



ADMINISTRATIVE OFFICE

126795

Water Well Log # 249.

State of Montana }  
County of McCone } ss.

Office of Clerk and Recorder.

Filed this 18th day of

November A. D. 19 63

at 2:45 o'clock P. M.

*Dwight E. Sigal*  
Clerk and Recorder

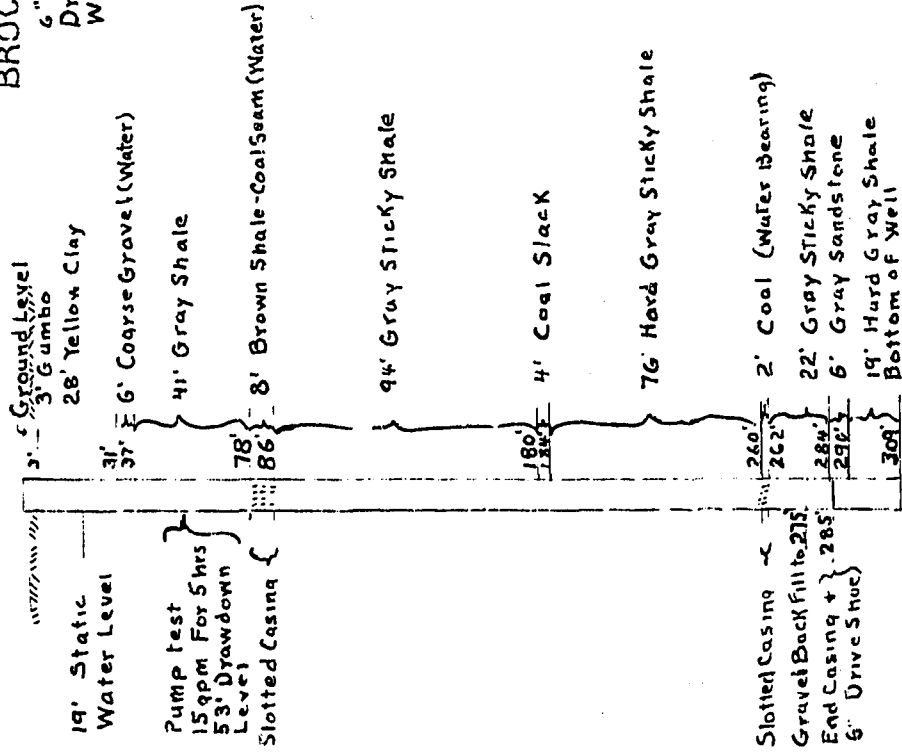
By Deputy

Fee \$2.00

MONT 33A  
Yellowstone Div.  
8th Sub Div.  
April 23, 1956

# BROCKWAY, MONT. Stockyard Well RFE-33-53

6" Well, 309' Deep  
Drilled by E.A. Bodin N.P.R.Y.  
Work begun 7/22/54 Completed 8/2/54

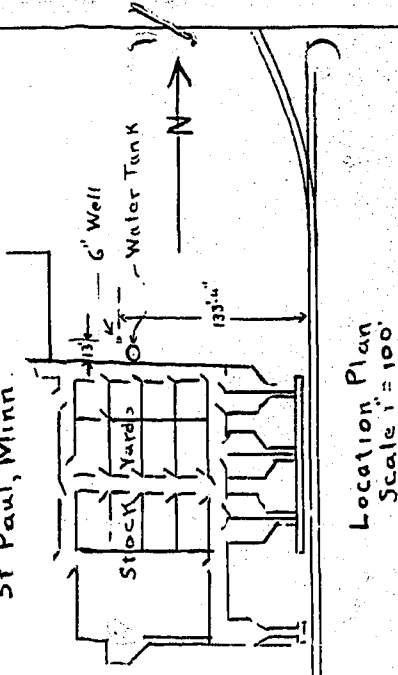


Vertical Scale 1" = 50'

Water Analyses

Calcium Bicarbonate	1.19ppm	Expressed as CaCO <sub>3</sub>
Magnesium Bicarbonate	1.2 "	
Sodium Bicarbonate	34.1 "	
Sulfate	50.0 "	
Chloride	1.7 "	
Silica	0.92 "	
Iron	2.3 ppm	
Fluoride	1.2 "	
pH	8.1	
Total Dissolved Solids	88.1 ppm (Actual)	

Note: See File 1144-1 For Drilling  
and Test data  
Office of Engineer of Water Service  
St Paul, Minn.



Location Plan  
Scale 1" = 100'

RECEIVED  
SEP 21 1957

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

STATE ENGINEER

WATER WELL LOG


Owner: La Vaine Logan Address: Brookway  
Driller: Ira C. Bond Address: Terry  
Date Started: 9/5/57 Date Completed: 9/5/57  
Location: Sec. 20 T. 18 R. 47 1/4 sec. 34

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

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

Casing: surface ft. to 72 ft. Type: steel Size: 4"

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type: \_\_\_\_\_ Size: \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type: \_\_\_\_\_ Size: \_\_\_\_\_

Perforated or Screened: Ft. 52 to ft. 66 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations: Holes

Static Water level, for non-flowing well: 51 feet.

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

Pumping water level: 50 feet at 25 gal. per min.

How tested: Bailer

Length of test: 3 Hours

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

This well was gravel packed to hold out sand.

(over)

RECEIVED  
SEP 21 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner La Vaine Logan Address Brooklyn

Driller Ira C. Bond Address Idaho

Date Started 9/3/57 Date Completed 9/5/57

Location: Sec 20 T. 18 R. 47 1/4 sec. 3-4

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: Surface ft. to 73 ft. Type Steel Size 4"

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 52 to ft. 66 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations Holes

Static Water level, for non-flowing well: 51 feet

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

Pumping water level 50 feet at 25 gal. per min.

How tested: Bailer

Length of test 3 Hours

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

This well was gravel packed to hold out sand.

(over)

## Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	26	Sandy black clay
26	30	Yellow clay and gravel
30	52	Gravel
52	66	water sand-balls 25 ft....
66	72	Gravel bottom of hole

Doc. # 115911

WATER WELL LOG

LaVaine Logan

To -

The Public

State of Missouri

County of Monroe

Office of Clerk and Recorder

Filed this 19th day of

September A. D. 1957

3:05 o'clock P. M.

*[Signature]*

Clerk and Recorder

No fee

20

T. 18 R. 47

County...McGone...

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

RECEIVED  
JAN 5 1961  
STATE ENGINEER


Owner...La Vaine Logan...Address...Brookway, Montana...

Driller...Ira C. Bond...Address...Terry, Montana...

Date Started...December 28, 1960...Date Completed...Dec. 29, 1960...

Location: Sec. 20 T. 18 R. 47 1/4 sec. SW 1/4 of NW 1/4 Lot 2

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

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

Casing: 0 ft. to 60 ft. Type...Steel...Size...4 inch

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

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

Perforated or Screened: Ft. 38 to ft. 55 Ft. to ft.

Type of screen or perforations...3 inch slots 3,16 in wide cut in with torch

Static Water level, for non-flowing well: 30 feet.

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

Pumping water level...52 feet at 6 gal. per min.

How tested: with bailer

Length of test...for one hour

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

hole was reamed to 8 inch, then casing welded in pp with out couplings.  
then hole was filled with gravel outside of casing up to 30 ft.

(over)

## Log of Well

\_\_\_\_\_

20

T. 18 R. 47

County. Mc Cone

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
APR 7 1961

WATER WELL LOG

STATE ENGINEER


Owner. Ray Goodman Address. Brockway, Montana  
Driller. Albert & Edward Brost Address. Brockway, Montana  
Date Started. December 8, 1960 Date Completed. December 16, 1960  
Location: Sec. 20 T. 18 R. 47 1/4 sec. SW 1/4

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

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

Casing: Top ft. to 63 ft. Type. Steel Size 4"

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 46' to ft. 62' Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations. Holes in casing

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

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

Pumping water level: 55' feet at 20 gal. per min.

How tested: Baler

Length of test: 1/2 hour

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

Gravel packed the water Vain

(over)



### Log of Well

[illegible]

Form No. 18  
8-60

20

T. 18 R. 47

County McCone

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
JAN 4 1961

WATER WELL LOG

STATE ENGINEER


Owner Wm M Stule Address Brookings, Mont.

Driller same Address same

Date Started Dec 4, 1961 Date Completed Dec 22, 1961

Location: Sec. 20 T. 18 R. 47  $\frac{1}{4}$  sec. SW $\frac{1}{4}$  of SW $\frac{1}{4}$

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

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

Casing: 0 ft. to 117 ft. Type standard pipe Size 4 in

Casing:            ft. to            ft. Type            Size           

Casing:            ft. to            ft. Type            Size           

Perforated or Screened: Ft. 107 to ft. 117. Ft.            to ft.           

Type of screen or perforations spiral slots cut in casing

Static Water level, for non-flowing well: 46 feet.

Shut-in pressure, for flowing well:            lb./sq. in. on:            (1.0)

Pumping water level 99 feet at 7 gal. per min.

How tested: shut down

Length of test 2 hr.

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

(over)

## Log of Well

[illegible]

File No. ....

T. 18N R. 47E

DUPLICATE

County McCone

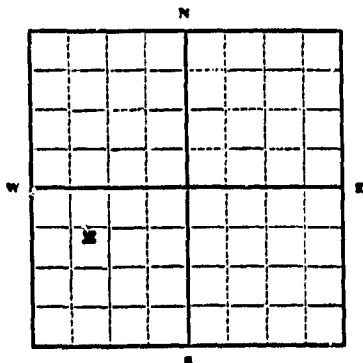
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights** NOV 20 1963

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Northern Pacific Railway Co. of N.P. Agent's House Brookway  
(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:



NW ¼ SW Sec 20 T 18N R 47E

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.....  
Domestic purposes

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been.....  
August 2, 1934 to present

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater.....  
Started July 22, 1934 Completed Aug. 2, 1934

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..... 6 inch drilled well, 80 feet deep

10. The estimated amount of groundwater withdrawn each year..... 100,000 gallons

11. The log of formations encountered in the drilling of each well if available. see attached log 333

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

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 Montana Bureau  
of Mines and Geology, and Quadruplicate for the Appropriator.

1351

126796

Water Well Log # 250

State of Montana }  
County of McCone }

Office of Clerk and Recorder.

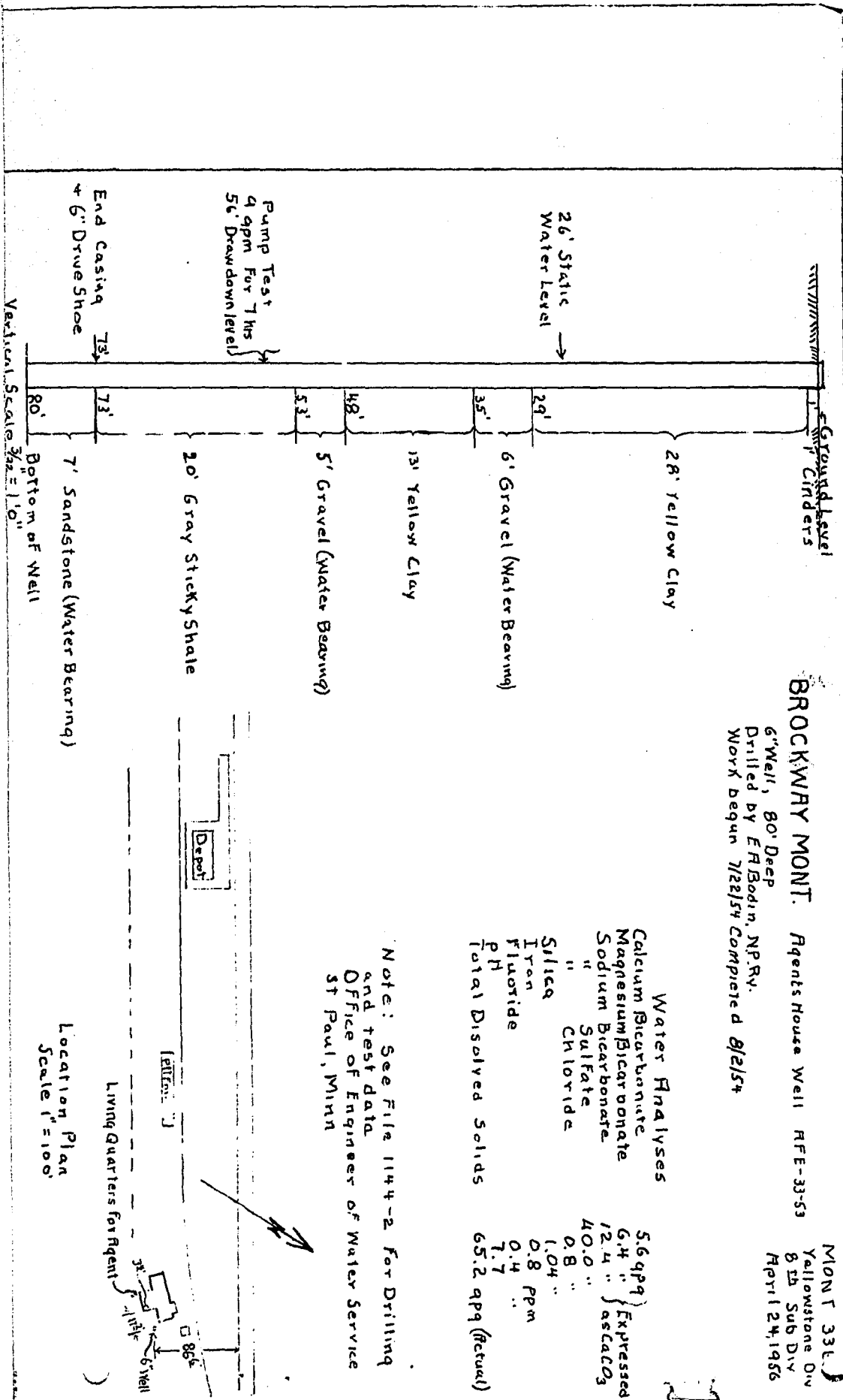
Filed this 18th Day of  
November A. D. 1963

at 3:50 o'clock P. M.

*Thurman E. Sigal*  
Clerk and Recorder

By \_\_\_\_\_ Deputy

Fee \$2.00



# **BROCKWAY MONT.**

Agents House Well AFE-33-53

6" Well, 80' Deep

Drilled by ERI Boon, N.P.R.V.

Work begun 7/22/54 Completed 8/2/54

**MONT 33E**  
Yellowstone Div  
8th Sub Div  
April 24, 1956

File No. 724

T. 18 R. 47

DUPLICATE

County McCone

LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level)

0-1 top soil  
1-15 yellow clay  
15-30 sandstone  
30-49 sand & gravel 12 bpm  
49-61 sandstone & gumbo

Notice of Completion of Groundwater  
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

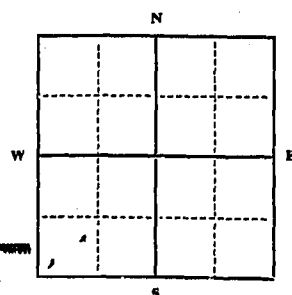
Owner Edith La Count Address GuilbertsonDriller Ira C. Bond & Sons Address Terry, Montana

Date of Notice of appropriation of groundwater

Date well started 2/26/73 Date completed 2/28/73Type of well drilled Equipment used cable tool  
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	4" plastic	0	60	3/16	50	60

Static Water Level for non-flowing well  
30 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 36 feet  
at 5 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested bailedLength of Test 4 hrs

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

gravel on inside of well

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

Driller's License Number

Robert C. Bond  
Driller's Signature.

52,711

DOC. NO. 141099

WATER WELL LOG FILE NO. 724

EDITH LaCOURT

TO

THE PUBLIC

State of Montana } ss.  
County of McCone }

Office of Clerk and Recorder.

Filed this 19th day of  
March A. D. 1973

at 1:50 o'clock P. M.

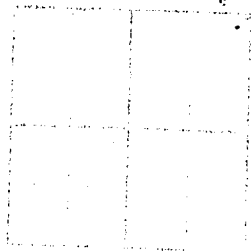
*Thoria J. Brunner*  
Clerk and Recorder

By

Deputy

Fee \$2.00

INDEXED  
FILED  
MAR 20 1973  
CLERK OF DISTRICT COURT  
MCCONE COUNTY, MONTANA



THIS IS TO CERTIFY THAT THE ABOVE NAMED PARTY HAS BEEN DULY SERVED WITH A COPY OF THE PETITION FOR THE WRIT OF HABEAS CORPUS AND THE PETITION FOR THE WRIT OF HABEAS CORPUS HAS BEEN FILED FOR THE COURT'S CONSIDERATION.

WITNESS MY HAND AND SEAL OF OFFICE THIS 19TH DAY OF MARCH, 1973.



T. 18 R. 47 27

County McCone

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
JAN 9 1961

WATER WELL LOG

STATE ENGINEER

	X	

Owner Harley Berry Address Brookway, Montana

Driller Ira G. Bond Address Terry, Montana

Date Started September 24, 1960 Date Completed Sept. 27, 1960

Location: Sec. 27 T. 18 R. 47  $\frac{1}{4}$  sec. SE<sup>4</sup> of the NE<sup>4</sup>

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other: \_\_\_\_\_

Casing: 0 ft. to 166 ft. Type Steel Size 4 inch

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 138 to ft. 166 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations 5/16 in. holes cut three in. apart with torch

Static Water level, for non-flowing well: 130 feet.

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

Pumping water level 144 feet at \_\_\_\_\_ gal. per min.

How tested: with bailer

Length of test one 1/2 hour

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

RECEIVED  
DEC 27 1960

STATE ENGINEER

(over)

## Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	4	Sandy top soil
4	40	Yellow sandy clay
40	46	Hole, (cavity) no formation
46	70	Gumbo
70	71	coal slack
71	101	Gumbo
101	104	Coal
104	130	Gumbo
130	138	Sandstone
138	160	Water Sand
160	166	Gumbo

Doc. No. 121603

State of Nevada  
County of Elko

Office of Clerk and Recorder

Filed this 22nd day of  
December 1950

at 1:50 o'clock P. M.

*[Signature]*  
Clerk and Recorder

By \_\_\_\_\_ Deputy

Fee None

File No. 544T. 18 N R. 47 E  
County DAKOTA

DUPLICATE

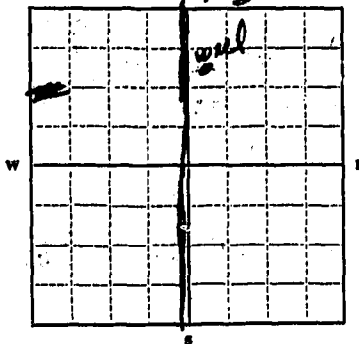
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERRECEIVED  
JAN 16 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Oscar E. Gackle of Brockway  
(Name of Appropriator) (Address) (Town)  
County of DAKOTA State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NE Sec. 31 T. 18 R. 47

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

2. The beneficial use on which the claim is based. watering stock from Oct. to April
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. January 1962
4. The amount of groundwater claimed (in miner's inches or gallons, per minute). twenty-five gals a 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. [Signature]
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Handy Jack
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. January 1962
8. The depth of water table. 138 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. 4 inch - steel casing 138 feet to bottom
10. The estimated amount of groundwater withdrawn each year. 800,000 gals
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

Oscar E. GackleDate 12-31-63

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

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

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

36516

DOC. NO. 127305

WATER WELL LOG FILE NO. 944

OSCAR E. GACKLE

TO

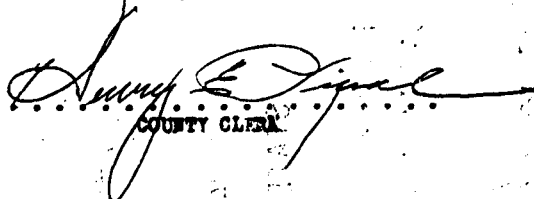
THE PUBLIC

STATE OF MONTANA )  
COUNTY OF MCGONE )SS

OFFICE OF COUNTY CLERK & RECORDER

Filed this 2nd day of Jan., 1964 A.D.

at 8:35 o'clock, A.M.

  
COUNTY CLERK

FEE: \$2.00

T. 18 R. 47 31

County Mc Coma

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
JAN 7 1961

WATER WELL LOG

STATE ENGINEER


Owner Oscar Gackle Address Brockway, Montana

Driller Albert & Edward Prost Address Brockway, Montana

Date Started December 29, 1960 Date Completed January 6, 1961

Location: Sec. 31 T. 18 R. 47 1/4 sec. NE 1/4

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: Top ft. to 138' ft. Type Steel Size 4"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 118' to ft. 138' Ft. to ft.

Type of screen or perforations Holes in casing

Static Water level, for non-flowing well: 90' from the top feet

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

Pumping water level 115' feet at 20 gal. per min.

How tested: Balox

Length of test 1/2 Hour

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

Gravel packed the water vain

(over)

**Log of Well**

Depth, feet		Description of Material Drilled
From	To	
Top	21'	Yellow sandy dirt
21'	27'	Sand
27'	32'	Coal
32'	35'	Blue sandy loam
35'	40'	Sand
40'	44'	Yellow sandy dirt
44'	92'	Blue sandy loam
92'	95'	Coal
95'	126'	Blue clay
126'	129'	Brown sand
129'	135'	Water bearing sand
135'	138'	Blue clay
		DOC. NO. <b>122179</b>
		WATER WELL LOG FILE NO. 53
		State of Montana } ss. County of McCone }
		Office of Clerk and Recorder.
		Filed this <u>5th</u> day of
		<u>April</u> A. D. 19 <u>61</u>
		at <u>3:35</u> o'clock <u>P.</u> M.
		<i>[Signature]</i> Clerk and Recorder
		By _____ Deputy
		Fee <u>None</u>

RECEIVED  
JUN 12 1959

T. 28 R. 47  
County: McCone

34

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

x			

Owner: Albert Mace Address: Brockway, Montana  
Driller: Ira C. Reed Address: Tarry, Montana  
Date Started: July 17, 1958 Date Completed: July 20, 1958  
Location: Sec. 34 T. 28 R. 47 1/4 sec. NW of the NW

Type of well: Drilled (Dug, driven, bored, or drilled) Equipment used: Cable Tool (Cable, d/c, rotary, other)

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

Casing: 0 ft. to 125 ft. Type: Steel Size: 4 inch

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type: \_\_\_\_\_ Size: \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type: \_\_\_\_\_ Size: \_\_\_\_\_

Perforated or Screened: Ft. 112 to ft. 125 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations: 2/16 holes cut 3 in. apart with cutting torch

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

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

Pumping water level: 125 feet at 6 gal. per min.

How tested: Bailed

Length of test: One Hour

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

(over)

**Log of Well**

Depth, feet		Description of Material Drilled
From	To	
9	40	Yellow clay
40	59	gumbo
59	60	Coal
60	70	gumbo
70	96	Light sand rock
96	104	coal slack
104	112	clay
112	126 1/2	Sand rock and water
126	140	clay
140	150	gumbo

WATER WELL LOG FILE NO. 24

1191-23

State of Missouri

County of Monroe

Office of Clerk and Recorder.

Filed this 11th day of June A. D. 1959

at 9:10 o'clock a. m. 11/

*Charles E. Sigal*

Clerk and Recorder

Fee none



### Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	40	Yellow clay
40	59	gumbo
59	60	Coal
60	70	Gumbo
70	96	Light sand rock
96	104	coal slack
104	112	clay
112	126	Sand rock and water
126	140	clay
140	150	Gumbo
<p style="text-align: center;">WATER WELL LOG FILE NO. 24</p> <p style="text-align: center;">119123</p> <p>State of Montana } County of McCone }</p> <p>Office of Clerk and Recorder, Filed this 11th day of June A. D. 1959 at 9:10 o'clock a. M.</p> <p style="text-align: right;"><i>Clayton E. Sigal</i> Clerk and Recorder</p> <p style="text-align: center;">Fee none</p>		

File No. \_\_\_\_\_

DUPLICATE

MONTANA WATER RESOURCES BOARD  
**RECEIVED**

JUL 22 1968

Approved Stock Form—State Publishing Co., Helena, Montana—41933

T. 18 N. R. 47 E. 34

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

Top of Ground

(Elev. above sea level) 2600**Notice of Completion of Groundwater  
Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

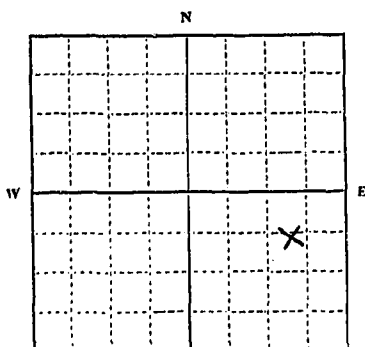
Owner ERNEST STRID Address CIRCLEDriller BONE WHITMAN Address WOLF POINT

Date of Notice of Appropriation of Groundwater \_\_\_\_\_

Date well started JUNE 15 Date Completed JUNE 20/68Type of well \_\_\_\_\_ Equipment Used SPUDDER  
(dug, driven, bored or (Churn, drill, rotary or  
drilled) other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Stock ☒

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	4 I.D. 11 # TVC	0	85	8"	73	77



SE 1/4 Sec 34 T. 18. R. 47

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 52 feet.

Shut-in Pressure for Flowing Well \_\_\_\_\_

Pumping Water Level 75 feet at 14 gal. per minute.

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

How Tested BAILOR Length of Test 4 HR'S

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 ON OUT SIDE,  
AND SEAL ON TOP OF  
GRAVELDriller's License Number 83Driller's Signature B. Whitman

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.

44,332

134213

Water Well Log #667

State of Montana } ss.  
County of McCone }

Office of Clerk and Recorder.

Filed this 17th day of  
July A. D. 1968  
at 4:30 o'clock P. M.

*Gloria Y. Brennan*  
Clerk and Recorder

By *Alvin E. Hallen* Deputy  
Fee \$2.00



File No. ....

T. 18 R. 48

DUPLICATE

MONTANA WATER RESOURCES BOARD

County McConeRECEIVED  
APR 12 1968

STATE OF MONTANA

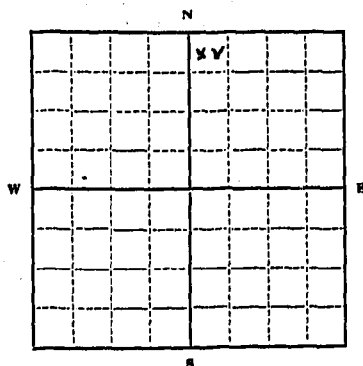
ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. Milo O. Hilstad of Circle  
(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:



NW 1/4 Sec. 2 T. 18 R. 48

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 and Livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....1941
4. The amount of groundwater claimed (in miner's inches or gallons per minute).....Twenty
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.....  
By pump rod and cylinder and/or centrifugal pump and/or submersible pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....1941 & 1952
8. The depth of water table.....Approximately sixty 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.....Bored - 6 inch well  
One well is under dwelling 200 feet deep 100 ft. deep  
One well between dwelling and barns 200 feet deep
10. The estimated amount of groundwater withdrawn each year.....500,000 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.....Not aware of any

Signature of Owner

Milo O. Hilstad  
Date April 9, 1968

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.

44,045

133835

Water Well Log #662

State of Montana } ss.  
County of McCone }

Office of Clerk and Recorder.

Filed this.....9th..... day of

.....April..... A. D., 1968

at 8:55..... o'clock..... A. M.

*Gloria L. Brennan*  
Clerk and Recorder

By *Alise E. Hallen*  
Deputy

Fee \$2.00

13-3M-10/69

County McCom

**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.

**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 M. L. Hilstead

Address Circle next

For Administrator's Use  
File # 715, 139942  
July 18, 1972 11:25a  
GW 1

Date well started 7-27-21

completed 8-4-71

Type of well ..... DRILLED .....  
(Dug, driven, bored or drilled)

Equipment used ROTARY  
(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☒ Stock ☒ Irrigation ☐

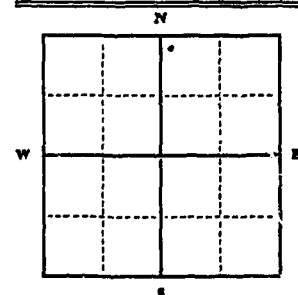
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

\*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		
				Kind Size	From (Feet)	To (Feet)
6 1/4	4 10 1/2	1	135	1 1/4 x 4 SLOTS	95	135



Static water level ..... 20 ft.\*  
Pumping water level ..... 120 ft.\*  
at ..... 6 ..... gallons per minute,  
measured ..... minutes after pumping  
began.

\*Measured from ground level.  
Well developed by pump  
for 45 hours.  
Power..... Pump..... HP  
Remarks: (Gravel packing, cementing,  
packers, type of shutoff) .....

NW 1/4 NE 1/4 Sec. 2  
T. 18 R. 48 S. 48

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

Driller's Signature Wayne Harrison

Driller's Address London Mount

LICENSE NO. 25

[illegible]

Show exact depth of bottom

50,962

139942

Water Well Log File #715

State of Montana }  
County of McCone }

Office of Clerk and Recorder

Filed this 18th day of

July, A. D. 1972

at 11:25 o'clock A. M.

*Clavin H. Brennan*  
Clerk and Recorder

By *Mary L. Tucker*  
Deputy

Fee \$2.00



County McClure 2

50,961

139941

Water Well Log File #714

State of Montana } ss.  
County of McCone }

Office of Clerk and Recorder

Filed this 18th day of

July, A. D. 1972

at 11:20 o'clock A. M.

*Gloria L. Brennan*  
Clerk and Recorder

By *Mary L. Kuckler*  
Deputy

Fee \$2.00

11

JUL 20 1972

County Blaine

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 W. J. Smith

Address 1111 N. 1st St.

Date well started 7-1-71

completed 7-1-71

Type of well Drilled

Equipment used Auger

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

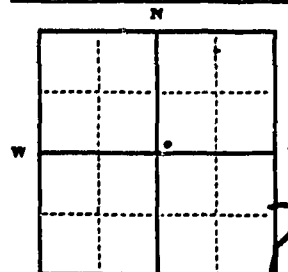
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

\*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
11"		1	31	1/2"	15	31



Static water level 2.1 ft.  
Pumping water level 2.1 ft.  
at 7 gallons per minute  
measured 1 minutes after pumping began.

\*Measured from ground level.  
Well developed by grass pump  
for 1 hour.  
Power gas Pump 22HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff) gravel

1/4 Sec. 2  
T. 18 N. 18 E. 18

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

Driller's Signature W. J. Smith

Driller's Address 1111 N. 1st St.

LICENSE NO. 1

DRILLER'S LOG

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

Top of Ground

(Elev. above sea level)

From (Feet)	To (Feet)	
1	2	
2	3	
3	4	
4	5	
5	6	
6	7	
7	8	
8	9	
9	10	
10	11	
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96	97	
97	98	
98	99	
99	100	

Show exact depth of bottom

50, 961

File No. ONTANA WATER RESOURCES BOARD  
DUPLICATE **RECEIVED**

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

T. 18 R. 48

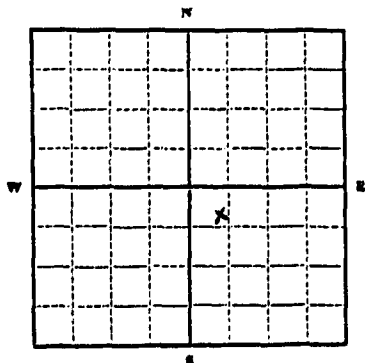
County McCone

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Milo O. Hilstad of Circle  
(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:



NW1/4  
NW1/4 Sec. 3 T18 R 48

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 Live Stock Water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1938 - Continuously since about 1956 continuously unless water in creek
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 25 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 Cylinder pump and engine

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater One well was about June 1938 and the other well was about September 1956

8. The depth of water table 1938 well app. 12 Ft. - 1956 well app. 30 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 One well 2 Ft. Bored hole 50 Ft. deep  
One well 4 Ft. sq. hand dug 20 Ft.

10. The estimated amount of groundwater withdrawn each year 800,000 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 Not aware of any

Signature of Owner

Milo O. Hilstad  
Date April 9, 1968

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.

44,046

133836

Water Well Log #663  
State of Montana  
County of McCone } ss.

Office of Clerk and Recorder.

Filed this 9th day of  
April A. D. 1968  
at 9:00 o'clock A. M.

*Gloria H. Berman*

By *Alice E. Hallen*  
Deputy

Fee \$2.00

T18N-48E

County McCone

6

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

RECEIVED

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 Glen F or Doris E Walker

Address Circle Mont

Date well started 2-1-73

completed 2-8-73

Type of well Drilled

Equipment used Churn Drill

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

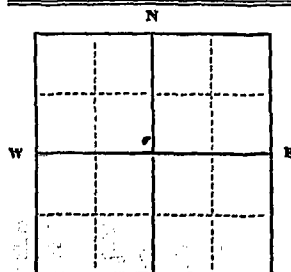
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

\*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	5" Plastic	41	90	Saved Slets	78	90



Static water level 20 ft.\*  
Pumping water level 82 ft.\*  
at 6 gallons per minute,  
measured        minutes after pumping  
began.  
\*Measured from ground level.  
Well developed by Bailing  
for 2 hours.  
Power        Pump        HP  
Remarks: (Gravel packing, cementing,  
packers, type of shutoff)

18 1/4 Sec. 6  
T. 18 N. 48 E.  
S. W.

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

Driller's Signature Daniel H. Haggerty

Driller's Address Lindsay Mont

LICENSE NO. 13

Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
0	18	Yellow Clay
18	20	Coal
20	41	Blue Clay
41	50	Coal
50	62	Blue Clay
62	64	Rock
64	66	Blue Clay
66	90	Grey Sand R20 15 GPM

90 Show exact depth of bottom

52,710

DOC. NO. 141101

WATER WELL LOG FILE NO. 725

GLEN F. OR DORIS E. WALLER

TO

THE PUBLIC  
State of Montana  
County of McCone

Office of Clerk and Recorder.

Filed this 19th day of  
March A. D. 1973

at 3:40 o'clock P. M.

*Gloria S. Brummett*  
Clerk and Recorder

By \_\_\_\_\_ Deputy

Fee \$2.00

ESTIMATED VARIATION IN HORIZONTAL

Note: If need for horizontal, vertical, or other data, please

Describe:

Horizontal ☐ Vertical ☐ Other ☐ Depth ☐ Direction ☐ Location ☐

File No. 352T. 18 N. 48 E.

DUPLICATE

County. 1700 NE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

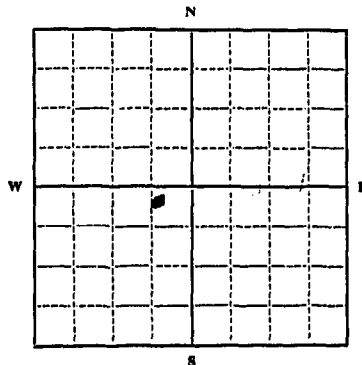
RECEIVED  
JAN 16 1964

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Glenn Haller of Circle Mont  
(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.E. 1/4 Sec. 16 T. 18 R. 48

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-  
irrigation and livestock

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been. 1940 continuous

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 20 gals a 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  
irrigate garden SW 1/4 16-18-48

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 with-  
drawal of groundwater. don't know

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. 4 in. casing 8.5 ft. deep

10. The estimated amount of groundwater withdrawn each year 400,000 gals.

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

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

Signature of Owner Glenn HallerDate Dec. 26, 1963

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

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

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

36323



Doc. No. 127103

Water Well Log File No. 352

Glenn Valler

TO

The Public

State Of Montana }  
County of McCone }

OFFICE OF COUNTY CLERK & RECORDER

Filed this 27th day of December, 1963

A. D. at 11:15 A. M.

*[Signature]*  
County Clerk

Fee: \$2.00

RECORDED  
JAN 19 1964

CIVIL ENGINEER

*[Handwritten notes and signatures in right margin]*

GW:

File No. 351

DUPLICATE

T. 18 N R. 48 E 7

County McCone

RECEIVED  
JAN 16 1964

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 .....

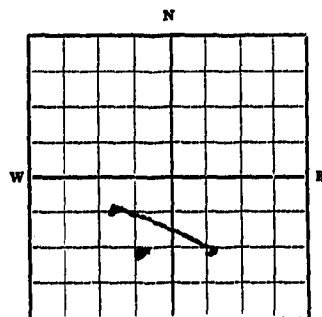
Owner Glenn Haller Address Circle, Mont.

Contractor (if any) .....

Address of Contractor .....

Date Started..... Date Completed.....

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



NE 6W  
S.W. 1/4 SE. Sec. 7 T. 18. R. 48

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 .....

30 gals a minute

Used 4 months each year

Signature of Owner Glenn Haller

Date Dec. 26, 1963

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

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

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

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

Doc. No. 127102.

W. A. Wall Log File No. 951

Glenn Waller

TO

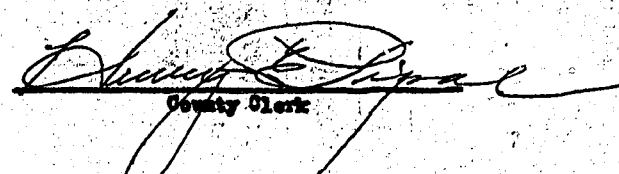
The Public

State of Montana }  
County of McCone } ss

OFFICE OF COUNTY CLERK & RECORDER

Filed this 27th day of December,

1963 A. D. at 11:10 A. M.

  
County Clerk

Fee: \$2.00

RECORDED  
INDEXED  
JAN 2 1964  
CIVIL ENGINEER

GW

Approved Stock Form—State Publishing Co., Helena, Montana—3876

File No. 298T. 18 N R. 45 E  
County McCone

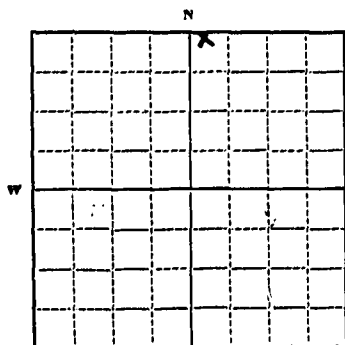
DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERRECEIVED  
JAN 16 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Robert C. Mothershead 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:NW  
NE 1/4 NE Sec. 8 T. 18 N. R. 45 EIndicate 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 1960 and each year since
4. The amount of groundwater claimed (10 or 12 or gallons per minute) Per Min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pumps Windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater To my knowledge in fall of 1960
8. The depth of water table 200 ft. approx.
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 Stock Water Well, 4 inch casing, 228 ft. deep
10. The estimated amount of groundwater withdrawn each year 200,000 gals.
11. The log of formations encountered in the drilling of each well if available NOT AVAILABLE
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner

Robert C. MothersheadDate 12/23/63

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.

36269

127034

Water Well Log # 298

State of Montana }  
County of McCone } ss.

Office of Clerk and Recorder.

Filed this 23rd day of

December A. D. 19-63

at 2:35 o'clock P. M.

*Amey E. Dyer*  
Clerk and Recorder

By \_\_\_\_\_ Deputy

For \$2.00

File No. 258

T. 18<sup>N</sup> R. 48<sup>E</sup>

DUPLICATE

County McCone

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

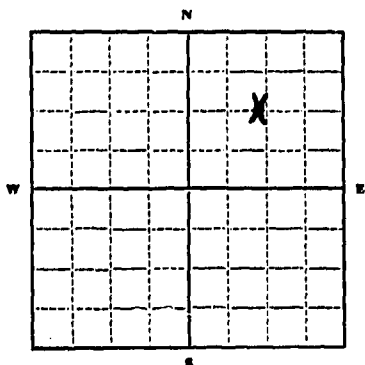
RECEIVED  
DEC 2 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. FLOYD E. QUICK, INC. of Circle  
(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. 12 T. 18 R. 48

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

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....  
18,000 gallons per year  
5 gallons per minute

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

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

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

8. The depth of water table.....  
160'

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.....

Depth 160' Size Casing 4"

10. The estimated amount of groundwater withdrawn each year.....  
18,000 gallons

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

Log not available.

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

Signature of Owner

Floyd E. Quick, Inc.  
By [Signature]  
Date Nov 21, 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.

7655

126855

WATER WELL LOG # 253  
State of Montana  
County of Cascade

Office of Clerk and Recorder.

Filed this 29th day of  
November A. D. 1963

at 1:50 o'clock P. M.

*Henry E. Dugal*  
Clerk and Recorder

By \_\_\_\_\_ Deputy

Fee \$2.00

File No. 257

T. 18N R. 48E

DUPLICATE

County 711c Cone

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

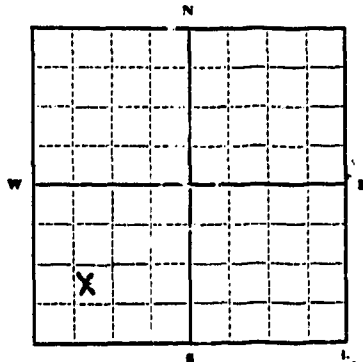
RECEIVED  
DEC 2 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. FLOYD E. QUICK, INC. of CIRCLE  
(Name of Appropriator) (Address) (Town)  
County of MC CALE State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 13 T. 18 R. 48

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

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

Livestock Water

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

1959

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

18,000 gallons per year  
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.

N/A

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

Stock pump

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

Nov. 1959

8. The depth of water table.

115'

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.

Depth 115', Size Casing 4"

10. The estimated amount of groundwater withdrawn each year.

18,000 gallons

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

Log not available

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

Signature of Owner

Floyd E. Quick Inc  
By [Signature]

Date Nov 21, 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.



126854

Water Well Log # 257.  
State of Montana  
County of McCone ss.

Office of Clerk and Recorder.

Filed this 29th day of

November A. D. 1963

at 8:45 o'clock A. M.

*[Signature]*  
Clerk and Recorder

By \_\_\_\_\_ Deputy

Fee \$2.00

GW 2

File No. 233

T 18 N R 48

DUPLICATE

County. McCone

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED

DEC 19 1963

Notice of Completion of Groundwater  
Appropriation by Means of Well STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground  
(Elev. above sea level. 2640.....)

Top  
5 Yellow loam  
12 Quick sand  
22 Dark sandy loam  
43 Gray sand  
59 Gray loam  
65 Coal  
77 Gray loam  
80 Water sand  
88 Blue clay

Owner. Edward and George Heide. Address. Brockway, Montana.

Driller. Albert Brost. Address. Brockway, Montana.

Date of Notice of Appropriation of Groundwater Not needed in '61

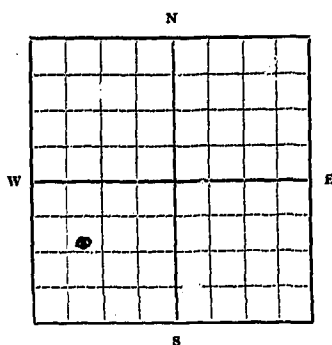
Date well started. December 27, 1961. Date Completed. Jan. 7, 1962

Type of well. Drilled Equipment Used. Churn drilled  
(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)
7 in.	6 in.	Top	17	Slots in	58	64
	4 in.	17	88	casing	73	86



1/4 S.W. Sec. 14 T. 18. R. 48.

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 5 ft. from the top feet.

Shut-in Pressure for Flowing Well Not a flowing well.

Pumping Water Level 65 feet at 13 gal. per minute.

Discharge in gal. per min. of flowing well Not a flowing well.

How Tested. Baler tested Length of Test 1/2 hour.

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

acres irrigated, if used for irrigation) Gravel packed

water vein

45  
Driller's License Number

Albert Brost  
Driller's Signature

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

Questions. If not applicable, so state, otherwise the form will be returned.

Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Appropriator.

10401

126969

Water Well Log # 283.

State of Montana } ss.  
County of Blaine

Office of Clerk and Recorder.

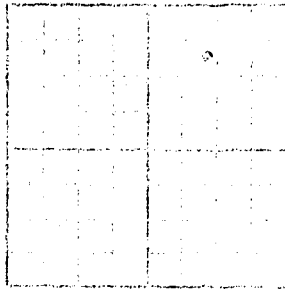
Filed this 13th day of

December A.D. 1963

at 3:10 o'clock P.M.

*Donny E. Sigel*  
Clerk and Recorder

By \_\_\_\_\_ Deputy  
Fee \$2.00



Water Well Log # 283.	126969
State of Montana } ss.	
County of Blaine	
Office of Clerk and Recorder.	
Filed this 13th day of	
December A.D. 1963	
at 3:10 o'clock P.M.	
<i>Donny E. Sigel</i>	
Clerk and Recorder	
By _____ Deputy	
Fee \$2.00	

File No. 536

T. 18N 48E

DUPLICATE

County McCone

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

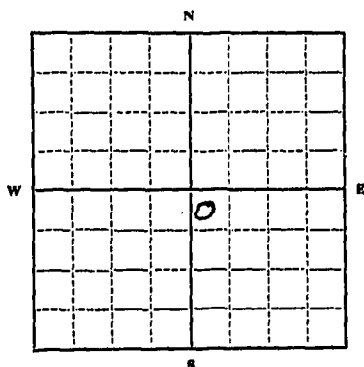
RECEIVED  
JAN 16 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Warner D. Johnson of Brockway, Mont.  
(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:



NW  $\frac{1}{4}$  SE Sec 15 T. 18 R. 48

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. Drawing Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1952 to present time

4. The amount of groundwater claimed (in miner's inches or gallons per minute). Never Pumps Dry

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 by Pump with gasoline motor

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1952

8. The depth of water table. 26 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. 40' deep

24 in Wood casing  
1 1/4 in pipe rod & 3 in cylinder

10. The estimated amount of groundwater withdrawn each year. Ample for unlimited Number of livestock

11. The log of formations encountered in the drilling of each well if available. Clay to Water bearing 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. see record

Signature of Owner

Warner D. Johnson  
Date Dec 3rd 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.

36508

DOC. NO. 127297

WATER WELL LOG FILE NO. 536

WARNER D. JOHNSON

TO

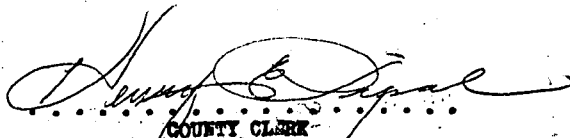
THE PUBLIC

STATE OF MONTANA )  
                          )SS  
COUNTY OF McCONE )

OFFICE OF COUNTY CLERK & RECORDER

Filed this 2nd day of Jan., 1964 A.D.

at 8:27 o'clock, a.m.

  
.....  
COUNTY CLERK

FEE: \$2.00

MM 2E 12 18 64

Form No. 18  
8-60

17  
T. 18 R. 48

County McCone

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
OCT 20 1961

WATER WELL LOG

STATE ENGINEER


Owner Bob Withershead Address Brockway, Montana

Driller Albert & Edward Brost Address Brockway, Montana

Date Started September 21, 1961 Date Completed Sept. 29, 1961

Location: Sec. 17 T. 18 R. 48  $\frac{1}{4}$  sec. N.W.

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

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

Casing: Top ft. to 123 ft. Type Steel Size 4 in.

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 190 to ft. 200. Ft. 215 to ft. 225

Type of screen or perforations Slots in casing

Static Water level, for non-flowing well: 75 feet from the top feet.

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

Pumping water level 130 feet at 10 gal. per min. 30

How tested: Miller

Length of test 1 hour

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

Gravel packed water vein

(over)

# Log of Well

Depth, feet		Description of Material Drilled
From	To	
Top	14	Yellow sandy loam
16	20	Coal
20	32	Gray clay
32	65	Sandy loam
65	87	Blue clay
87	92	Coal
92	138	Blue clay
138	142	Coal
142	152	Blue clay
152	172	Blue sandy loam
172	180	Blue clay
180	183	Gray sandy loam
183	192	Blue clay
192	200	Water sand
200	218	Blue clay
218	224	Water sand
224	228	Blue clay
		WATER WELL LOG NO. 79
		DOC. No. 122912
		State of Missouri
		County of Boone
		Office of Clerk and Recorder.
		Filed this 18 th
		October
		A. D. 1961
		at 11:05 o'clock P. M.
		<i>[Signature]</i>
		Clerk and Recorder
		By <i>[Signature]</i>
		Deputy
		Fee None

GV

Approved Stock Form—State Publishing Co., Helena, Montana—35495

File No. 299

DUPLICATE

T. 18 N. 48 E. 18County McCone

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

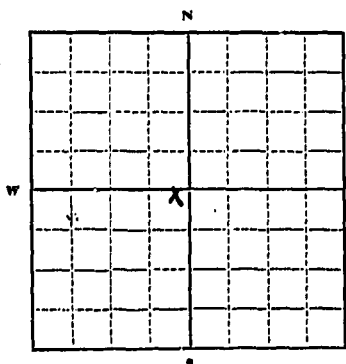
RECEIVED  
JAN 16 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Robert C. Mothershead 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  $\frac{1}{4}$  SW Sec. 18 T. 18 R. 48

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 Stockwell and House Use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Approx. 1940 & Continuous Use Since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gals per Min.

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Approx. 1980

8. The depth of water table 16 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 dug by hand & 4 ft. diam. casing

10. The estimated amount of groundwater withdrawn each year 300,000 gals.

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

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

Signature of Owner Robert C. Mothershead

Date 12/23/63

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.

36270



127035

Water Well Log # 299.

State of Montana } ss.  
County of McCone }

Office of Clerk and Recorder.

Filed this 23rd day of

December A. D. 1963

at 2:40 o'clock P. M.

*Dwight D. [Signature]*  
Clerk and Recorder

By \_\_\_\_\_ Deputy

Fee \$2.00

File No. 533

DUPLICATE

T. 18N R. 48ECounty McCone

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 16 1964

## Declaration of Vested Groundwater Rights

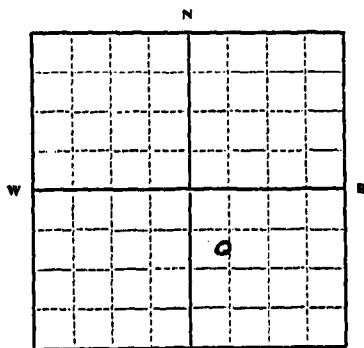
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Warner D. Johnson of Brockway, Mont.  
(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:



NW 1/4 SE Sec. 14 T. 18 N. R. 48 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. Livestock Drinking Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1943 to present time

4. The amount of groundwater claimed (in miner's inches or gallons per minute). Never Pumps dry

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. by Pump with gasoline motor

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

8. The depth of water table. 66 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. 89 feet deep

5 inch casing 1 1/4 pipe & rod  
& a 3 inch c y in d of

10. The estimated amount of groundwater withdrawn each year. Ample for unlimited Number of livestock

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

Not known

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

Signature of Owner

Warner D. Johnson

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.

36505

Doc. No. 127294

Water Well Log # 533

Warner D. Johnson

TO

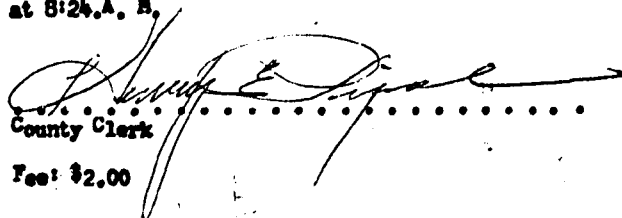
The Public

State of Montana }  
County of McCone } ss

OFFICE OF COUNTY CLERK & RECORDER

Filed this 2nd day of January, 1964, A. D.,

at 8:24 A. M.

  
.....  
County Clerk

Fee: \$2.00

File No. 531

T. 18 R. 48 E. 20

DUPLICATE

County McCone

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

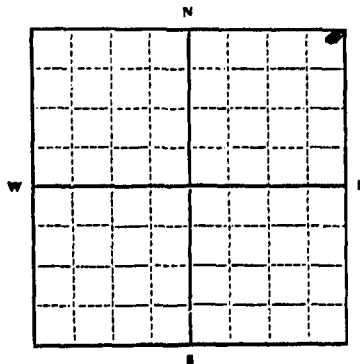
RECEIVED  
JAN 16 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, Warner D. Johnson, of Brockway, Mont.  
(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. 20 T. 18. R. 48

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 Drinking Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1959 To Present Time

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Never pumped dry.

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 by Means of a Wind Mill

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1959

8. The depth of water table 36 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 93 feet deep 4 inch casing, 1 1/4 inch pipe and rod

10. The estimated amount of groundwater withdrawn each year Ample for Unlimited Number of Livestock

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record no record

Signature of Owner Warner D. Johnson  
Date Dec 31st 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.

36503