STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CONTROL
OFFICE OF STATE ENGINEER

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

- James Murphy
- Mildred F. Murphy

County of Park
State of Montana

I 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: 1900 Continuous

4. The amount of groundwater claimed (in miner’s inches or gallons per minute): 5 gpm

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and the 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: None

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: None

8. The depth of water table: None

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: None

10. The estimated amount of groundwater withdrawn each year: Average 5 gpm

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: James Murphy
Date: Dec 31, 1962

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

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

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

20520
Filed this 31st day of December A.D. 1963
3:00 o'clock P.M.

Magistrate: [Name]
County Clerk and Recorder.

Nominal Treasurer
Deputy.

Sec'y 42, 00
### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

**Name of Appropriator:**

**Town:**

**County of:**

**State of:**

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

1. **Beneficial Use on which the claim is based:**

   - Stock Water

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

   - 1900
   - Continuous

3. **Amount of groundwater claimed (in miner's inches or gallons per minute):**

   - 5 g.p.m.

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:**

   - Acreage: 100
   - Description: Springs

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

   - [Diagram showing point of appropriation]

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

   - None

7. **The depth of water table:**

   - 100 feet

8. **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:**

   - None

9. **The estimated amount of groundwater withdrawn each year:**

   - Average 5 g.p.m.

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

    - None

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:**

    - None

---

**Signature of Owner:**

[T. James Murphy]

**Date:** Dec 3, 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. 9126.

Filed on 31 day of

Jan. 23, 1963

at 3:56 P.M.

Margaret Cronical
Custody Clerk and Recorder.

By __________________________

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: 1790

Owner: 
Address: Helena, Montana

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:

Springs coming from ground

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:

No system
used to measure. Some piping
more would exceed 10 minutes.

Signature of Owner:

Date: 24-12-1965

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 Appropriate.
$105001

Filed June 31st, 1965
December 4, B. D. 1965

2:31 P.M.

Marquard, Municipal
County Clerk and Recorder

Emmitt Lowdell

June 1st, 1965
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

James Murphy &
John Murphy
(Name of Appropriator) (Address)

County of Park 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: 1900 continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 5 g.p.m.

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: Springs

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: None

8. The depth of water table: None

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: None

10. The estimated amount of groundwater withdrawn each year: Average 5 g.p.m.

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: 

Signature of Owner: 
Date: Aug. 31, 1962

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Filed this 1st day of December A.D. 1963

[Signature] [County Clerk and Recorder]

[Signature] [Deputy]

See #20.00
### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
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<tbody>
<tr>
<td>T. James Murphy &amp; Mildred Murphy</td>
<td>By 695</td>
<td>Livingston</td>
</tr>
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</table>

County of: PARK State of: MT

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

1. The beneficial use on which the claim is based: **Stock Water**

2. Date or approximate date of earliest beneficial use; and how continuous the use has been: **1900 Continuous**

3. The amount of groundwater claimed (in miner's inches or gallons per minute): **5 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: **None**

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **None**

8. The depth of water table: **None**

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: **None**

10. The estimated amount of groundwater withdrawn each year: **Average 5 gpm**

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: [Signature]

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

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

T. James Murphy

(Name of Appropriator)

of.

Box 695

Livingston

(Address)

(Town)

County of Park

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

1900 Continuous

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

5 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

Springs

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

None

8. The depth of water table

None

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

None

10. The estimated amount of groundwater withdrawn each year

Average 5 gpm

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


Signature of Owner

T. James Murphy

Date: Nov. 31, 1962

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Am # 91,261

Filed the 30th day of December A.D. 1769
in 3:52 part 1

County Clerk and Register

[Signature]

Sec. 42,00

[Signature]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Name of Appropriator) (Address) (Town)

County of: ___________ State of: ___________

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 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: ___________

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.
# 98263

Issued on 31st day of December A.D. 1963
At 3:51 o'clock P.M.

[Signature]
County Clerk and Recorder.

[Signature]
Deputy.

Tax $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. 
T. James Murphy

(Please fill in name)

of 695 Bx

(Livingston)

(Area)

(Town)

County of

(Please fill in)

State of

(Montana)

I 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 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 names 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

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.
Said land, 31st day of
November 30, 1863,
5:30 P.M.
Margaret McNeal,
County Clerk and Recorder.

Treasurer

Dated 8th, 1863.

$5.00
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: Thomas E. Lake
Address: Box 178
Livingston, Montana

Date well started: Dec. 24, 1972
Well completed: Jan. 2, 1973

Type of well: Drilled
Equipment used: Cable tool

Water Use: Domestic □ Municipal □ Stock □ Irrigation □
Industrial □ Drainage □ Oil □ 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:

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Chisel</th>
<th>Feet</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
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<td>In <strong>-clothed</strong></td>
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<td>23  30  50</td>
</tr>
</tbody>
</table>

Static water level: 12 ft.
Pumping water level: 17 ft.
at 20 gallons per minute, measured minutes after pumping began.

Well developed by: Pump
for 3 hours. Pump

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

Indicate location of well and place of use, if possible.

Each small square represents 40 acres

Drailler's Signature: 
Driller's Address: 

License No.: 

Show exact depth of bottom
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL
Developed After January 1, 1962
(Under Chapter 237, Montana Session Laws, 1961, as amended)

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 may be returned.

File 60-50-71
GW 1 2.55 p.m.

Owner: DONALD F. SHIRLEY L. TWISS
Address: BOX 185 SPRINGDALE MONT
Contractor (if any): SELF
Address of Contractor: 
Date Started: June 20 Date Completed: June 29

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) PUMP OUT OF SHIRLING CREEK

2. Means of withdrawing water (gravity, pump, canal, etc.)

3. Depth of water table

4. Use of the water

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 300 MINER'S INCHES

6. If used for irrigation, give number of acres and description of land

7. Estimate amount of water used each year

8. Months of year spring flows

Signature of Owner: DONALD EDWARD TWISS
Date: June 29, 1973
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

County of: Park
State of: Montana

1. Ed Monsma
   (Name of Appropiirator)
   Address of Box 763, Livingston
   (Address)
   (Town)

   County of Park
   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: A = Water well used for house; B = Water well used for house.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: A = 1955 and continuous use; B = 1956 and continuous use.

4. The amount of groundwater claimed (in miner’s inches or gallons per minute): A = 40 gallons per minute; B = 80 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. A and B are not used for irrigation.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: A = Electric pressure pump; B = Electric pressure pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: A = 1954; B = 1963.

8. The depth of water table: A = 20 feet; B = 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: A = 27 feet deep located along side of house. 6 inch casing with electric pump with two inch pipe into house. B = 28 feet deep located 3 feet west of house. 6 inch casing, with electric pump and pipe into house.

10. The estimated amount of groundwater withdrawn each year: A = 73,000 gallons per year; B = 70,000 gallons per year.

11. The log of formations encountered in the drilling of each well if available: Log information is not available for A or B.

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: Ed Monsma
Date: December 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 Appropiirator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL
Developed After January 1, 1962
(Under Chapter 237, Montana Session Laws, 1961, as amended)

This form is 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 may be returned.

Owner: Donald E. Twiss
Address: Box 125, Townsend, Mont.
Contractor (if any): Self
Address of Contractor: Same
Date Started: July 1, 1972; Date Completed: June 1, 1973

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.)
   - HEAD GATE OUT OF MISSION CREEK
   - Use of existing ditch, known as Cody Ditch

2. Means of withdrawing water (gravity, pump, canal, etc.)
   - GRAVITY

3. Depth of water table

4. Use of the water
   - Irrigation

5. Amount of groundwater claimed (in miner's inches or gallons per minute)
   - 300 MINERS INCHES

6. If used for irrigation, give number of acres and description of land
   - Irrigation of NE ¼ Section 32
   - 10 ACRES

7. Estimate amount of water used each year
   - Irrigation
   - APROX. 3 MGR.

8. Months of year spring flows
   - APROX. 3 MGR.

Signature of Owner: Donald E. Twiss
Date: June 29, 1973
<table>
<thead>
<tr>
<th>Date</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/6/23</td>
<td>29.6</td>
</tr>
</tbody>
</table>

*Quire* A.D. 1923

*2:30* P.M.

*Manuscript Manuscript*

*Early Clerk and Recorder*

*G.G. Terry, Clerk*

*Travis,*
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well
Developed After January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.................early 1900's
Owner: Gordon G. and Address: Box 1360, Livingston
Vanessa S.M. Brittan, Jr. Montana
Contractor (if any): n/a
Address of Contractor: n/a
Date Started .................. Date Completed ....... early 1900's

1) Describe means of obtaining groundwater (as by sub-irrigation,
developed spring, drains, etc.)............

2) Means of withdrawing water (gravity, pump, canal, etc.)............

3) Depth of water table........unknown - subirrigated

4) Use of the water........house water, yard and garden

irrigation, fishpond

5) Amount of groundwater claimed (in miner's inches, or gallons
per minute)..........................80 miner's inches

6) If used for irrigation, give number of acres and description of
land. barn yard 5-10 acres in NW1/4 of section
32, township 18, range 11 East, Park County

7) Estimate amount of water used each year...............80 miner's inches

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

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.

3/4/65
Notice of Completion of Groundwater Appropriation by Means of Well
Developed after January 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: JACSON T. REDMAN
Address: LIVINGSTON, MONT.

Driller: VAN DYKE DRILLING CO
Address: ROSEBUD, MONT.

Date of Notice of Appropriation of groundwater: NONE

Date well started: 6/25/67
Date completed: 6/15/67

Type of well: Drilled
Equipment used: Cable tools
(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.

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; 5 1/2&quot; 0.D. 17/8 per ft. Tested</td>
<td>0&quot; 3½</td>
<td>none</td>
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</table>

Static Water Level for non-flowing well 21 feet.

Shut-in Pressure for Flowing Well none.

Pumping Water Level 37 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well none.

How Tested: Bailier
Length of Test: 1 Hr.

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

Shutoff outside of casings

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

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.

LICENSE No. 1
Driller's License Number

Driller's Signature

1/4, 678
### Groundwater Index

**County:** Park County  
**Twp.:** 15  
**Rge.:** 19 E

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
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</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

County of: Park
State of: Montana

1. Name of Appropriator: James Murphy
   Address: 84695 Livingston
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: 1900 Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute): 5 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: None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Spring 93
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: None
8. The depth of water table: None
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: None
10. The estimated amount of groundwater withdrawn each year: Average 5 gpm
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:

Signature of Owner: James Murphy
Date: June 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.
Filed the 31st day of December, A.D. 1963
at 2:55 o'clock P.M.
Margaret Ironside
County Clerk and Recorder.

By
fee $2.00
Depuy
DECLARATION OF VESTED GROUNDWATER RIGHTS

Marie M. Johnson, husband and wife,

+ Wayne, Harold J. Johnson, and/or, of Box 132, Springdale, (Name of Appropnator) (Address)

County of Park, 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 for household use and irrigation.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Use began about 1910, and has been continuous since.

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

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. Owners named above. 24 acres irrigated, located in Sw1, Sec. 9, twp. 1 south, range 12 east, R. P. M., Park County, Montana.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pressure pump. Well located in Sw1 Sec. 9, twp. 1 south, range 12 east.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Well drilled and completed in about 1910.

8. The depth of water table. About ten 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. Well is about 20 feet deep, and about 3 feet wide.

10. The estimated amount of groundwater withdrawn each year. Ten miner's inches continuously each day, for nine months, and five miner's inches per day for three months.

11. The log of formations encountered in the drilling of each well if available. Entire well dug in sandy loam. No rock formations encountered.

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: Marie M. Johnson
Date: April 2nd, 1962.

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropnator.
Rec. # 9/6/8

Willed this 9th day of
April, 1922

11:30 a.m.

Margaret Muncel

Registrar

By:

J. M. Wilson

Jan 2, 1923
We, Harold J. Johnson, and Maria M. Johnson, husband and wife, of Box 132, Springdale,
(Name of Appropriator) (Address) (Town)
County of Park, 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 for household and commercial use and for irrigation.

3. Date or approximate date of earliest beneficial use, and how continuous the use has been since 1948, use since has been continuous.

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

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. 17 acres irrigated. Water has also been used for tempering water used in plunge at Hunter's Hot Springs.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pressure pump located in Sec. Section 9, in NE 1/4 south, range 12 east, M. P. M.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Well drilled in 1948.

8. The depth of water table. About 12 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. Well is 50 feet deep, and 6 inches wide, and has a six inch pipe.

10. The estimated amount of groundwater withdrawn each year. Average of ten miner's inches per day throughout the year.

11. The log of formations encountered in the drilling of each well if available. Sandy loam for about fifteen feet, and sandstone below that.

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: ______________________

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
Doc. #91615

Filed the 2nd day of
April, A.D. 1963
at 11:30 A.M.

Marquette Manor

Recorded

[Signature]

[Date]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODES
OFFICE OF STATE ENGINEER

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

We, Harold J. Johnson, and Marie K. Johnson, husband and wife, of Box 132, Springdale,
(Name of Appropriator) (Address) (Town)
County of Park, 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 ____________________________ for irrigation, and commercial use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1919 to 1932 intermittently; 1932 to 1952 continuously.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3,000 gals. per hour.

5. If used for irrigation, give the acreage and description of the land to which water has been applied and name of the owner thereof. About four acres, in the SW 1/4, Sec. 9, T18S, R22E.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. One Driven pump. Well located in SW 1/4, Sec. 9, T18S, R22E.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Well was used intermittently from 1919 to 1932, and since 1932 has been used continuously.

8. The depth of water table. About 12 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. Well is about 30 feet deep, and about 9 feet wide.

10. The estimated amount of groundwater withdrawn each year. 3,000 gals. per hour. About 1,200,000 gals. per year.

11. The log of formations encountered in the drilling of each well if available. Sandy loam above and sandstones below.

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

Signature of Owner: Harold J. Johnson
Date: April 2, 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, state so, 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.
Type of well: **drilled**  
Equipment used:  

<table>
<thead>
<tr>
<th>Water use</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
<th>Industrial</th>
<th>Drainage</th>
<th>Other</th>
</tr>
</thead>
</table>

Casing:  

<table>
<thead>
<tr>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
</table>

Perforated or Screened:  

<table>
<thead>
<tr>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
</table>

Static Water level, for non-flowing well:  

Shut-in pressure, for flowing well:  

Pumping water level:  

How tested:  

Length of test:  

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
<table>
<thead>
<tr>
<th>Water Well Log Stats</th>
<th>Engineer: State Engineer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner: Alfred A. Anderson</td>
<td>Address: Springdale</td>
</tr>
<tr>
<td>Date Started</td>
<td>Date Completed</td>
</tr>
<tr>
<td>Location: Sec. 16 T. 1S R. 12E 3/4 sec. SE 4</td>
<td></td>
</tr>
</tbody>
</table>

**Type of well drilled:**
- Drill, driven, bored, or drilled

**Equipment used:**
- Churn drill, rotary, other

**Water use:**
- Domestic [X] Municipal [ ] Stock [X] Irrigation [ ]
- Industrial [ ] Drainage [ ] Other: [ ]

**Casing:**
- Size 6 in.
- Type Cast iron

**Perforated or Screened:**
- Ft. to ft. [ ]
- Ft. to ft. [ ]

**Type of screen or perforations:**

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

**Shut-in pressure, for flowing well:**

**Pumping water level:**

**How tested:**

**Length of test:**

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

---

(over)
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
<th>County</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>James Murphy</td>
<td>Ex 945</td>
<td>Livingston</td>
<td>Montana</td>
<td></td>
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</table>

I 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:
   - 1900
   - Continuous

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

6. 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

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

10. The estimated amount of groundwater withdrawn each year: Average 5 gpm

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: James Murphy
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.
Doc. 78265

Filed the 5th day of December A.D. 1963
3:53 o'clock P.M.

[Signature]
County Clerk and Recorder.

[Signature]
Deputy.

See #2 00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1981)

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
</tr>
</thead>
<tbody>
<tr>
<td>James Murphy</td>
<td></td>
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</tbody>
</table>

County of: PARK
State of: MT

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

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

2. Date or approximate date of earliest beneficial use: 1900

3. The amount of groundwater claimed (in miner's inches or gallons per minute): 5 gpm

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: None

5. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: None

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

7. The depth of water table: None

8. 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: None

9. The estimated amount of groundwater withdrawn each year: Average 5 gpm

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

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

Signature of Owner: James Murphy
Date: Nov. 30, 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.
Filed the 5th Day of December A.D. 1963
2:54 o'clock P.M.

[Signature]
County Clerk and Recorder
By: [Signature]
Deputy

Inc. $2.00
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL
Developed After January 1, 1962
(Under Chapter 237, Montana Session Laws, 1961, as amended)

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 may be returned.

Owner: Donald E. Wood & Alberta M. Wood
Address: East of Livingston, Montana
Contractor (if any): None
Address of Contractor: N/A
Date Started: Sep 1, 1970
Date Completed: Sep 1, 1970

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.)...natural spring has been opened up and enlarged.

2. Means of withdrawing water (gravity, pump, canal, etc.)...gravity

3. Depth of water table...surface

4. Use of the water...stock water

5. Amount of groundwater claimed (in miner's inches or gallons per minute)...50 Miners inches

6. If used for irrigation, give number of acres and description of land...N/A

7. Estimate amount of water used each year...all available water

8. Months of year spring flows...Feb to Sept

Signature of Owner: Alberta M. Wood
Date: June 26, 1973
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. **George and Priscilla Tamps**, of Springdale (Name of Appropriator)
   (Address) (Town)
   County of **Park** 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: A - House and stock and yard; B - Stock

   3. Date or approximate date of earliest beneficial use, and how continuous the use has been: A. 1937, used continually; B. 1932, used continually

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): A. 100 gal. per minute; B. 100 gal. per minute

   5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name the owner thereof: A - Used water in watering lawn

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: A - Electric pump; B - Hand pump

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: A - 1937; B - 1932

   8. The depth of water table: A - 30 ft.; B - 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: A - 40 ft. deep, drilled; B - 35 ft. deep, drilled

   10. The estimated amount of groundwater withdrawn each year: A - 36,500 gal.; B - 30,000 gal.

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

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

   **Signature of Owner:**
   **Date:** 10/19/63

---

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.
Nov. 9, 1963

Filed the 19th day of
December A.D. 1963
at 11:30 o'clock A.M.
Margaret Monroe
County Clerk and Recorder

Mohammed Beurrere
Deputy

July 2, 1964
STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. OSCAR ARVID NELSON, of SPRINGDALE

(Name of Appropriator) (Address)

County of PARK 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; and how continuous the use has been...DEC. 4, 1961 DAILY...

4. The amount of groundwater claimed (in miner's inches or gallons per minute)...15 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...NOV. 30, 1961 DEC. 2, 1961...

8. The depth of water table...50 FT...

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

10. The estimated amount of groundwater withdrawn each year...300,000 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: OSCAR NELSON

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.
Filed this 18th day of November A.D. 1963
at 1:35 o'clock P.M.
Margaret Prunzel
County Clerk and Recorder

Fine $2.00
Declaration of Vested Groundwater Rights

(Usual Chapter 237, Montana Session Laws, 1961)

1. Northern Pacific Railway Co. of. H.P. depot Springdale
   (Name of Appropriator) (Address) (Town)
   County of Park 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 purposes

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been...
      May 10, 1930 to present

   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
      None

   6. The means of withdrawing each 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 withdrawal of groundwater
      Started May 10, 1930 Completed May 20, 1930

   8. The depth of water table...
      12 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, 60 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 79

   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.
Dec 9 1902
Filed this 11th day of
Nov A.D. 1902
11:33 a.m.

County Clerk and Recorder

Deputy

Sec 4 2.00
SPRINGDALE, MONTANA
Depot Well AFE699-S7
6" Well 60 ft. Deep
Drilled by E.A. Bodin, N.P.R.Y.
Work begun 5/13/58 Completed 5/30/58

WATER ANALYSIS 6/26/58
Calcium Bicarbonate 3.6 gpg.
Magnesium Bicarbonate 2.0 "
Sodium Bicarbonate 0.6 "
Sodium Sulfate 1.4 "
Sodium Chloride 0.9 "
Iron 0.6 ppm
pH 7.0
Total Dissolved Solids (Actual) 6.5 gpg.

LOCATION PLAN
Scale 1"-100'

Vertical scale 1'-10'

12' static Water level 6/26/58
Drawdown 19' at 5 gpm 4/4/58

Gray sandstone (dry)
Gray sandstone (water bearing)
Blue shale
Gravel & Boulders
Yellow clay

+To Livingston

18" Steel pipe 6" well
Input 44' 6" well

To Billings

MONT. 79
Yellowstone Div.
5th Sub. 8-8-58
### MONTANA BUREAU OF MINES AND GEOLOGY

**Butte, Montana**

**WATER WELL LOG**

<table>
<thead>
<tr>
<th><strong>Owner</strong></th>
<th>N. P. Ry. Co.</th>
<th><strong>Address</strong></th>
<th>Springdale, Mont. - Depot</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Driller</strong></td>
<td>E. A. Bedin</td>
<td><strong>Address</strong></td>
<td>S/o N. P. Ry., Terry, Mont.</td>
</tr>
<tr>
<td><strong>Date Started</strong></td>
<td>May 13, 1958</td>
<td><strong>Date Completed</strong></td>
<td>May 30, 1958</td>
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<td><strong>Location:</strong> Sec.</td>
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<td>T.</td>
<td>1 S</td>
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<table>
<thead>
<tr>
<th><strong>Type of well</strong></th>
<th><strong>Drilled</strong></th>
<th><strong>Equipment Used</strong></th>
<th><strong>Cable drill</strong></th>
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</thead>
<tbody>
<tr>
<td><strong>Water use:</strong></td>
<td>Domestic</td>
<td>Municipal</td>
<td>Stock</td>
</tr>
<tr>
<td>Industrial</td>
<td>Drainage</td>
<td>Other</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing: ft. to ft.</th>
<th>Type</th>
<th>Size</th>
<th>6&quot;</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened: Ft. to Ft.</th>
<th>Ft. to Ft.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Type of screen or perforations:</strong></th>
<th>None</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Static Water level, for non-flowing well:</strong></th>
<th>32 feet.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Shut-in pressure, for flowing well:</strong></th>
<th>lb./sq. in. on: (date)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Pumping water level:</strong></th>
<th>35 feet at</th>
<th>5 gal. per min.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>How tested:</strong></th>
<th>Plunger pump</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Length of test:</strong></th>
<th>6</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Remarks:</strong></th>
<th>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
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(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Yellow clay</td>
</tr>
<tr>
<td>8</td>
<td>Gravel and boulders</td>
</tr>
<tr>
<td>35</td>
<td>Large boulders and gravel</td>
</tr>
<tr>
<td>42</td>
<td>Hard gray sandstone - dry</td>
</tr>
<tr>
<td>50</td>
<td>Hard gray sandstone - water bearing</td>
</tr>
</tbody>
</table>
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER  

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

Northern Pacific Railway Co.  
of N.P. Stockyard  
Springdale  

County of Park  
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: Stockyard facilities

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: June 14, 1930 to present

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 40 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: Started June 14, 1930, Completed June 14, 1930

8. The depth of water table: 7 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, 31 feet deep

10. The estimated amount of groundwater withdrawn each year: 200,000 gallons

11. The log of formations encountered in the drilling of each well if available: see attached log 79-A

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: ___________________________

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.
Dec. 4, 1960

Received 11th day of
Nov. A.D. 1960
11:31 o'clock A.M.

Margaret spawning
County Clerk and Recorder

Jan. 2, 1960
SPRINGDALE, MONTANA
Stockyard Well AFE 699-57
6" Well 31 ft deep
Drilled by E.A. Bodin N.P.Ry.
Work begun 6/2/56 Completed 6/13/56

WATER ANALYSIS 6/16/56
Calcium Bicarbonate 7.5 gpg
Magnesium Sulfate 3.4 gpg
Sodium Chloride 0.3 gpg
Iron 0.3 ppm
pH 7.0
Total Dissolved Solids (Actual) 11.2 gpg
### County Groundwater Index

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>2</td>
<td>James &amp; Mildred T. Murphy</td>
<td>G-14</td>
<td>98261</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>James &amp; Mildred T. Murphy</td>
<td>G-24</td>
<td>98248</td>
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<tr>
<td>5</td>
<td>Tony &amp; Paul Santaja</td>
<td>G-103</td>
<td>105021</td>
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<td>9</td>
<td>James &amp; Mildred T. Murphy</td>
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<td>James &amp; Mildred T. Murphy</td>
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<td>28</td>
<td>Jerome C. Rose</td>
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<td>121002</td>
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<tr>
<td>33</td>
<td>David &amp; Shirley L. Muns</td>
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<td>39</td>
<td>Paul &amp; Nancy</td>
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<td>David &amp; Mildred T. Muns</td>
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<tr>
<td>12</td>
<td>Helen &amp; Thomas A. M. Wilson</td>
<td>G-13</td>
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<td>13</td>
<td>Jackson P. Delpina</td>
<td>G-13</td>
<td>113328</td>
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