

127108

DOC. NO.

WATER WELL LOG FILE NO. 357

LAWRENCE C. RATH

TO

THE PUBLIC

STATE OF MONTANA)
)SS.
COUNTY OF McCONE)

OFFICE OF COUNTY CLERK & RECORDER.

Filed this 27th day of Dec. 1963, A.D.

at 11:40 o'clock a.m.

Shirley E. Rippe
COUNTY CLERK

FEE \$ 2.00

RECEIVED
JAN 1 1964
STATE ENGINEER

GW:

File No.

609

T.

16 R 46

23

DUPLICATE

County McConeSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEERNotice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level.....)

6 Sandy Loam
12 Yellow Shale
14 Deep and Quick Sand
22 Grey Shale
2 Deep of Water 1 gtx pm
24 Grey Shale
1 Deep Water 1/2 gpm
91 Grey or Blue Shale
16 Water Sand 20 gpm
2 Brown Shale Bottomhole

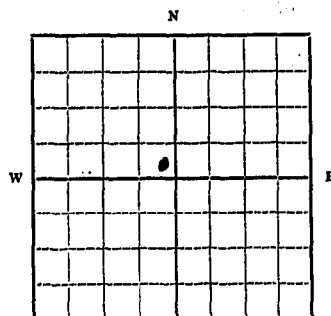
Owner Lawrence Kath Address BrookwayDriller Ira C. Bond Address Terry

Date of Notice of Appropriation of Groundwater - -

Date well started 8/20/64 Date Completed 8/28/64Type of well drilled Equipment Used cabletool
(dug, driven, bored or drilled) (Churn, drill, rotary or other)Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole.	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 5/8"	5 5/8" OD 22#	surface	57'			
	4" ID 11#	57'	202'	burned 5/16"	172'	198'



SF 4 1/4 NW 1/4 Sec 23 T16 R46

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

202

Show exact depth of bottom.

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

Shut-in Pressure for Flowing Well - -

Pumping Water Level 126 feet at 5 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) None

37
Driller's License Number

Driller's Signature

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

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

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

38461

LAWRENCE RATH

TO

THE PUBLIC

WATER WELL LOG FILE NO. # 609

DOC. NO. 128273

State of Montana }
County of McCone }

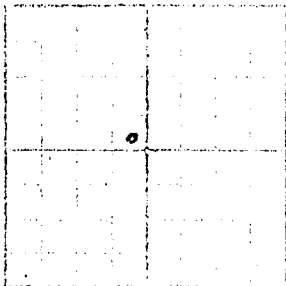
Office of Clerk and Recorder.

Filed this 11th day of
September A. D. 1964

at 4:30 o'clock P. M.

By *Lawrence Rath* Clerk and Recorder

Fee \$ 2.00 Deputy



Water Well Log File No. 609
Doc. No. 128273
Filed September 11, 1964
at 4:30 P.M.
Lawrence Rath, Clerk and Recorder
McCone County, Montana
Fee \$2.00

GW

Approved Stock Form—State Publishing Co., Helena, Montana—3845

File No. 362T. 16 R. 46

DUPLICATE

County McCone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

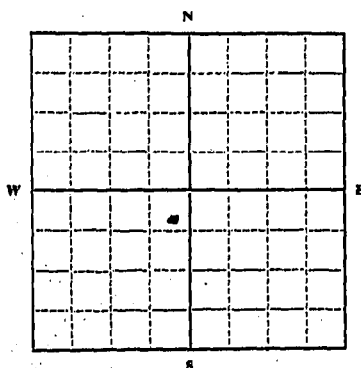
RECEIVED
JAN 16 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. HENRY A. THOENY, of BROCKWAY
(Name of Appropriator) (Address) (Town)
County of McCone State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec 26, T.16, R.46

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 for water
livestock

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been since 1921 the
well has been in continuous
use.

4. The amount of groundwater claimed (in miner's inches or gallons
per minute) approximately 10 gallons
per minute.

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

6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal a 2 1/2 in
diameter 1/4 in. and 1/2 in. pump
with a telescopic nozzle.

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

8. The depth of water table 132 ft. total depth of well - 140 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.

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

11. The log of formations encountered in the drilling of each well if available The well was
drilled by Henry I. Johnson of Laramie. Most of the well
has a log.

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

Signature of Owner Henry A. Thoeny

Date Dec 30 1963

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

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

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

36333

Doc. No. 127118

Water Well Log File No. 362.

Henry A. Thoeny

TO

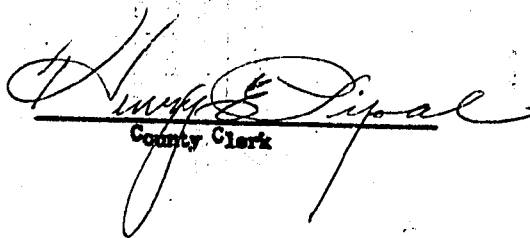
The Public

State of Montana }
County of McCone } ss

OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of December, 1963

A. D., at 11:30 A. M.


County Clerk

Fee: \$2.00

RECEIVED
CIVIL ENGINEER

GW

Approved Stock Form—State Publishing Co., Helena, Montana—3849

File No. 555T. 16 R. 46

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

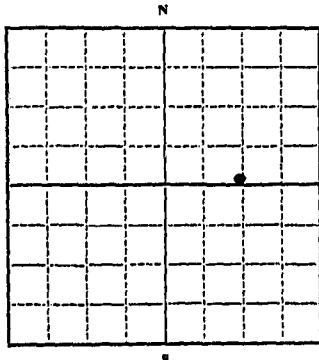
RECEIVED
JAN 16 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Cecil Rath of Brookbury Montana
(Name of Appropriator) (Address) (Town)
County of MCCONE State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 NE 28 T. 16 R. 46

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 well
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1953 Continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 to 8 gal
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
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. 1/2 inch pipe to well with 3/4 inch cylinder
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1953
8. The depth of water table. Don't know
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. 105 ft deep with four inch casing
10. The estimated amount of groundwater withdrawn each year. 45,000 gal
11. The log of formations encountered in the drilling of each well if available. not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. no record

Signature of Owner. Cecil Rath

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.

36527

DOC. NO.

127326

WATER WELL LOG FILE NO. 555

CECIL RATH

TO

THE PUBLIC

STATE OF MONTANA)
COUNTY OF MCGONEGAL)

OFFICE OF COUNTY CLERK & RECORDER

Filed this 3rd day of Jan., 1964, A.D.
at 9:19 o'clock, a.m.

L. Henry & P. J. ...
COUNTY CLERK

FEE: \$2.00

GV

Approved Stock Form—State Publishing Co., Helena, Montana—3849

File No. 556T 16N R 46E

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

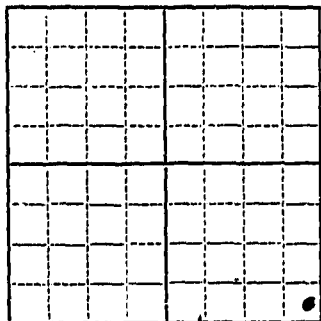
RECEIVED
JAN 16 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Cecil Rath of _____ MONTANA
(Name of Appropriator) (Address) (Town)
County of _____ of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:
MCCONE



SEE Sec 29 T. 16 R. 46

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. 1943

It has been in continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Approximately 3 to 5 gallons per minute when pumping

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

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

1 1/2 inch pipe with 4 inch cylinder & rod

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Approximately Oct. 1943

8. The depth of water table. Don't know

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.

approximately 85 feet deep with 4 inch casing

10. The estimated amount of groundwater withdrawn each year. estimated 50,000 gallons

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

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

no record

Signature of Owner

Cecil Rath

Date

Dec 31, 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.

36528

DOC. NO.

127327

WATER WELL LOG FILE NO. 556

CORREL BATH

TO

THE PUBLIC

STATE OF MONTANA)
COUNTY OF MOON)

OFFICE OF COUNTY CLERK & RECORDER

Filed this 3rd day of Jan., 1924 A.D.
at 9:20 o'clock a.m.

Samuel E. Lipe
COUNTY CLERK

FEE: \$2.00

WATER WELL LOG
FILE NO. 556
CORREL BATH
TO
THE PUBLIC
STATE OF MONTANA)
COUNTY OF MOON)
OFFICE OF COUNTY CLERK & RECORDER
Filed this 3rd day of Jan., 1924 A.D.
at 9:20 o'clock a.m.
Samuel E. Lipe
COUNTY CLERK
FEE: \$2.00

2 LOCK ENTER

1843

2 E 38 16 1/2

GW

Approved Stock Form—State Publishing Co., Helena, Montana—38496

File No. 437T. 16 N R. 46 E

DUPLICATE

County Mc CONE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 16 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

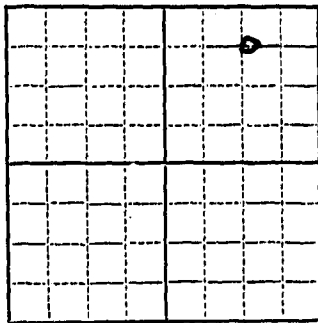
Leo Brast
(Name of Appropriator)

Brockwey
(Address)

(Town)

County of Mc CONEState of MONTANA

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



NE 1/4 NE Sec 30 T. 16 R. 46

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 WELL

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been 1946 and used
every day

4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 5 g.p.m. per M.T.

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
Stock Water

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater 1946

8. The depth of water table 80 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 4 in. 165 ft. depth

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

11. The log of formations encountered in the drilling of each well if available Sandy Soil
Clay Coal Clay 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 No Record

Signature of Owner

Leo BrastDate 12-30-63

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

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

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

36408

DOC. NO. 127196

WATER WELL LOG FILE NO. 437

LEO BROST

TO

THE PUBLIC

STATE OF MONTANA)
)SS
COUNTY OF MOONEN)

OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of Dec., 1963 A.D.

at 1:39 o'clock p.m.


COUNTY CLERK

FEE: \$2.00

RECORDED
INDEXED
DEC 31 1963
MONTANA

GW

Approved Stock Form—State Publishing Co., Helena, Montana—38496

File No. 436T. 16 R. 46

DUPLICATE

County McCone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights JAN 16 1964

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. LEO BROST

(Name of Appropriator)

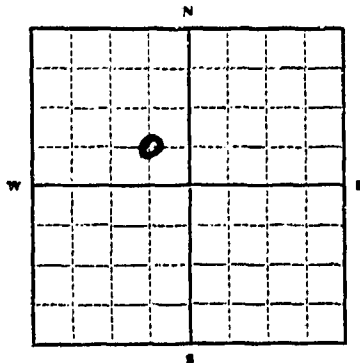
of BROCKWY

(Address)

(Town)

County of McConeState of Montana

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



SE 1/4 NW 31 T. 16 R. 46

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 Well3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been 1945 used
every day4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 5 gals per min5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereofNone6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawalStock Water7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater 19458. The depth of water table 100 ft9. 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 in 20 ft 175 ft Depth10. The estimated amount of groundwater withdrawn each year 300,000 gals11. The log of formations encountered in the drilling of each well if available Sand, silt
clay, coal, gravel and sand, clay sand12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record No record

Signature of Owner

Leo BrostDate 12-30-63

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

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

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

36407

DOC. NO. 127195

WATER WELL LOG FILE NO. 436

LEO BROST

TO

THE PUBLIC

STATE OF MONTANA)
)SS
COUNTY OF McCONE)

OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of Dec., 1963 A.D.

at 1:38 o'clock p.m.

Henry E. Sigal
.....
COUNTY CLERK

FEE: \$2.00

RECEIVED
DEC 31 1963
CLERK'S OFFICE

File No. _____ MONTANA WATER RESOURCES BOARD

T. 16 R. 46 31

TRIPLICATE

RECEIVED

JAN 2 1970

County McConeSTATE 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 Leo Brast Address Brackley, Mont.Driller E. L. Brast Address "

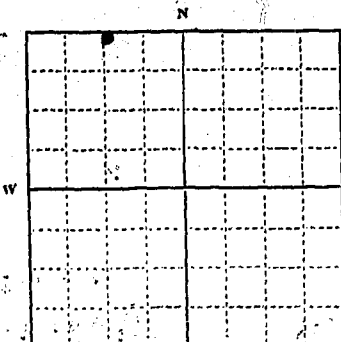
Date of Notice of Appropriation of Groundwater _____

Date well started Dec. 8, 1969 Date Completed Dec. 24, 1969Type of well Drilled Equipment Used Drill
(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.

87 Coal
92 Blue Clay
98 Water Sand
108 Blue Clay
113 Bottom

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Well Size	From (Feet)	To (Feet)
4 1/2"	4" Plastic	Top	113"	8 1/2"	108	
				Drilled Holes		
				3/8"		



NE 1/4 Sec 21, T. 16, R. 46

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

Show exact depth of bottom.

Doc. No. 136178

Filed for record

this 30 day of DecemberA. D. 19 69, at 4:00o'clock P.M.Driller's License Number 45Driller's Signature Edward Brast

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.

46015

136178

Water Well Log #685

State of Missouri
County of Monroe

Office of Clerk and Recorder

Filed this 30th day of
December 1969

at 4:00 o'clock P. M.

Theresa G. Brown
Clerk and Recorder

By _____ Deputy

Fee \$2.00

GV

Approved Stock Form—State Publishing Co., Helena, Montana—38496

File No. 557T. 16 N R. 46 E

DUPLICATE

County McCone

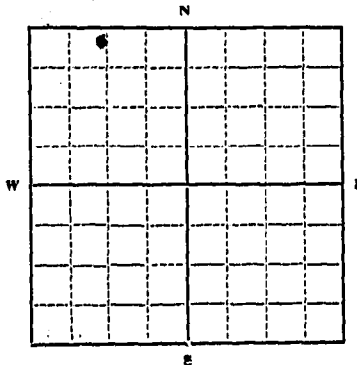
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 16 1964STATE ENGINEER
MONTANA
(Town)

1. Cecil Rath of Brockway
(Name of Appropriator) (Address)
County of McCone State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.W. 1/4 Sec. 32 T. 16 N. R. 46

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

2. The beneficial use on which the claim is based... STOCK WATER
3. Date or approximate date of earliest beneficial use; and how continuous the use has been... 1954
Continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute)... approximately 3 to 8 gallons
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof... no
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... 1 1/2 inch pipe to rock with cylinder
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... Don't know
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... 100 ft. deep 2.5 ft. of steel casing and 7.2 ft. from inch
10. The estimated amount of groundwater withdrawn each year... 50,000 gal
11. The log of formations encountered in the drilling of each well if available... not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record... no record

Signature of Owner

Cecil RathDate 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.

36529

DOC. NO. 127328

WATER WELL LOG FILE NO. 557

CECIL BATH

TO

THE PUBLIC

STATE OF MONTANA)
COUNTY OF McCONE)

OFFICE OF COUNTY CLERK & RECORDER

Filed this 3rd day of Jan., 1964 A.D.

at 9:21 o'clock, a.m.

Kenny E. Sigal
COUNTY CLERK

FEE: \$2.00

WATER WELL LOG
FILE NO. 557
JAN 14 1964

G

Approved Stock Form—State Publishing Co., Helena, Montana—3549

File No.

358

DUPLICATE

T. 16 N. R. 46 E. 32

County

McCone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 16 1964

Declaration of Vested Groundwater Rights

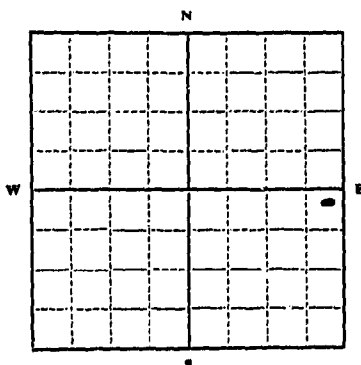
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Lawrence C. Rath, Jr. of Brockway
(Name of Appropriator) (Address) (Town)

County of McCone State of Montana

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



N. 8. 1/4 Sec. 32, T. 16, R. 46

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.

June 1946

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

20 gals. per minute.

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

No

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

Sec. 32-16-46
Windmill and pump 3 inch cylinder.

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

June 12-1946 - June 22-1946

8. The depth of water table.

12.5 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 4 inch casing 13.6 Ft
water is withdrawn with a 1 1/4 inch well pipe and
3 inch cylinder.

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

Lawrence C Rath

Date 12-26-1963

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

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

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

36329

DOC. NO. 127109

WATER WELL LOG FILE NO. 358

LAWRENCE G. RATH

TO

THE PUBLIC

STATE OF MONTANA)
COUNTY OF MCDOWNE)

OFFICE OF COUNTY CLERK & RECORDER.

Filed this 27th day of Dec. 1963, A.D.

at 11:45 o'clock a.m.

Henry E. Ripa
COUNTY CLERK

FEE \$2.00

STATE ENGINEER

GW2

File No.

606

DUPLICATE

T. 16 N R 46 E Sec 33

County

McCONE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

AUG 21 1964

Notice of Completion of Groundwater
Appropriation by Means STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level.....)

0-20 YELLOW LOAM

20-30 YELLOW MUD

30-40 DARK SHALE

w/COAL

40 SMALL SEAGAGE

40-60 GRAY SHALE

60-65 SOFT COAL

65-100 FINE LIGHT
SANDSTONE

100-120 BLUE-GRAY

SANDSTONE
w/WATER

Owner CECIL RATH Address BROCKWAY

Driller HENRY JOHNSON Address TERRY

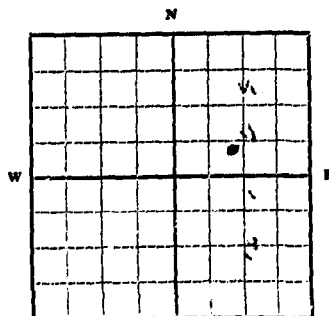
Date of Notice of Appropriation of Groundwater N/A

Date well started JULY 15 Date Completed JULY 16

Type of well DRILLED Equipment Used CHURN
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6	2" 10 19.45 LB	0	31			
5 5/8	4" 10 9.5 LB	31	120	Hole 3 1/8"	70	115



SW 1/4 NE Sec 33 T 16 R 46

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 34 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 100 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested BRILLER 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)

7 FT LAP BETWEEN PIPE

24' - 31'

22
Driller's License NumberHenry 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 School of Mines and Quadruplicate for the Appropriator.

38391

100-150 RITE-644
200-250 RITE-644
300-350 RITE-644

100-150 RITE-644
200-250 RITE-644
300-350 RITE-644

3

100-150 RITE-644
200-250 RITE-644
300-350 RITE-644

3

100-150 RITE-644
200-250 RITE-644
300-350 RITE-644

34

100

10

100-150 RITE-644
200-250 RITE-644
300-350 RITE-644

100-150 RITE-644
200-250 RITE-644
300-350 RITE-644

100-150 RITE-644
200-250 RITE-644
300-350 RITE-644

100-150 RITE-644
200-250 RITE-644
300-350 RITE-644

128175

Water Well Log #606

State of Montana
County of McCone

Clerk of Clerk and Recorder

Filed this 6th day of

August A. D. 1964

at 11:05 o'clock A. M.

Danny E. Engel
Clerk and Recorder

By Deputy

Fee \$2.00

File No. 359T. 16 N 46 E

DUPLICATE

County McCone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

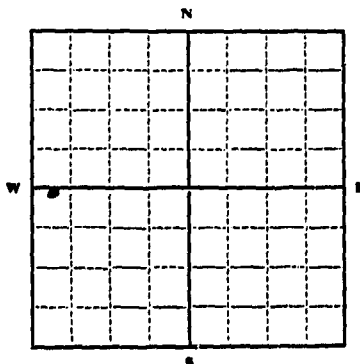
RECEIVED
JAN 16 1964

Declaration of Vested Groundwater Rights

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

STATE ENGINEER

1. Lawrence C. Rath, Brockway
(Name of Appropriator) (Address) (Town)
County of McCone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N. 1/4 Sec. 34 T. 16 N. R. 46 E.

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

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

Stock water

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

Stock water
during summer months
Nov. 1st 1955

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

109913 per m.h.

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

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

Sec 34 T. 16 N. R. 46 E.
Windmill and pump
3 inch cylinder and 1/4 inch well pipe

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

10-26-1955 to Nov. 1st 1955

8. The depth of water table.

70 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 40' of 6" casing + 40 ft of 4" casing
ing - with 1/4" casing at the bottom - well is
80 ft deep.

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.

well was drilled under the
None A.S.C. program in
1955.

Signature of Owner

Lawrence C. RathDate 12-26-63

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.

127110

DOC. NO.

WATER WELL LOG FILE NO. 359

LAWRENCE C. RATH

TO

THE PUBLIC

STATE OF MONTANA)
COUNTY OF McCONE)

OFFICE OF COUNTY CLERK & RECORDER.

Filed this 27th day of Dec. 1963, A.D.

at 11:50 o'clock a.m.

Henry E. Sigal
.....
CO. CLERK

FEE \$ 2.00

STATE OF MONTANA
COUNTY OF McCONE
CLERK OF DISTRICT COURT

File No. _____

MONTANA WATER RESOURCES BUREAU

T 16 N R 46 E

DUPLICATE

RECEIVEDCounty McCone

MAR 11 1968

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

0

20'

30'

Water level level _____)

Sand - 3 gal. per min.

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

(Under Chapter 237, Montana Session Laws, 1961)

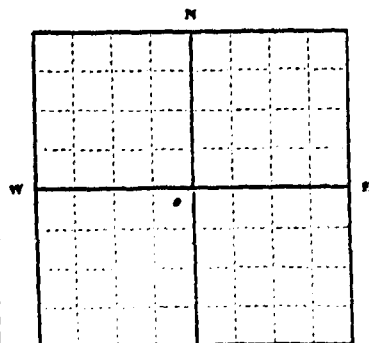
Owner Mor. Pac. Ry. Co. Address St. Paul, Minn.Driller Robert W. Haggerty Address Glendive, Mont.

Date of Notice of Appropriation of Groundwater _____

Date well started 12-6-65 Date Completed 12-9-65Type of well Drilled Equipment Used Churn Drill
(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 1/2"	4" ID 12 lbs. per ft.	0	30'	Slate 1' long X 1/8" wide	20'	30'



NW 1/4 Sec. 35 T. 16N R. 46E

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

30'

Show exact depth of bottom.

Static Water Level for non-flowing Well _____ feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 28 feet at 5 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Bailed 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) _____

6 1/2" hole drilled 4" casingGravel packed outside of casing

65

Driller's License Number

Robert W. Haggerty
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.

43,898

133686

Water Well Log #660.

State of Montana }
County of McCone } ss.

Office of Clerk and Recorder.

Filed this 8th day of

March A. D. 1968

at 8:45 o'clock A. M.

Gloria Y. Brennan
Clerk and Recorder

By *Alice E. Hellen*
Deputy

Fee \$2.00

File No.

T. 16N R. 46E

DUPLICATE

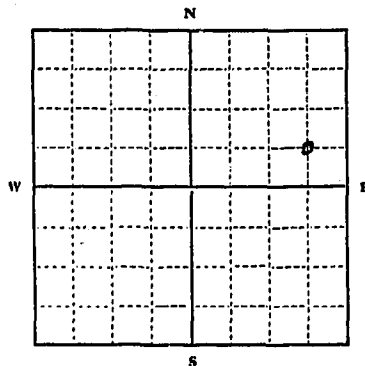
County McCone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 16 1963

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

Northern Pacific Railway Company, of N.P. Bldg. St. Paul
(Name of Appropriator) (Address) (Town)
County of Ramsey State of Minnesota
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SEE 1/4 Sec. 35 T16N R. 46E

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 Water for livestock.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous since 1946.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None.
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 Well, drilled in 1946.
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 70 feet deep - 30 feet 6-inch casing - 40 feet 4-inch casing.
10. The estimated amount of groundwater withdrawn each 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 None available.

Northern Pacific Railway Company
Signature of Owner By J. H. Liberman
Dist. Supervisor, Graz. & Cult.
Date Dec. 11 th 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.

126959

Water Well Log # 274

State of Montana }
County of McCone } sr.

Office of Clerk and Recorder.

Filed this 13th day of

December A. D. 1963

at 9:00 o'clock A. M.

Harry E. Sigal
Clerk and Recorder

By _____ Deputy

Fee \$2.00