### Water Well Log

**Owner**: Harold J. Roundbusch, Jr.  
**Address**: Carter Park  
**County**: CHouteau

**Date Started**: July 1955  
**Date Completed**: August 1956

**Location**: Sec. 2, T. 23 N., R. 6 E.  
**Type of well drilled**:  
**Equipment used**:  
**Type of screen or perforations**:  
**Remarks**: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

<table>
<thead>
<tr>
<th>Type of Well Drilled</th>
<th>Equipment Used</th>
<th>Drill</th>
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<tbody>
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<table>
<thead>
<tr>
<th>Water use:</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
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<tr>
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<td>[x]</td>
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<tr>
<th>Casing:</th>
<th>ft. to 51 ft.</th>
<th>Type</th>
<th>Size</th>
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<tr>
<td></td>
<td>[ ] iron</td>
<td>[ ]  inch</td>
<td></td>
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<td></td>
<td></td>
<td>[ ]  inch</td>
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<table>
<thead>
<tr>
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<th>ft. to 57 ft.</th>
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<th>Size</th>
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<tr>
<td></td>
<td>[ ] iron</td>
<td>[ ]  inch</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>[ ]  inch</td>
<td></td>
</tr>
</tbody>
</table>

Perforated or screened: Ft. 525 to Ft. 565. Ft. [ ] to ft. [ ]

Static water level, for non-flowing well: 260 feet.

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

Pumping water level 360 feet at 10 gal. per min.

How tested: [ ] time tested; [ ]

Length of test: indefinitely

Remarks: (over)
# Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>7</td>
<td>topsoil</td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>32</td>
<td>shale</td>
</tr>
<tr>
<td></td>
<td>32</td>
<td>33</td>
<td>cap rock</td>
</tr>
<tr>
<td></td>
<td>33</td>
<td>70</td>
<td>shale</td>
</tr>
<tr>
<td></td>
<td>70</td>
<td>73</td>
<td>cap rock</td>
</tr>
<tr>
<td></td>
<td>73</td>
<td>270</td>
<td>shale, hard cap rock lower 2 feet</td>
</tr>
<tr>
<td></td>
<td>270</td>
<td>280</td>
<td>soft slaty shale (gas)</td>
</tr>
<tr>
<td></td>
<td>280</td>
<td>481</td>
<td>intermittent sandy shale &amp; gas</td>
</tr>
<tr>
<td></td>
<td>481</td>
<td>530</td>
<td>sandstone streaks &amp; shale</td>
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<tr>
<td></td>
<td>530</td>
<td>560</td>
<td>sandstone (water)</td>
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<tr>
<td></td>
<td>540</td>
<td>546</td>
<td>bentonite (clear)</td>
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<td>546</td>
<td>560</td>
<td>sandstone (water)</td>
</tr>
<tr>
<td></td>
<td>560</td>
<td>572</td>
<td>sandy shale</td>
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## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
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<tbody>
<tr>
<td>0</td>
<td>topsoil</td>
</tr>
<tr>
<td>7</td>
<td>shale</td>
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<tr>
<td>32</td>
<td>cap rock</td>
</tr>
<tr>
<td>53</td>
<td>shale</td>
</tr>
<tr>
<td>70</td>
<td>cap rock</td>
</tr>
<tr>
<td>73</td>
<td>shale, hard cap rock lower 2 feet</td>
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<td>soft slaty shale (gas)</td>
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<tr>
<td>491</td>
<td>sandstone streaks &amp; shale</td>
</tr>
<tr>
<td>530</td>
<td>sandstone (water)</td>
</tr>
<tr>
<td>540</td>
<td>bentonite (clear)</td>
</tr>
<tr>
<td>560</td>
<td>sandstone (water)</td>
</tr>
<tr>
<td>560</td>
<td>sandy shale</td>
</tr>
</tbody>
</table>
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: 1900
Owner: Catherine Lenington
Address: Fort Benton, Montana
Contractor (if any): None
Address of Contractor: None
Date Started: 1961
Date Completed: 1961

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

Dug Out Spring—Gravity Flow—10 ft. square and 5 feet deep—
2 gal per minute

Gravity Flow—Damed—2 gals per minute—used year around since 1900 for stock water

Signature of Owner: Catherine Lenington
Date: December 23, 1963

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner

Address

Contractor (if any)

Address of Contractor

Date Started... Date Completed...

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

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


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

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 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 __________________________
Owner: H. Walker, Jr.
Address: Flowers, Montana
Contractor (if any): none
Address of Contractor: none
Date Started: 1950 Date Completed: 1950

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Dugout developed spring, cribbed with tank and 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
Gravity - 3 gallons per minute,
Gravity flow, Stock water used year around.

Signature of Owner: H. Walker
Date: June 26, 1950

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and Quadruplicate for the Appropriator.
**MONTANA BUREAU OF MINES AND GEOLOGY**

**BATTLE, MONTANA**

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Arlen Argenbright</th>
<th>Address</th>
<th>Carter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>E. D. Rafferty</td>
<td>Address</td>
<td>Great Falls</td>
</tr>
<tr>
<td>Date Started</td>
<td>August 19, 1957</td>
<td>Date Completed</td>
<td>Sept. 4, 1957</td>
</tr>
</tbody>
</table>

**Location:** Sec. __________, T. __________, R. __________

**Type of well:** Drilled

**Equipment used:** Churn drill

**Water use:** Domestic [ ] Municipal [ ] Stock [ ] Irrigation [ ]

**Industrial** [ ] Drainage [ ] Other [ ]

**Casing:**
- 0' ft. to 467' ft. Type Iron Size 12 in.
- [ ] ft. to [ ] ft. Type [ ] Size [ ]

**Perforated or Screened:**
- [ ] ft. to [ ] ft. Type [ ] Size [ ]
- [ ] ft. to [ ] ft. Type [ ] Size [ ]
- [ ] ft. to [ ] ft. Type [ ] Size [ ]

**Type of screen or perforations:**
- [ ] by 10 in. slots

**Static Water level, for non-flowing well:** 287 ft. from top

**Shut-in pressure, for flowing well:** 447 ft. lb./sq. in. on: [ ]

**Pumping water level:** 447 ft. 3 gal. at 3 gal. per min.

**How tested:** Boiler

**Length of test:** 2 hour

**Remarks:** (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
- Cave catchor made of galvanized tin. Placed above perforation.

(over)
### Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0' to 3'</td>
<td>Surface soil</td>
</tr>
<tr>
<td>3' to 43'</td>
<td>Yellow clay</td>
</tr>
<tr>
<td>43' to 247'</td>
<td>Colorado Chalk</td>
</tr>
<tr>
<td>247' to 251'</td>
<td>Bentonite</td>
</tr>
<tr>
<td>251' to 280'</td>
<td>Colorado shale</td>
</tr>
<tr>
<td>280' to 293'</td>
<td>Sand Rock</td>
</tr>
<tr>
<td>293' to 327'</td>
<td>Colorado Chalk</td>
</tr>
<tr>
<td>327' to 331'</td>
<td>Bentonite</td>
</tr>
<tr>
<td>331' to 348'</td>
<td>Colorado Chalk</td>
</tr>
<tr>
<td>348' to 350'</td>
<td>Bentonite</td>
</tr>
<tr>
<td>350' to 354'</td>
<td>Sandy Chalk</td>
</tr>
<tr>
<td>354' to 395'</td>
<td>Bentonite and Sandy soil</td>
</tr>
<tr>
<td>395' to 449'</td>
<td>Colorado Chalk</td>
</tr>
<tr>
<td>449' to 460'</td>
<td>Seep, and Sand Rock</td>
</tr>
<tr>
<td>460' to 466'</td>
<td>Water, sand rock</td>
</tr>
<tr>
<td>466' to 467'</td>
<td>Shale</td>
</tr>
</tbody>
</table>

*Revised 9/1/1957*

*State Engineer*
<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>17</td>
<td>John E. Peters</td>
<td>S-273</td>
<td>370919</td>
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NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 5/22/73
Owner: John E. Presa
Address: 1209 2nd Street, Missoula
Contractor (if any): 
Address of Contractor: 
Date Started: 11/5/72; Date Completed: 11/5/72
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.

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
STATE OF MONTANA,  
COUNTY OF GOUTEAU

Filed: MAY 22, 1938

at 4:30 o'clock P.M.

By ______________________ Deputy

Fee $____Paid
<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>G64</td>
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<td>Charles Mosey</td>
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<td>A. J. Kathleen Bettman</td>
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<td>A. G. Compa</td>
<td>G64</td>
<td>346623</td>
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<td>Charles Harold Keedemen</td>
<td>G64</td>
<td>346702</td>
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<td>87</td>
<td>Lewis P. Warden</td>
<td>G64</td>
<td>346570</td>
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<td>Rose T. Drenthen</td>
<td>G63</td>
<td>3466577</td>
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<tr>
<td>75</td>
<td>Hazel Weltbrand</td>
<td>G63</td>
<td>3465274</td>
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STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
STATE ENGINEER

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

1. Charles Morrow, of Fort Benton
   (Name of Appropriator) (Address) (Town)

County of Chouteau, 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
   agriculture & irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1920

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

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
   two acres in same location as well

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 1920, improved in 1956 and 1961

8. The depth of water table 6 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
   hand dug well 14 feet deep, casing 11 inches in diameter

10. The estimated amount of groundwater withdrawn each year 7,000,000 gallons

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

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

Signature of Owner
Date: December 27, 1961

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

Date of Appropriation of Groundwater: 1886

Owner: Charles Morrow  Address: Fort Benton, Mont.
Contractor (if any): none
Address of Contractor: none
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. self flowing
spring
catch basin

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. 1000 gallons per minute pumped with irrigation pump.
now used year around for stockwater and irrigation

Signature of Owner:

Date: December 27, 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.
DEPARTMENT OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. A. J. & Kathleen Hafeman, of Fort Benton
   (Name of Appropriator) (Address) (Town)

County of Chouteau 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
   July, 1948 continuous

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

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

6. The means of withdrawing such water from the ground and the description 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
   July, 1948

8. The depth of water table
   approximately 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
   drilled well approximately 750 feet deep, six inch casing, 10 foot

10. The estimated amount of groundwater withdrawn each year
    600,000 gallons

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

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

Signature of Owner: A. J. & Kathleen Hafeman
Date: December 27, 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 School of Mines 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. A. B. Cooper, of Fort Benton,
   (Name of Appropriator) (Address) (Town)
   County of Chouteau, 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 and stock water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: September 1, 1961.

4. The amount of groundwater claimed: 10 gallons per minute.

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: September 1, 1961.

8. The depth of water table: 90 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: 160 foot drilled well.

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: Colorado shale.

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

Signature of Owner: Date: 12/31/63

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
<table>
<thead>
<tr>
<th>STATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Of MONTANA</td>
</tr>
<tr>
<td>CITY OF CHOUTEAU</td>
</tr>
</tbody>
</table>

**Filing Information**

- **Filed**: DEC 23 1966
- **County Clerk**: **Albert A. Henery**
- **Deputy**: **[Signature]**
- **Paid**: 2-0-0

**# 34662-3**

<table>
<thead>
<tr>
<th><strong>Description</strong></th>
<th><strong>Details</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Plaintiff</td>
<td>[Details]</td>
</tr>
<tr>
<td>Defendant</td>
<td>[Details]</td>
</tr>
<tr>
<td>Cause of Action</td>
<td>[Details]</td>
</tr>
</tbody>
</table>

**Notes**: Complete summary of legal action details, including dates, parties involved, and court references.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Charles Knudsen, of 108 Box 13, Fort Benton

(Name of Appropriator) (Address) (Town)

County of Chouteau State of Montana

have appropriated groundwater according to the Montana laws in effect prior 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

1925

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 land 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

1925

8. The depth of water table

31 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

Shallow 3 foot well

31 feet deep

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: Dec. 11, 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 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. Norris E. Herford, of 869 Exadlin, Fort Benton
   (Name of Appropriator)  (Address)  (Town)

   County of Chase  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 (by year)

   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 School of Mines and quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELLS

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater .........................................................
Owner ........................................
Address ................................................
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.

Pumping ........................................
Spring ........................................

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

To be used during winter 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 Appropriator.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: September 1, 1960
Owner: Hazel Hildebrand
Address: Highwood, Montana
Contractor (if any): none
Address of Contractor:

Date Started: June 10, 1960; Date Completed: September 1, 1960

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

Opened up flowing spring and curbed it with concrete

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:

21 gallons per minute by actual measurement used for household and domestic water and watering livestock

Signature of Owner: Hazel Hildebrand

Date: October 24, 1963

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Approporator.
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<th>Type of Form</th>
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<td>Katharine Almosa</td>
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<td>L. R. Adams</td>
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<td>Gary Farms Corp.</td>
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<td>36</td>
<td>Charles L. Shaw</td>
<td>C64</td>
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</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. M. A. Hamilton, of Fort Benton
   (Name of Appropriator) (Address) (Town)

County of Chouteau, 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: December 23, 1921.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 60 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: December 23, 1921.

8. The depth of water table: 1810 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: through 1265 feet; Colorado shale: 460 feet; Montana: 233 feet; Ellis; and 320 feet Madison Lave; casing: pulled except surface drilling; perforated flows.

10. The estimated amount of groundwater withdrawn each year: 15,300,000 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: M. A. Hamilton
Date: 12/31/63

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines 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. Wm. O'Kane of Fort Benton, Montana
   (Name of Appropriator) (Address) (Town)
   County of Chouteau 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 and stock water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since 1949:

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 3.9 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:
   No. Applicable

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

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

8. The depth of water table:
   2.4 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 inch casing Deep Well

10. The estimated amount of groundwater withdrawn each year:
    300,000 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: Date: 1/23/63

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1938
Owner: James O. Fairman
Address: 1107 North 5th St., Butte, Montana
Contractor (if any): None
Address of Contractor: None
Date Started: 1938 Date Completed: 1938

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.

Springs will water 7.5 feet of call per day on about 750 days per year.

Signature of Owner: James O. Fairman
Date: December 14, 1943

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. [Name of Appropriator] of [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 School of Mines and Quadruplicate for the Appropriator.
COUNTY OF CHOUTEAU

STATE OF MONTANA

COUNTY OF CHOUTEAU

Plaint Dec 21 1933

A. B. C.

Defendant

By

2. 3d.. Paid
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Name of Appropriator: Francis knives

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1946

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 75

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:

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: This is all in sand rock

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

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

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: Francis knives
Date: 12-3-46

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.
State of Montana
Administrator of Groundwater Code
Office of State Engineer
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. 

<table>
<thead>
<tr>
<th>Name of Appropriate</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frank John Ovans</td>
<td>Ennis</td>
</tr>
</tbody>
</table>

County of Chouteau State of MT
have appropriated groundwater according to the Montana law in effect prior to January 1962, as follows:

2. The legal description on which the claim is based

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

4. The amount of groundwater obtained (in million 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 means for 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 specified 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.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1962)

1. Donald Wilson
   (Name of Appropriate)
   FORT BENTIN
   (Address)
   (Town)
   County of CHOTEAU
   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
   HOUSEHOLD OR STOCK USE

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

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

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

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 1940

8. The depth of water table 20 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 50 FT. PUMP

10. The estimated amount of groundwater withdrawn each year PUMPED

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 Donald Wilson
Date Dec 25 1965

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.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner: Ross J. Bennett

Address: ST. BENEDICT, Montana

Contractor (if any): Edward A. Anderes

Address of Contractor: ST. BENEDICT

Date Started: 1957

Date Completed: 1957

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

Spring piped into trough

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.

15 Gal. per minute by measure.

To be used during winter months: Oct. through March.

Signature of Owner: Ross J. Bennett

Date: Dec. 20, 1963

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
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<tr>
<td>George W. Kennell</td>
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</table>
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Pass E. Bennett, of Ennis, Montana
   (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...

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: Pass E. Bennett
Date: Dec 30, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Catherine Clausen of/o Randall Swanberg, Medical Arts Bldg., Great Falls, Montana
   (Name of Appropriator)
   County of Cascade 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    1918 and since

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

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

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater    1918

   8. The depth of water table    100 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    Good water but limited supply

   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:   Randall Swanberg, Agent for attorney in fact. Date: Dec. 20, 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 School of Mines and Quadruplicate for the Appropriator.
**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.

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<tr>
<th>Owner</th>
<th>Charles F. Shaw</th>
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<tbody>
<tr>
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<tr>
<td>Contractor (if any)</td>
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<tr>
<td>Address of Contractor</td>
<td></td>
</tr>
<tr>
<td>Date Started</td>
<td></td>
</tr>
<tr>
<td>Date Completed</td>
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<td>1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.)</td>
<td>Flowing spring</td>
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<td>2. Means of withdrawing water (gravity, pump, canal, etc.)</td>
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<td>3. Depth of water table</td>
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<tr>
<td>4. Use of the water</td>
<td>Cattle</td>
</tr>
<tr>
<td>5. Amount of groundwater claimed (in miner's inches or gallons per minute)</td>
<td>50 gal. per minute</td>
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<td>6. If used for irrigation, give number of acres and description of land</td>
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<td>7. Estimate amount of water used each year</td>
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<td>8. Months of year spring flow</td>
<td>12 months</td>
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</tbody>
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**INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.**

Elevation of spring, if known or estimated

Signature of Owner: Charles F. Shaw

Date: June 29, 1973
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 . Oct. 1959

Owner. Katherine Clausen

Address, c/o Randall Ranchers Medical Arts Bldg. Great Falls, Montana

Contractor (if any) Developed by Loran A. Ferry Fort Benton, Montana


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

* collection box

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 2000 gal. a day. Estimated by filling a can.

Used at measured times during the year for stock water.

Signature of Owner: _______________________

Date: Nov. 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 School of Mines and Quadruplicate for the Appropriator.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater...
Owner...
Address...
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 used in intermittent estimate approximate length of periods of use.

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 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. Riss E. Bennett, of FT. Benton
   (Name of Appropriator) (Address) (Town)

   County of Chouteau State of MT 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: MANUFACTURING

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1935

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 3,500,000 Gallons/Season

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 USED

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1924

8. The depth of water table: 90 FT 50 FT 80 FT

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Well & Casing 100 FT. Deep

10. The estimated amount of groundwater withdrawn each year: 3,500,000 Gallons

11. The log of formations encountered in the drilling of each well if available: SHALE was encountered below 50 FT

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: Riss E. Bennett
Date: Dec 20, 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 School of Mines and Quadruplicate to the Appropriator.
STATE OF MONTANA

COUNTY OF CHouteau

Filed for R. L. M. 1905

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Received

Gloucet County

9-2-00