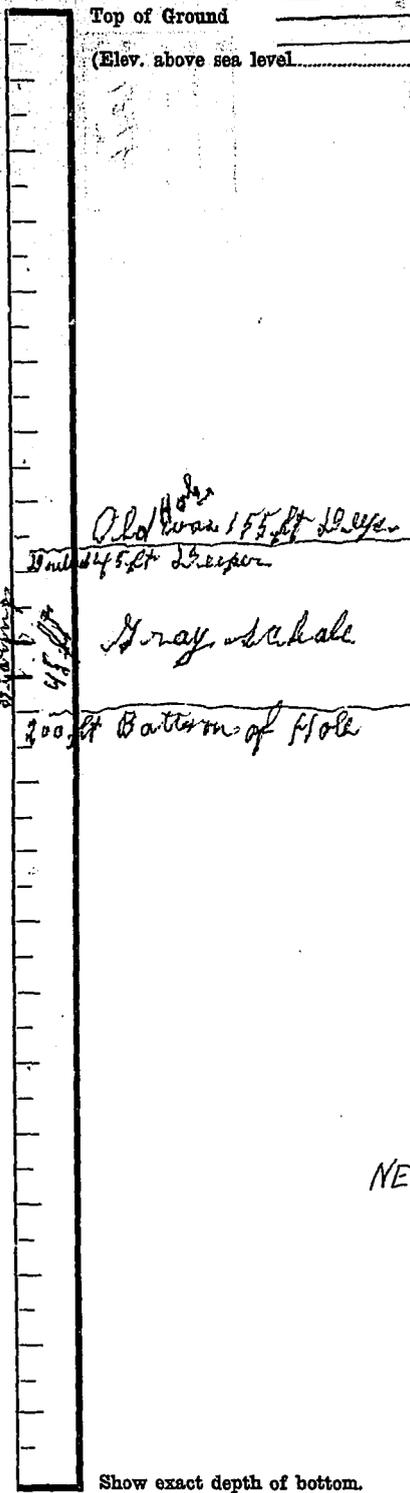
Date of Notice of appropriation of groundwater _____

Date well started 7/6 Date completed 7/7

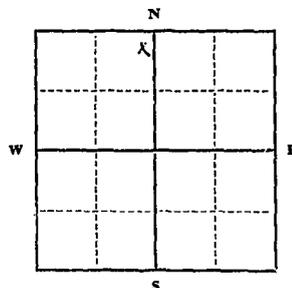
Type of well Drilled Equipment used Public Tool
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

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)
4 1/2"	5 1/2" Jumbo casing 2 1/2 lb/ft	155	200	3 x 4 slots	180	200



Static Water Level for non-flowing well 136 feet.
Shut-in Pressure for Flowing Well _____ feet
Pumping Water Level 150 feet
at 2 gal. per minute.
Discharge in gal. per min. of flowing well _____

How Tested Balance
Length of Test 2 hours
Remarks: (Gravel packing, cementing, packers, type of shutoff) _____

NE 1/4 Sec. 7 T. 10N R. 19E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

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

Show exact depth of bottom.

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

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

1114
Driller's License Number
Albert H. Cook
Driller's Signature

42,250

56101

File	"B"
No.	1216
Indexed
By

State of Montana, } SS.
 Golden Valley County, }

Filed this 29 day of Aug
 at 9:20 o'clock A.M.
[Signature]
 County Recorder.

Fee \$2.00 [Signature]

Free will donation of land 1887-1888

GW 2

File No. B 1215

DUPLICATE

MONTANA WATER RESOURCES BOARD

RECEIVED

AUG 30 1967

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

T. 10

R. 19

County Golden Valley

LOG

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

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Rudolph Veyan Address Big Lake, Mont

Driller Albert Frank Address Helena, Mont

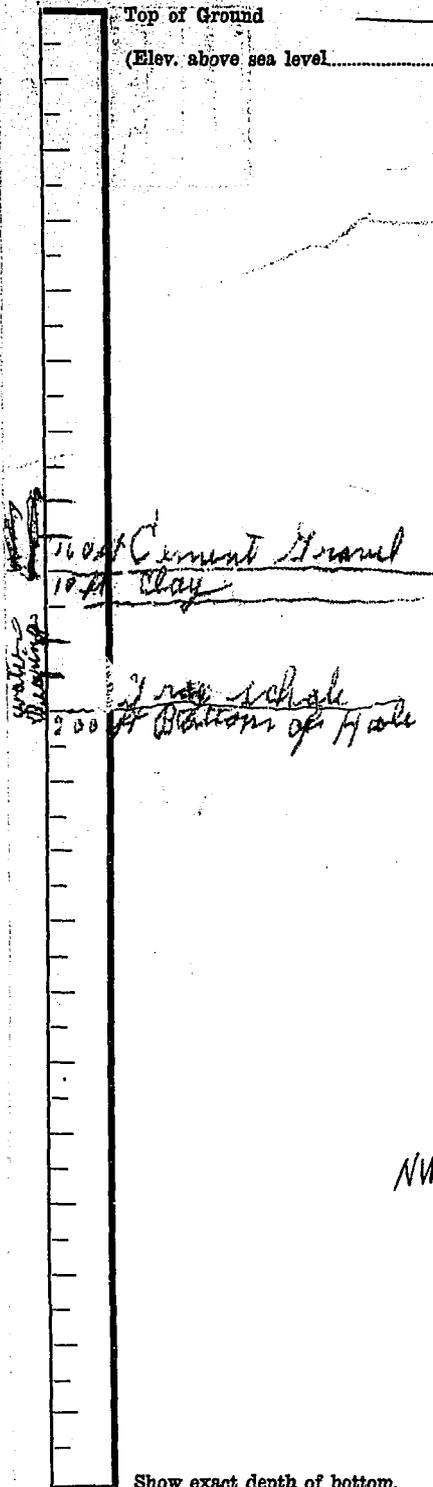
Date of Notice of appropriation of groundwater.....

Date well started 7/14 Date completed 7/25

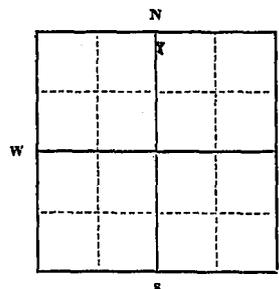
Type of well Drilled Equipment used Cable Tool
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

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)
<u>7 1/2"</u>	<u>10 3/4" 13 lb ft</u>	<u>0</u>	<u>181</u>	<u>2 1/4"</u>	<u>160</u>	<u>181</u>



Static Water Level for non-flowing well 160 feet.

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

Pumping Water Level 160 feet at 5 gal. per minute.

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

How Tested Balance

Length of Test 2 hours

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

NW 1/4 Sec. 8 T. 10N. R. 19E

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

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

114
Driller's License Number

Albert Frank
Driller's Signature

42,249

96100

File	"B"
No.	7215
Indexed	
By	

RECORDED & INDEXED

AUG 10 1967

State of Montana, }
Golden Valley County, } SS

Filed this 29 day of

Aug A. D. 1967

at 9:30 P.M.

[Signature]
County Recorder

Deputy

I hereby certify that the within and foregoing is a true and correct copy of the original as the same appears from the records of the County Recorder of Golden Valley County, Montana, this 29th day of August, 1967.
 County Recorder
 Deputy

Form No. 18
8-60

RECEIVED
NOV 12 1961

T. 10 R. 19E
County Gallatin Valley

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Irwin Allen Address Pyrgate, Mont.
Driller Gas Pirou Address Shawmut, Mont.
Date Started Oct 28, 1961 Date Completed Nov 3, 1961
Location: Sec. 11 T. 10 R. 19E $\frac{1}{4}$ sec. NW

Type of well drilled Equipment used cable tool
(dug, driven, bored, or drilled) (churn, drill, rotary, other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: 0 ft. to 30 ft. Type iron Size 7" OD

Casing: 82 ft. to 97 ft. Type galv tin Size 6" OD

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

Perforated or Screened: Ft. 74 to ft. 80. Ft. 89 to ft. 92

Type of screen or perforations 1" x 1/2" slots

Static Water level, for non-flowing well: 49 feet.

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

Pumping water level 84 feet at 4 gal. per min.

How tested: back on machine

Length of test until pumped down to steady flow.

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

(over)

File No. B-1098

T. 10 R. 19 E

DUPLICATE

County Garden Valley

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

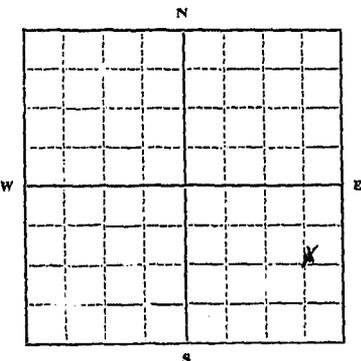
RECEIVED
JAN 8 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Irwin C. Allen of Pyramid
(Name of Appropriator) (Address)
County of Garden Valley State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 24 T. 10. R. 19 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. Stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Not applicable

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Wind mill or pump jack and located S.E. 1/4 of S. 24, T. 10, R. 19 E

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. not applicable

8. The depth of water table. not applicable

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 applicable

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

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

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

Signature of Owner Irwin C. Allen

Date December 30, 1963

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

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

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

23846

53900

File	"E"
No.	1098
Indexed	-
By	Th

State of Montana, } SS.
Golden Valley County, }
Filed this 31 day of
Dec A. D. 1963
at 3:50 o'clock P.M.
Elizabeth M. Stanley
County Recorder
Helen L. Martin

RECEIVED
SEP 16 1960

T. 10 R. 20E 2

County Golden Valley

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Kenneth Lewis Address Lavina, Montana

Driller Gordon Scammon Address Roundup, Montana

Date Started March 30, 1960 Date Completed April 20, 1960

Location: Sec. 2 T. 10 R. 20 1/4 sec. SW 1/4

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

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

Casing: 0 ft. to 80 ft. Type Steel 1" Thick Size 8"

Casing: 80 ft. to 210 ft. Type Galvanized Steel Size 6"

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: _____ 50 feet.

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

Pumping water level 50 feet at _____ gal. per min.

How tested: By drill baler

Length of test 20 Min

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

(over)

GW

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

File No. E-1161

T. 10 R. 20 E

DUPLICATE

County Golden Valley

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

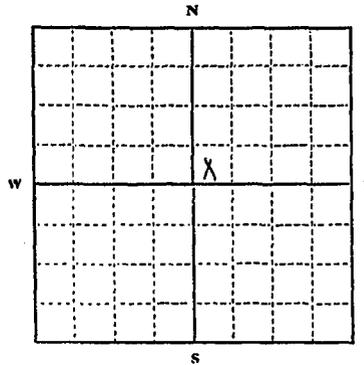
RECEIVED
JAN 6 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, Lawin C Allen, of Pyrgate
(Name of Appropriator) (Address) (Town)
County of Golden Valley State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 6 T. 10 R. 20 E

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 1945 approximately used about ten months each year
- The amount of groundwater claimed (in miner's inches or gallons per minute) Thirty five gallons per minute
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof non irrigation
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Wind mill on pump jack and engine NE 1/4, S 6 T. 10, R. 19 E
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater not applicable
- The depth of water table 25 ft
- 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 applicable
- The estimated amount of groundwater withdrawn each year not applicable
- The log of formations encountered in the drilling of each well if available not applicable
- Such other information of a similar nature as may be used to carry out the policy of this act, including reference to book and page of any county record not applicable

Signature of Owner Lawin C Allen

Date December 30, 1962

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

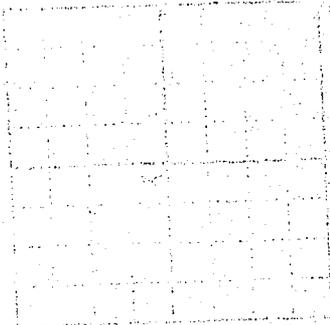
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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

23849

File "3"
No. 1101
Indexed
By *th*

53903



State of Michigan, }
Golden Valley County, } SS.
Filed this 31 day of
Dec A. D. 1963

at 3:57 o'clock PM.

Elizabeth M. Franley
County Recorder.

Wes L. Martin
Deputy.

RECEIVED
MAY 16 1960

T. 10N 10W R. 20E 24E 11

County Golden Valley

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

	27	

Owner M. C. Lewis Address Lavina, Montana

Driller Gordon Scammon Address Roundup, Montana

Date Started March 24, 1960 Date Completed March 25, 1960

Location: Sec. 11. T. 10N R. 20E 1/4 sec. SE 1/2

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other:

Casing: 51 ft. to ft. Type Galvanized Steel Size 6"

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: 121 feet

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

Pumping water level: feet at gal. per min. 18

How tested: With drilling baler and by pumping 4 hours

Length of test: 30 Min

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

(over)

RECEIVED
SEP 18 1960

T. 10N R. 20E
County Golden Valley

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Minnie C Lewis Address Lavina, Montana
Driller Gordon Scammon Address Roundup, Montana
Date Started March 26, 1960 Date Completed March 27, 1960
Location: Sec. 11 T. 10N R. 20E ¼ sec. SE ¼

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

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

Casing: 42 ft. to _____ ft. Type Galvanized steel Size 6"

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: _____ 10 feet.

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

Pumping water level: _____ 10 feet at _____ 15 gal. per min.

How tested: Drilling Rig Palar

Length of test: 30 min

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

GW

File No. B-1099

T. 10 N R. 20 E

DUPLICATE

County Golden Valley

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

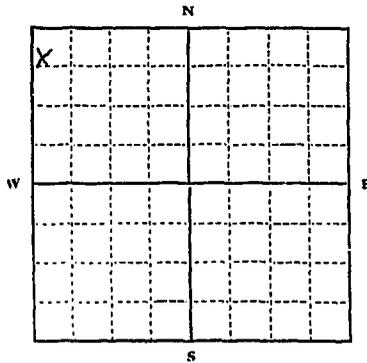
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Irwin C. Allen, of Bygate
(Name of Appropriator) (Address) (Town)

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



N.W. 1/4 Sec. 17 T. 10 N R. 20 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 stock water

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2.5 gallons per minute

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. not applicable

8. The depth of water table. not applicable

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 applicable

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

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

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

Signature of Owner Irwin C. Allen
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.

23847

Form No. 18
8-60

17

T. 10 R. 20

County Golden Valley

RECEIVED

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Forest Allen Address Pyegate, Mont.

Driller Joe Pinner Address Shoeman, Mont.

Date Started Oct 20, 1961 Date Completed Oct 27, 1961

Location: Sec. 17 T. 10 R. 20 $\frac{1}{4}$ sec. NE

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: 0 ft. to 60 ft. Type st. iron Size 7" O.D.

Casing: 55 ft. to 138 ft. Type galv. iron Size 5" O.D.

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

Perforated or Screened: Ft. 81 to ft. 84. Ft. 94 to ft. 97-98 to 101

Type of screen or perforations 1 1/2" slots

Static Water level, for non-flowing well: 67 feet.

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

Pumping water level 85 feet at 5 gal. per min.

How tested: Widener on machine

Length of test until pumped down to steady flow

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

ten overlaps iron 5 feet

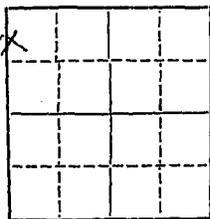
(over)

RECEIVED
SEP 13 1957

T. 10 N. R. 20 E 21
County Golden Valley

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Henderson Ranch Address Pryor Gate Mont

Driller Same Address

Date Started Date Completed Sept 9 1957

Location: Sec. 21 T. 10 N. R. 20 E 1/4 sec. NW 1/4 NW 1/4

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other:

Casing: 0 ft. to 128 ft. Type 6 in Size Galvanized

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 94 to ft. 105 Ft. to ft.

Type of screen or perforations punched

Static Water level, for non-flowing well: 53 feet.

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

Pumping water level: 60 feet at 4 gal. per min.

How tested: Engine drive Water pump

Length of test: 24 Hours

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

Gravel packing Clay on surface.

(over)

RECEIVED
AUG 9 1966

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 10 N R. 20 E 21
County Golden Valley

WATER WELL LOG

10 N

	21	

Owner Henderson Ranch Address Ryegate Mont
 Driller Gillen Drilling Co. Address Hartington Mont
 Date Started 7-25-60 Date Completed 7-29-60
 Location: Sec. 21 T. 10 N R. 20 E 1/4 sec. SE 1/4 SW 1/4

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

Water use: Domestic Municipal Stock Irrigation
 Industrial Drainage Other:

Casing: 0 ft. to 41 ft. Type Steel Size 7 in
 Casing: 40 ft. to 124 ft. Type Steel Liner Size 6 in
 Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 65 ft to ft. 98 Ft. to ft.

Type of screen or perforations: punched

Static Water level, for non-flowing well: 33 ft. from top

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

Pumping water level: 33 feet at 20 gal. per min.

How tested: Boiler on rig also put in pump and engine.

Length of test: Made 20 gal per min. for 24 hrs. did not lower water

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	25	Gravel
25	41	yellow shale and Gravel
41	50	Dark Blue Shale
50	58	Gray Shale
58	65	Gray Shale
65	85	Gray Shale --- Little Sand (water)
85	98	Dark Gray Shale
98	124	Dark Blue Sticky Shale

took 20 gal. per min. out at 50 ft

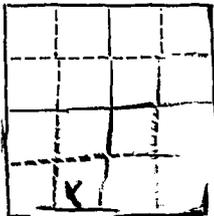
could not lower the water

RECEIVED
SEP 16 1957

T. 10 N R. 20 E ²²
County Golden Valley

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Henderson Ranch Address Ryegeata

Driller None Address _____

Date Started _____ Date Completed 1946

Loc. sec. 5 " 10 N R. 20 E 1/4 sec. SE 1/4 SW 1/4

Type of well _____ Equipment used other
(Churn drill, rotary, other)

Water: Domestic Municipal Stock Irrigation

L. Drainage Other: _____

Casing: None ft. to _____ ft. Type _____ Size _____

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: 7 feet.

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

Pumping water level 12 feet at 3 gal. per min.

How tested: Electric Pump

Length of test 24 hours

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

(over)

T. 10 R. 20 22
County Tolson Valley

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

RECEIVED
JUL 11 1961

Owner Henderson Ranch Address STATE ENGINEER
Driller Gillen Drilling Address Helena Mont
Date Started Jan 1961 Date Completed Jan 1961
Location: Sec. 22 T. 10 R. 20 ¼ sec. SW ¼ SE ¼

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

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

Casing: 8 in ft. to 40 ft. Type _____ Size _____
Casing: 24 ft. to 142 ft. Type Steel Casing Size 6 in Galvanized
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: 24 feet.

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

Pumping water level: 30 feet at 24 gal. per min.

How tested: Myers Jet Pump

Length of test: March until July

R. marks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

I am sure of amount of water coming from well, but question the log on the back side of this sheet

(over) JGP

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	5	Gravel
5	21	Yellow Lumps
21	114	Gray Slabby Shale
114	132	Gray Shale and sand
132	142	Gray Sticky Shale

Got a little water around 15 ft
 Water flows at 120 ft. Comes 12 ft
 from top. Hole cased to bottom
 with 6" casing. Bailed 20 P.M.
 at 18 ft. Bailed 30 P.M.
 Lowered to 21 ft and stayed there.

GW 3

File No. B-968

T 10 N R 20 E

DUPLICATE

County Golden Valley

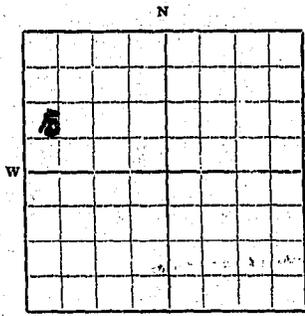
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1928
Owner Jack H. & Edgar E. Lewis Address Lavina, Mont.
Contractor (if any) None
Address of Contractor Not Applicable
Date Started Summer 1928 Date Completed Summer 1928



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Water was obtained by digging out and putting a box in spring, and piping it into a tank.

NW 1/4 Sec. 22 T. 10 N R. 20 E

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 From 2 to 5 gallons per minute, depending on year and season. Flow was measured using a gallon bucket.

Signature of Owner Jack H. Lewis & Edgar E. Lewis
Date 12-21-63

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.

2374

GW3

File No. B-966

DUPLICATE

T. 10 N. R. 20 E.
County Golden Valley

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

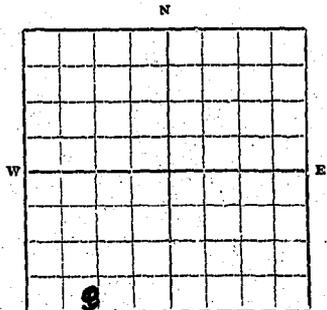
RECEIVED
JAN 6 1964

Notice of Completion of Groundwater Appropriation Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Prior to 1920 originally
Owner Jack H. and Edgar E. Lewis Address Lavina, Mont.
Contractor (if any) None
Address of Contractor Not applicable
Date Started Not known Date Completed Not known



SW $\frac{1}{4}$ Sec. 23 T. 10 R. 20

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. By sinking the lower edge of a bottomless tank around a natural spring. Water raises above ground surface in tank.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use Flow varies from none some years to about 3 gallons per minute in others. Flow has been measured using a 1 gallon bucket.

Signature of Owner Jack H. Lewis Edgar E. Lewis
Date 12-21-63

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.

GW3

File No. B-967

DUPLICATE

T. 10 N. R. 20 E.
County Golden Valley

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1954

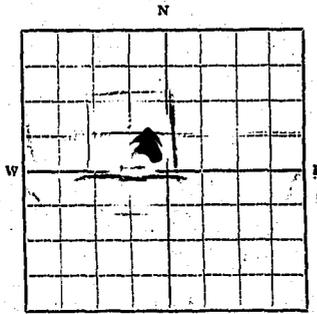
Owner Jack H. and Edgar E. Lewis Address

Contractor (if any) None

Address of Contractor Not applicable

Date Started Summer 1954 Date Completed Summer 1954

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Water was obtained by digging out & sinking a 30 gallon drum in spring, and piping the water into a tank. Water is at surface.



NW 1/4 Sec. 23 T. 10 R. 20

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

This spring develops from 1 to 6 gallons of water per minute, depending on the year and season. Flow was measured using gallex bucket.

Signature of Owner Jack H. Lewis Edgar E. Lewis
Date 12-21-63

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.

23715

File # 967
Indexed
By V.F.M.

53754

State of Montana
Golden Valley County
Filed this 27th day of
April 1968
at 4:15 P.M.
Elizabeth M. J. [Signature]
County Recorder
Verna L. Martin
Deputy

Fee \$ 00.00

15M 30E
Golden Valley

1/24
Not applicable
2/11/68
2/11/68

Map was obtained by
Golden Valley
Map was obtained by
Golden Valley
Map was obtained by
Golden Valley

GW.3

File No. 18-969

DUPLICATE

T. 10N R. 20E

County Golden Valley

JAN 6 1964

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Prior to 1960

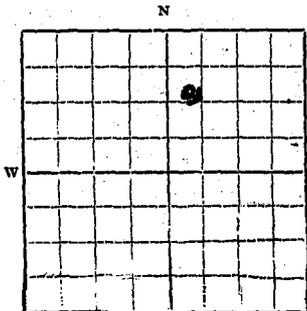
Owner Jack H. Lewis Address Lavina, Mont.

Contractor (if any) None

Address of Contractor Not Applicable

Date Started Not Known Date Completed Not Known

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Water was obtained by digging out and cementing spring and piping the water down to a tank. Water is about 1 ft. below surface.



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 the

None Section 26 T. 10 R. 20
Indicate point of appropriation and place of use, if possible.

water flow varies between one and three gallons per minute; measured using a gallon bucket.

Signature of Owner Jack H. Lewis Edgar E. Lewis

Date 12-21-63

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.

GW 2

STATE WATER CONSERVATION BOARD

File No. 1201

MAR 2 1965

T. 10 N. R. 20 E. 28

DUPLICATE

Billie _____ McDermott _____
Butzerin _____ McNulty _____
Coylc _____ Morton _____
Darlington _____ Sullivan _____
Dickert _____

County Golden Valley

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level) 5000 approx

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Joseph C. Henderson Address Greene & Main

Driller Joe P. Pivna Address Blawie Mt. Road

Date of Notice of Appropriation of Groundwater _____

Date well started Nov 18, 65 Date Completed Nov 27, 1965

Type of well drilled Equipment Used cat tool
(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.



gravel
yellow clay
gray soft shale

Size of Drilled Hole	Size and Weight of Casing	Pipe (Feet)	To (Feet)	PERFORATIONS		
				Kind and Size	Depth (Feet)	To (Feet)
<u>6 1/2</u>	<u>7" O.D.</u>	<u>0</u>	<u>39</u>			
	<u>6" D</u>	<u>35</u>	<u>75</u>	<u>1/8" x 1</u>	<u>39</u>	<u>42</u>
				<u>plata</u>	<u>48</u>	<u>51</u>
					<u>57</u>	<u>60</u>
				<u>69</u>	<u>78</u>	

Static Water Level for non-flowing Well 10 feet.

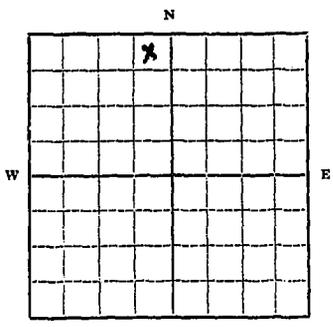
Shut-in Pressure for Flowing Well _____

Pumping Water Level 70 feet at 25 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Boiler Length of Test to steady flow

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) _____



NE NW Sec 28 10 N 10 E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Mont W. W. No 80
Driller's License Number
Joseph O. Pivna
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 this 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.

40869

55425

File	B
No.	1201
Indexed	
By	

RECORDED

INDEXED

State of Montana } ES
Golden Valley County, }

File No. 1201
March A. D. 1866

at 245 o'clock P.M.
Sheridan H. Hayes
County Recorder.

Benjamin A. Neate
Deputy

1866
MAY 10
1866

0 28
2 10

1866
MAY 10
1866

RECEIVED
SEP 16 1957

T. 10 N R. 20 E 29
County Golden Valley

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

	X	

Owner Henderson Ranch 1.25 Ryegate

Driller Lone Address

Date Started Sometime in 1912 Date Completed Not sure

Location: Sec. 29 T. 10 N R. 20 E 1/4 sec. N.W. 1/4 S. 1/4

Type of well dry Equipment used pick & shovel
(e.g. driven, bored, or drilled) (Chain drill, rotary, other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drains Other:

Casing: 0 ft. to 12 ft. Type pick Size

Casing: 12 ft. to 14 ft. Type iron Size wells 4 ft.

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

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

Type of screen or perforations _____

Static Water level, for non-flowing well: 16 ft. feet.

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

Pumping water level: 12 feet at 5 gal. per min.

How tested: Casing driven water pump

Length of test: 4 hrs.

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

cracked up in gravel T rotor rim's
in gravel & clay.

(over)

