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

1. Paul W. Tillinger, Jr., of Ennis
   (Name of Appropriator) (Address) (Town)
   County of Madison
   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 use and stockwater and irrigation.

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 0.

   4. The amount of groundwater claimed (in miner's inches or gallons per minute). The total flow of well when needed estimated as 50-miner's inches, statutory measurement per sec. of time. Well in about SWSE of Sec. 33.

   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.

   Eighty acres of the ranch.

   6. The means of withdrawing each water from the ground and the location of each well or other means of withdrawal: Power jet pump, 2 inch pipe in well attached to pump, enclosed in 6 inch casing.

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Comenced and completed well in April 1946.

   8. The depth of water table: is 3 feet to contact from surface.

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: State highway, Olson - Tillinger drain No. 1 appropriated for stockwater by the undersigned and his pre-decessors in the fall of 1947 (October). Amount appropriated is 50-miner's inches, same per sec. of time. This drain cuts through the SESE of Section 33, T. 58, R. 1W., M.P.M.

   10. The estimated amount of groundwater withdrawn each year: The total flows in each case when needed.

   11. The log of formations encountered in the drilling of each well if available: 0.

   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: 0.

   Signature of Owner:

   Date: December 23, 1963.

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: 
Address: 

Driller: 
Address: 

Date of Notice of appropriation of groundwater:

Date well started:
Date completed:

Type of well (Dug, Driven, bored or drilled)

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>Depth (Feet)</th>
<th>Weight of Screen</th>
<th>To (Feet)</th>
<th>Screen Diameter</th>
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<tbody>
<tr>
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<td>1/4 inch Ground</td>
<td>45</td>
<td>50</td>
</tr>
<tr>
<td>45</td>
<td>1/4 inch Ground</td>
<td>45</td>
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<td>1/4 inch Ground</td>
<td>45</td>
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</tr>
<tr>
<td>45</td>
<td>1/4 inch Ground</td>
<td>45</td>
<td>50</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

Length of Test

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

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

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).

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

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

Driller's License Number

Driller's Signature

17

15908
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Ralph L. Paugh
(Name of Appropriator)

County of Madison
(State of Montana)

Ralph L. Paugh
(Address)

Ennis
(Town)

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.
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: early 80

Owner: Mary Delilie Jefferson
Address: Jefferson

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.

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.

Signature of Owner: Mary Delilie Jefferson
Date: Oct 30 1963

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 will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology; quadruplicate for the Appropriator.
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: December 1920
Owner: [Name and Address]
Contractor (if any): [Name and Address]
Address of Contractor: [Address]
Date Started: [Date] Date Completed: [Date]

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

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: [Quantitative details]

Indicate point of appropriation and place of use, if possible: [Location details]

Signature of Owner: [Name] 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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropiator.
**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>
</tr>
</thead>
<tbody>
<tr>
<td>Charles C. Edmonds</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**County of** Madison **State of** Montana

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**
2. **Date or approximate date of earliest beneficial use; and how continuous the use has been**
3. **The amount of groundwater claimed**
   - In miner's inches or gallons per minute
4. **The means of withdrawing such water from the ground and the location of each well or other means of withdrawal**
5. **The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater**
6. **The depth of water table**
7. **The log of formations encountered in the drilling of each well if available**
8. **Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record not readily available to knowledge of present owners**

---

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)

1. John J. on Moneti Gorman, of Box 204, Ennis
   (Name of Appropriator) (Address) (Town)
   County of Madison 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: Irrigation.

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been, approximately 1940.

   4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 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. 12 ft.

   9. So far as 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. 150,000 gal.

   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: Monet Gorman
   Date: Jan 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.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Winifred C. Jeffers of Ennis
   (Name of Appropriator) (Address) (Town)

   County of Madison 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: From Nov. 3, 1949.

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): cannot say.

   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: Lot owned by appropriator named above.

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Nov. 3, 1949.

   8. The depth of water table: probably about 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: Drilled well, 6 inch casing, 29 feet deep.

   10. The estimated amount of groundwater withdrawn each year: cannot estimate.

   11. The log of formations encountered in the drilling of each well if available: none 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: Winifred Jeffers
Date: Dec. 8, 1963

Three copies to be filled 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)

Ferdinand A. Schiunek and Johanna M. 

State of Montana
County of Madison

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:
   Irrigating lawns

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1950, June
   Summer use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) have no way of knowing, just used
   in connection with garden hose

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
   Lawn

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   June 1950

8. The depth of water table
   38 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
   Four inch casing

10. The estimated amount of groundwater withdrawn each year
    No idea

11. The log of formations encountered in the drilling of each well if available
    No idea

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

   Ferdinand A. Schiunek
   Signature of Owner
   December 30, 1963
   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.
28751

Caroline A and

Gherman M. Slocum

RECORDER'S OFFICE,
Madison County, Montana.

Filed Dec. 30, 1963

At 9 o'clock A.M.

[Signature]
County Recorder

by [Signature]
Deputy
**WATER WELL LOG**

**Owner:** Earl Schenlen  
**Address:** Butte, Montana  
**Driller:** J. J. Kerckvliet  
**Address:** Alder Montana

**Date Started:** 5/1/53  
**Date Completed:** 5/24/53

**Location:** Sec, T, B

<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>
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<tbody>
<tr>
<td>Casing:</td>
<td>15 ft. to 50 ft.</td>
<td>Type: Black Steel</td>
<td>Size: 6 inch</td>
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<td></td>
<td>Type:</td>
<td>Size:</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

**Perforated or Screened:** From to ft. to ft. to ft.

**Type of screen or perforations:**

**Static Water level, for non-flowing well:** 25 feet.

**Shut-in pressure, for flowing well:** 40 lb./sq. in. on: (date)

**Pumping water level:** 30 feet at 40 gal. per min.

**How tested:** Season

**Length of test:** 25 to 30 Minutes

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

(over)
<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment Used</th>
<th>Churn Drill</th>
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<tbody>
<tr>
<td>Water use</td>
<td>Domestic</td>
<td>Municipal</td>
<td>Stock</td>
</tr>
<tr>
<td>Casing</td>
<td>15 ft. to 98 ft.</td>
<td>Type Black Steel</td>
<td>Size: 6 inch</td>
</tr>
<tr>
<td>Perforated or Screened</td>
<td>Ft to Ft</td>
<td>Ft</td>
<td>Ft</td>
</tr>
</tbody>
</table>

Static Water level, for non-flowing well: 25 feet.

Shut-in pressure, for flowing well: 40 lb/sq. in. on: (date)

Pumping water level: 50 feet at 40 gal. per min.

How tested: Tailer

Length of test: 30 minutes

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
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<tbody>
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<td>To</td>
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<td>96 1/2</td>
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<tr>
<td>96 1/2</td>
<td>98</td>
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## 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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<td>Scherer, John</td>
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<td>Hargrave, Benjamin</td>
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<td>Andrews, Peter</td>
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<td>22</td>
<td>Keller, Gila B.</td>
<td>5W4</td>
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<td>28</td>
<td>Leichter Pld</td>
<td>4W4</td>
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<td>35</td>
<td>Hayden, James P.</td>
<td>4W3</td>
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</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. BEN D. SHEFFIELD of ENNIS,
   (Name of Appropriator) (Address) (Town)

   County of MADISON, 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 & Livestocks

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1928

4. The amount of groundwater claimed (in miner's inches or gallons per minute):
   - TEN INCHES FROM SPRINGS
   - 50 GAL. PER MIN. ON PUMP

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:
   - ACRES OWNED BY APPROPRIATOR

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   - May 1963 on Two Springs

8. The depth of water table:
   - 12 feet on 1 well - Two Springs Flow

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:
   - 14 ft. deep well - Flowing spring at base - Pumped
   - UFP excavation for Two Springs

10. The estimated amount of groundwater withdrawn each year:
    - 1,000,000 gals.

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:
    - Springs supplemental to decreed irrigation water

Signature of Owner: [Signature]

Date: [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.
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: Walter A. Amberg
- Address: 

Date well started: 7-16-70
Date well completed: 7-17-70

Type of well: Drilled

Equipment used: Cable tool

Water Use: Domestic 
Municipal 
Stock 
Irrigation 
Industrial 
Drainage 
Other: Garden/Lawn

*Describe: 

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

ESTIMATED ANNUAL WITHDRAWAL: 1,000,000 gal.

<table>
<thead>
<tr>
<th>Size of Pipe (in)</th>
<th>Size and Length (in)</th>
<th>Flow (GPM)</th>
<th>Top of Ground (Ell. above sea level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>5/8</td>
<td>18.97</td>
<td>01 to 15</td>
</tr>
</tbody>
</table>

Static water level: 5 ft.
Pumping water level: 11 ft.

Well developed by: Power

Power Pump: 1/2 HP

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

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

Driller's Signature: 

Driller's Address: Box 1083, Dillon, Montana 59725

Show exact depth of bottom

A9030
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: OUR DAIN CREEK RANCH
Address: ENNIS, MONT.

Driller: M. E. JONES
Address: BOZEMAN

Date of Notice of Appropriation of Groundwater: 12/31/65
Date well started: 9/14/63
Date Completed: 9/28/63

Type of Well: DRIVEN
Equipment Used: DRILL (CHURN)
(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>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td>6 1/2 GD x 9</td>
<td>-3</td>
<td>-47 5</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 14 feet.
Shut-in Pressure for Flowing Well: __________ feet.
Pumping Water Level: 54 feet at __________ gal. per minute.
Discharge in gal. per min. of flowing well: __________
Length of Test: PUMP __________ Length of Test: 5 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)

DOMESTIC

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

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.
33304

Recorded by
Madison County, Montana.

Filed Dec 31, 1945
at 2:45 o'clock P.m.

Mary A. McFarland
County Recorder

By
The 8 1:00
STATE WATER CONSERVATION BOARD

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: 1900
Owner: Peter T. Combs, Address: Ennis, Montana
Contractor (if any): None
Address of Contractor: None
Date Started: Date Completed:

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

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

3) Depth of water table.

4) Use of the water. domestic use and livestock.

5) Amount of groundwater claimed (in miner's inches, or gallons per minute): 25 cubic feet per second, year round.

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

7) Estimate amount of water used each year. continuous use.

Signature of Owner: ________________________________ Date: 13 Dec 65

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

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

PHIL YECKEL
JUMPING HORSE STOCK RANCH
Address

Madison County, 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 Stock Water

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: 1949; USE HAS BEEN CONTINUAL FOR AT LEAST A PORTION OF EACH YEAR.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 30-50 GALS. PER MINUTE

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: DOWN WELL CENTRIFUGAL ELECTRIC PUMP

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1949

8. The depth of water table: 25'

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: VARIES WITH THE NUMBER OF STOCK

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: PHIL YECKEL
Date: 24 Dec 65

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**

**Owner:** Albert Kellogg  
**Address:** Dillon, Montana

**Driller:** Carl F. Hollestein  
**Address:** Dillon, Montana

**Date Started:** Apr. 7, 1958  
**Date Completed:** Apr. 25, 1958

**Location:** Sec. 25, T. 55 N., R. 1 E., 1/4 sec., SW 1/4, SW 1/4

**Type of well:** Drilled  
**Equipment used:** Churn Drill

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

**Casing:**  
- Top: 50 ft.  
- Type: galv.  
- Size: 6 in. merchant casing, 6.75 lb

**Perforated or Screened:**  
- Top: to ft.  
- Type:  
- Size:  

**Type of screen or perforations:** None

**Static Water Level,** for non-flowing well: 68 feet

**Shut-in pressure,** for flowing well: 49 lb./sq. in. on: 4-5 (date)

**Pumping water level:** feet at: 4 gal. per min.

**How tested:**  
- Bailers

**Length of test:** one hr.

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

- Started drilling in well drilled 1945. Water stood 1 ft. on start
- Drilled to 80 ft. Water level went down with casing. Log on top 53 ft.
- It not available.
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
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</thead>
<tbody>
<tr>
<td>53.7</td>
<td>sand &amp; gravel</td>
</tr>
<tr>
<td>76 - 78</td>
<td>sandy clay, no water</td>
</tr>
<tr>
<td>78-80.2</td>
<td>sand, gravel, coarse wash rock</td>
</tr>
</tbody>
</table>

Log of Well
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. PHIL YECKEL, of JUMPING HORSE STOCK RANCH, Ennis
   (Name of Appropriator) (Address) (Town)
   County of MADISON 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. 1959. Has been used continuously since date.

   4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30-50 GALS.

   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. 1959.

   8. The depth of water table. 125'.

   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. VARIES WITH USAGE IN THE HOUSE AND STOCK.

   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.

   Signature of Owner: 

   Date: 29/Dec/63
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: about 1890

Bernice E. Hayden
Owner
Address: Jefferson, Mont.

Contractor (if any) not applicable
Address of Contractor not applicable

Date Started about 1890 Date Completed about 1921

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Water was first run from open spring through trough to stock pens and house. Then spring was excavated and concrete collecting tank installed—piped to farmstead for household use and stock water. Depth of tank 18 feet.

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. Visual estimate of quantity—20 gallons per minute. Water is in constant use.

Signature of Owner

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.
28927

Bruce E. and
James F. Haylen

RECORDER'S OFFICE,
Madison County, Montana.

Filed: Dec. 31, 1962
at 10:30 o'clock A.M.

By

County Recorder
<table>
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<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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<td>U.S. Forest Service</td>
<td>HWY</td>
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</tbody>
</table>
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: June 1937
Owner: U.S. Forest Service
Address: Ennis, Montana
Contractor (if any): Not applicable
Address of Contractor:
Date Started: June 1937
Date Completed: June 1937

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes," include depth to water when applicable. The water development consists of a wooden spring box and 20 feet of cast iron pipe.

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.

The spring flows approximately 4 gal. per minute.

The rate of flow was based on an ocular estimate.

The water is used during the spring, summer and fall months.

Signature of Owner:
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 Appraisor.
<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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<td>East Beach Ranch</td>
<td>T-8</td>
<td>37673</td>
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</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: East Bench Ranch
Address: Dillon, Montana

Driller: O'Keefe Drilling Co.
Address: Butte, Montana

Date of Notice of appropriation of groundwater: Nov. 7, 1967
Date completed: Nov. 15, 1967

Type of well drilled:
- Churn drill

Equipment used:
- 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>
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<tbody>
<tr>
<td>6&quot;</td>
<td>6&quot; T. &amp; R.</td>
<td>0</td>
<td>231</td>
<td>Torch</td>
</tr>
<tr>
<td>5&quot; shop</td>
<td>made screen</td>
<td>225-275</td>
<td>Shop made screen</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 190 feet.

Shut-In Pressure for Flowing Well: 250 feet.

Pumping Water Level: 250 feet at 7 gal. per minute.

Discharge in gal. per min. of flowing well: 330 gal.

How Tested: Baler

Length of Test: 2½ hrs.

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

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

(Continue on reverse side)

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

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, tissues copy to be retained by driller.

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

Driller's License Number:

Driller's Signature:

42, 671
RECORDERS OFFICE, W. T.- MADISON COUNTY, MONTANA.

At 10 o'clock, A.M. on the fifth day of July, 1907, I

Filed the

Record

Township

Range

Section

Land

DEC.

P. 6. 

In

By

County Recorder

A. D. L. Hayley

9/26/03

[Signature]

J. L. Hawk

[Signature]
<table>
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<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
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<th>Remarks</th>
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<td>Judith Becker</td>
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<tr>
<td>29</td>
<td>Bette, David C.</td>
<td>H.34</td>
<td>29097</td>
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</tbody>
</table>
**Declaration of Vested Groundwater Rights**

(Section 327, Montana Session Laws, 1961)

**State of Montana**

**Office of State Engineer**

**Declaration of Vested Groundwater Rights**

*Spring*

1. Nyhart, Brothers (Name of Appropriator)

2. County of Madison

3. State of Montana

4. Town of Twin Bridges

5. Address (Address)

6. Appr. (Appropriator)

7. 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, household use, and irrigation*

   3. Date or approximate date of earliest beneficial use: *1915, continuously ever since*

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): *10 miners 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: *1 acre - garden and lawn near house owned by Orril and Lester Nyhart*

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: *1915*

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

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

   10. The estimated amount of groundwater withdrawn each year: *10 miners inches year around*

   11. The log of formations encountered in the drilling of each well if available: *none 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: *Earl J. Nyhart*

   Date: *December 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)

magazine of Twin Bridges
(Address)
(Town)

County of Madison
(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 and continuously since—

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof—none.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater—1900.

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

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater—none—

10. The estimated amount of groundwater withdrawn each year—10 gallons per minute, year around—

11. The log of formations encountered in the drilling of each well if available—none 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—Claude A. Butt—
Date—December 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.
RECORDED OFFICE, Madison County, Montana.

Filed Dec. 31, 1965
at 8:00 O'clock A.M.

By: Deputy

Fee $2.50
# GROUNDWATER INDEX

**County:** Madison  
**Twp.:** 63  
**Rge.:** 5W

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
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</tr>
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<tr>
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<td>Kelly, Jim + Mary</td>
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<tr>
<td>25</td>
<td>Kelly, Jim + Mary</td>
<td>4W4</td>
<td>28825</td>
<td>See Sec. 24 Above</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)

1. Frank Kelly and Mary L. Kelly, of Alder
   (Name of Appropriator) (Address) (Town)
County of Madison State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since 1864 as to each of three springs described in plat.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) the total flow of these three springs estimated at 15 minutes each per second of time.

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. Water accumulates in tanks and cattle drink from the tanks.

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—variable estimated 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.

10. The estimated amount of groundwater withdrawn each year—total flow of each of said springs.

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.

Two springs are located in SW of Section 24, and one spring is located in NE of Section 25; all in township 68, R.5 W, M.P.M.

Signature of Owner

Date: December 30, 1963

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.
<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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<td>Howard, Chas E Mother</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)

L. W. Hansen, of Virginia City
(Name of Appropriator) (Address) (Town)
County of Madison, 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: an appropriation
   of Big Spring for stock water.

3. Date or approximate date of earliest beneficial use; and how continu-
   ously the use has been maintained: 1865.

4. The amount of groundwater claimed (in miner's inches or gallons
   per minute): 50 miners inches, statutory measurement per second of time.

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 loca-
   tion of each well or other means of withdrawal: in the hollow or
   spring bed in which the water of Big Spring accumulates and is made available for the

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
   drawal of groundwater: 1865.

8. The depth of water table: Variable.

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: 50 miners inches, statutory measurement per second of time continuously 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 books and page of any county record: Use this watering livestock on sections
   1 and 2 and 11, T. 6 S., R. 4 W., and section 36, T. 5 S., R. 4 W.,
   owner L. W. Hansen

Signature of Owner
L. W. Hansen
Date: December 23, 1963

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

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

Original to the County Clerk and Recorder, Duplicate to the State Engineer; Triplicate to the Montana Bureau of
Mines and Geology, and Quadruplicate for the Appropriator.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Lowell L. Silman, of (Name of Appropriator) (Address) (Town)

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

N

W

E

S

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.

3. Date or approximate date of earliest beneficial use; and how continuous 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, Lowell L. Silman
Date Dec 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 Appropiator.
RECORDS OFFICE

Madison County, Montana

Filed Dec 31 1962

at 2 o'clock PM

SDL

County Recorder

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)

NAME OF APPROPRIATOR: Chris E. Esther Hansen
ADDRESS: Alder
COUNTY OF MADISON
STATE OF MONTANA

I, Chris E. Esther Hansen, of Alder, Madison County, Montana, do hereby declare and acknowledge that 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: Used for household and poultry stock

3. Date or approximate date of earliest beneficial use: Some time between 1922 and 1930, continuous use since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 20 gallons per minute when needed.

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: Electric pump on well.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Aug. 1947, redrilled in 1949.

8. The depth of water table: 20 ft. from surface.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Well is cased with 6 in. steel pipe, tank, depth of water in casing.

10. The estimated amount of groundwater withdrawn each year: 1600 gallons.

11. The log of formations encountered in the drilling of each well if available: None 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: [Signature]
Date: Mar. 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 Approprietor.
Madison County, Montana.

26796

CAINS E. Kouns
Esther Kouns

26796

RECORDEE'S OFFICE,ss.
Madison County, Montana.

Filed Mar 21 1913

9:05 o'clock a.m.

[Signature]

County Recorder

By

[Signature]

Deputy