

Form No. 18
8-60

T. 2N R. 24E
County Yellowstone

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER

Owner RAYE + ESTELLE IVIE LLOYD + FRANCES Address ACTON

Driller ? Address _____

Date Started Homestead Days Date Completed _____

Location: Sec 3 T2N R. 24E & Sec. Lot 4 or NW1/4

Type of well Plug Equipment used _____
(Dug, driven, or drilled) (Carn, drill, rotary, etc.)

Water use Domestic Municipal Stock Irrigation
Industrial Drainage Other: _____

Casing: 1 ft. to 28 ft. Type Corrugated Steel 42"

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: _____ feet.

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

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

How tested: _____

Length of test _____

Remarks (Gravel packing, cementing, or other type of shut-off, depth of shut-off)

Well 28' deep

Form No. 18
8-60

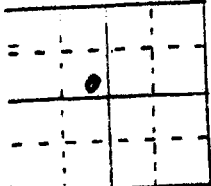
T. 220 R. 242
County Yellowstone

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 2 1962

WATER WELL LOG

STATE ENGINEER



Owner J. S. Smith Address Laurel

Driller _____ Address _____

Date Started _____ Date Completed _____

Location: Sec. 4 T. 25 R. 24E Sec. 56 1/4 of NW 1/4

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

Water use Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: 40 ft. to _____ ft. Type 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 6"

Static water level, for non-flowing well: 23' feet.

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

Pumping water level 35 feet at 200 gal. per min.

How tested: Pump tested

Length of test 24 hr

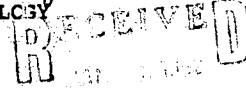
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Form No. 18
8-60

T. 277 R. 24E
County Yellowstone

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



STATE ENGINEER

Owner IVIE, Lloyd + Frances Address AETON, Mont.
Driller ? Address _____
Date Started Houston, days Date Completed _____
Location: Sec. 4 T 24 R. 24E Sec. SESE

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

Water use Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

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

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

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

Perforated or screened Ft. _____ to ft. _____ Ft. _____ to Ft. _____

Type of screen or perforations _____

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

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

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

How tested: _____

Length of test _____

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

Walled up with Rock - depth approx. 20'

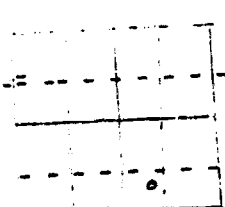
Form No. 18
8-60

T. 2N R. 24E
County Yellowstone

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG



Owner Ivie, Lloyd + Frances STATE ENGINEER
Address Acton

Driller ? Address _____

Date Started Homestead Lloyd Completed _____

Location Sec. 4 T. 2N R. 24E & Sec. SW SE 4

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

Water use Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

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

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

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

Perforated or screened _____ to ft. _____ ft. _____ ft.

Type of screen or perforations _____

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

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

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

How tested: _____

Length of test _____

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

Walled up with Rock - Well Depth approx. 20'

Form No. 18
8-60

T. 2N R. 24E
County Yellowstone

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

STATE ENGINEER

Owner RAYE + ESTELLE IVIE Address 2517 CARL LANE
MASON ROUND BAY, MONT.

Driller MASON Address _____
Date Started 9-1961 Date Completed 9-'61

Location: Sec 5 T. 2N R. 24E 1/4 Sec. LOT 100 NENE

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

Water use Domestic Municipal Stock
Industrial Drainage Other _____

Casing: 1 ft. to 35 ft. Type Corrugated metal Size 30"

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

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

Perforated or screened _____ ft. 20 - to ft. 35 Ft. _____ to Ft. _____

Type of screen or perforations Casing perforated

Static water level for non-flowing well: _____ 20 feet.

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

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

How tested: _____

Length of test _____

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

Gravel packed around casing

File No. 1972

T. 2 N. R. 24 E
County Yellowstone

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....
Owner ORVILLE LANE Address MOLT, MONT. 5707

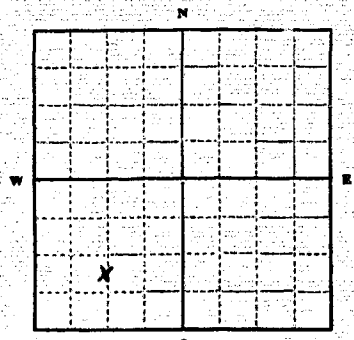
Contractor (if any)

Address of Contractor

Date Started 17 of May 72 Date Completed May 18, 1972

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

Natural flow
Impound



NE 1/4 Sec. 7 T. 2 N. R. 24 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 1/2 hour per

Doc. No. 910298
Filed for record
this 3rd day of July
A. D. 19 72 at 1102
o'clock A.M.

Signature of Owner Orville Lane
Date June 27, 1972

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

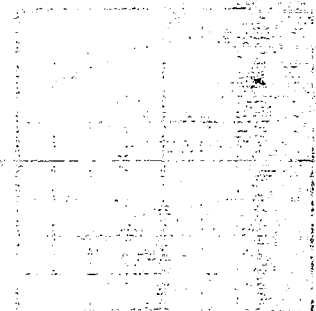
Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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.

910798

STATE OF MONTANA
County of Yellowstone
I, _____, Clerk of the County of Yellowstone, do hereby certify that the within and foregoing is a true and correct copy of the _____ as the same appears from the records of the County of Yellowstone.



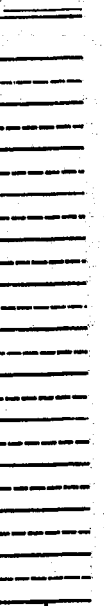
THE CLERK OF THE COUNTY

STATE OF MONTANA }
County of Yellowstone } ss.
I, _____, Clerk of the County of Yellowstone, do hereby certify that the within and foregoing is a true and correct copy of the _____ as the same appears from the records of the County of Yellowstone.

JUL 8 1972
11:02 AM

By: *[Signature]*
Deputy

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bottom

910804

STATE OF KENTUCKY

11.08

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1000.000

STATE OF KENTUCKY } 53.
Department of Transportation }
Kentucky State Police }
JUL 8 1972 }
11.08 }
Deputy

File No.....

T.... 2N ...R... 24E

ORIGINAL

County.... Yellowstone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

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

STATE ENGINEER

I, Elizabeth Mainwaring, of 2224 Elm Billings
(Name of Appropriator) (Address) (Town)

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

SESESW, Sec. 8 T. 2N R. 24E
indicate point of appropriation
and place of use, if possible.
Each small square represents
40 acres.

2. The beneficial use on which the claim is based
Stock well
3. Date or approximate date of earliest beneficial
use; and how continuous the use has been
1905 - Homestead.
Continuous use
4. The amount of groundwater claimed (in miner's
inches or gallons per minute)
Don't know
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
Don't know
8. The depth of water table - 10 feet
9. So far as it may be available, the type, size and depth of each well or the gen-
eral specifications of any other works for the withdrawal of groundwater
15 feet deep, 5 feet diameter, walled up with stone
10. The estimated amount of groundwater withdrawn each year - Don't know
11. The log of formations encountered in the drilling of each well if available
Unknown
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 Elizabeth Mainwaring
Elizabeth Mainwaring 12/30/63

Three copies to be filed by the owner with the County Clerk and Recorder of the
county in which the well is located.
Please answer all questions. If not applicable, so state, otherwise the form will
be returned.
Original to the County Clerk & Recorder; Duplicate to the State Engineer; Triplicate
to the Montana Bureau of Mines and Geology, and Quadruplicate for the appropriator

721481

STATE OF MONTANA
County of Yellowstone

This instrument was filed in my office
this DEC 8, 1963

at 9:44 A M.

By [Signature]

721483

STATE OF MONTANA,
County of Yellowstone,

This instrument was filed in my office
this DEC 11 day of 1963

at 9:43 o'clock A. M.)

Edmon S. Redding,
County Clerk & Recorder

By [Signature] Deputy

Form No. 18
8-6C

T. 2A R. 24
County Yellowstone

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER

Owner John Ubrich Address Acton Montana

Driller L.E. Anderson Address: _____

Date Started October 1, 1939 Date Completed Nov. 8, 1939

Location: Sec. 10 T. 24 R. 24 S. Sec. drilled Churn drill

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

Water use Domes Municipal Stock Irrigation

Industrial Drainage Other: _____
Casing: 0 ft. to 224 ft. Type 40 lb. Black Size 6 inch

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

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

Perforated or screened _____ ft. to _____ ft. _____ to Ft.

Type of screen or perforation _____

Static water level, for non-flowing well: 20 feet.

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

Pumping water level 224 feet. at 2 1/2 gal. per min.

How tested: Machine Baler

Length of test: _____

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

Total depth 525

RECEIVED

GAZETTE PRINTING

File No. JUL 5 1972

T. 2 N. R. 24 E

DUPLICATE

County Yellowstone

MONTANA DEPARTMENT OF MINES AND GEOLOGY

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1915

Owner Orrille Lane Address Malt, Mont. 59057

Contractor (if any) none

Address of Contractor

Date Started 5-15-72 Date Completed 5-15-72

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

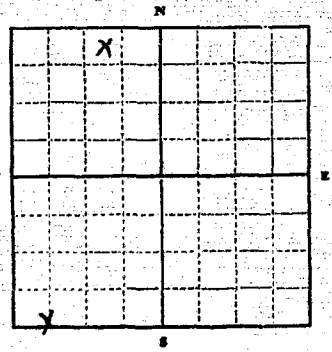
Natural flow

Improved

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 17 months

per year



9 1/4 Sec 17 T2N R24E
Indicate point of appropriation and place of use, if possible.

NW 1/4

Doc. No. 910293
Filed for record
this 3rd day of July
A. D. 1972 at 10:52
o'clock P.M.

Signature of Owner Orrille Lane

Date June 27, 1972

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.

910793

STATE OF KENTUCKY }
COUNTY OF [unclear] } ss.
I, the undersigned, Clerk of the Court, do hereby certify that the within and foregoing is a true and correct copy of the original as the same appears in my office.

APR 3 1972
10:57 A

Jew
22

GW-4

File No.

T. 2nd R. 24th 32

DUPLICATE

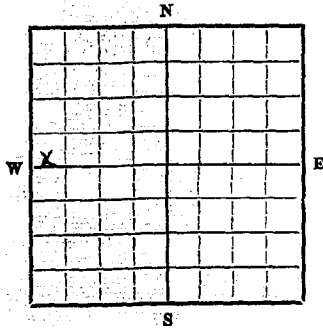
County.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

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

1. W. Ralph + Dorothy Papella, of Acton
(Name of Appropriator) (Address) (Town)
County of Yellowstone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S 1/4 NW Sec. 32 T. 2. N. R. 24 E

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

- 2. The beneficial use on which the claim is based Household use
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continual use since 1912
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1/2 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 none
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pressure Pump
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1912
- 8. The depth of water table 15 ft.
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled well, 10 inch diameter, 100 ft deep
- 10. The estimated amount of groundwater withdrawn each year 3650 gallons
- 11. The log of formations encountered in the drilling of each well if available none
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner W. Ralph Papella
Date Dec. 27, 1963

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

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

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

GV 4

File No.

T 2^N R 24 32
County

DUPLICATE

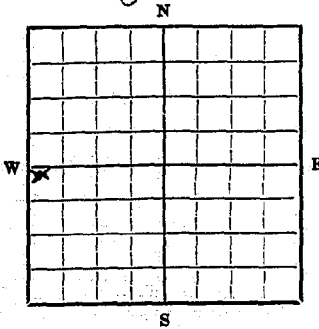
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. W. Regal & David Sopella, of Acton
(Name of Appropriator) (Address) (Town)
County of Yellowstone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 SW 1/4 Sec 32 T2N R24E

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 1921
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 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 none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump Jack
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1921
8. The depth of water table 15 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 Doubled well, 14 inch diameter, 47 ft deep
10. The estimated amount of groundwater withdrawn each year 10,000 gal per year
11. The log of formations encountered in the drilling of each well if available none
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

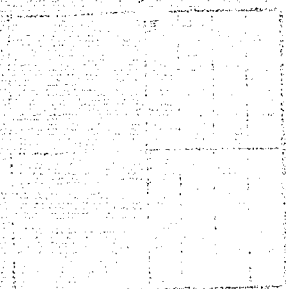
Signature of Owner W. Regal Sopella
Date Dec. 27, 1963

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

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

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

721040



NOT RECORDED
RECORDED TO BE RECORDED
RECORDED TO BE RECORDED
RECORDED TO BE RECORDED
RECORDED TO BE RECORDED

STATE OF MONTANA
County Clerk & Recorder
This is a true and correct copy of the original as shown in my office
Date DEC 27 1919
at 1:24 P.M.
County Clerk & Recorder
By [Signature] Deputy

RECORDED TO BE RECORDED
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Well No. 1
RECEIVED
STATE ENGINEER

T. 2 R. 24E
County Yellowstone

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: *Harold Cokley* Address: *Billings Box 1774*
Driller: *Clyde Sando* Address: *1141 Madison Billings*
Date Started: *July 17-1959* Date Completed: *July 20-1959*
Location: Sec. *36* T. *2* R. *24E* $\frac{1}{4}$ sec.

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other:

Casing: *0* ft. to *6.0* ft. Type *galv* Size *6 inch*

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: feet.

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

Pumping water level: feet at *1.0* gal. per min.

How tested:

Length of test:

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

(over)

Form No. 18
8-60

T. 2N R. 24E
County Yellowstone

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

RECEIVED
STATE ENGINEER

Owner IVIE, RAYE + ESTELLE Address 2517 CARL, Billings

Driller ? Address _____

Date Started Homestead Date Completed ?

Location: Sec. _____ T. _____ R. _____ $\frac{1}{4}$ Sec. NW¹NW⁴

Type of well Plug Equipment used _____
(Dug, driven, or drilled) (Sump, drill, rotary other)

Water use Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: 1 ft. to 24 ft. Type Steel Size 4"

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: _____ feet.

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

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

How tested: _____

Length of test _____

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

File No.

T. R.

DUPLICATE

County Yellowstone

MONTANA WATER RESOURCES BOARD

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

Top of Ground JUL 2 1969

(Elev. above sea level)

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Bar Diamond Ranch Address Route 3, Alexander Road, Billings

Driller Clyde Sando Address 1552 Dickey Rd., Billings, Montana

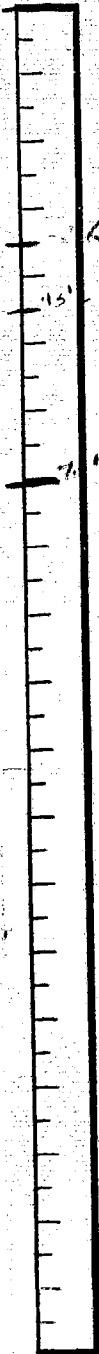
Date of Notice of Appropriation of Groundwater 6-30-69

Date well started 6-19-69 Date Completed 6-30-69

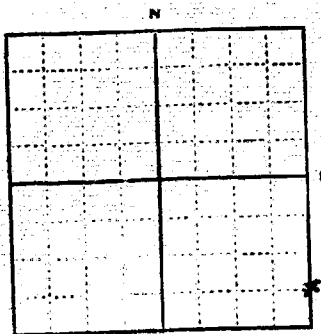
Type of well 6" drilled Equipment Used cable tool
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

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"	6'8" surface pipe 70'-4" 1 1/2" black	surface-	70'	5' from bottom	55'-65'	perforated



SE Sec. 17. T. 2N R. 25E
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 55' feet.

Shut-in Pressure for Flowing Well ----

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

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

How Tested baler Length of Test 1 1/2 hr.

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

Driller's License Number

Clyde Sando
Driller's Signature

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

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

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

46397

843841

RECEIVED
GENERAL INVESTIGATIVE DIVISION

JUN 20 1968

3.40 8

Faw
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TREASURY
DEPARTMENT
WASHINGTON, D.C.

RECEIVED

County Yellowstone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

APR 14 1973

DRILLER'S LOG

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner JAMES R. CLARK
 Address ACTON
MONTANA
 Date well started 4-9-73
 completed 4-12-73

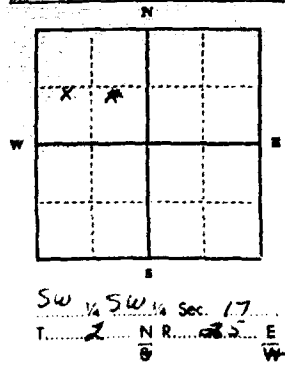
For Administrator's Use	
File	<u>932037</u>
Date	<u>April 18, 1973</u>
GW 1	<u>1:00 p.m.</u>

Type of well DRILLED
 (Dug, driven, bored or drilled)
 Equipment used ROTARY
 (Churn drill, rotary or other)
 Water Use: Domestic Municipal Stock Irrigation
 Industrial Drainage Other Garden/Lawn

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Size	From (Feet)	To (Feet)
<u>7"</u>	<u>5" PLATE</u>	<u>24</u>	<u>120</u>	<u>1/8" SLOT</u>	<u>30</u>	<u>120</u>



Static water level 30 ft.
 Pumping water level 115 ft.
 at 5 gallons per minute,
 measured 20 minutes after pumping began.
 *Measured from ground level.
 Well developed by AIR
 for 1 hours.
 Power N.A. Pump N.A. HP
 Remarks: (Gravel packing, cementing, packers, type of shutoff)
PACKING @ 10 FT
TOP

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
<u>0</u>	<u>30</u>	<u>TOPSOIL</u>
<u>20</u>	<u>35</u>	<u>SANDSTONE</u>
<u>15</u>	<u>85</u>	<u>AMTOWITZ SHALE</u>
<u>85</u>	<u>120</u>	<u>SHALE WITH SAND STRIPS</u>
		<u>WATER 30 FT</u>
		<u>85 TO 110 FT</u>
		<u>WATER 2 FT</u>
		<u>30 FT</u>

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

Driller's Signature J. J. B...
 Driller's Address 31113 PARKWAY DRIVE
BILLINGS MONT LICENSE NO 197

120 Show exact depth of bottom

932037

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

This instrument was filed in my office

this 18 day of APR 1973

at 1:00 o'clock P M.

MERRILL S. KLUNDT
County Clerk & Recorder

By Jaw Deputy

2

File No. 212

T. _____ R. _____

ORIGINAL

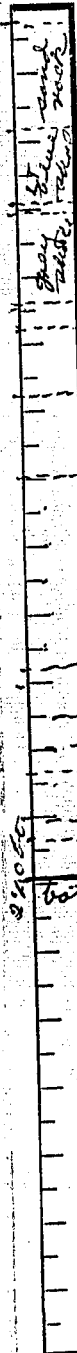
County Yellowstone

MONTANA WATER RESOURCES BOARD
RECEIVED

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)



Top of Ground 0 to 2 ft. soil (Elev. above sea level.....) MAY 8 1969

Bar Diamond Ranch, a 2047 Pryor Lane, Owner Yellowstone Montana Corporation, Address Billings, Montana 59101

Driller Clude Sando Address 1553 Dickie Rd. Bt. 2 Billings, Wyo. 59101

Date of Notice of Appropriation of Groundwater _____

Date well started 3-3-69 Date Completed 4-9-69

Type of well drilled Equipment Used cable
(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)
6"	6" 18 gauge galv.	0	240	3/8" hole	200	240

Static Water Level for non-flowing Well 140 feet.

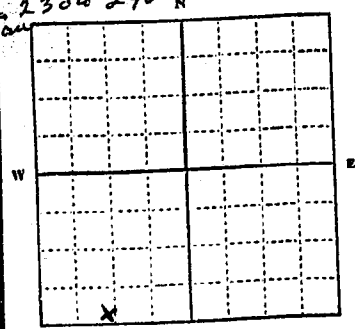
Shut-in Pressure for Flowing Well not apply

Pumping Water Level _____ feet at 7 gal. per minute.

Discharge in gal. per min. of flowing well not apply

How Tested bailey Length of Test _____

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) _____



SW 1/4 Sec 21. T2N. R26E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Driller's License Number 2

Driller's Signature Clude Sando

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.

45,193

STATE OF MONTANA }
County of Yellowstone } ss.

John M. Dietrich, Jr., having first been duly sworn, deposes and
Treasurer of Bar Diamond Ranch,
say s. that he is of lawful age and is the Secretary of the appropriator
and claimant of the order and water right mentioned in the foregoing notice of
completion of groundwater appropriation without well and the person whose name is
subscribed thereto, as the appropriator and claimant, that he knows the
contents of said foregoing notice and that the matters and things therein stated are true.

BAR DIAMOND RANCH

by John M. Dietrich
Secretary-Treasurer

Subscribed and sworn to before me, this 1st day of May, 1969.

Charles Schlabach
Notary Public for the State of Montana.

Residing at Billings, Montana.

My Commission expires Jan. 20, 1971.

840735

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

This instrument was filed in my office

this MAY 7 1969 19

at 3:12 P M.

ROBERT H. BLUNDT
County Clerk & Recorder

J. and Deputy

2nd

GW-1

File No.

T. 2N R. 26

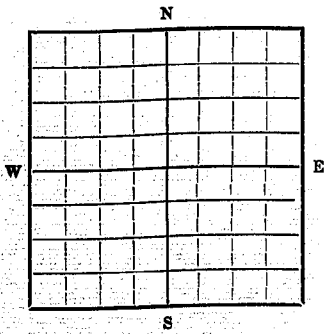
DUPLICATE

County

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER
Declaration of Vested Groundwater Rights
 (Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
 DEC 30 1963
 STATE ENGINEER

1. Mary Kumbel, of Rt #3 Billings
 (Name of Appropriator) (Address) (Town)
 County of Yellowstone State of Montana
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 N 5 Sec 23 T26 R2N
 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
3. Date or approximate date of earliest beneficial use; and how continuous the use has been unknown
4. The amount of groundwater claimed (in miner's inches or gallons per minute) unknown
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 Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater unknown
8. The depth of water table 60
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 120 ft.
10. The estimated amount of groundwater withdrawn each year unknown
11. The log of formations encountered in the drilling of each well if available unknown
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None

Signature of Owner Mary Kumbel
 Date Dec 23, 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 School of Mines and Quadruplicate for the Appropriator.

16194

721201

VA For All...
 unblended to help...
 address...
 of...
 ...

STATE OF MONTANA
 County of...
 This in... in my office
 this DEC 29 1963
 at 12:09 P. M.
 County Clerk & I. der
Jew Deputy
24

...
 ...
 ...
 ...
 ...

File No.
DUPLICATE

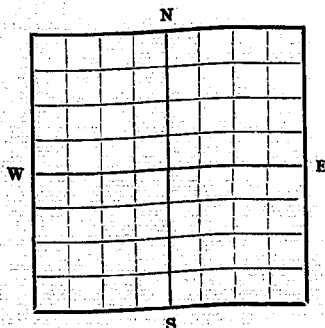
T 2^N R 2^W 23
County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

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

1. Mary Kumbel of Rt #3 Billings
(Name of Appropriator) (Address) (Town)
County of Yellowstone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 N 2 Sec 23 T 2 N R 26
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 & Household
3. Date or approximate date of earliest beneficial use; and how continuous the use has been unknown
4. The amount of groundwater claimed (in miner's inches or gallons per minute) unknown
5. If used for irrigatic, 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 Pumps
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater unknown
8. The depth of water table 54
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 60 ft
10. The estimated amount of groundwater withdrawn each year unknown
11. The log of formations encountered in the drilling of each well if available unknown
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner Mary Kumbel
Date Dec 23 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 School of Mines and Quadruplicate for the Appropriator.

721211

... of ...
... of ...
... of ...

STATE OF MONTANA
County of

DEC 30 1968

12-28 P

Com.
Jaw
2a

... of ...
... of ...
... of ...

STATE WATER CONSERVATION BOARD

File No.

MAR 22 1966

T. 2N R. 26E

DUPLICATE

Bill Mc Dermott
 Bu McNelly
 Co Morton
 Dist Sullivan

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

County Yellowstone

Top of Ground
 (Elev. above sea level 7000)
 1-1 ft top soil
 1-4 yellow sand rock
 4-7 Brown Shale
 7-42 yellow sand rock
 42-48 Dark Shale
 48-53 fine gray sand rock
 53-80 Sandy Shale
 80-84 hard rock
 84-125 Bentonite and shale
 125-135 Coarse Sandrock
 135-150 Blue Shale

Notice of Completion of Groundwater Appropriation by Means of Well

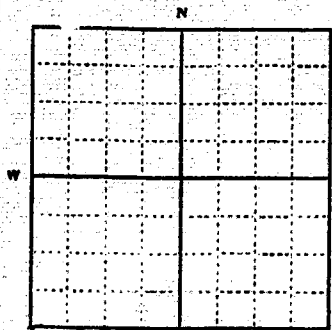
(Under Chapter 287, Montana Session Laws, 1961)

Owner George Michael Address 302 to 38 St
 Driller Adolph Hoening Address 1020 Filmore
 Date of Notice of Appropriation of Groundwater Jan 14-66
 Date well started Feb 7-66 Date Completed Feb 17 66
 Type 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	From (Feet)	To (Feet)
6 3/4	20 ga Sheet metal 6 in	Top	150	factory perf 1/4 in	130	150



TRACT 49574
 Sec. 22 T. 2N R. 26E
 Indicate location of well and place of use, if possible. Each small square represents 10 acres.

150 ft Show exact depth of bottom.

Static Water Level for non-flowing Well 75 ft from surface
 Shut-in Pressure for Flowing Well
 Pumping Water Level 135 feet at 12 gals. gal. per minute.
 Discharge in gal. per min. of flowing well
 How Tested bailey Length of Test 1 1/2 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) none

well also has 8 1/8 of 8 in heavy surface casing

132
 Driller's License Number
Adolph Hoening
 Driller's Signature

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

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

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

40909

774892

STATE OF MONTANA,
County of Yellowstone.

This instrument was filed in...

this MAR 18 1906
at 3:30 o'clock P. M.

Edmon S. Hedding,
County Clerk & Recorder

By Paul Lock Deputy

2.00

File No. W2

T. 2W R. 265

TRIPLICATE

MONTANA WATER RESOURCES BOARD

County Yellowstone

RECEIVED

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level.....)
JAN 10 1968

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Mike R. Attagchi 4 1/2 miles N on Road up R.
Calhoun Montana

Driller Ray D. Pineda Address 2155 Elberta Ave.

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

Date well started..... Date Completed.....

Type of well drilled Equipment Used Cable Tool
(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.



Land Road
Brayhole - 7 in
very rare intermittent sand shells of rock
hard sand rock with intermittent layers of shale
they rarely show
very rare rain water bearing sand

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" ID 5#	0'	150'	5/8"	120'	150'

Static Water Level for non-flowing Well..... 70' feet.

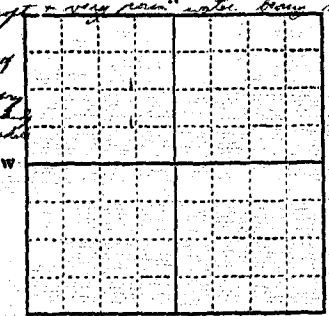
Shut-in Pressure for Flowing Well.....

Pumping Water Level..... 130' feet at..... 10 gal. per minute.

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

How Tested..... bar Length of Test..... 1 hr

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



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

Show exact depth of bottom.

Driller's License Number 170

Driller's Signature Ray D. Pineda

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.

42,747

812575

STATE OF MONTANA,
County of Yellowstone.

This instrument was filed in my office

on JAN 9 1968

at 8:00 A.M.

[Signature]
Deputy

200

26
3

File No.

T. 2 N. R. 26 E

DUPLICATE

County Yellowstone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 9 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.....)

From 0 ft. to 1 ft.—top soil
 1 ft. to 30 ft.—Brown sandy shale
 30 ft to 38 ft - sand rock
 38 ft to 67 ft - dark shale
 67 ft to 73 ft - dark sand rock
 73 ft to 130 ft - dark shale
 130 ft to 140 ft - light gray sand rock
 140 ft to 160 ft - gray shale
 160 ft to 170 ft-gray sand rock
 170 to 215 ft- dark gray sand rock
 215 to 220 ft-dark shale

Owner Carole Cunningham and Midland National Bank as Trustee Address Billings, Montana
 Driller Larry E. Johnson Address 1145 Lynn Ave. Billings, Montana

Date of Notice of Appropriation of Groundwater.....
 Date started March 1, 1958 Date Completed March 8, 1958

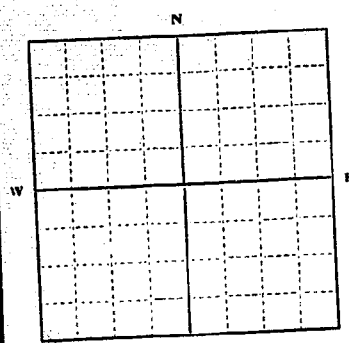
Type of well Drilled Equipment Used Cable Tools
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

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)
6 3/4"	6" O.D. 11# per ft.	1 ft above grade	160	open hole below casing		

Unit 15



W 1/4 Sec. 26 T. 2 N R. 26 E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

220 ft

Static Water Level for non-flowing Well 45 ft. from surface feet.
 Shut-in Pressure for Flowing Well.....
 Pumping Water Level..... 200 feet at 20 gal. per minute.
 Discharge in gal. per min. of flowing well.....
 How Tested Baler Length of Test 4 hours

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

First water noticed 135 ft. bad water, the flow was 3 gal per min. top water cased off at 158 ft.
Second water at 170 ft.

#4
Driller's License Number
Larry E. Johnson
Driller's Signature

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

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

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

5331

712168

C

STATE OF MONTANA,
 County of Yellowstone.

This instrument was filed in my office
 this 3 day of Aug, 1913
 at 11 o'clock P. M.

Edmond S. Harding,
 County Clerk & Recorder

By J. J. [Signature] Deputy

200

26

File No.

T. 2 N. R. 26 E.

DUPLICATE

County Yellowstone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 9 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

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

From 0 ft to 1 ft-top soil
1 ft to 32 ft-brown sandy shale
32 ft to 102 ft-gray sandy shale (bentonite)
102 ft to 130 ft-dark shale
130 ft to 140 ft-sand rock
140 ft to 440 ft-dark sandy shale

Owner **Robert G. and Lorraine N. Langston** Address **Billings, Montana**

Driller **Leroy E. Johnson** Address **1145 Lyn Ave. Billings, Montana**

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

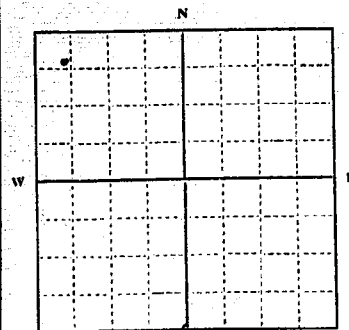
Date well started **Feb. 5, 1958** Date Completed **March 19, 1958**

Type of well **Drilled** Equipment Used **Cable tools**
(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)
6 3/4"	8" - 29lbs surface casing	0	10	6" Factory Pref	130	200
	6" sheet metal	0	200			



Center of Survey **732**
W. 1/4 Sec. 26 T. 2 N. R. 26 E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

440 ft.

Static Water Level for non-flowing Well..... 50 feet.

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

Pumping Water Level..... 200 feet at..... 4 gal. per minute.

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

How Tested..... **Bailer** Length of Test..... **4 hours**

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

acres irrigated, if used for irrigation).....

4
Driller's License Number

Leroy E. Johnson
Driller's Signature

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

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

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

5338

712169

STATE OF MONTANA
County of Yellowstone

This instrument of real estate was filed for record
this _____ day of _____

at 11:2 o'clock P.M.

By _____
County Clerk & Recorder

By [Signature] Deputy

8200

File No.

AUG 3 1966

T. 2N R. 26E

DUPLICATE

Bill. McDermott
 Sub. McNulty
 Cont. Marten
 Distant. Sullivan
 District

County Yellowstone

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

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

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner William R. Vota Address Billings, Montana

Driller Great Northern Drig. Address Billings, Montana

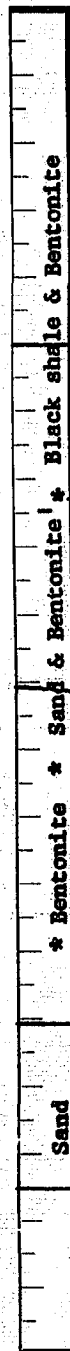
Date of Notice of Appropriation of Groundwater 7-1-66

Date well started 6-21-66 Date Completed 7-1-66

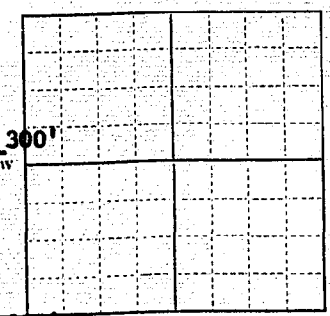
Type of well drilled Equipment Used rotary
 (dug, driven, bored or (Churn, drill, rotary or
 drilled) other)

Water Use: Domestic Municipal Other Irrigation
 Industrial Drainage Stock

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



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
9"	7"-17#	0	350'	slotted	150	225
					275	350



1/4 Sec. 26 T2N. R26E
 Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

**Described as Tract 17,
 of cert of Survey #732
 in the W/2 Section 26
 Township 2 North, Range 26 East**

Static Water Level for non-flowing Well 90 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 180 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested bail Length of Test 5 hours

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

acres irrigated, if used for irrigation)

gravel packed from 150' to 350'

cemented from 5' to 55'

69
 Driller's License Number

James L. ...
 Driller's Signature

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

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

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

782967

STATE OF MONTANA,
County of Yellowstone,

This instrument was filed in my office
AUG 2 1966 day of _____ 19

at 9:10 o'clock A M.

Edmon S. Redding,
County Clerk & Recorder

By Jaw Deputy

2 r

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

**NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL**

Developed after January 1, 1962

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

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

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

Owner Edna + Wm Wilke
Address Route 3
Billings, Montana
Date well started 5-3-73
completed 5-5-73

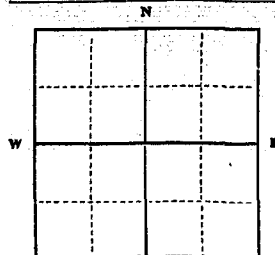
For Administrator's Use
File 935285
Date May 31, 1973
GW 1 12:20 p.m.

Type of well drilled
(Dug, driven, bored or drilled)
Equipment used rotary
(Churn drill, rotary or other)
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other * Garden/Lawn

*Describe
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition). Tract 8 9/5 + 732

ESTIMATED ANNUAL WITHDRAWAL over 6,000,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS	
<u>6 3/4"</u>	<u>5" Plastic</u>	<u>0</u>	<u>107 1/4</u>	<u>drilled</u>	<u>66' 106'</u>



1/4 W 1/4 Sec. 26
T. 4 N. R. 26 E.

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

Driller's Signature Lavern Hewitt
Driller's Address 14023 Roundup Rd Bldg. 5
L & D Drilling LICENSE NO. 188

RECEIVED
JUN 1 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Yellowstone

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)	
From (Feet)	To (Feet)
<u>0</u>	<u>2</u>
<u>2</u>	<u>14</u>
<u>14</u>	<u>40</u>
<u>40</u>	<u>54</u>
<u>54</u>	<u>65</u>
<u>65</u>	<u>87</u>
<u>87</u>	<u>102</u>
<u>102</u>	<u>109</u>
<u>109</u>	<u>107</u>

Top Soil
Sandy clay
Brown sandstone
Gray shaly clay
Blue grayish shale
Gray sandstone
with layers of clay
layers of bentonite and clay
Water at 66' and 85'
Static water level 76'

Show exact depth of bottom

935285

Handwritten notes: 10-10-73, 10-10-73, 10-10-73, 10-10-73

STATE OF MONTANA

MAY 11 1973

12-20

P

Handwritten signature: Paul

20

GV

File No. 678904

T. 2 N R. 26 E

DUPLICATE Sub - 2-23-62

County. Yellowstone

A2 for rd

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
STATE ENGINEER

Declaration of Vested Groundwater Rights

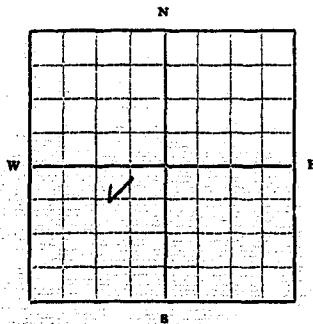
(Under Chapter 237, Montana Session Laws, 1961)

Anna M. Hollister and

1. Wm. J. Bollman, by Omar Harlan, his agent of Billings,
(Name of Appropriator) (Address) (Town)

County of Yellowstone State of Montana

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



$\frac{1}{4}$ Sec. 27, T2N, R 26E

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 is supplying water to 3 two-bedroom homes with baths.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since the fall of 1938 and has been in continuous use.

4. The amount of groundwater claimed (in miner's inches or gallons per acre ft.) is app. 500 gal. per month per home or 1500 gal. month. Pumps will pump 7 1/2 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 No. well water is used for irrigating. They pipe ditch water for irrigating from Billings Bench Water Association.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal is one well by means of electric operated pump in concrete pit below freezing.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater well was deepened 26ft in 1946, but has been in continuous use since the fall of 1938.

8. The depth of water table. The water stands about 38 ft. below ground level.

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 There is only one well. 12ft of casing.

10. The estimated amount of groundwater withdrawn each year app. 18,000 gallon per year.

11. The log of formations encountered in the drilling of each well if available 12 ft. casing by 6" = 12ft to 38ft. grey sandstone, 38 to 60 ft. grey sandstone shaley, 60 to 84 ft. hard sandstone.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record well drilled by Lorin Anderson (deceased) under registration number 43, but was never recorded.

Signature of Owner Anna M. Hollister
Wm. J. Bollman, by
Omar Harlan agent
Date

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.

GW3

File No.

T. 21 N. R. 26 E

29

DUPLICATE

County Yellowstone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 23 1962

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater June 10, 1962

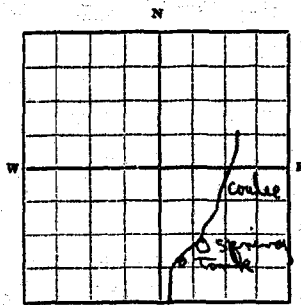
Owner Robert Schack Address Rt # 2 Billings

Contractor (if any) Self

Address of Contractor Rt # 2 Billings

Date Started May 5, 1962 Date Completed June 10, 1962

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring - sub irrigation and other natural processes. water 4 feet from surface in collection box



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

29
25W, 25E, Sec. 10 T. 21 N. R. 26 E

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

used in normal rotation of pastures year around - flow from 1 to 2 gallons per minute

Signature of Owner Robert H. Schack

Date Dec 27-1962

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

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

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

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

697630

STATE OF MONTANA }
County of Yellowstone }

This instrument was filed in my office
this DEC 27 1967

at 11:06 PM

CHRIS HUNT, County Recorder

By [Signature] Deputy

GW 104

File No.

DUPLICATE

T 2 N R 26 E 32
County Yellowstone

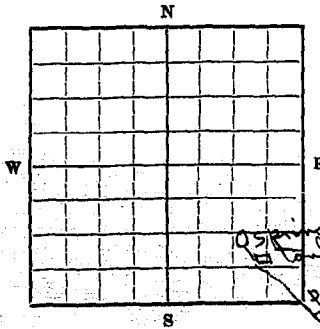
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

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

STATE ENGINEER

1. Robert H. Schuck, of Rt 5 Alexander Rd. Billings
(Name of Appropriator) (Address) (Town)
County of Yellowstone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 SE 1/4 Sec 32 T2N R26E

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 & domestic use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since developed in 1910 used continuously since that time.

4. The amount of groundwater claimed (in miner's inches or gallons per minute). Approximately 4 to 5 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 None

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Spring flowing from 2000 gallon collection box to gravity pipeline & tanks

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater to the best of my information developed in about 1910

8. The depth of water table Water vein approximately 6 feet from surface

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater collection box storage tank and gravity pipe line to house & stock tanks.

10. The estimated amount of groundwater withdrawn each year 4 to 5 gals / minute

11. The log of formations encountered in the drilling of each well if available This spring has not been recorded None

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 to my knowledge

Signature of Owner Robert H. Schuck

Date Dec 21-1967

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.

697688

STATE OF MONTANA
County of Yellowstone

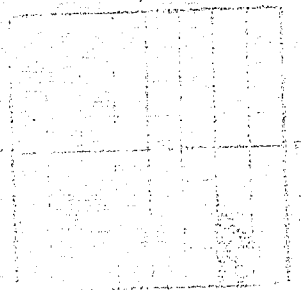
This instrument was filed in my office

this 11 day of DEC 27 1962

at 11:02 A

CHRIS RUPPEL, County Recorder

By [Signature] Deputy



RECORDED
INDEXED
COUNTY CLERK
COUNTY OF YELLOWSTONE
MONTANA

G-1

File No.

DUPLICATE

T2N R26E 33
County Yellowstone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

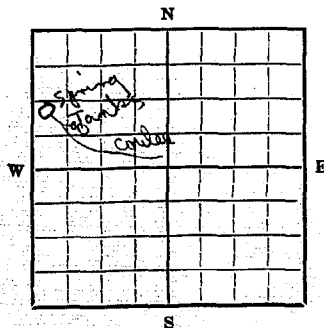
RECEIVED

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Robert H. Schock, of Rt # 3 Billings
(Name of Appropriator) (Address) (Town)
County of Yellowstone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 NW 1/4 Sec. 33 T2N R26E

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 1910 - used continuously for stock water since that time

4. The amount of groundwater claimed (in miner's inches or gallons per minute) from 2 to 3 gallons per minute in pipe to tanks

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 Underground water pressure and gravity flow

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Spring was developed in 1910

8. The depth of water table About 6 feet to the water main

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 The works consist of collection box and pipe to stock tanks

10. The estimated amount of groundwater withdrawn each year 2 to 3 gallons per minute

11. The log of formations encountered in the drilling of each well if available None

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 By my knowledge, this spring has not been recorded

Signature of Owner Robert H. Schock
Date Dec. 27 - 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.

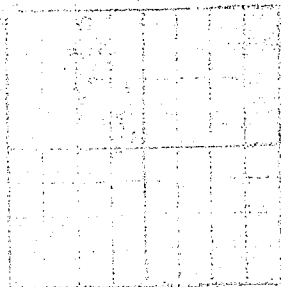
697687

STATE OF MONTANA ss.
County of Yellowstone

This instrument was recorded in my office
this _____ day of _____ **DEC 27 1962**
at 11:00 o'clock A M.

CHRIS RUBIO, County Recorder
By [Signature] Deputy

26



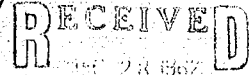
GWS

File No.

DUPLICATE

T. 2 N. R. 26 E

County Yellowstone



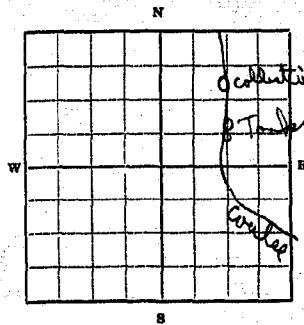
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Dec. 20, 1962
Owner Robert Schock Address Rt #3 Billings
Contractor (if any) Self
Address of Contractor Rt #3 Billings
Date Started July 10, 1962 Date Completed Dec. 20, 1962



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring - by sub-irrigation and other natural processes - water within benches of surface - depth of vein about 6 feet from 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

N.W. 1/4 of Sec. 33, T. 2 N. R. 26 E

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

Measured flow 5 to 6 gallons/minute to be used steady for stock water in normal rotation of pastures

Signature of Owner

Robert H. Schock

Date Dec. 27, 1962

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

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

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

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

697689

STATE OF MONTANA ss.
County of Yellowstone

This instrument was filed in my office
this 27 day DEC 1962

at Bozeman Montana
CHRIS TIMBICH, County Recorder
By [Signature] Deputy