

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—39311

File No. _____

T. 5 N R 35

DUPLICATE

County TreasureSTATE OF MONTANA **RECEIVED**
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER NOV 26 1963**Notice of Completion of Groundwater
Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
(Elev. above sea level 2800)

0
20
225
180
185
250
260
265

Sandy yellow clay
Yellow sandstone
Shale
Grey sandstone, 2 Gal.
Shale
Grey sandstone, 2 Gal.
Shale

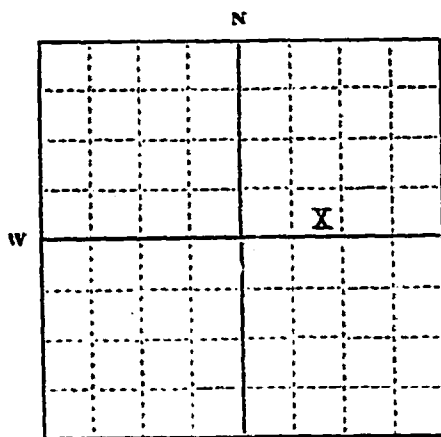
Owner Farman Eldering Address Hysham, MontanaDriller Chris Hadland Address Custer, Montana

Date of Notice of Appropriation of Groundwater _____

Date well started Oct. 20 Date Completed Oct. 27, 1963Type of well Drilled Equipment Used Spudder
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☒

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind and Size	From (Feet)	To (Feet)
6 5/8 In.	6 In. O.D. 18 Lbs.	Top	Bottom 265'	Slots by cutting torch	170'	190'
					250'	265'



1/4 Sec. 13 T5N R35E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

265

Show exact depth of bottom.

Static Water Level for non-flowing Well 130 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 250 feet at 4 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested By test bailings 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) _____

Driller's License Number 3Driller's Signature Chris Hadland

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.

1540

By _____ Deputy

[illegible]

File No.

DUPLICATE

T 5N R 35E

County Treasure

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 13 1964

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Dec. 31-1963

Owner John Harlene Anderson Address Big Horn, Mont.

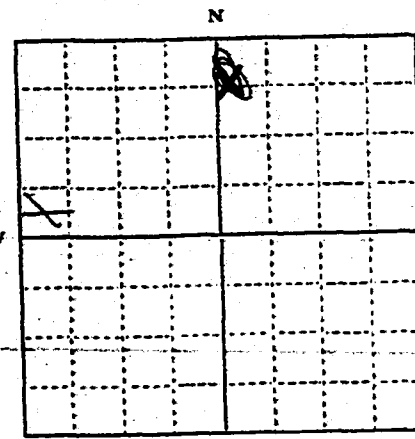
Contractor (if any) None

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

Natural spring near surface of ground made stronger by stock dam up Coulees



NW 1/4 Sec 29 T 5N R 35E

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

Not known

10 mos. use per year

Signature of Owner John Anderson
Marlene Anderson
Date 12/31/63

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.

45717

of Completion of
Groundwater Application
Without Well

Sec 29 5 N 35E

John & Marlene Anderson

Notice of Completion of Groundwater Application

1968

STATE OF MONTANA,
County of Treasure
OFFICE OF RECORDER OF DEEDS
I hereby certify that the within in-
strument was filed for record in this
Office, on the 31 day of
Dec 1968, at 4
o'clock P.M.
By *William S. Smith*
County Clerk and Recorder of Treasure County.
Deputy.

T. 5 R. 35E 31
County Dreaver

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER

Owner A. H. Anderson Address Big Horn
Driller C. S. Jones Address Hardin, Mont.
Date Started Nov. 26, 1961 Date Completed Nov. 29, 1961
Location: Sec. 31 T. 5 R. 35E $\frac{1}{4}$ sec. SE $\frac{1}{4}$

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

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

Casing: 0' ft. to 6' ft. Type 6" iron Size _____

Casing: 0' ft. to 355' ft. Type gal. 20 gage Size 5"

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

Perforated or Screened: Ft. 301' to ft. 355' Ft. _____ to ft. _____

Type of screen or perforations Standard factory, perforated 5" gal.

Static Water level, for non-flowing well: 100' feet.

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

Pumping water level 200' feet at _____ gal. per min. 4

How tested: Bailer

Length of test 4 hours

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'	5'	Soil
5'	7'	Gravel all colors
7'	18'	Brown Sandrock dry
28'	40'	Light Grey Shale
40'	42'	Hard Shell
42'	60'	L. Grey Shale
60'	62'	Hard Shell
62'	70'	L. Grey Shale
70'	110'	" " "
110'	180'	" " "
180'	183'	Hard Shell
183'	198'	L. Grey Sand-dry
198'	280'	L. Grey Shale
280'	320'	L. Grey Shale - Stricks of Brown Shale
320'	335'	L. Grey Shale
335'	340'	Hard Shell
340'	355'	L. Grey Sand-water
355'	357'	L. Grey Shale

STATE OF MONTANA
County of Treasure
OFFICE OF RECORDER OF DEEDS
I hereby certify that the within in-
strument was filed for record in this
office, on the 10th day of
March, 1902, at
O'clock, P.M.
By *[Signature]*
County Clerk and Recorder of Treasure County

100 fee

[Signature]

[Signature]

43968

copy

File No. _____

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

County Treasure
RECEIVED
JAN 18 1964

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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1963Owner John Anderson Address Big Horn, Mont.

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

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.

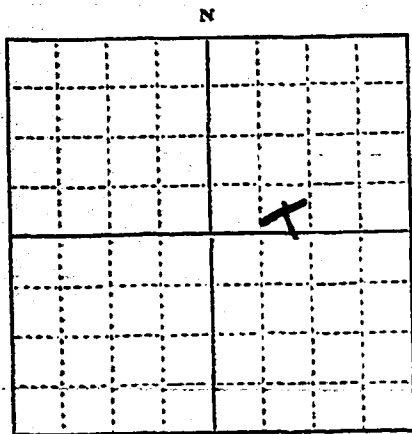
Not Known10 mos. use per yearSignature of Owner John AndersonDate 12/31/63

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.



HEA Sec 33 T 5N R 35E

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

45728

Office of Completion of
Groundwater Appropriation
Without Well

Sec 33 34 35E

John Anderson

STATE OF MONTANA } ss.
County of Treasure

OFFICE OF RECORDER OF DEEDS

I hereby certify that the within in-
strument was filed for record in this
office, on the 21 day of

Dec 1963 at 4

o'clock P.M.

Mason Lurken
County Clerk and Recorder of Treasure County.

By _____ Deputy.

File No. _____

DUPLICATE

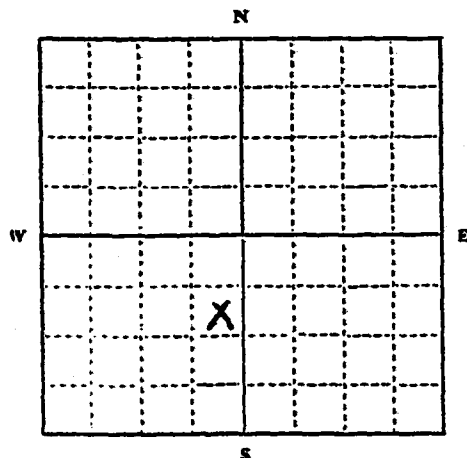
County Treasure

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

John N. Anderson of Big Horn
(Name of Appropriator) (Address) (Town)
County of Treasure State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW $\frac{1}{4}$ Sec. 33 T. 5N R. 35E

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 livestock use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1935
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gal. per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal gas motor pump jack also windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1935
8. The depth of water table 150 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 340 ft. deep 6 in. casing
10. The estimated amount of groundwater withdrawn each year 200,000
11. The log of formations encountered in the drilling of each well if available Do not know
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 Do not know

Signature of Owner

Date 12/31/63

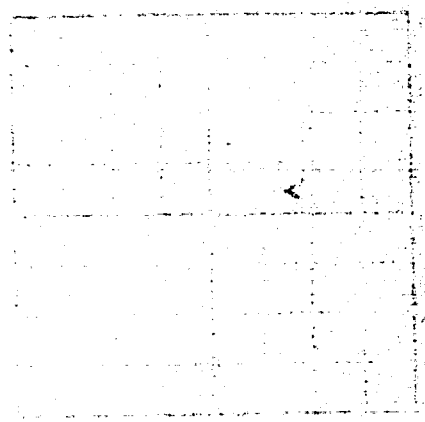
Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

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.

31645

19718
Declaration of Vested
Groundwater Rights
Sec 55 5 N 35E
John Anderson



RECORDED
INDEXED
JAN 10 1964
CLERK OF DISTRICT COURT
JAN 10 1964
CLERK OF DISTRICT COURT

STATE OF MONTANA
County of Treasure ss.
OFFICE OF RECORDER OF DEEDS
I hereby certify that the within in-
strument was filed for record in this
office on the 31 day of
Dec 1963 at 4
o'clock P.M.
Marian Leubank
County Clerk and Recorder of Treasure County.
By Deputy.

T. 5 R. 35 E. ³⁴
County Deer

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER

Owner John Anderson Address Big Horn
Driller C.S. Jones Address Hardin Mont
Date Started June 26, 1961 Date Completed June 29, 1961
Location: Sec. 34 T. 5 R. 35 ^{East} $\frac{1}{4}$ sec. SE $\frac{1}{4}$

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: 0' ft. to 26' ft. Type IRON Size 6"

Casing: 0' ft. to 165' ft. Type 20 gage gal. Size 5"

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

Perforated or Screened: Ft. 93' to ft. 165' Ft. _____ to ft. _____

Type of screen or perforations Standard factory perforated

Static Water level, for non-flowing well: 55' from top of ground feet.

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

Pumping water level 55' feet at 15 gal. per min.

How tested: Bailer

Length of test 2 hours

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'	10'	Soil
10'	19'	Gravel - all colors
19'	20'	Coal & Shale L. Grey
20'	25'	" "
25'	42'	L. Grey Shale
42'	46'	Hard Shell
46'	56'	L. Grey Sand-water-seep
56'	60'	L. Bluish Grey Shale
60'	70'	Brownish Shale
70'	75'	L. Grey Shale
75'	78'	L. Grey Sand-water-seep
78'	115'	L. Grey Shale
115'	165'	Light Grey Sandrock-Water

STATE OF MONTANA, } ss.
County of Treasure
OFFICE OF RECORDER OF DEEDS
I hereby certify that the within in-
strument is filed for record in this
office, on the 17th day of
March, 1902, at 2
o'clock P. M.
Clerk and Recorder of Treasure County
By *James H. [Signature]*
Deputy.

White Adam 20
34-5-35

John Macdonald.

4-3-96

Ady

GROUNDWATER INDEX

Page of

County Treasure

Twp. 5N

Rge. 36E

[illegible]

GW

File No. _____

DUPLICATE

T. 5N R. 36E

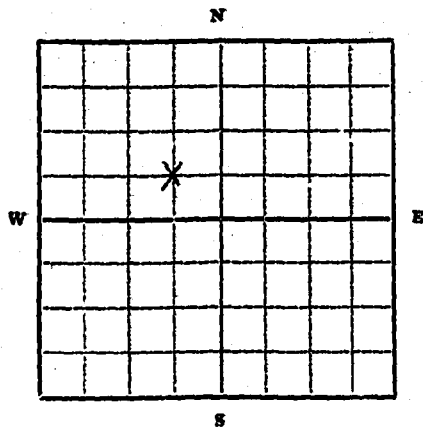
County TREASURE

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 5 1962
STATE ENGINEER

1. C. Ray Garverich of Hysham, Montana
(Name of Appropriator) (Address) (Town)
County of Treasure State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 2 T. 5 R. 36E

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 watering livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 20, 1956
used continuously since completed
4. The amount of groundwater claimed (in miner's inches or gallons per minute) ten (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 not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater commenced June 28 completed July 20, 1956
8. The depth of water table 185 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 drilled well with a seven inch hole 185 feet deep, cased with 185 feet of Type 20 six inch galvanized pipe
10. The estimated amount of groundwater withdrawn each year 273,750 gallons per year
11. The log of formations encountered in the drilling of each well if available
not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record not applicable

Signature of Owner C. Ray Garverich

Date January 3, 1962

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

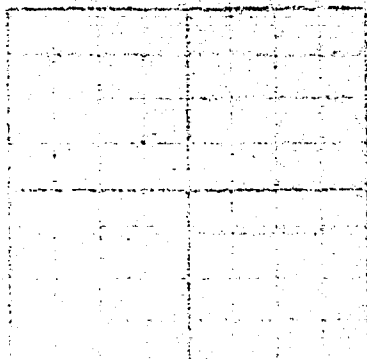
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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

1079

43821

E. Ray Lawrence



Notary Public
State of Montana
My Comm. Expires Jan 1, 1963

Declaration of Vested
Ground Water Rights

STATE OF MONTANA, } ss.
County of Treasure }

OFFICE OF RECORDER OF DEEDS

I hereby certify that the within instrument was filed for record in this office, on the 3rd day of Jan 1962, at 2 o'clock, P. M.

Marion Lawrence
County Clerk and Recorder of Treasure County.
By Tommy Lawrence Deputy.

200 Fee

File No. _____

DUPLICATE

T. 5N R. 36ECounty Treasure

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

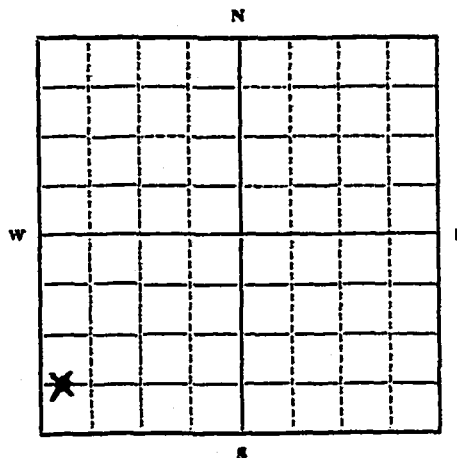
RECEIVED
JAN 13 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Cummins Lumber Inc., of Hysham,
(Name of Appropriator) (Address) (Town)
County of Treasure State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 SW Sec. 4 T5N R36E

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 1955 used To Date
Prior to 1952 - stock water
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gal per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof _____
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Prior to 1952
8. The depth of water table 200 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 270 ft.
10. The estimated amount of groundwater withdrawn each year stock water
11. The log of formation encountered in the drilling of each well if available Don't know
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

Cummins Lumber Inc.
By Gary Cummins Date 12/31/63

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.

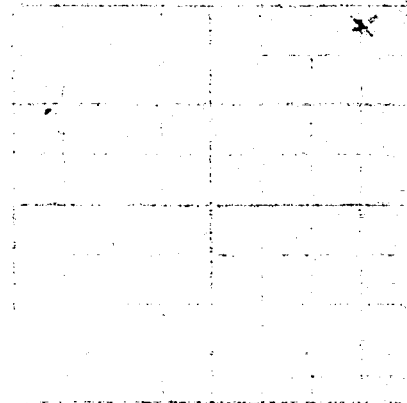
31593

45664

Cum gratia Ex

5-26

Declaration of Vestal
Shand Clarke
rights



RECEIVED

RECEIVED

STATE OF MONTANA,
COUNTY OF TREASURE
OFFICE OF RECORDER OF DEEDS

I hereby certify that the within in-
strument was filed for record in this
office, on the 31st day of

Dec - 19 67

at 4 o'clock P.M.

By Clerk and Recorder of Treasure County

By [Signature]

200

DUPLICATE

LOG
Billerick _____ McCormick _____
Billerick _____ McNulty _____
Co. _____ Morton _____
Darrin _____ Sullivan _____
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
Grayish tan sandy silt.
(Elev. above sea level 2571.82 Ft.)
5.0' Change to gray sandy clay.

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

15.0' Traces of gravel.

Owner Montana Highway Commission Address Helena, Montana

20.0' Gray sandy clay;
some surface water.

Driller Montana Highway Department Address Helena, Montana

25.0' Gray shale.

Date of Notice of appropriation of groundwater January 31, 1965

Date well started January 24, 1965 Date completed January 28, 1965

35.0' Bluish gray clay.

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

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

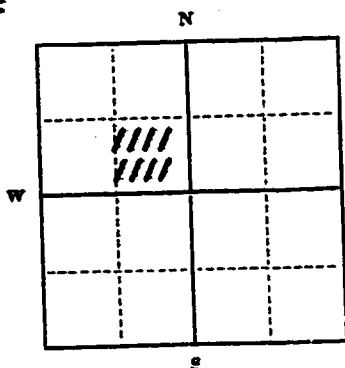
Rest Area Water Supply
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" ID Steel 19.88 lbs. per ft.	0.0'	63.0'	NONE		

55.0' Some traces gravel.
Increasing amounts of sand to coarse rock @ 63.0 ft.

63.0' Bottom of casing.

65.0' Bottomed hole in gravel & dark gray sand.



SE 1/4
NW 1/4 Sec 5 T5 N. R36 E.
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 14.0 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 43 feet at 28 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Pumped

Length of Test 4 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) None

(Continue on reverse side)

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

WATER ANALYSIS

PH 7.5
Ca⁺⁺ 5.4 p.p.m.
Calcium & Magnesium Bicarbonates 280 p.p.m.
Sodium Bicarbonate 90 p.p.m.

Water is basic

None required
Driller's License Number

Driller's Signature M. B. Foy
40840

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.

Sec 5 Twp 5 R 36E

I hereby certify that the within instrument was filed for record in this office on the 12 day of

o'clock, P. M.
Thomas L. Linder
 County Clerk and Recorder of Treasure County.
 By _____

File No. STATE WATER CONSERVATION BOARD

T 5 N. R 36 E.

DUPLICATE

FEB 15 1966

County Treasure

LOG

Billie McDermott

STATE OF MONTANA

Butler McNulty

ADMINISTRATOR OF GROUNDWATER CODE

Casing Stickup 2 1/2"

Top of Ground

OFFICE OF STATE ENGINEER

Darlington Sullivan

(Elev. above sea level 2852.25 ft.)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Tan to grey sandy silt,
with some clay.

10.0'

Grey sandy reworked
shale, with some
gravel.

Owner Montana Highway Commission Address Helena, Montana

Driller Montana Highway Dept. Address Helena, Montana

Date of Notice of appropriation of groundwater February 8, 1966

Date well started January 28, 1966 Date completed February 8, 1966

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

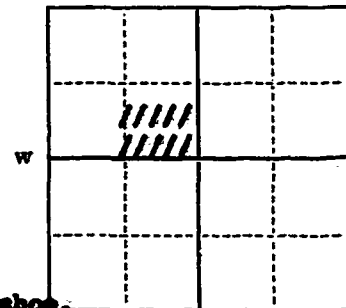
Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

East Area Water Supply

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" ID Steel 19.88 lbs. per ft.	0.0'	61.5'	NONE		

N



Static Water Level for non-flowing well 25.0 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 49.0 feet at 16 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Pumped

Length of Test 4 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) None

60.0'

61.5'

Grey sandy shale.
Bottom of casing shoe.

Soft grey sandstone. SE-1/4

NW 1/4 Sec. 5 T. 5 N. R. 36 E.

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

70.0

Grey sandy gravel.

75.0

Bottomed hole in
grey sandy gravel.

(Continue on reverse side)

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

WATER ANALYSIS

PH	7.5
CO ₂	52 p.p.m.
Calcium & Magnesium Bicarbonates	352 p.p.m.
Sodium Bicarbonates	42 p.p.m.
Water is basic	

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.

None required
Driller's License Number

Lehman B. Foy
Driller's Signature Mattis. Engr.

40839

o'clock A M
Baron Lunkin
County Clerk and Recorder of Treasure County.
By _____ Deputy.

[illegible]

File No. _____

T. 5N R. 36W

DUPLICATE

County TreasureSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

APR 30 1964

Top of Ground

(Elev. above sea level _____)

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

0'-12' Top Soil

12'-25' Yellow Clay

25'-180' Grey Shale

180'-190' Sandstone - 2 gal. per min.

190'-230' Grey Shale

230'-240' Sandstone - 2 gal. per min.

240'-250' Grey Shale

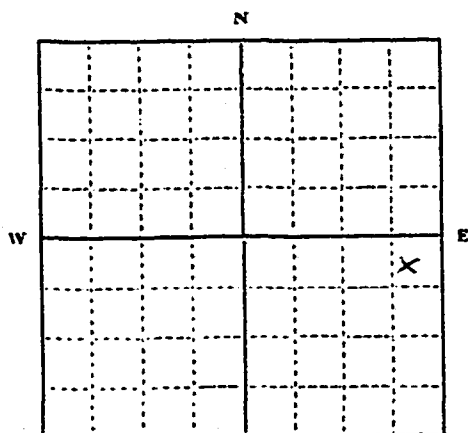
Owner Orto Kuch Address Hydram, Mont.Driller Albert Fickert Address Faragth, Mont.

Date of Notice of Appropriation of Groundwater _____

Date well started 3/18/64 Date Completed 3/28/64Type of well Drilled Equipment Used Churn
(dug, 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)
7"	4" J. 10 Plastic ABS well casing	0	250	3/8" dia Vertical	180	195
					230	245



1/4 Sec. 9 T. 5 R. 36
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

250'

Static Water Level for non-flowing Well 190 feet.Shut-in Pressure for Flowing Well Not ApplicablePumping Water Level 243 feet at 4 gal. per minute.Discharge in gal. per min. of flowing well Not ApplicableHow Tested Bailed Length of Test 2 hrs.

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

Not ApplicableDriller's License Number 104Driller's Signature Albert Fickert

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.

35638

46026

NOTICE OF COMPLETION OF
GROUNDWATER APPROPRIATION
BY MEANS OF WELL

O.A.KOLB

SECTION 9-5 N. 36E.

STATE OF MONTANA
County of Treasure
OFFICE OF RECORDER OF DEEDS

I hereby certify that the within in-
strument was filed for record in this
office, on the 2 day of

April 1964, at 2
o'clock P.M.
Harlan Sourkink
County Clerk and Recorder of Treasure County.

By _____ Deputy.

File No. _____

T 51 R 36

DUPLICATE

County TREAS.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

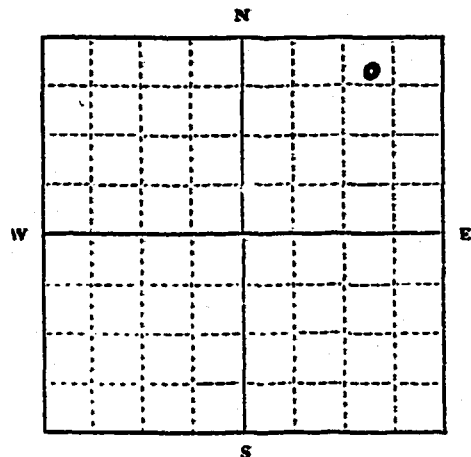
Declaration of Vested Groundwater Rights 1964

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. HAROLD R. MILLER, of SANDERS
(Name of Appropriator) (Address) (Town)

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



NE 1/4 NE Sec. 12 T. 5 R. 36

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
LIVESTOCK WATER
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1936 - YEARLY
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 GALS. PER MIN.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
NOT USED FOR IRRIGATION
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal WIND MILL + PUMP - NE 1/4 NE 1/2 - SEC. 12 - T. 5 R. 36
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1936
8. The depth of water table 10 FT.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater HAND DUG - 50 GAL. GALVANIZED BARRELS FOR CASING - 15 FT. DEEP - WIND MILL
10. The estimated amount of groundwater withdrawn each year 500,000 GALS.
11. The log of formations encountered in the drilling of each well if available 3 FT. TOP SOIL - 12 FT. GRAVEL + SAND
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner HAROLD R. MILLERDate DEC. 31, 1963

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

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

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

31650

45723

Declaration of Vested
Groundwater Rights

Sec. 12 5N 36E

Harold Miller

RECEIVED
DEC 12 1963
COUNTY CLERK
TREASURE COUNTY

STATE OF MONTANA, } ss.
County of Treasure
OFFICE OF RECORDER OF DEEDS

I hereby certify that the within in-
strument was filed for record in this
office, on the 31 day of
Dec 1963, at 4

Witness my hand and seal
Marion Leistikow
County Clerk and Recorder of Treasure County.

By _____ Deputy.

File No. _____

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

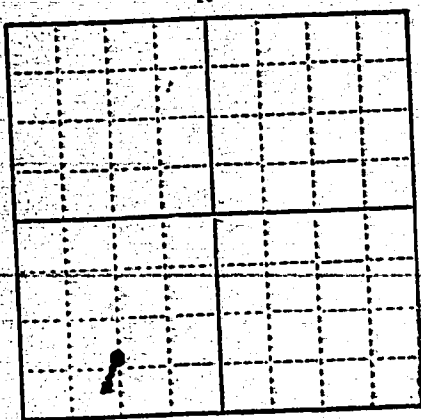
T 5 N 36County TREAS

JAN 18 1964

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1936Owner HAROLD R. MILLER Address SANDERS, MONTANAContractor (if any) NONEAddress of Contractor NONEDate Started 1936 Date Completed 1936Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. DUG BY HAND 3 FT.deep - CEMENT RESERVOIR 10 FT.
by 10 FT. 2 FT. deepSW $\frac{1}{4}$ Sec. 12 T. 5 R. 36

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 SPRINGWILL WATER 20 UNITS PER DAYAPPROX. 300 GALS. DAILYIT IS USED 9 MONTHS PER YR.Signature of Owner HAROLD R. MILLER
by Bob MillerDate 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.

13

T. 5N R. 36E
County Treasure County

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 9 1961

WATER WELL LOG

STATE ENGINEER

Owner Harold Miller Address Hysham, Mont
Driller C. M. Turner Address Insytha, Mont.
Date Started 4/2/60 Date Completed 4/6/60
Location: Sec. 12 T. 5 R. 36 1/4 sec.

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

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

Casing: 0 ft. to 42-5" ft. Type 2 1/2" perf. Drive Pipe Size 7" O.D.
Casing: 0 ft. to 110 ft. Type _____ Size 6" O.D.
Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. 38 to ft. 42 Ft. _____ to ft. _____

Type of screen or perforations Vertical slotted

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

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

Pumping water level 70 feet at 7 gal. per min.

How tested: Bailed

Length of test 2 hrs.

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

RECEIVED
DEC 21 1960

STATE ENGINEER

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
1	10	Sandy Clay
10	20	Sand
20	30	Sand
30	40	Gravel & Clay
40	50	Sandy Shale
50	60	Sandy Shale
60	65	Hard Lime
65	70	Black Shale
70	100	Sand - Water here - 7 gal. per min.
100	110	Shale

43209

Harold Miller

13-5-36

Water level 84.

STATE OF TEXAS, 1936.
COUNTY OF TREASURE
OFFICE OF THE CLERK OF COURTS
I hereby certify that the within
instrument was filed for record in this
office, this 13th day of May, 1936, at
10:00 a.m.
M. M. M.
County Clerk and Recorder of Treasure County
R. M. M.
Deputy

File No. _____

T 5^N R 36^E

DUPLICATE

County TREAS.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

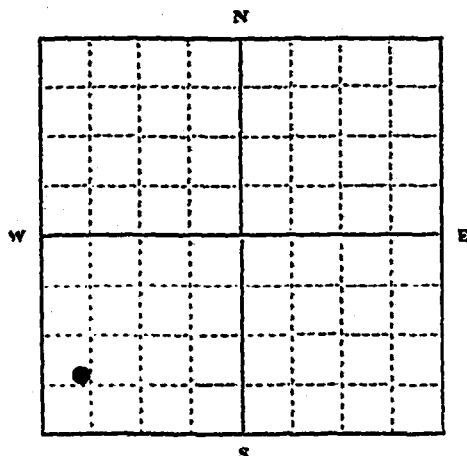
RECEIVED
JAN 13 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. HAROLD R. MILLER, of SANDERS
(Name of Appropriator) (Address) (Town)
County of TREASURE State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

SW 1/4 Sec. 13 T. 5 R. 36

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 LIVESTOCK WATER
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1957 - YEARLY
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 GALS. PER. MIN.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof NOT USED FOR IRRIGATION
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal WINDMILL
& PUMP - SW 1/4 - SW 3 - SEC. 13 - T. 5 - R. 36
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1957
8. The depth of water table 100 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 DRIVEN WELL - 6 IN. STEEL
CASING - 120 FT. DEEP - WINDMILL
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 NOT KNOWN
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner HAROLD R. MILLERby Bob Miller
Date Dec. 31, 1963

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

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

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

31651

45724
Declaration of Vested
Groundwater Rights
Sec 13 5N 36E
Harold Miller

STATE OF MONTANA } ss.
County of Treasure
OFFICE OF RECORDER OF DEEDS
I hereby certify that the within in-
strument was filed for record in this
office, on the 31 day of
Dec 1963 at 4
o'clock P M.
Marion Gierke
County Clerk and Recorder of Treasure County.
By _____ Deputy

File No. _____

T

5 N 36 E 22

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

SEP 25 1964

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
(Elev. above sea level _____)

0'-15' Lapisil
15'-25' Clay
25'-27' Sandrock
27'-35' Blue Shale, Scario
35'-36' Rock
36'-52' Blue Shale, Scario
52'-68' Blue bandy Shale
68'-72' Sandrock
72'-87' Blue bandy Shale
87'-89' Sandrock
89'-95' Blue Shale, Scario
95'-140' Blue Shale
140'-152' Brown Shale
152'-180' Blue Shale
180'-185' Brown Shale
185'-188' Sandrock (2 gal.)
188'-190' Blue Shale, Scario
190'-215' Blue Shale
215'-220' Brown Shale
220'-231' Blue Shale + Sand (8 gal.)
231'-235' Sandrock
235'-256' Blue Shale, Scario (11 gal.)

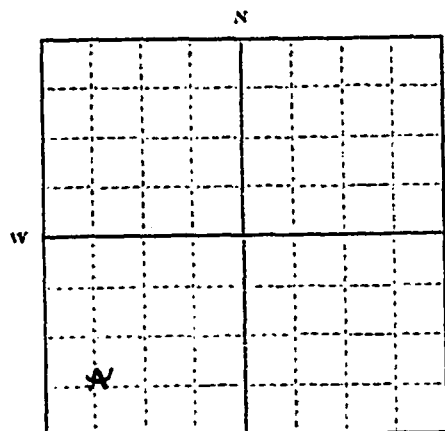
Owner Ray L. Garverich Address Helena, Mont.Driller Albert Folbert Address Bozeman, Mont.

Date of Notice of Appropriation of Groundwater _____

Date well started 7/22/64Date Completed 7/22/64Type of well Drilled
(dug, driven, bored or drilled)Equipment Used Churn
(Churn, drill, rotary or other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☒

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	6 1/4 I. O. 13# per ft.	0	247	Unlined	175	185
				Slotted	213	245



SE 1/4 Sec. 22 T 5 R 36
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 150 feet.Shut-in Pressure for Flowing Well Not ApplicablePumping Water Level 237 feet at 20 gal. per minute.Discharge in gal. per min. of flowing well Not ApplicableHow Tested Failed Length of Test 2 hrs.

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

Not Applicable

256'

Driller's License Number 104Driller's Signature Albert Folbert

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.

38488

46251

C. Ray Lawrence

22-5-36

Notice Completion
app. by Well

STATE OF MONTANA, ss.
County of Treasure

OFFICE OF RECORDER OF DEEDS

I hereby certify that the within in-
strument was filed for record in this
office, on the 23 day of

Sept. 1964, at 11
p'clock, 4 M

My son Chuck Kirk
County Clerk and Recorder of Treasure County.
By Ann Dunning Deputy

Joe Lee

CW

File No. _____

DUPLICATE

T. 25N R. 36E

County TREASURE

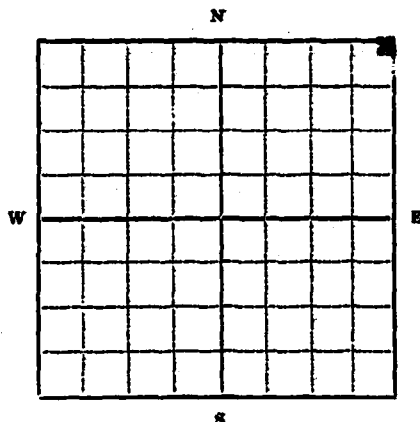
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 5 1962

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

STATE ENGINEER

1. C. Ray Garverich of Hysham, Montana
(Name of Appropriator) (Address) (Town)
County of Treasure State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 23 T. 5N R. 36E

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 watering livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been January 8, 1958 used continuously daily except on shut down for short time each winter

4. The amount of groundwater claimed (in miner's inches or gallons per minute) seven (7) gallons per minute

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater commenced drilling on December 20, 1957 and completed well on January 8, 1958

8. The depth of water table 185 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 drilled well with a seven inch hole 185 feet deep cased with 185 feet of type 20 galvanized 6 inch pipe

10. The estimated amount of groundwater withdrawn each year _____

11. The log of formations encountered in the drilling of each well if available at 20' sand rock at 30' clay, at 35' sand rock, at 42 feet blue shale, at 50' sand rock at 110 feet blue shale, at 145 ft gray sandy shale, at 165 ft brown shale at 185 ft blue sand and water.

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 C. Ray Garverich

Date December 28, 1961

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

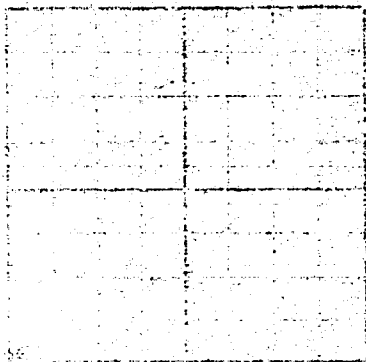
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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

1080

43819

C. Roy Harvick



Declaration of Test & Ground-
Water Rights

STATE OF MONTANA, } ss.
County of Treasure.

OFFICE OF RECORDER OF DEEDS

I hereby certify that the within in-

strument was filed for record in this

office, on the 3rd day of

July 1962, at 1:30

o'clock, P. M.

Marion Stewart
County Clerk and Recorder of Treasure County.

By Jim Cunningham
Deputy.

Jim Lee

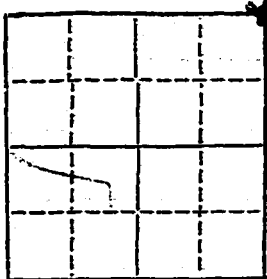
RECEIVED

FEB 13 1958

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG



Owner C. Ray Garverick Address Hypsham Mont

Driller A. M. Gurne Address Fourth Mont.

Date Started Dec 20th 1957 Date Completed Jan 8- 58

Location: Sec. 23 T. 36 R. 5 1/4 sec.

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

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

Casing: 185 ft to 185 ft Type 20 g. Galv Size 6 in.
 tubing Casing: 168 ft to 168 ft Type galv Size 3 in
 well hole Casing: 168 ft to 168 ft Type arch. rod Size 1 1/2 in

Perforated or Screened: Ft. 12 ft to ft. 12 ft Ft. 173 to ft. 185

Type of screen or perforations Factory made

Static Water level, for non-flowing well: 95 ft feet.

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

Pumping water level 80 ft, feet at 80 ft, gal. per min. 7 gal.

How tested: Bailer

Length of test 2 hours bailing test

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

(over)

Log of Well No 1. C. Ray Garvin

Depth, feet		Description of Material Drilled
From	To	
		Drilled 185 Ft. Tin hole
0	15	Clay.
15	20	Sand rock
20	30	Clay
30	35	Sand rock
35	42	Blue shale
42	50	Sand rock
50	110	Blue shale
110	145	Gray sandy shale.
145	165	Brown shale
165	185	Blue sand and shale
		7 gal. per min.

185

570 feet.

W. H. M.
County Clerk and Recorder of Treasure County
By *[Signature]*
Deputy.

STATE OF MONTANA, } ss.
COUNTY OF TREASURE
OFFICE OF RECORDER OF DEEDS
I hereby certify that the within instrument was filed for record in the office, on the 11th day of May, 1908, at 11:30 a.m.

[Signature]
C. Ray Garvin

[Signature]
C. Ray Garvin

240805

[Signature]

File No. _____

T. 5 N R 36

DUPLICATE

County Treasure

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights

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

1. Gerald Ferguson

(Name of Appropriator)

of Hysham

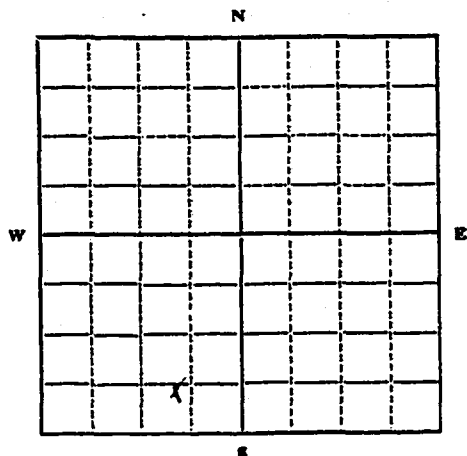
(Address)

MONTONE

(Town)

County of TreasureState of Montana

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



5 N 1/4 Sec 25 T 5 R 36

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 con-
tinuous the use has been 1951

CATTLE WATER 6 mo

4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 15 gal per min

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

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

PUMP & ENGINE

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater 1951

8. The depth of water table 205 ft deep 100 ft water

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater 6 in casing

10. The estimated amount of groundwater withdrawn each year 150 000

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

Gerald FergusonDate Dec 27-63

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.

15962

45534
Declaration of Vested &
Groundwater rights

Sec 25 36 36 E

Gerald Ferguson

STATE OF MONTANA,
County of Treasure } ss.

OFFICE OF RECORDER OF DEEDS

I hereby certify that the within in-
strument was filed for record in this
office on the 27 day of

Dec 1963 at 11
A.M.
Gerald Ferguson
County Clerk and Recorder of Treasure County.

By _____
Deputy.

200 Fee

26

T. 5N R. 36E
County Deer

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
DEC 9 1961

WATER WELL LOG

STATE ENGINEER

Owner Gerald Ferguson Address Hysham, Mont.
Driller C. M. Turner Address Forsyth, Mont.
Date Started 4/9/60 Date Completed 4/22/60
Location: Sec. 26 T. 5 R. 36 1/4 sec.

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

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

Casing: 0 ft. to 235 ft. Type 20 ga. galv. Size 6" O.D.
Casing: _____ ft. to _____ ft. Type _____ Size _____
Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Et. 214 to ft. 226 Ft. _____ to ft. _____
Type of screen or perforations Vertical slotted

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

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

Pumping water level 200 feet at _____ gal. per min.

How tested: Bailed

Length of test 2 hrs.

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

RECEIVED
DEC 27 1960

(over)

STATE ENGINEER

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	10	Sandy Clay
10	20	Sand Rock
20	30	Sandy Shale
30	35	Rock
35	55	Blue Shale
55	95	Sandy Shale
95	110	Blue Shale
110	130	Sandy Shale
130	145	Blue Sand
145	170	Brown Shale
170	180	Blue Shale
180	210	Grey Shale
210	230	Blue Shale
230	235	Blue Shale

43210

Charles Henderson

26-5-36

Water Well Log

STATE OF MONTANA, ss.

COUNTY OF TREASURE

OFFICE OF THE CLERK OF DEEDS

I hereby certify that the within

instrument was filed for record in this

office, on the 3rd day of

October, 1936, at

Butte, Montana.

County Clerk and Register of Treasurers' Office.

Notary Public

Wm. Lee

GW

File No. _____

DUPLICATE

T. 5 R. 36

County. TREASURE

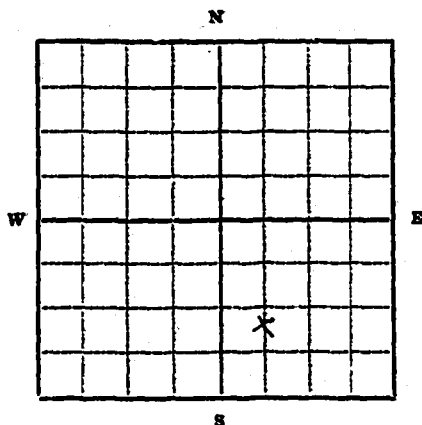
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 5 1962

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

STATE ENGINEER

1. C. Ray Garverich, of Hysham, Montana
(Name of Appropriator) (Address) (Town)
County of Treasure State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 27 T. 5 R. 36

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 watering livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 10, 1958
used every day except when shut down for a short time each winter
4. The amount of groundwater claimed (in miner's inches or gallons per minute) eight (8) gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 7, 1958 commenced drilling, completed well on August 10, 1958
8. The depth of water table 240 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 drilled well with a seven inch hole 240 feet deep cased with 240 feet type 20 galvanized pipe 6 inch
10. The estimated amount of groundwater withdrawn each year 219,000 gallons per year estimated
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 not applicable

Signature of Owner C. Ray Garverich

Date January 3, 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.

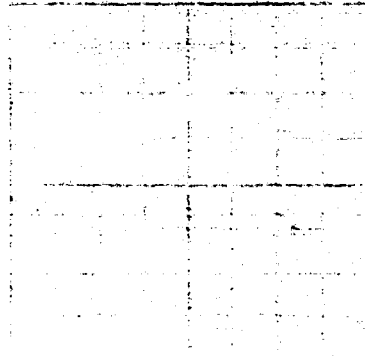
Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

1081

43820

C. Ray Lawrence

Declaration of Vested
Ground Water Rights



Notarized at the County Clerk's Office, Treasure County, Montana, on the 3rd day of June, 1967, at 1:30 P.M.

STATE OF MONTANA } ss.
County of Treasure
OFFICE OF RECORDER OF DEEDS

I hereby certify that the within instrument was filed for record in this office, on the 3rd day of June, 1967, at 1:30 o'clock, P.M.

Marion Lundberg
County Clerk and Recorder of Treasure County
By John C. Curry Deputy

\$ 2.00 fee

32

File No. 44605T 5N R 36E

DUPLICATE

County Treasure

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

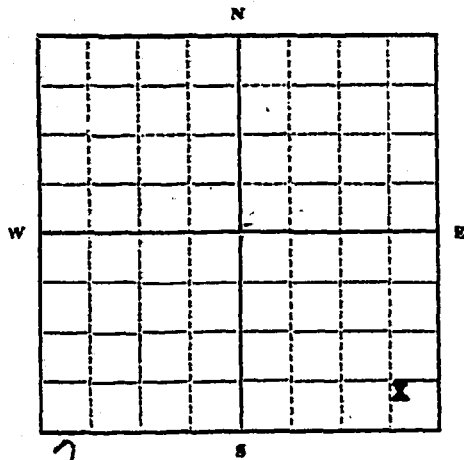
RECEIVED

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, Ed Verhelst, of Big Horn, Montana
(Name of Appropriator) (Address) (Town)
County of Treasure State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 33 T. 5N R. 36E

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
Livestock watering
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1961
6 months each year for livestock watering
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 4 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
pump and engine
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1961
8. The depth of water table 300 feet well about 100 feet of water
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
seven inch casing 300 foot well about 100 feet of water
10. The estimated amount of groundwater withdrawn each year 270,000 gals per year
11. The log of formations encountered in the drilling of each well if available
None 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

Ed VerhelstDate December 28 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.

2945

44605

Ed Thelbert

Declaration of
Vested Ground
Water Right

57-32E

STATE OF MONTANA.
County of Treasure } ss.
OFFICE OF RECORDER OF DEEDS

I hereby certify that the within in-
strument was filed for record in this
office, on the 28 day of

Dec. 1917, at

o'clock, A. M.

Recorder of Deeds

By Deputy

Joe Lee

File No. 44606T. 5N R. 36E

DUPLICATE

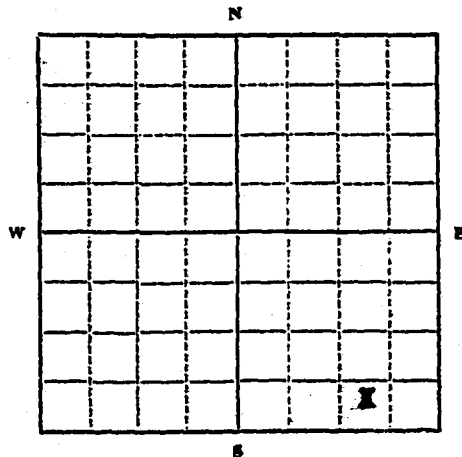
County Treasure

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

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

1. Ed Verhelst of Big Horn, Montana
(Name of Appropriator) (Address) (Town)
County of Treasure State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

SE $\frac{1}{4}$ Sec. 34 T. 5N R. 36E

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
Livestock watering
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1936 or before
used 6 months each year for livestock watering
4. The amount of groundwater claimed (in miner's inches or gallons per minute) about 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
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Pump and engine also windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1936 or before
8. The depth of water table 130 foot well about 65 feet of water
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
four inch casing 130 feet deep 65 feet water
10. The estimated amount of groundwater withdrawn each year 270,000 gallons per year
11. The log of formations encountered in the drilling of each well if available
None 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 Ed VerhelstDate December 28 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.

44606

Ed Verbeek

Declarator of
United Grange
Water. Pay to

571-36 E

STATE OF MONTANA,
County of Treasure } ss.
OFFICE OF RECORDER OF DEEDS

I hereby certify that the within in-
strument was filed for record in this
office on the 28 day of

Dec 19 1902 at 11
o'clock, A.M.

County Clerk and Recorder of Treasure County.

By Ed Verbeek Deputy.

200 Fee

File No. _____

DUPLICATE

T. 5 R. 36
County TreasureSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 18 1962STATE ENGINEER
H. J. H. H.1. Gerald & Betty Ferguson Mary G. Hite of _____

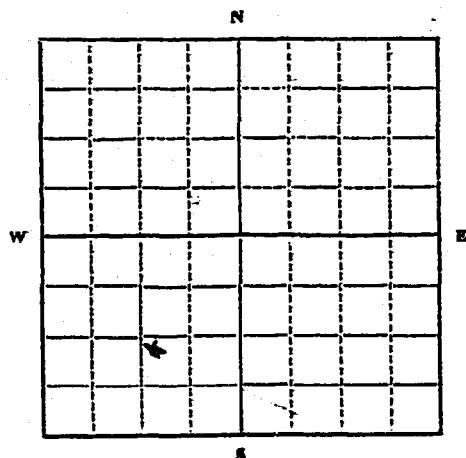
(Name of Appropriator)

(Address)

(Town)

County of TreasureState of Montana

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

SW $\frac{1}{4}$ Sec 35 T. 5 R. 36Indicate 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 water3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1916 8 mo. / year4. The amount of groundwater claimed (in miner's inches or gallons per minute) 150,000

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 Windmill & Pump Engine7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 19168. The depth of water table 16 ft 12 ft of water9. 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 4 1/2" well Rock Lined to 3 ftdiameter10. The estimated amount of groundwater withdrawn each year 175,000 gal

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

Mary G. Hite
Betty Ferguson
Gerald FergusonDate Dec 26-63

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.

31563

1963
Declaration of Vested
Groundwater rights
Sec 35-58 362
Gerald Ferguson

STATE OF MONTANA, }
County of Treasure } ss.
OFFICE OF RECORDER OF DEEDS

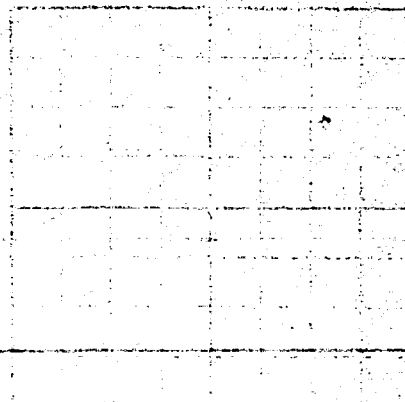
I hereby certify that the within in-
strument was filed for record in this
office on the 20 day of

Dec 1963, at 3

o'clock, P M.

Gerald Ferguson
County Clerk and Recorder of Treasure County.

By _____ Deputy.



Notary Public
for the State of Montana
My Comm. Expires _____
I hereby certify that the within instrument was filed for record in this office on the _____ day of _____, 19____, at _____ o'clock, _____ M.

GROUNDWATER INDEX

Page of

County Treasure

Twp. 5~~N~~

Rge. 37E

[illegible]

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)

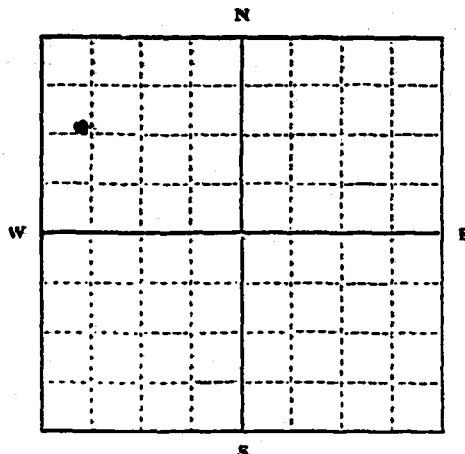
STATE ENGINEER

1. Lyle & Ethel Ballard
(Name of Appropriator), of Hysham
(Address)

(Town)

County of TreasureState of Montana

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



NW 1/4 Sec. 5 T5N R37E

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 Oct. 1954
continuously
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 gal. per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Oct. 1954
8. The depth of water table 25 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 Drilled, 7" O.D. pipe, 72 ft. deep
10. The estimated amount of groundwater withdrawn each year 950,000 gallons
11. The log of formations encountered in the drilling of each well if available

<u>0-9 ft. Sandy top soil</u>	<u>25-30 ft. gravel & water</u>
<u>9-12 ft. Sand</u>	<u>30-35 ft. Sand</u>
<u>12-25 ft. clay & gravel</u>	<u>35-37 ft. gravel & water</u>
	<u>37-72 ft. all shale</u>
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 pump with 3 inch cylinder

Signature of Owner

Lyle BallardDate Dec. 31, 1963

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

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

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

31612

**Declaration of Vested
Groundwater Rights**

Sec 5 5 N 37 E

Lyle & Ethel Hallab

STATE OF MONTANA, } ss.
County of Treasure }

OFFICE OF RECORDER OF DEEDS

I hereby certify that the within in-
strument was filed for record in this
office, on the 31 day of

Dec 1963, at 4

O'clock P. M.

Marion Burkhead
County Clerk and Recorder of Treasure County.

By _____ Deputy.

24

ALICE HALLAB
Lyle & Ethel Hallab
1963 Dec 31

File No. _____

DUPLICATE

T. 5N R. 37E

County Treasure

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 13 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Natural Spring

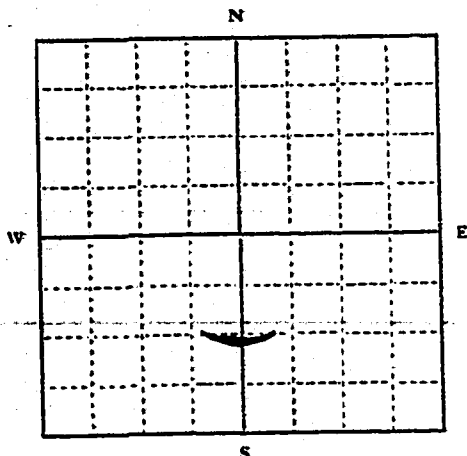
Owner Lyle & Ethel Ballard Address Hysham, Mont.

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 runs out.



S 1/2 Sec. 6 T. 5N R. 37E

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 all year.

Water runs into Sarpy Creek.

2,000,000 gallons

Signature of Owner Lyle Ballard and Ethel Ballard

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.

45684

Notice of Completion of
Groundwater Appropriation
Without Well

Sec 6 SW 37E

Lyle Ballard

STATE OF MONTANA, } ss.
County of Treasure }

OFFICE OF RECORDER OF DEEDS

I hereby certify that the within in-
strument was filed for record in this
office, on the 31 day of

Dec 1963, at 7

O'clock, P. M.

Marion Genshink
County Clerk and Recorder of Treasure County.

By

Deputy.

200

TR

County treasure

RECEIVED
JAN 18 1964

er Rights
1964) STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1964)

Hysham

W

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

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_____

Mary G. White
Betsy Ferguson
Leola Ferguson

Date 7/1/80

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.

31564

456284

**Declaration of Vested
Groundwater Rights
Sec 7 ME 37E**

Gerald Ferguson, etal

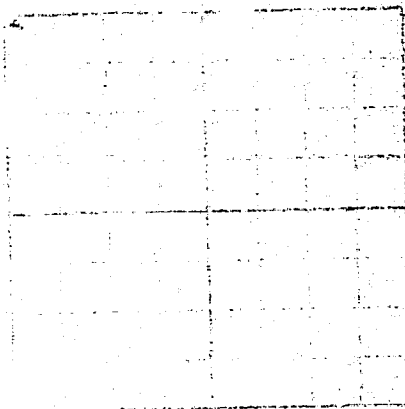
STATE OF MONTANA,) ss.
County of Treasure

OFFICE OF RECORDER OF DEEDS

I hereby certify that the within in-
strument was filed for record in this
office, on the 30 day of

Dec 1963, at 3
o'clock P. M.
Marion Hunkeler
County Clerk and Recorder of Treasure County.

By _____ Deputy.



STATE OF MONTANA
COUNTY OF TREASURE
OFFICE OF RECORDER OF DEEDS
RECEIVED
DEC 31 1963

RECEIVED

JAN 22 1958

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Leslie Griswell

Address Byham, Montana

Driller

Address

Date Started

Date Completed October 1919

Location: Sec. 8

5 N

37 E

$\frac{1}{4}$ sec. SWSEK

Type of well Dug

(Dug, driven, bored, or drilled)

Equipment used Hand dug all the way.

(Churn drill, rotary, other)

Water use: Domestic ☐

Municipal ☐

Stock ☐

Irrigation ☐

Industrial ☐

Drainage ☐

Other:

Casing: 0 ft. to 19 ft.

Type Concrete Size 5 Ft.

Casing: 19 ft. to 24 ft.

Type Brick Size 4 ft.

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: _____ 21 feet.

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

Pumping water level 22 feet at 6 gal. per min.

How tested: Engine on cylinder Pump

Length of test 2 hrs.

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

(over)

[illegible]

41631

STATE OF MONTANA, }
COUNTY OF TREASURE
OFFICE OF CLERK AND RECORDER OF TREASURY,
I hereby certify that on and after the
instrument was filed for record in this
office of the 20th day of
February, 1907, at 9
o'clock A. M.
W. H. Brown
Clerk and Recorder of Treasure County,
D. H. Brown, Deputy.

10

File No. _____

T. 5 N R. 37 E

DUPLICATE

County Treasure

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 13 1964

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1960

Owner Leslie Griswell Address Hyskam, Mont.

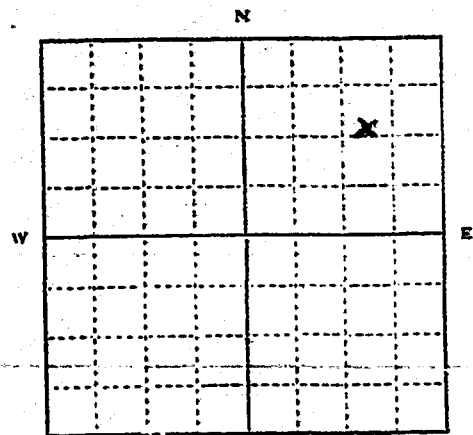
Contractor (if any) None

Address of Contractor _____

Date Started July 1960 Date Completed Aug. 1960

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

Natural spring



NE 1/4 Sec 10 T. 5 N R. 37 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 _____

5 gal. per minute by bucket measure.

10 max. use per year

Signature of Owner Leslie Griswell

Date 12/31/63

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 Quaduplicate for the Appropriator.

31625

1963
Date of Completion of
Groundwater Appropriation
Without Well

Sec. 10 31 37E

Leslie Grissell

STATE OF MONTANA, } ss.
County of Treasure

OFFICE OF RECORDER OF DEEDS

I hereby certify that the within in-
strument was filed for record in this
office, on the 31 day of

Dec 19 63, at 4

o'clock P. M.

Marion Geurkin

County Clerk and Recorder of Treasure County.

By Deputy.

22