Doc. No. 127292

Water Well Log #531.

Warner D. Johnson

TO.
The Public

State of Montana

County of McLeod

OFFICE OF COUNTY CLERK & RECORDER

Filed this 2nd day of January, 1964, A.D., at 8:22 A.M.

[Signature]
County Clerk

Fee: $2.00
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Oct 1961

Owner: Robert M. Clay
Address: Circle, Mont.

Contractor (if any): 
Address of Contractor: 
Date Started: Oct 1961 Date Completed: Oct 1961

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

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

SE 1/4 NW 1/4 Sec 21 T13 N R4W

Signature of Owner: Robert M. Clay
Date: 12-9-63

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

**STATE ENGINEER**

- **Applicant's Name:** James N. Melvin
- **Address:** Broadway
- **County:** Mead
- **State:** Montana

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

<p>| | | |</p>
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<tr>
<td>NW1/4 NW23 T18 N48</td>
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</tr>
</tbody>
</table>

1. 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:

   - **Type:** Irrigation
   - **Date:** June 1954
   
3. Date or approximate date of earliest beneficial use, and how continuous the use has been:

   - **Type:** Irrigation
   - **Dates:** Spring, summer, and fall

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

   - **Amount:** 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:

   - **Acreage:** Not applicable

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

   - **Type:** Pump and windmill

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

   - **Date:** June, 1954

8. The depth of water table:

   - **Depth:** 22 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:

   - **Well:** 35 feet with 6-inch casing

10. The estimated amount of groundwater withdrawn each year:

    - **Amount:** 180,000 gallons per year

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

    - **Log:** None

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

    - **Reference:** Do not know of any

---

**Signature of Owner:** James N. Melvin

**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.
STATE OF MONTANA
COUNTY OF MOORE

OFFICE OF COUNTY CLERK & RECORDER

Filed this 31st day of Dec., 1963 A.D.
at 8:17 o'clock, a.m.

FEE: $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater
Owner: Robert McElroy Address: Circle, Mont
Contractor (if any)
Address of Contractor

Date Started Oct. 1961 Date Completed Nov. 1961

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

Sang 50' of Damping pipe
100' 1/4" galvanized pipe to tank

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use.

3 months use each year;
39 gal per min.

Signature of Owner: Robert McElroy
Date: 12-17-61

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.
126931.
Water Well Log of Water Well Log 263

State of Missouri
County of St. Louis

Office of Clerk and Recorder

Filed this 9th day of December A.D. 19--2
as 3160 of 19--2

Dewey Cogar
Clerk and Recorder

FY. 121.00

Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1951
Owner: Edward R. Hilde
Address: Circle, Montana
Contractor (if any) David Hunkele
Address of Contractor
Date Started: 1951
Date Completed: 1951

Describe means of obtaining groundwater without a well “as by
sub-irrigation and other natural processes”. Include depth to
water when applicable: Spring development - classed
out an area approximately 800 ft x 800 ft x 4 ft to
sink depth to induce water flow

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

Signature of Owner: Edward R. Hilde
Date: 12-30-63

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

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

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

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

36380
Doc. No. 127168

Water Well Log # 409.

Edward B. & George Keide

TO

The Public

State of Montana

County of McCone

OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of December, 1963 A.D.
at 10:11 P.M.

[Signature]
County Clerk

_fee: $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Edward E. & George Heide
(Name of Appropriator) (Address) (Town)

County of Yellowstone State of Montana

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

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

1956 - annual each year thereafter

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

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

Not applicable

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

Pump & windmill

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

1956

8. The depth of water table

30 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

Boyd 69

3 inch diameter with wood casing

50 feet

10. The estimated amount of groundwater withdrawn each year

1.714,500 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

None

Signature of Owner: George Heide

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.

36385
DOE. NO. 127173

WATER WELL LOG FILE NO. 434

EDWARD E. & G. E. ANDREW

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF Wallowa

OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of Dec., 1960 A.D.

at 1:16 o'clock p.m.

SIGNED

COUNTY CLERK

FEE: $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Robert E. McElvain
of Circle
County of McCone
State of Montana

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

2. The beneficial use on which the claim is based:
   House
   and Livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   1957
   Continuous

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

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:
  .General Pump

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:
   65

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 of 67 ft. Work 51 ft. completion

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

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

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

Signature of Owner:

Robert E. McElvain

Date: 12-9-63

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 Appropriate.
126932

Water Well Log #264

State of Montana
County of McCone
Office of Clerk and Recorder.
Filed this __ day of

December, A.D. 1943

at 5:45 o'clock, P.M.

By

Fee $2.00
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Edward H. & George Heide

County of Missoula
State of Montana

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

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

3. Date or approximate date of earliest beneficial use: 1952

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 22 gallons per minute

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

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

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: 20 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, 8 ft depth

10. The estimated amount of groundwater withdrawn each year: 2,400,000 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: none

Signature of Owner: Edward Heide
Date: 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.
WATER WELL LOG FILE NO. 413

EDWARD R. & GEORGE HEIDES
& ALICE HOLLEN

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF MCGREGOR

OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of Dec., 1963 A.D.
at 11:30 o'clock p.m.

FEE: $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Edward R. & George Heide

1. Name of Appropriator

(North Dakota)

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

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

4. The amount of groundwater claimed (in miner's inches or 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.

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

8. The depth of water table.

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.

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

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

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.
DOG.

WATER WELL LOG FILE NO. 412

EDWARD E. & GEORGE HILDE
& ALICE HILDE

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF WILSON

OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of Dec., 1963 A.D.
at 11:14 o'clock p.m.

COUNTY CLERK

FEE: $2.00
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1961
Owner/Holder: Alice Helen
Address: 938 N. 19th St., Helena
Contractor (if any): None
Address of Contractor:
Date Started: 10/1
Date Completed: 10/1

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

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. Contain:

Approach, Slow - 10 gal. per minute

Signature of Owner: Edward R. Heise
Date: Dec. 30, 1963

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
Doc. No. 4071967
12-7-67

Water Well Log # 408

Edw. E. & George R. & Alice Holben
To
The Public

State of Montana &
County of Sunshine

OFFICE OF COUNTY CLERK & RECORDER
Filed this 30th day of December, 1967 A. D.,
at 11:10 A.M.

[Signature]
County Clerk

Fee: $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. 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:

   2. The beneficial use on which the claim is based...Drinking Water for Livestock and Humans

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been...Since 1912

   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...Electric Motor, Pump, Cylinder, Pipe

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater...Windmill in 1912 on Second Well in 1939, First Well...

   8. The depth of water table...60 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...

   10. The estimated amount of groundwater withdrawn each year...Plenty for Unlimited Amount of Livestock...

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

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

Signature of Owner...Warner 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.
WELL NO. 337

VANESSA L. JOHNSON

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF MISSOURI

OFFICE OF COUNTY CLERK & RECORDER

Filed the 2nd day of Jan., 1964 A.D.,
at 8:28 o'clock, a.m.

FEE: $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. Warner D. Johnson  Brodway, Mont
   (Name of Appropriator)  (Address)

   County of McConel  State of Montana

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

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

   NE Sec. 33  T. 18 N. 48

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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1953 to present

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

   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

   Electric Motor, Pump

   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: 4 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 feet Square with 1/14 pipe and 3 inch cylinder

   10. The estimated amount of groundwater withdrawn each year: Not known

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

   Grand and falling down

   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: Jan 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.
Doc. No. 127290

Warner D. Johnson
TO
The Public

State of Montana
County of Broadwater

OFFICE OF COUNTY CLERK & RECORDER
Filed this 2nd day of January, 1961, A.D.,
at 8:20 A.M.

County Clerk

Fee: $2.50
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

<table>
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<th>Name of Appropriator</th>
<th>Address</th>
<th>State of</th>
<th>City of</th>
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<tr>
<td>Warner D. Johnson</td>
<td>Brockway Mont.</td>
<td>McCona</td>
<td>Montana</td>
</tr>
</tbody>
</table>

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, at follows:

1. The beneficial use on which the claim is based: Livestock

2. The date or approximate date of earliest beneficial use: 1961

3. The amount of groundwater claimed (in miner's inches on gallons per minute): NEVER PUMPED

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

5. The means of withdrawing such water from the ground and the name of each well or other means of withdrawal: PUMP WITH ELECTRIC MOTOR

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1951

7. The depth of water table: 5 feet on first well, 4 feet on two other wells

8. The well records:
   - 72 ft. deep on first well
   - 27-3 feet casing
   - 14 feet total depth

9. The estimated amount of groundwater withdrawn each year: AMPLIFIED FOR UNLIMITED NUMBER OF LIVESTOCK

10. The log of formations encountered in the drilling of each well if available: NOT KNOWN

11. 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: MONTECATTI

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.
DOG NO. 127885

WATER WELL LOG FILE NO. 534

WARREN D. JOHNSON

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF WELDON

OFFICE OF COUNTY CLERK & RECORDER

Filed this 2nd day of Jan., 1964 A.D.
at 8:25 o'clock, a.m.

[Signature]
COUNTY CLERK

FEE: $2.00
DOCK NO. 127295

WATER WELL LOG FILE NO. 545

WARNER D. JOHNSON

TO

THE PUBLIC

STATE OF MONTANA
COUNTY OF ROOSEVLETT

OFFICE OF COUNTY CLERK & RECORDER

Filed this 2nd day of Jan., 1964 A.D.
at 8:25 o'clock a.m.

COUNTY CLERK

FEE: $2.00
Notice of Completion of Groundwater Appropriation Without Well

(under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater
Owner: Robert Mclay
Address: Eircle
Contractor (if any): None
Address of Contractor:
Date Started: ___
Date Completed: Still working

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

Natural Spring

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use:

Per min.

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

Signature of Owner: Robert Mclay
Date: 12-7-63

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

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

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

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

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**Twp:** 18N  
**Rge:** 4SE

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<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
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<td>Quick, Floyd &amp; Co.</td>
<td>GW H</td>
<td>126857</td>
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<td>126953</td>
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<td>&quot;</td>
<td>GW3</td>
<td>126850</td>
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<td>GW H</td>
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<td>123616</td>
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<td>Quick, Floyd &amp; Co.</td>
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<td>Nagel, Larry</td>
<td>GW3</td>
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<td>Murphy, Daniel</td>
<td>well log</td>
<td>126419</td>
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<td>22</td>
<td>Nagel, Lawrence</td>
<td>GW H</td>
<td>123617</td>
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STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. **FLOYD E. QUICK INC., of CIRCLE**
   - (Name of Appropriator)
   - (Address)
   - (Town)
   - County of **CIRCLE**
   - State of **MONTANA**

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

2. The beneficial use on which the claim is based: **LIVESTOCK WATER**

3. Date or approximate date of earliest beneficial use: **Sept. 1948**

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

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

8. The depth of water table: **220'**

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 - 120' = 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:**
   - **Date:** Dec 2, 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.
Water Well 100 # 260
State of Montana
County of McCone
Office of Clerk and Recorder
Filed on the 29th day of November A.D. 1951
At 9:00 o'clock A.M.
By Clerk and Recorder
Fees $2.00
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

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:

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: 1950

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 18,000 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: 1950

8. The depth of water table: 12'

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:

<table>
<thead>
<tr>
<th>Depth 10'</th>
<th>Size Casing 4'</th>
</tr>
</thead>
</table>

10. The estimated amount of groundwater withdrawn each year: 12,000

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.
   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 Appropriate.
126853

Water Well Log #256.

Date: November 29th, A.D. 1963

Signed by Clerk and Recorder.

[Signature]

Clerk and Recorder

Pay $2.00
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1960
Owner: Floyd H. Quick
Address: Circle, Mont.
Contractor (if any): Same
Address of Contractor: Same
Date Started: 1950
Date Completed: 1960

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

Running Spring boxed in.

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.

Flows 7 gallons per minute.

Signature of Owner: Floyd H. Quick
Date: 12-21-1963

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.
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1950
Owner: [Name]
Contractor (if any): [Name]
Address of Contractor: [Address]
Date Started: 1950
Date Completed: 1952

Describe means of obtaining groundwater without sub-irrigation and other natural processes, include optional water when applicable:

Running Spring, Broadwell

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

Elbows, 75 feet, per 1350

Signature of Owner: [Signature]
Date: [Date]

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.
126850

Water Well Log 5-235.
State of Montana
County of McCone

Office of Clerk and Recorder.
Filed this __th day of November, A.D. 19__
at ___.

[Signature]

By ___, M.

[Signature]

By ___, Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. Floyd Quick Inc., of Circle

   County of _______ State of Montana

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

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

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

   4. The amount of groundwater claimed (in miners inches or gallons per minute): ______ 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: ____________________________

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

   8. The depth of water table: ______

   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 ______ Size ______

   10. The estimated amount of groundwater withdrawn each year: ______ gallons

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

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

   Signature of Owner: ____________________________

   Date: 12-21-1963

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.

1656
WATER WELL LOG #259

Filed this 29th day of November A.D. 19__

[Signature]

By: [Signature]

Fee: $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: June 1st, 1961
Owner: Lawrence Hagel
Address: Circle, Montana
Contractor (if any): none
Address of Contractor: none

Date Started: May 1961
Date Completed: June 1st, 1961

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent, estimate approximate lengths of periods of use.

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

Spring is in use the year around.

Signature of Owner: Lawrence Hagel
Date: February 9th, 1962

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Approprietor.
123616

WATER WELL LOG FILE NO. 158

LAWRENCE HAGED

TO

THE PUBLIC

State of Montana
County of McCone

Filed this 9th day of
February A.D. 19[5]2
at 2:00 o'clock P.M.

[Signature]
Deputy

Fee $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

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

   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...
      1963

   4. The amount of groundwater claimed (in miner's inches or gallons per minute)...
      18,000 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...
      JUNE 1963

   8. The depth of water table...
      210

   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 210'  Sizie Casiny 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...

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.
State of Montana
County of McCone

Office of Clerk and Recorder.

Filed this ________ day of
November 29th A.D. 1962
at __:__ o'clock M

By _______________________

Deputy
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level: __________) top soil

3 26 yellow clay

2 sand trace

45 gumbo

4 water sand 1 gpm

42 gumbo

2 water sand 1 gpm

69 gumbo

2 water sand 2 gpm

11 coal dust

46 gumbo

15 water sand 10 gpm

2 gumbo

Owner: Larry Eagle

Address: Circle, Montana

Driller: Irvis Bond & Sons

Address: Terry, Montana

Date of Notice of Appropriation of Groundwater: __________

Date well started: 10/1/68

Date Completed: 11/2/68

Type of well: Drilled

Equipment Used: Cable tool

(dag, driven, bored or drilled)

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.

<table>
<thead>
<tr>
<th>Feet</th>
<th>7 ft 6 in</th>
<th>7 ft 6 in</th>
<th>0</th>
<th>96</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 5/8</td>
<td>4 7/8 in</td>
<td>25</td>
<td>877</td>
<td>3/16</td>
<td>260</td>
</tr>
</tbody>
</table>

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

Shut-in Pressure for a Flowing Well...

Pumping Water Level: __________ feet at __________ gal. per minute.

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

How Tested: Bailed

Length of Test: __________ hrs.

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

7 ft drive for seal off weeds...

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

Show exact depth of bottom.

Driller's License Number

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 Appropirator.
Water Well Log #970
State of Montana
County of McCone

Office of Clerk and Recorder.
Filed this 25th day of November, A.D. 1968
at 4:30 p.m.

Elvie L. Brennan
Clerk and Recorder

Alvin F. Wallace
Deputy

Fee $2.00
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Daniel Murphy
Address: Circle, Mont.

Driller: Robert Haggerty
Address: Glendive, Mont.

Date Started: Sept. 20, 1960
Date Completed: Sept. 23, 1960

Location: Sec. 28... T. 18... R. 49... 1/4 sec. SE

Type of well: Stock [X] Stock
Water use: Domestic [X] Domestic
Municipal [X] Municipal
Stock [X] Stock
Irrigation [X] Irrigation

Casing: 0 ft. to 1/2 ft. Type: Steel
Casing: 1/2 ft. to 1 ft. Type: Size
Casing: 1 ft. to 2 ft. Type: Size
Casing: 2 ft. to 3 ft. Type: Size
Casing: 3 ft. to 4 ft. Type: Size
Casing: 4 ft. to 5 ft. Type: Size
Casing: 5 ft. to 6 ft. Type: Size

Perforated or Screened: Ft. 127... to ft. 1/2... Ft. 1... to ft.

Type of screen or perforations: Slits, with cutting torch

Static Water level, for non-flowing well: 45 ft.

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

Pumping water level: 110 ft. feet at: 15 gal. per min.

Length of test: 1 hr.

How tested: with bailer

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

Gravel Packing

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 0</td>
<td>To 45</td>
</tr>
<tr>
<td>45</td>
<td>Gray</td>
</tr>
<tr>
<td>55</td>
<td>60 Sand</td>
</tr>
<tr>
<td>60</td>
<td>80 Gray</td>
</tr>
<tr>
<td>80</td>
<td>82 Coal</td>
</tr>
<tr>
<td>82</td>
<td>128 Gray</td>
</tr>
<tr>
<td>128</td>
<td>142 Sand</td>
</tr>
</tbody>
</table>

121059

WATER WELL LOG FILE # 39

State of Wyoming
County of McCone

Office of Clerk and Recorder.

Filed this 27th day of September A.D. 1960 at 9:10 o'clock A.M.

[Signature]

Deputy Clerk and Recorder

[Signature]
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **Lawrence Nagel**
   
   (Name of Appropriator)

   of: **Circa, Montana**

   (Address)

   (Town)

   County of: **Meade**

   State of: **Montana**

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

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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: **Earliest date the use has been**

   **Dec. 12, 1946**

   **Use well about six months of the year**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **1.25 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:

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:

   **December 12, 1956**

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:

   **24" drilled well 52' deep**

10. The estimated amount of groundwater withdrawn each year: **180,000 gallons**

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: **None**

   **Signature of Owner**

   **Date**: February 9th, 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.
123617
WATER WELL LOG FILE NO. 199

LAWRENCE RIGEL

TO

THE PUBLIC

State of Montana  ss.
County of McCone
Office of Clerk and Recorder.
Filed this 9th day of February, A.D. 1962
at 2:30 o'clock P.M.


By
Deputy

Fee $2.00
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Larsen, Wilbur</td>
<td>GW2</td>
<td>236146</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Schmidt, Emil</td>
<td>Well Log</td>
<td>201657</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Highland Ranch Inc.</td>
<td></td>
<td>122479</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Leging, Wm.</td>
<td>GW2</td>
<td>103499</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Schmidt, Robert</td>
<td></td>
<td>120769</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Holstrom, Kingman</td>
<td>Well Log</td>
<td>140224</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td></td>
<td></td>
<td>180324</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: William Langdon
Address: Broadway, Montana

Driller: Booco; Address: 4602, 46 St., Saint, Montana

Date of Notice of appropriation of groundwater: November 22, 1969
Date well started: Nov. 22, 1969; Date completed: Nov. 25, 1969

Type of well: Grilled
Equipment used: Cable tool

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.

<table>
<thead>
<tr>
<th>Strata</th>
<th>Size of Borehole (in.)</th>
<th>Water Level (ft)</th>
<th>Static Water Level (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Sand (40 gal/min)</td>
<td>50</td>
<td>62</td>
<td>30</td>
</tr>
<tr>
<td>Water Sand (30 gal/min)</td>
<td>50</td>
<td>62</td>
<td>30</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well

Shut-in Pressure for Flowing Well

Pumping Water Level:

Discharge in gal. per min. of flowing well

How Tested: Digger
Length of Test: 2 hours

Remarks: (Gravel packing, cementing, packers, type of fluid, etc.)

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

Driller's Signature: [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, allowing copies to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
WATER WELL LOG FILE #684

WILLUR LARSON
BROCKWAY, MONTANA

TO: THE PUBLIC

State of Montana
County of McCone, ss.

The within instrument was
filed for record on Dec. 12th,
1969 at 2:15 o'clock, P. M., and
is duly recorded in Book #50
of the records of McCone County.

[Signature]
County Clerk & Recorder

By [Signature] Deputy

Fee: $2.00 Paid
# WATER WELL LOG

**Owner:** Burt Schmidt  
**Address:** Butte, Montana

**Driller:** Mr. O. Bond  
**Address:** Terry, Montana

**Date Started:** December 26, 1960  
**Date Completed:** Dec. 30, 1960

**Location:** Sec. 10 T. 17 R. 44 N 4 of the N

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
<th>Date started</th>
<th>Date completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>Cable tool</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Water use:** Domestic, Municipal, Stock, Irrigation

- **Casing:** 90 ft. to 106 ft. Type: Steel, Size: 4 inch

- **Perforated or Screened:** 95 ft. to 104 ft.

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

- **Static Water level, for non-flowing well:** 66 ft.

- **Shut-in pressure, for flowing well:** 85 lb/sq. in. on: (date)

- **Pumping water level:** 92 feet at 5 gal. per min

- **How tested:** with well test

- **Length of test:** one hour

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

---

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 0 to 40</td>
<td>Yellow Clay</td>
</tr>
<tr>
<td>From 40 to 54</td>
<td>Gumbo</td>
</tr>
<tr>
<td>From 54 to 62</td>
<td>Coal</td>
</tr>
<tr>
<td>From 62 to 72</td>
<td>Fine water sand with small seep of water</td>
</tr>
<tr>
<td>From 72 to 76</td>
<td>Gumbo</td>
</tr>
<tr>
<td>From 76 to 88</td>
<td>Water sand and water seep</td>
</tr>
<tr>
<td>From 88 to 98</td>
<td>Sandstone-water seep</td>
</tr>
<tr>
<td>From 98 to 104</td>
<td>Gumbo</td>
</tr>
<tr>
<td>From 104 to 108</td>
<td>Gumbo</td>
</tr>
</tbody>
</table>
**WATER WELL LOG**

**Owner:** HAGLUND RANCH, INC  
**Address:** BROCKWAY, MONT

**Driller:** IRA C. BOND  
**Address:** TERRY, MONT

**Date Started:** 1953  
**Date Completed:** July 12, 1955

**Location:** Sec. 12, T. 17 R. 44  
**County:** McConE

---

**Type of well:** DRILLED  
**Equipment used:** CHURN DRILL

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

**Casing:**
- 0 ft. to 100 ft. Type STEEL  Size 5 INCH
- [Casing: 0 ft. to 100 ft. Type  Size ]
- [Casing: 0 ft. to 100 ft. Type Size ]

**Perforated or Auger:** Ft. 80 to Ft. 100  Ft. to Ft.

**Type of screen or perforations:** CUT WITH ACETYLENE TORCH

**Static Water level, for non-flowing well:** 40 feet

**Shut-in pressure, for flowing well:** [ ] lb./sq. in. on: [ ]

**Pumping water level:** 90 feet  
**How tested:** Baled

**Length of test:** 2 MINUTES

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

---

(over)
Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>100</td>
</tr>
</tbody>
</table>

DOC. NO. 222472

WATER WELL LOG # 66

State of Montana
County of McCone
Office of Clerk and Recorder.

Filed this 1983 day of June A.D. 1983 at 01:05 o'clock AM.

By
Fee: none
Deed
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: L. J. Lapine
Address: Brookway

Driller: Ira C. Bond
Address: Terry

Date of Notice of Appropriation of Groundwater: June 9, 64

Date well started: June 9, 64
Date Completed: June 12, 64

Type of well: Drilled

Equipment Used: (dug, driven, bored or drilled)

Water Use: Domestic

Industrial

Municipal
Stock
Irrigation

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.

Static Water Level for non-flowing Well: 80 feet

Shut-in Pressure for Flowing Well: -

Pumping Water Level: 90 feet at 5 gal. per minute.

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

How Tested: Tunnel

Length of Test: 2 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): -

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.
128089
Water Well Log # 605.

State of Montana
County of N. Cone

Office of Clerk and Recorder.

Filed this 7th day of July, A.D. 1964
at 3:12 o'clock P.M.

[Signature]
Clerk and Recorder

By: [Signature]
Deputy
Notice of Completion of Groundwater Appropriation by Means of Well
(Vertnder Under Chapter 237, Montana Session Laws, 1961)

Owner: Robert J. Elliott
Address: 424 6th Ave., Helena, Montana

Driller: E. L. Bond
Address: Terry, Montana

Date of Notice of Appropriation of Groundwater: 4/15/65
Date Completed: 5/2/65

Type of well: Drilled
Equipment Used: 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.

<table>
<thead>
<tr>
<th>Depth of Drilled Hole</th>
<th>Site and Weight of Shovel</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 ft.</td>
<td>4 1/2 in.</td>
<td>146</td>
<td>Drilled</td>
</tr>
<tr>
<td>10 ft.</td>
<td>4 in.</td>
<td>3/8</td>
<td>180</td>
</tr>
<tr>
<td>8 ft.</td>
<td>3 in.</td>
<td>3/8</td>
<td>180</td>
</tr>
<tr>
<td>5 5/8</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 115 feet.
Shut-in Pressure for Flowing Well:
Pumping Water Level: 136 feet at 5 gal. per minute.
Discharge in gal. per min. of flowing well:
How Tested: No. of hours:
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other pertinent information, including number of acres irrigated, if used for irrigation).

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; Tripllicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

39112-
Water Well Log #619

State of Montana
County of McCona

Office of Clerk and Recorder.

Received this ______ day of June, ______, A.D., 19___.
at _____ o'clock _____ A.M.

[Signature]

[Signature]

Fee $____.00
**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kingman Hedstrom</td>
<td>Brockway, Montana</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harry L. Johnson</td>
<td>Terry, Mont.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug 6, 59</td>
<td>Aug 14, 59</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location</th>
<th>Sec</th>
<th>T</th>
<th>R</th>
<th>W</th>
<th>WM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sec. 30</td>
<td>17</td>
<td>44</td>
<td>1</td>
<td>1</td>
<td>30</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled</td>
<td>Rotary</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water use</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft. to 75 ft</td>
<td>Std pipe</td>
<td>6 in</td>
</tr>
<tr>
<td>63 ft. to 203 ft</td>
<td>Std pipe</td>
<td>4 in</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened</th>
<th>Ft. to Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>260 ft. to 290 ft.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of screen or perforations</th>
<th>Holes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Static Water level</th>
<th>feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>70 ft.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Shut-in pressure</th>
<th>date</th>
</tr>
</thead>
<tbody>
<tr>
<td>45 lb./sq. in. on</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pumping water level</th>
<th>feet at</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 feet</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>How tested</th>
<th>Length of test</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling</td>
<td>1 hr.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remarks</th>
<th>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(over)