Office of State Engineer
Helena, Montana

Gentlemen:

Enclosed is the duplicate of a Notice of Appropriation of Groundwater.

Very truly yours,

WALDORF-HOERNER PAPER PRODUCTS COMPANY

W. C. Hodge

WCH:wo

Enclosure
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION 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)

Owner

Date of Notice of appropriation of groundwater

Date well started

Date completed

Type of well

Equipment used

Water use

Indicate on the diagram the character and thickness of each stratum met with in drilling, such as soil, clay, shales, 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</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Kind Size</th>
<th>Pump (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6 5/8&quot;</td>
<td>0</td>
<td>113</td>
<td>N O N D</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well

Shut-in Pressure for Flowing Well

Pumping Water Level

Diurnal Change in Water Level

Discharge in gal. per min.

How Tested

Air Lift Pump

Length of Test

Remarks:

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

Show exact depth of bottom.

Bottom of well 115 feet from surface.

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, one 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
as they are not overpumped, i.e., they should be pumped at rates not in excess of 60% of the tested capacity of the aquifer.
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Waldorf - Hoerner
Address: Missoula, Montana

Driller: Liberty Drilling Co.
Address: Missoula, Montana

Date of Notice of appropriation of groundwater: 4/19/66

Date well started: 3/28/66

Date completed: 6/25/66

Type of well: Drilled

Equipment used: Cable Tools

(Drag, Driven, bored or drilled)

Water use: Domestic □ Municipal □ Stock □ Irrigation □

Industrial □ Drainage □ Other □

Few scattered gravels.

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.

Formation Log:

<table>
<thead>
<tr>
<th>Formation</th>
<th>Depth</th>
<th>Character</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 1</td>
<td>Black dirt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 - 17</td>
<td>Fine sand and large gravel mixed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17 - 28</td>
<td>Fine silty gray sand</td>
<td></td>
<td></td>
</tr>
<tr>
<td>28 - 31</td>
<td>Gray sand and coarse gravel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>31 - 49</td>
<td>Fine to gray brown silty sand, Few scattered gravels</td>
<td></td>
<td></td>
</tr>
<tr>
<td>49 - 57</td>
<td>Brown silty sand-fine</td>
<td></td>
<td></td>
</tr>
<tr>
<td>57 - 78</td>
<td>Very silty brown sand with clay lonsoms</td>
<td></td>
<td></td>
</tr>
<tr>
<td>78 - 84</td>
<td>Cleaner slightly coarser brown sand with some gravel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>84 - 90</td>
<td>Brown clay</td>
<td></td>
<td></td>
</tr>
<tr>
<td>90 - 94</td>
<td>Gravel imbedded in blue gray clay</td>
<td></td>
<td></td>
</tr>
<tr>
<td>94 - 108</td>
<td>Fine brown silty sand</td>
<td></td>
<td></td>
</tr>
<tr>
<td>108 - 115</td>
<td>Coarser cleaner brown sand, Few scattered gravels</td>
<td></td>
<td></td>
</tr>
<tr>
<td>115 - 131</td>
<td>Coarse gravel mixed with very fine brown to gray sand, Some fine mica mixed in</td>
<td></td>
<td></td>
</tr>
<tr>
<td>131 - 131</td>
<td>Coarse gravel mixed with Boulders &amp; cobblestones</td>
<td></td>
<td></td>
</tr>
<tr>
<td>131 - 134</td>
<td>Fine tan to brown sand mixed with coarse</td>
<td></td>
<td></td>
</tr>
<tr>
<td>134 - 144</td>
<td>Pulp &amp; Paper Mill</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Show exact depth of_bottom.

Bottom of hole 162'

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.

Formation Log & Remarks continued on reverse side

- Static Water Level for non-flowing well 510 feet.
- Shut-in Pressure for Flowing Well: 2217 feet
- Pumps Water Level: 2217 feet
- Discharge in gal. per min. of flowing well: 2000 gal. per minute.
- Length of Test: 4 hours
- Remarks: Gravel packing, cementing, packers, type of shutoff, etc.

- (Continue on reverse side)
144 - 148 Very fine blue - gray sand mixed with gravel and cobblestones.

148 - 152 Fractured green argillite.

- 116 - 117 - 40/1000 slot
- 117 - 118 - 60/1000 slot
- 118 - 129 - 120/1000 slot
- 129 - 142 - 50/1000 slot
- 142 - 146 - 30/1000 slot

The screen is fitted with a tightly swaged lead packer top and a 15 foot tail pipe with a solid closed bottom. All water entering well is coming through the slots in this screen.

Development Log:

Well was initially developed with a solid block surge, a valved surge and sand pump until gravel pack was built up around screen and formation stabilized. Development was then completed by surging and pumping with compressed air. During the air development phase well was pumped in excess of 4000 gallons per minute.

Water Log:

Well produced 2000 gallons per minute of clear sand free water with 16' 3" of drawdown on a four hour pump test. At completion of test well recovered immediately to within nine inches of static water level. In thirteen minutes well was fully recovered. The specific capacity of well at completion was 120 gallons per minute per foot of drawdown. Static level at completion of well was 5'10" from top of casing.

Water Rises in the well 5'10" from surface
**Notice of Completion of Groundwater Appropriation by Means of Well**

**DEVELOPED AFTER JANUARY 1, 1963**

*Under Chapter 237, Montana Session Laws, 1961*

**STATE OF MONTANA**

**Office of State Engineer**

**STATE WATER CONSERVATION BOARD**

**County: Missoula**

---

**Top of Ground**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Color</th>
<th>Texture</th>
<th>Character</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Black dirt</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1½</td>
<td>Gravel &amp; cobblestones</td>
<td>Tan to gray</td>
<td>Waldorf - Hoerner</td>
<td>Mixed with sand &amp; gravel</td>
</tr>
<tr>
<td>6</td>
<td>Tan to gray</td>
<td>Drilled</td>
<td>Liberty Drilling Co.</td>
<td>Address Missoula, Montana</td>
</tr>
<tr>
<td>34</td>
<td>Fine dark gray &amp; brown</td>
<td>Drilled</td>
<td>Equipment Used: Cable Tools</td>
<td></td>
</tr>
<tr>
<td>65</td>
<td>Fine brown sand with very few scattered gravel</td>
<td>Date started: 8/17/66</td>
<td>Date completed: 8/18/66</td>
<td></td>
</tr>
<tr>
<td>86</td>
<td>Clean coarse sand</td>
<td>Drilled</td>
<td>Armco Iron Well Screen</td>
<td></td>
</tr>
<tr>
<td>93</td>
<td>Tan to gray clay</td>
<td>Drilled</td>
<td>Armco Iron Well Screen</td>
<td></td>
</tr>
<tr>
<td>106</td>
<td>Fine sand, w sand, silt, &amp; some clay mixed with coarse gravel</td>
<td>Drilled</td>
<td>Armco Iron Well Screen</td>
<td></td>
</tr>
<tr>
<td>114</td>
<td>Cleaned up good in sump but made mud when drilled ahead.</td>
<td>Drilled</td>
<td>Armco Iron Well Screen</td>
<td></td>
</tr>
<tr>
<td>141</td>
<td>Fine sand</td>
<td>Drilled</td>
<td>Armco Iron Well Screen</td>
<td></td>
</tr>
</tbody>
</table>

**Bottom of hole 160’**

---

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: 52

Driller’s Signature: [Signature]

Date: SEP 20 1966
Formation Log contd.

- 141 - 142 gravel & broken rock mixed in silt clay. SWL 8'-5"
- 142 - 160 Rock. Gray limestone. SWL 8'-5"

Remarks contd.

- 113 - 116 - 60/1000 slot
- 116 - 119 - 80/1000 slot
- 119 - 140 - 90/1000 slot

The screen is fitted with a tightly swaged lead packer top and a 20 foot tail pipe with a solid closed bottom. All water entering the well is coming through the slots in this screen.

Development Log:

The well was initially developed with a solid block surge, a valved surge and sand pump until gravel pack was built up around screen and formation stabilised. Development was then completed by surging and pumping with compressed air. During the air development phase, the well was pumped in excess of 4000 gallons per minute.

Water Log:

The well was pumped at rates exceeding 4000 gallons per minute during development phase with compressed air. While accurate drawdown readings are not obtainable using this method of pumping, all indications are that this well will produce 2000 gallons per minute with less than 20 feet of drawdown from static water level, recovered immediately to within one foot of static level and was fully recovered twenty minutes after pumping was stopped. Static water level at completion of well was 8'-5" from surface.

Water rises in well 8'-5" from surface.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

Richard E. Watkins, of Route 2, Missoula
(Address)
County of Missoula
State of Montana

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

<table>
<thead>
<tr>
<th>N</th>
<th>W</th>
<th>E</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 700 gallons per day

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 for irrigation

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. About 1920

8. The depth of water table. About 10 feet to static water level

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. 110 feet at 5 gallons per minute

10. The estimated amount of groundwater withdrawn each year. 700 feet

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

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

Signature of Owner: Richard E. Watkins
Date: Nov 3, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
I received and filed this instrument for record on the 27th day of July, 1931, at 3:30 o'clock p.m., permanent file of Missoula County, State of Montana.

Witness my hand.

MARTIN A. BERNER, County Recorder

By: EDNA SCHUCE, Deputy

[Signature]
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, state, otherwise the
form may be returned.

Owner: Charles D. Bloom
Address: Rt. 2 Mullan Rd., Missoula, MT
Date well started: June 1, 1972
Date well completed: June 5, 1972
Type of well: Driven
Equipment used: Driven
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

<table>
<thead>
<tr>
<th>Site of Drilled Hole</th>
<th>Size and Weight of Drilling</th>
<th>From</th>
<th>To</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6&quot;</td>
<td>6&quot;</td>
<td>0</td>
<td>39&quot;</td>
<td>3/8&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1½&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>12&quot;</td>
</tr>
</tbody>
</table>

Static water level: 10 ft.
Pumping water level: 12 ft.
at 33 gallons per minute,
measured 10 minutes after pumping began.
*Measured from ground level. Well developed by: R.A.T. 9 hours.
Power: 220 Volt Pump: 1 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: Charles D. Bloom
Driller's Address: Rt. 2 Mullan Rd., Missoula

39" deep Show exact depth of bottom

53,555
I received and filed this instrument for record on the 24th day of June, 1928, at 10 o'clock A.M., in the permanent files of Missoula County, State of Montana.
Witness my hand:
Dorothy L. Head, County Recorder
Deputy County Recorder
Fee $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Developer: [Name]
Address: [Address]

Date well started: [Date]
Completed: [Date]

Type of well: [Type]
Equipment used: [Equipment]
Water Use: Domestic [ ] Municipal [ ] Stock [ ] Irrigation [ ]
Industrial [ ] Drainage [ ] Other [ ] Garden/Lawn [ ]

Describe: [Description]

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Pipe</th>
<th>Size and Weight of Casing</th>
<th>Perforations</th>
<th>Static Water Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot;</td>
<td>1-1/2&quot; x 3' 12&quot; - 30</td>
<td>7/8&quot; x 6&quot; - 24&quot; - 30</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: [Level]
Pumping water level: [Level]

*Measured from ground level.

Well developed by: [Developer]

Power: Electric Pump: [HP]
Remarks: [Remarks]

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.

EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature: [Signature]
Driller's Address: [Address]
LICENSE NO: [License]

Show exact depth of bottom: [Depth]

Count: [Count]
I received and filed this Instrument for record on the 28th day of January 1973 at 11:30 o'clock A.M. in permanent files of Missoula County, State of Montana. Witness my hand.

Dorothy L. Head, County Recorder
By M.T. Shockey, Deputy
Fee $2.00
DECLARATION OF VESTED GROUNDWATER RIGHTS

Under Chapter 237, Montana Session Laws, 1961

1. **Floyd Krommes**
   - Name of Appropriator
   - Address
   - Town
   - County of
   - State of Montana

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

   - The beneficial use on which the claim is based: [space for description]
   - Date or approximate date of earliest beneficial use; and how continuous the use has been: [July 4, 1947]
   - The amount of groundwater claimed (in miner's inches or gallons per minute): [600 gal.]
   - If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: [space for details]
   - The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: [pump]
   - The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: [1947]
   - The depth of water table: [14 ft.]
   - 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 23 ft. with casing]
   - The estimated amount of groundwater withdrawn each year: [200,000 gal.]
   - The log of formations encountered in the drilling of each well if available: [space for details]
   - 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: [space for details]

   Signature of Owner: **Floyd Krommes**
   - Date: Dec 31, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

NAME OF APPROPRIATOR: Bloyd Henderson
ADDRESS: Pt. 2, Sec. 14
TOWN: Missoula
COUNTY: Missoula
STATE OF MONTANA

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

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

2. Date or approximate date of earliest beneficial use: 1947

3. The amount of groundwater claimed (in miner's inches or gallons per minute): 500 gal.

4. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: 150,000 gal.

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

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1947

7. The depth of water table: 12 ft.

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

9. The estimated amount of groundwater withdrawn each year: 150,000 gal.

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

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

Signature of Owner: Bloyd Henderson

Date: Dec. 31, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Approporator.
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: Keith & Judith Hillard
Address: R.2, Mullan Rd., File 278, 3rd R.
Mullan, Mt.

Date well started
Winter 1971
GW 1, 11:50 a.m.

completed

Top of Ground

<table>
<thead>
<tr>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Top soil</td>
</tr>
<tr>
<td>10</td>
<td>Sediment</td>
</tr>
<tr>
<td>17</td>
<td>Sand &amp; Gravel</td>
</tr>
<tr>
<td>21</td>
<td>Clay</td>
</tr>
<tr>
<td>30</td>
<td>Sand &amp; Gravel</td>
</tr>
</tbody>
</table>

Type of well: Driven

Equipment used: Driven

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

*Describe: ____________________________

USF: If used for irrigation, industrial, drainage or other, explain state number of acres and location or other data (i.e., lot, block and addition).

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot;</td>
<td>4½</td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth</th>
<th>3½</th>
</tr>
</thead>
<tbody>
<tr>
<td>1½</td>
<td></td>
</tr>
<tr>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 16½ ft.
Pumping water level: 50 ft.

Measured 90 gallons per minute, minutes after pumping began.

*Measured from ground level.

Well developed by: 3½ hours.

Power: Electric Pump, 3½ HP.

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

Driller's Signature: William Sullivan

Driller's Address: R.2

LICENSE NO. ________

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

RECEIVED

Show exact depth of bottom

30'
I received and filed this instrument for record on the 27th day of June, 1974, at 11:50 o'clock, A.M., Permanent Time, of Missoula County, State of Montana.
Witness my hand:
Dorothy L. Head, County Recorder
By: J. N. _________. Deputy
Fee $2.00

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**: Jane Whitt
**Address**: R.R. 3, Marion, MT
**File**: 5623, 3640/2
**Well Location**: Missoula County, MT
**Date well started**: Aug. 26, 1969
**Date well completed**: Aug. 26, 1969

**Type of well** (Drill, driven, bored or drilled)

**Equipment used** (Chains drill, rotary or other)

**Water Use**: Domestic [X] 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**

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Drilling</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; x 4&quot;</td>
<td>640 ft</td>
<td>10 ft</td>
<td>100 ft</td>
</tr>
</tbody>
</table>

**PERFORATIONS**

<table>
<thead>
<tr>
<th>Type of Drilled Hole</th>
<th>Size (Inches)</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; x 4&quot;</td>
<td>20 ft</td>
<td>30 ft</td>
<td>40 ft</td>
</tr>
</tbody>
</table>

**Static water level**: 15 ft

**Pumping water level**: 40 ft

**Power**: 1 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**: __________

---

**LICENSE NO**

---

**Show exact depth of bottom**

---

5493
I received and filed this instrument for record on the 1st day of June, 1921, at 11 o'clock A. M., in the offices of Missoula County, State of Montana. Witness my hand:
Dorothy L. Haga, County Recorder
By: ________________________________ Deputy
Fee $1.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 287 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: Margret (For Administrator's Use)

Address: East 2 Ninth, Marice, Mont.

Date well started: 3/4/62

Type of well: Dug

Equipment used: Dug

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

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Depth</th>
<th>Rate of Draw</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot;</td>
<td>1/2</td>
<td>-24</td>
<td>64&quot; - 24 - 30</td>
</tr>
</tbody>
</table>

Static water level 16 ft.
Pumping water level 40 ft.
at 90 gallons per minute,
measured 5 minutes after pumping began.

*Measured from ground level.

Well developed by
for 12 hours.

Power: Diesel Pump: 5 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: East 2 Ninth, Marice, Mont.

LICENSE NO. 358

County: Marice

DRILLER'S LOG

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

Top of Ground (Bar above sea level)

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>20</td>
</tr>
<tr>
<td>67</td>
<td>100</td>
</tr>
<tr>
<td>17</td>
<td>28</td>
</tr>
<tr>
<td>21</td>
<td>30</td>
</tr>
</tbody>
</table>

Show exact depth of bottom

53, 726
I received and filed this instrument for record on the 12th day of June, 1929 at 2:00 o'clock A.M. in the permanent file of Missoula County Court of Montana. Witness my hand.

Dwight L. House, County Recorder
By: H. R. Johnson, Deputy
Fee $3.00, Paid.
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.

<table>
<thead>
<tr>
<th>Owner</th>
<th>Eugene Starlin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Ida Mullan Rd. Missoula, Mont.</td>
</tr>
<tr>
<td>Date well started</td>
<td>Nov 18, 1970</td>
</tr>
<tr>
<td>completed</td>
<td>Nov 20, 1970</td>
</tr>
<tr>
<td>Type of well</td>
<td>Driven</td>
</tr>
<tr>
<td>Equipment used</td>
<td>Driven</td>
</tr>
</tbody>
</table>

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

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Date of Pumping</th>
<th>Start of Flood</th>
<th>Flood</th>
<th>End of Flood</th>
<th>Preparations</th>
</tr>
</thead>
<tbody>
<tr>
<td>4'</td>
<td>6'6&quot; + 2&quot;</td>
<td>-30&quot;</td>
<td>3/4&quot;V4&quot;</td>
<td>-24&quot;</td>
</tr>
</tbody>
</table>

Static water level: 1/2 ft.
Pumping water level: 30 ft.

*Measured from ground level.

Well developed by: 1000 ft.

Power: 1 HP

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

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

Driller's Signature: Eugene Starlin

Driller's Address: Male

LICENSE NO. 

Show exact depth of bottom
I received and filed this Instrument for record on the 24th day of January, 1978, at 11:45 o'clock A.M., in the Permanent files of Missoula County, State of Montana. Witness my hand:

Dorothy L. Head, County Recorder
By: ____________________________ Deputy

Fee $2.00 ___________ PA 44629
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

(Name of Appropitator) (Address)
(Town)
County of Montana, 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: 
   July 24, 1952

4. The amount of groundwater claimed (in miner's, inches or gallons per minute)
   90 gal 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
   Electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   July 24, 1952

8. The depth of water table
   9 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
   Well is 20 ft. deep
   Pump is electric

10. The estimated amount of groundwater withdrawn each year
    Don't know

11. The log of formations encountered in the drilling of each well if available
    Information only for this as far as I know

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
    Book 24, Order 357, page 3

Signature of Owner: William Sullivan
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 Appropitator.

5 5309
I received and filed this instrument for record on the 20th day of D__._. 19__ at 4:30 o'clock P.M., permanent file of Missoula County, State of Montana. I witnessed my hand.

Dorothy L. Head, County Recorder
By __________, Deputy
For $____.____.____ Paid
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: John Sullivan
Address: 123 Main St, Missoula, MT 59801

Date well started: Oct 15, 1970
Date well completed: Oct 17, 1970

Type of well: Driven
Equipment used: Drill

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

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Site of Initial Rise</th>
<th>Size and Weight of casing</th>
<th>Tr (Foot)</th>
<th>To (Foot)</th>
<th>Nacked Rise</th>
<th>Tr (Foot)</th>
<th>To (Foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1</td>
<td>4.1</td>
<td>28</td>
<td>9</td>
<td>28</td>
<td>4.1x6</td>
<td>24</td>
</tr>
</tbody>
</table>

Static water level: 56 ft
Pumping water level: 20 ft

Power: Electric... 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff...)

Driller's Signature: John Sullivan
Driller's Address: 123 Main St, Missoula, MT 59801
LICENSE NUMBER: 03672

Top of Ground (Elev. above sea level)

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.3</td>
<td>56</td>
</tr>
<tr>
<td>0.4</td>
<td>56.9</td>
</tr>
<tr>
<td>0.5</td>
<td>57.9</td>
</tr>
<tr>
<td>0.6</td>
<td>59.5</td>
</tr>
</tbody>
</table>

Show exact depth of bottom

55810
I received and filed this instrument for record on the 24th day of June, 1972, at 2:30 o'clock, P. M., in the presence of Missoula County, State of Montana.
Witness my hand:
Dorothy L. Head, County Recorder
By Cameron Bliss, Deputy
Feb 8, 1972
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: Mary Sullivan
Address: Missouri, Mont 5711
Date well started: Oct 1, 1973
Date well completed: Oct 1, 1973
Type of well: Drilled
Equipment used: Driller
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

<table>
<thead>
<tr>
<th>Depth (Feet)</th>
<th>From (Depth)</th>
<th>To (Depth)</th>
<th>Depth (Feet)</th>
<th>From (Depth)</th>
<th>To (Depth)</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>4'2</td>
<td>9'2</td>
<td>40</td>
<td>9'2</td>
<td>42</td>
</tr>
</tbody>
</table>

Static water level: 10 ft.
Pumping water level: 20 ft.
at 90 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by
for hours.
Power: Electric 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: Mary Sullivan
Driller's Address: Glenmore
License No: None

Show exact depth of bottom
I received and filed this instrument for record on the 33d day of June, 1933, at 9:30 o'clock A.M., permanent time of Missoula County, State of Montana.

Witness my hand:
Dorothy L. Head, County Recorder
By: C.E. Rieke, Deputy

[Signature]

Fee $3.80 paid.
**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL**

Developed after January 1, 1962

(Under Chapter 227 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**: John J. Sullivan

**Address**: 309 W. Main St., Missoula, Mont. 0

**Date well started**: Oct. 15, 1970

**Date well completed**: Oct. 17, 1970

**Type of well**: Driven

**Equipment used**: Driller

**Water Use**: Domestic

**Equipment used for irrigation, industrial, drainage or other**: Gravel packing, cementing

**ESTIMATED ANNUAL WITHDRAWAL**

<table>
<thead>
<tr>
<th>Size of Drilled Hole (Feet)</th>
<th>Rise and Weight of Drill (Feet)</th>
<th>Top (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>41'</td>
<td>40'</td>
<td>0.8</td>
<td>0.8</td>
</tr>
<tr>
<td>46'</td>
<td>28'</td>
<td>0.8</td>
<td>0.8</td>
</tr>
</tbody>
</table>

**Description of well**

- Static water level: 16 ft.
- Pumping water level: 20 ft.
- Power: 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**: Shown J. Sullivan

**Driller's Address**: Missoula, Mont. 0

**License No.**: None

Show exact depth of bottom

55312
I received and filed this instrument for record on the 31st day of January, 1973, at 6:29 o'clock M., at the county seat of Missoula County, State of Montana, as of the present time of Missoula County, State of Montana.
Witness my hand.

Dorothy L. Head, County Recorder
By Cameron Hammons, Deputy
Fee $2.00 paid.
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: Marion Sullivan
Address: Missoula, Montana
Date well started: Oct 17, 1972
Completed: Oct 17, 1972
Type of well: Drilled
Equipment used: Drilled
Water Use: Domestic □ Municipal □ Stock □ Irrigation □ Industrial □ Drainage □ Other □ Garden/Lawn □

Describe: ____________________________________________________________________________

Estimated Annual Withdrawal: ____________________________________________________________________________

Top of Ground (Rev. above sea level)

<table>
<thead>
<tr>
<th>FT.</th>
<th>FT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>0</td>
<td>10</td>
</tr>
</tbody>
</table>

Static water level: 10 ft.
Pumping water level: 20 ft.

Pumping at: 50 gallons per minute, measured: minutes after pumping began.

*Measured from ground level.

Well developed by: ____________________________________________________________________________

Power: ____________________________________________________________________________

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

Driller's Signature: Marion Sullivan
Driller's Address: Missoula, Montana

LICENSE NO. __________
I received and filed this Instrument for record on the 23 day of December, 1959, at 10 o'clock A.M., permanent files of Missoula County, State of Montana.
Witness my hand:

Dorothy J. Head, County Recorder
By: __________________________ Deputy
Fee $1.00 Col. Paid
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. William J. Sullivan, of Route 2, Grass Valley, Missoula
   (Name of Appropriator) (Address) (Town)
   County of Missoula, State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
      April 3, 1951 daily

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

   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 available

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
      well-electric pump, southeast of section 56, township 14 N, R. 21 W.

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
      April 3, 1951

   8. The depth of water table
      about 8 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
      28-foot deep, 4-inch suction

   10. The estimated amount of groundwater withdrawn each year
       172,500

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

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

Signature of Owner: William Sullivan
Date: 9/10/63

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
I received and filed this instrument for record on the 26th day of October, 1910, at 9 o'clock A.M., in the permanent files of Missoula County, State of Montana.

Witness my hand.

MARTIN S. SEHNER, County Recorder.

[Signature]

Deputy

[Signature]
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Oechsman, Gaspard</td>
<td>SW 3</td>
<td>312833</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Oechsman, Phillip</td>
<td>SW 2</td>
<td>258640</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Oechsman, W. J.</td>
<td>SW 3</td>
<td>212839</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Oechsman, Alfred E.</td>
<td>SW 4</td>
<td>1196</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Holmes, Ernest &amp; Blanche</td>
<td>SW 3</td>
<td>211855</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Holmes, Ernest Blanche</td>
<td>SW 3</td>
<td>211856</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Holmes, Paul</td>
<td>SW 3</td>
<td>1258</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Mantua Highway Dept.</td>
<td>SW 3</td>
<td>300621</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Oechsman, S. W.</td>
<td>SW 3</td>
<td>213854</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Lucius, Dotelle &amp; Son</td>
<td>SW 3</td>
<td>215510</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Lucius, Dotelle &amp; Son</td>
<td>SW 3</td>
<td>215512</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Sunset West Zone</td>
<td>SW 3</td>
<td>329111</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Sunset West Inc.</td>
<td>SW 3</td>
<td>329184</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Sunnen, Claude</td>
<td>SW 3</td>
<td>1237</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Sunnen, Darren</td>
<td>SW 3</td>
<td>1238</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Johnson, Jesse &amp; Eugene</td>
<td>SW 3</td>
<td>214780</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Johnson, Jesse &amp; Eugene</td>
<td>SW 3</td>
<td>214779</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Williams, Reg</td>
<td>SW 3</td>
<td>186435</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Dougherty, D. V.</td>
<td>SW 3</td>
<td>315522</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Yager, A. Henry</td>
<td>SW 3</td>
<td>327171</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Whitt, Reality</td>
<td>SW 3</td>
<td>339303</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Oechsman, Allred</td>
<td>SW 3</td>
<td>151469</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Oechsman, Allred</td>
<td>SW 3</td>
<td>1259</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Oechsman, Allred</td>
<td>SW 3</td>
<td>1660</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>Zencoll, Ilo.</td>
<td>SW 3</td>
<td>248394</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Runnells, Robert</td>
<td>SW 3</td>
<td>302335</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Spencola, Cottle</td>
<td>SW 3</td>
<td>16193</td>
<td></td>
</tr>
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<td>Williams, Helen</td>
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<td>Williams, H. W.</td>
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<td>333542</td>
<td>or 333548</td>
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<td>NSA HOSPITAL DISTRICT</td>
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<td>移动: 5th Street,</td>
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<td>30</td>
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For school district in district: well leg
**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: Gasper H. Bechmann, Rts. 2, Missoula

Contractor (if any): None

Address of Contractor: Does not apply

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:

<table>
<thead>
<tr>
<th>Date of Appropriation of Groundwater</th>
<th>Owner: Gasper H. Bechmann Rts. 2, Missoula</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Contractor (if any): None</td>
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<tr>
<td></td>
<td>Address of Contractor: Does not apply</td>
</tr>
<tr>
<td></td>
<td>Date Started: Date Completed:</td>
</tr>
</tbody>
</table>

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

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

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

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

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.
I received and filed this instrument for record on the 3rd day of February, 1965, at 8:15 o'clock A.M., permanent time of Missoula County, State of Montana.

Witness my hand:

MARTIN J. BEHNER, County Recorder

By: J. BELL, Deputy

Date: 2/8/65

Paid
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Owner) Leslie P. and Dorothy J. Robbins

Address: Missoula, Montana

Driller: Liberty Drilling Co.

Address: Missoula, Montana

Date of Notice of appropriation of groundwater: None filed.

Date well started: 3/21/69

Date completed: 3/23/69

Type of well: Drilled

Equipment used: Cable tools

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.

Static Water Level for non-flowing well: 21 feet.

Shut-In Pressure for Flowing Well: None.

Pumping Water Level: 21 feet.

Discharge in gal. per min. of flowing well: None.

How Tested: Air Lift Pump

Length of Test: 8 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through cracks and seams in the rock 79 to 83 feet.

Portion of Lot 1 of the 58% of the NE 1/4 of section 6, Township 14N, Range 20W, Principal Meridian

MONTANA WATER RESOURCES BOARD

RECEIVED

MAR 26 1970

Show exact depth of bottom. Bottom of well 83 ft.

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: Wm. F. Colman
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater... Not known

Owner... G. W. Brendhammer... Address... Rte. 2 Missoula

Contractor (if any)... None

Address of Contractor... None

Date Started... None... Date Completed... None

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

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... constant

signature of owner...

Date... 12/10/63

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

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

Please answer all questions. If not applicable, so state, otherwise this 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.
I received and filed this instrument for record on the 25th day of JANUARY, 1863, at 4:10 o'clock P.M., at the courthouse of Missoula County, State of Montana.

Witness my hand.

MARTIN S. BEHNER, County Recorder

By: S. L. Ball, Deputy

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. Alfred E. Deschamps
   (Name of Appropriator) of St. 2
   (Address) Missoula (Town)

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

2. The beneficial use on which the claim is based
   Domestic, lawn and garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   May 1956, continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
   10 gallons 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
   Lawn and garden around dwelling

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   3 h.p., electric motor and pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   May 1956, commenced and completed

8. The depth of water table
   Avg. - 77 feet - Oct. '62 - 45 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
   6 inch casing, 202 feet deep

10. The estimated amount of groundwater withdrawn each year
    350,000 gallons

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

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

Signature of Owner

Date

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
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: 1880
Flores Hamel and Blanche Hamel
owner. Blanchetown, Montana
Contractor (if any): None
Address of Contractor: None
Date Started: 1880 Date Completed: 1880
Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. The spring is located
immediately north of the section line on property
belonging to Victor Lisseline. Appropriation was
made of the overflow from said spring by means of
a rock casing, 2 inch pipe which runs the water
into a metal trough.
Quantity of water developed and used with explanation of method
used to measure or estimate such amount. If use is intermit-
tent estimate approximate lengths of periods of use
used year-around for watering cattle except
during extreme cold weather.

Signature of Owner: Flores Hamel
Date: October 7, 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.
I received and filed this instrument by record on the 21st day of July, 1885, at 10:30 o'clock a.m., permanent file of Missoula County, State of Montana. Witness my hand:

MARTIN S. BEHNER, County Recorder
By: J. C. LAMONT, Deputy

Seal 
Paid
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1880

Florence Hamel, Owner

Blanche Hamel, Address: Francis Town, Montana

Contractor (if any): None

Address of Contractor: None

Date Started: 1880

Date Completed: 1880

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable: **rooked casing around springs, then water is piped in 2 inch pipe to metal troughs nearby.**

Excess runs down draws in pasture.

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: **Used year around.**

Signature of Owner: Florence Hamel

Date: October 7, 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.
I received and filed this instrument this day of , 1886, at o'clock, M., permanent time of Missoula County, State of Montana.
Witness my hand.

MARTIN S. BEETH, County Recorder
By: DEPUTY COUNTY RECORDER—Deputy

Fee $ ,000.00

Paid
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1885

Owner: Paul Hamel
Address: Ste. 2, Missoula

Contractor (if any): None
Address of Contractor:

Date Started: 1885
Date Completed: 1885

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable: open spring, water runs out to drainage gully.

Used for watering livestock.

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:

13 inches runs out continuously.

Used during pasture season continuously.

Signature of Owner: Paul Hamel
Date: December 31, 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.
December 31, 1962

For the year ending December 31, 1962

Net Income: $10,000

Beginning Inventory: $20,000

Sales: $120,000

Cost of Goods Sold: $75,000

Ending Inventory: $30,000

Gross Profit: $45,000

Operating Expenses: $15,000

Net Income: $30,000

1963

Net Income: $25,000

Beginning Inventory: $30,000

Sales: $150,000

Cost of Goods Sold: $100,000

Ending Inventory: $25,000

Gross Profit: $50,000

Operating Expenses: $20,000

Net Income: $30,000
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CONSERVATION
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 Montana Highway Dept.
Address Helena, Montana

For Administrator's Use

Project 190-2(35) 86 Lot

Date well started Feb. 2, 1971
completed Feb. 12, 1971

Type of well Drilled

Equipment used Churn Drill

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

*Describe Well Station.

USE if used for Irrigation, Industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Cutting</th>
<th>Perforations</th>
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<tbody>
<tr>
<td>6&quot; l.o.</td>
<td>6&quot; l.o.</td>
<td>152' l.o.</td>
</tr>
<tr>
<td>19 lb per ft</td>
<td>4' above g.l.</td>
<td>none</td>
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</table>

Static water level ...129.0 ft.
Pumping water level 133.0 ft.

*Masured from ground level.

Well developed by Feet. Pumped for 3 hours.
Power: Elec. Pump 1 HP
Remarks: (Gravel packing, cementing, packers, type of strata)

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

Driller's Signature CAMP WELL DRILLING & PUMP SUPPLY
Driller's Address 1522 3rd Ave. W, Missoula, Montana.

LICENSE NO. 7

Top of Ground

No. 1

<table>
<thead>
<tr>
<th>E.D. Weight Station</th>
<th>Project</th>
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<tbody>
<tr>
<td>Flathead, Montana</td>
<td>190-2(35)</td>
<td>Boulder</td>
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<td>Red Clay &amp; Gravel</td>
<td>150-151</td>
<td>151</td>
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<tr>
<td>Red Clay &amp; Sand</td>
<td>151-152</td>
<td>Sand, Gravel &amp; Water</td>
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</table>

48251
I received and filed this instrument on
record on the 23rd day of February, 1971
at 10:30 A.M., permanent file
at Minneola Circuit Court in Minneola
Witness by our hand

Vernors H. Cross, County Recorder
By: ___________________________ Deputy
Fee: $______  40c
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Not known

Owner: G. W. Deshmukh, Address: Route 2, Missoula

Contractor (if any): None

Address of Contractor: Does not apply

Date Started: None, Date Completed: None

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

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: Constant-use

Signature of Owner: _______ Date: 17 May 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.
I received and filed this instrument for record on the 12th day of November, 1963
at 8:12 a.m., in the Court House, in the County and District of Missoula, State of Montana.

Witness my hand:

MARTIN L. REAPERS, County Recorder

By: ____________________________

File No. 12

Paid
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: unknown at present time. Probably dates back to time of government patent.
Owner: Dorille E. Lucier
Address: 32, - Mela, Mont.
& Lena V. Lucier, husband and wife
Contractor (if any) not applicable

Address of Contractor: not applicable

Date Started: not applicable
Date Completed: not applicable

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. A regular spring which comes from the underground by natural pressure. The water is guided to a water tank by a pipe which is placed approximately nine feet below ground level at point of the spring source. However, water from spring does come to ground surface.

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. Spring fills a 250-gallon tank approximately 10 times a day, therefore, spring produces approximately 2,500 gallons or more in 24 hours.

Signature of Owner: Lena V. Lucier
Date: December 31, 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.