## Montana Bureau of Mines and Geology

**Butte, Montana**

### Water Well Log

<table>
<thead>
<tr>
<th>Location</th>
<th>Sec 26</th>
<th>32 N 58E SE ¼ NE ¼</th>
</tr>
</thead>
</table>

**Owner:** Signal Drilling & Exploration

**Address:** Denver, Colo.

**Driller:** Western Drilling Co

**Address:** Medicine Lake, Mont.

**Date Started:** June 5, 1961

**Date Completed:** June 8, 1961

**Type of well:** Drilled

**Equipment used:** Rotary

**Water use:** Domestic [x]

**Industrial** [ ]

**Municipal** [ ]

**Stock** [ ]

**Irrigation** [ ]

**Drainage** [ ]

**Other:** [ ]

**Casing:** 0 ft. to 297 ft. Type: steel Size: 4"

**Type of screen or perforations:**

**Static Water level, for non-flowing well:** 18 ft.

**Shut-in pressure, for flowing well:** 0 lb/sq. in. on: (date)

**Pumping water level:** 45 ft. feet at 8 gal. per min

**How tested:** Pump

**Length of test:** 2 hours

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

Casing is set into gravel and water comes into the bottom end of casing.
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>7</td>
</tr>
<tr>
<td>7</td>
<td>14</td>
</tr>
<tr>
<td>14</td>
<td>61</td>
</tr>
<tr>
<td>61</td>
<td>65</td>
</tr>
<tr>
<td>65</td>
<td>70</td>
</tr>
<tr>
<td>70</td>
<td>82</td>
</tr>
<tr>
<td>82</td>
<td>150</td>
</tr>
<tr>
<td>150</td>
<td>221</td>
</tr>
<tr>
<td>221</td>
<td>226</td>
</tr>
<tr>
<td>226</td>
<td>236</td>
</tr>
<tr>
<td>230</td>
<td>232</td>
</tr>
<tr>
<td>232</td>
<td>292</td>
</tr>
<tr>
<td>292</td>
<td>297</td>
</tr>
<tr>
<td>Type of well</td>
<td>Casing:</td>
</tr>
<tr>
<td>-------------</td>
<td>---------</td>
</tr>
</tbody>
</table>
| drilled     | 0 ft. to 66 ft. | 4"
|             | 66 ft. to ft. | Size 5 |
|             | ft. to ft. | Type
|             | ft. to ft. | Type

Perforated or Screened: Ft. 61 to ft. 65. Ft. to ft.

Type of screen or perforations

Static Water level, for non-flowing well: 20 feet.

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

Pumping water level 36 feet at 1/4 gal. per min.

How tested: Pump

Length of test 24 hours

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

3" hole was drilled to 66 ft. Then casing was cemented in middle of hole and five second grad was poured around casing and hole was sealed with cement. The pedestal cement was poured around casing filled with dirt.

(owner)
### 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>0</td>
<td>54</td>
<td>54</td>
<td>Clays</td>
</tr>
<tr>
<td>54</td>
<td>64</td>
<td>64</td>
<td>Sand water well</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

Owner: [Name]
Address: [Address]

Driller: [Name]
Address: [Address]

Date of Notice of Appropriation of Groundwater: [Date]

Date well started: [Date]
Date completed: [Date]

Type of well: [Type]
Equipment Used: [Equipment]

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

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock, or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

Static Water Level for non-flowing Well: [Feet]
Shut-in Pressure for Flowing Well: [Pressure]
Discharge in gal. per min. of flowing well: [Flow]

How Tested: [Test Method]
Length of Test: [Time]

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

Show exact depth of bottom.

Driller's License Number: [Number]
Driller's Signature: [Signature]

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

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

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

[Signature]
<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>5</td>
<td>RASHUSSEM, GORDON</td>
<td>Gw 2</td>
<td>3101638</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>SORENSON, PETE</td>
<td>Gw 2</td>
<td>338215</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>RASHUSSEM, PEDER</td>
<td>Gw H</td>
<td>324300</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>RASHUSSEM, CHRISTIAN N</td>
<td>H</td>
<td>331901</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>LEWIS, JAMES A</td>
<td>Gw 1</td>
<td>3065321</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>LEWIS, JAMES A</td>
<td>Gw 2</td>
<td>333394</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>LEWIS, JAMES A</td>
<td>Gw 1</td>
<td>336632</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>LEWIS, JAMES A</td>
<td>Gw T</td>
<td>333392</td>
<td></td>
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<tr>
<td>19</td>
<td>LEWIS, JAMES A</td>
<td>Gw 2</td>
<td>331977</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
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

Address

Date well started

Date well completed

Type of well

Equipment used

Water Use: Domestic [ ] Municipal [ ] Stock [ ] Irrigation [ ]

Other USE:

*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

Top of Ground (Elev. above sea level)

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>62.5</td>
<td>75</td>
</tr>
<tr>
<td>75</td>
<td>80</td>
</tr>
<tr>
<td>75</td>
<td>80</td>
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<tr>
<td>80</td>
<td>85</td>
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<tr>
<td>85</td>
<td>90</td>
</tr>
<tr>
<td>90</td>
<td>95</td>
</tr>
<tr>
<td>95</td>
<td>100</td>
</tr>
<tr>
<td>100</td>
<td>105</td>
</tr>
<tr>
<td>105</td>
<td>110</td>
</tr>
</tbody>
</table>

Static water level

Pumping water level

at gallons per minute, measured minutes after pumping began.

*Measured from ground level.

Well developed by

for hours.

Power Pump 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.

RECEIVED
AUG 11 1972

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.

State number of acres and location or other data (i.e. Lot, Block and Addition).

Driller's Address

 LICENSE NO.
Notice of Completion of Groundwater Appropriation by Means of a Well

(Under Chapter 237, Montana Public Laws, 1963)

Owner: Jim Johnson
Address: Bogus Basin
Driller: Albert Anderson
Address: Helena, MT

Date of Notice of Appropriation of Groundwater: Sept. 9, 1963
Date well started: Aug. 27, 1962
Date completed: Sept. 9, 1963

Type of well: dug (dug, driven, bored or drilled)
Equipment Used: rotary

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

---

<table>
<thead>
<tr>
<th>Strata and height to which water rises in the well</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 ft.</td>
</tr>
<tr>
<td>15 ft.</td>
</tr>
<tr>
<td>20 ft.</td>
</tr>
<tr>
<td>25 ft.</td>
</tr>
<tr>
<td>30 ft.</td>
</tr>
<tr>
<td>35 ft.</td>
</tr>
<tr>
<td>40 ft.</td>
</tr>
<tr>
<td>45 ft.</td>
</tr>
<tr>
<td>50 ft.</td>
</tr>
<tr>
<td>55 ft.</td>
</tr>
<tr>
<td>60 ft.</td>
</tr>
<tr>
<td>65 ft.</td>
</tr>
<tr>
<td>70 ft.</td>
</tr>
</tbody>
</table>

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Static Water Level for non-flowing well: 30 feet
Shut-in Pressure for flowing well: 0
Pumping Water Level: 76 feet at 5 gal. per minute
Discharge in gal. per min. of flowing well: 0
How Tested: Pump Length of Test: 9 ft.

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

Amount of casing: 36.8
about 3 feet of cemented casing
and 1 foot from end of casing

Driller's License Number: 106
Driller's Signature: Albert L. Anderson
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Piotr Prommesc, of Dagmal, Mont.

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 
   1939 - Not in Continuous Existence

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 100 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: 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: 
   By Windmill

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1964

8. The depth of water table: 120 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: 
   Sand and Gravel

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

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

   Signature of Owner: Piotr Prommesc
   Date: 12-31-1963

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

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1962)

1. (Name of Appropriator) of (Address) (Town)

County of Sheridan, 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 and livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: continuous daily use since 1944

4. The amount of groundwater claimed (in inches or gallons per minute): 200 gallons per minute, both wells

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: irrigation of yard, H&F Sec. 7, 10250 Rgs. 29N 59W

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1944, both wells

8. The depth of water table: 90' depth of wells; water level 50'

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: one is steal casing well; second well wood casing

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

11. The log or formations encountered in the drilling of each well if available: none available

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

Signature of Owner ______________________
Date December 31, 1963

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

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 257, Montana Session Laws, 1963)

Name of Appropriator: W. A. Sasmussen
Address: 1222 E. Main St.

County of Sheridan
State of Montana

I, the undersigned, do hereby state that 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: household and livestock

2. Date or approximate date of earliest beneficial use: [ ]

3. Continuous daily use since January 1, 1962: [ ]

4. The amount of groundwater claimed (in cubic inches or gallons per minute): 100 gallons per minute, both wells

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the person entitled to the irrigation of land: [ ]

6. The means of withdrawing such water from the ground and the location of each well on the means of withdrawal: pumps on both wells

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1964, both wells

8. The depth of water table: 90' depth of wells; water level 90'

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: one is steel casing well, second well wood casing

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

11. The log or 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: Christian Wiensmeyer
Date: December 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the County in which the well is located. Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Notice of Appropriation of Groundwater

Date of Notice of Appropriation of Groundwater:

Date when start of drilling occurred:

Drilling method (drilled, bored, jet):

Water Use:

- Domestic
- Municipal
- Industrial
- Drainage
- Other

Depth at which water was encountered:

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

Static Water Level for non-flowing Well:

Shut-in Pressure for flowing Well:

Discharge in gal per min of test well:

Pumping Test (85 feet at 9.6 gal per minute):

- Static Water Level for non-flowing Well
- Shut-in Pressure for flowing Well
- Discharge in gal per min of test well

Remarks:

- Gravel packing, cementing, packers, type of Shelby
- Location of place of use of groundwater if not at well
- Any other similar pertinent information, including number of acres irrigated, if used for irrigation.

Driller's License Number:

Driller's Signature:

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

DESIGNER:

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

1. James A. Lewis, Eng. of Box 46, Degnan
   (Name of Appropriator) (Address)

   County of Sheridan, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is to cut the sodium chloride which is being produced from the oil zone near the water well.

3. The rate of use in gallons per minute or miner's inches of groundwater claimed is 6-6 gals per min.

4. The annual period (inclusive dates) of intended use is 2-3 hrs. per day.

5. The probable or intended date of first beneficial use is letter part of Aug. 1963.

6. The probable or intended date of commencement and completion of the well or wells is Commencement Aug. 1st Completion Aug. 15th.

7. The location, type, size and depth of well or wells contemplated is 4½ acre.

8. The probable or estimated depth of the water table or artesian aquifer is 50'-300'.

9. Name, address and license number of the driller engaged is Edward H. Ratke.

   Lot 132 Tioga N. Dsk. License #6 138.

10. Give such other similar information as may be useful in carrying out the policy of this act.

   Signature of Appropriator: James A. Lewis

   Date: July 20, 1963.

   As defined in the Code Sec. 1 (a) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

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

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

   Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well

Owner: Dennis Tomlino
Address: Iota, MT

Date of Notice of Appropriation of Groundwater:

Type of well: Drilled
Equipment Used: Chisel, drill, rotary, etc.

Water Use: Domestic
Industrial
Municipal
Stock

Static Water Level for non-flowing Well: 40 feet.
Shut-in Pressure for Flowing Well:
Pumping Water Level: 118 feet at 416 gal. per minute.

Discharge in gal. per min. of flowing well:

How tested: airlifted
Length of Test: 2 hours.

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>10&quot;</td>
<td>60 + above</td>
<td>127</td>
<td></td>
</tr>
</tbody>
</table>

Driller's License Number: 
Driller's Signature: Dennis Tomlino

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

State Engineer

Notice of Appropriation of Groundwater

No. 2

1. I, [Appropriator's Name], of [Address]

2. The beneficial use to which water is to be applied is

the cultivation of all crops and pasture

3. The rate of use in gallons per minute or miner's inches of groundwater claimed

4. The annual period (inclusive dates) of intended use

5. The probable or intended date of first beneficial use

6. The probable or intended date of commencement and completion of the well or wells

7. The location, type, size and depth of well or wells contemplated

8. The probable or estimated depth of the water table or artesian aquifer

9. Name, address and license number of the driller engaged

10. Give such other similar information as may be useful

As defined in the Code Sec. 1 (e) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

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

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

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

Signature of Appropriator

Date

July 28, 1963
Notice of Completion of Groundwater Appropriation by Means of Well

Date of Notice of Appropriation of Groundwater:

Date well started: [ ]

Date completed: [ ]

Type of well: [ ]

Equipment Used: [ ]

(Churn, drill, rotary or other)

Water Use: Domestic [ ]

Municipal [ ]

Other [ ]

Irrigation [ ]

Industrial [ ]

Drainage [ ]

Stock [ ]

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

---

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>4&quot;</td>
<td>Camp</td>
<td>48'</td>
<td>43'</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 20 feet.

Shut-in Pressure for Flowing Well: 

Pumping Water Level: 38 feet at 5 gal. per minute.

Discharge in gal. per min. of flowing well: 

How Tested: 

Length of Test: 2 hours.

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

---

Driller's License Number: [ ]

Driller's Signature: [ ]

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
STATE OF MONTANA
County of Sanders
Filed this 40th day of August, A.D. 1962
2:10 o'clock P.M.

J. T. Kelly
County Recorder

DEED

Property of Carley E. White
BECHEL

Purchased by Carley E. White
White River, Montana

Deed
Notice of Appropriation of Groundwaters
(Under Chapter 231, Montana Session Laws of 1961)

1. I, [Name of Appropriator], of [Address] of the county of [County], State of Montana, intend to appropriate groundwater in accordance with Chapter 231, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied.

3. The rate of use in gallons per minute or miner's inches of groundwater claimed.

4. The annual period (inclusive dates) of intended use.

5. The probable or intended date of first beneficial use.

6. The probable or intended date of commencement and completion of the well or wells.

7. The location, type, size, and depth of well or wells contemplated.

8. The probable or estimated depth of the water table or artesian aquifer.

9. Name, address, and license number of the driller engaged.

10. Give such other similar information as may be useful in carrying out the policy of this act.

* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well

Owner: 

Driller: 

Date of Notice of Appropriation of Groundwater: 

Date well started: 

Date Completed: 

Type of well: 

Equipment Used: 

Water Use: Domestic 

Municipal 

Other 

Industrial 

Drainage 

Irrigation 

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1/2&quot;</td>
<td>11/2&quot;</td>
<td>10 ft</td>
<td>15 ft</td>
<td>Open complete. Length of Test 2-5/4 hours.</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 

Shut-in Pressure for Flowing Well: 

Pumping Water Level: 

Discharge in gal. per min. of flowing well: 

How Tested: 

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


drilled to green sand formation with 
drive shear. Open hole filled with gravel.

Driller's License Number

Driller's Signature

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Miners and Geologists. Quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

1. James Lewis, 2806, Dayton
   (Name of Appropriator)  
   County of Sheridan, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is: This water is used to cut the sodium chloride which is being produced from the salt dome (describe lands to be benefited, if for irrigation) near the water well.

3. The rate of use in gallons per minute or miner's inches of groundwater claimed: 15 gpm.

4. The annual period (inclusive dates) of intended use: July 1 to July 31.

5. The probable or intended date of first beneficial use: July 1, 1963.

6. The probable or intended date of commencement and completion of the well or wells contemplated: Commencement Aug. 16, 1963, Completion Aug. 15, 1963.

7. The location, type, size and depth of well or wells contemplated: 1 well, 44 csp.

8. The probable or estimated depth of the water table or artesian aquifer: 50 - 300'.

9. Name, address and license number of the driller engaged: Edward H. Pather, Box 732, Tiep, N. Dak.

10. Give such other similar information as may be useful in carrying out the policy of this act: Same as line 2.

   * As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
### Notice of Completion of Groundwater Appropriation by Means of Well

**Owner:**

**Address:**

**Driller:** Dennis Jankowski
**Address:** Joplin, MT

**Date of Notice of Appropriation of Groundwater:**

**Date well started:**

**Equipment Used:**

- Type of well:
  - (dug, driven, bored, or drilled)
- Water Use:
  - Domestic
  - Municipal
  - Other
- Irrigation

- (industrial, drainage, stock)

**Well Indicate on the diagram the characteristics and thickness of the different strata met with in dravling, such as soil, clay, shale, gravel, silt or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata, and height to which water rises in the well.)

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Depth of Drilling</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>202 2-10</td>
<td>24-4</td>
<td>4½”</td>
<td>0”</td>
<td>Open hole</td>
</tr>
<tr>
<td>210 2-10</td>
<td>31-5</td>
<td>10”</td>
<td>0”</td>
<td>Charged with gravel</td>
</tr>
</tbody>
</table>

- **Static Water Level for non-flowing Well:** 191 feet.
- **Shut-in Pressure for Flowing Well:**
- **Pumping Water Level:** 115 feet at 4 gal. per minute.
- **Discharge in gal. per min. of flowing well:**
- **How Tested:**
  - **Test Length of Test:** 2 hours.

**Remarks:** (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other pertinent information, including number of acres irrigated, if used for irrigation) 130 acres.

**Show exact depth of bottom.**

- **Driller’s License Number:**
- **Driller’s Signature:**

---

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

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

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

(Under Chapter 237, Montana Session Laws, 1961)

1. James A. Lewis of Box 116, Dayton
   (Name of Appropriator)
   County of Sheridan, State of Montana
   Intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is
   (describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed.

4. The annual period (inclusive dates) of intended use.

5. The probable or intended date of first beneficial use.

6. The probable or intended date of commencement and completion of the well or wells.
   Commencement and completion Aug 15th

7. The location, type, size and depth of well or wells contemplated.
   Freshwater injection well, 1 1/2" casing

8. The probable or estimated depth of the water table or artesian aquifer.

9. Name, address and license number of the driller engaged.
   Edward H. Geith
   Box 712, Joplin, M. D. License #8

10. Give such other similar information as may be useful in carrying out the policy of this act.

As defined in the Code Sec. 1 (a) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of a Well

State of Montana
ADMINISTRATOR OF GROUND WATER
OFFICE OF STATE ENGINEER

Notice of completion of ground water appropriation by means of a well

(Under Chapter 336, Montana Session Laws, 1961)

Official for signal drilling Address Box 548 Swift Current

Owner: James A. Lewis, Ltd.
Driller: Edward, Prather
Address: Box 375 Topeka, K. S.

Date well started: Dec. 15, 1961
Date Completed: Dec. 20, 1961

Date of Notice of Appropriation of Groundwater

Type of well: Drilled
Equipment Used: Cable tool
(dug, driven, bored or drilled)

Water Use: Domestic, Municipal, Stock, Irrigation, Industrial, Drainage, Other

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, gravel, rock, or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size of Weight of Casing</th>
<th>From</th>
<th>To</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>4*</td>
<td>9 lbs*</td>
<td>97*</td>
<td></td>
<td>No perforations</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 6 ft. from top of ground

Shut-in Pressure for Flowing Well

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

Discharge in gal. per min. of flowing well: 30 gal. per min.

How tested: bole\*d
Length of Test: 6 hours

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
<table>
<thead>
<tr>
<th>Name</th>
<th>Address 1</th>
<th>Address 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**STATE OF MONTANA**

County of Sheridan.

Filed this 23rd day of March, 1977, at 2:45 p.m.

[Signature]

County Recorder.

By Deputy Recorder.
<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>23</td>
<td>GREAT NORTHERN RAILWAY CO</td>
<td>EW H</td>
<td>331039</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>OLSON, CLIFFORD A.</td>
<td>GW H</td>
<td>334902</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>SKILTINGBERG, HALVER</td>
<td>H</td>
<td>334850</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>HANSEN, CURT H.</td>
<td>well/leg</td>
<td>338017</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>STURBAN, ELMER</td>
<td>n, %</td>
<td>338030</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>STURBAN, EDNA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>NELSON, OVE A.</td>
<td>EW H</td>
<td>334158</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Great Northern Railway Company, of 175 E. 4th St., St. Paul, Minn.
   (Name of Appropriator)
   (Address) State of Montana
   (Town)

   County of Sheridan

   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: **Railroad purposes**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **June 1930 - Continuous use since this date.**

4. The amount of groundwater claimed (in. miner's inches or gallons per minute): **6 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:

   N/A

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   **Wells at: (1) Stockyard, Homestead; (2) Stockyard, Medicine Lake; and (3) Section House, Antelope.**
   **(see reverse side for location of other two wells)**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   **May 9, 1930 - June 3, 1930**

8. The depth of water table: **Static water level = 47** • 6/3/30

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   **4" drilled well = 213' deep - casing 205.5'**

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

11. The log of formations encountered in the drilling of each well if available: **See attached log sheet.**

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:

   N/A

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.

GREAT NORTHERN RAILWAY COMPANY
Superintendent of the Mine Division

[Signature]
Date
Well at Stockyard,
Medicine Lake

1. September 1930
2. N/A
3. August 11, 1930 - August 30, 1930
4. N/A
5. 30' drilled well = 20' deep - cased 20' with
27' vitrified pipe.
6. 100,000 gallons
7. N/A

Unable to find record of well at
Antelope.

Homestead, Mont.
Log of Stockyard Well
A.F. 41586
Well drilled by Ry. Co. force's machine. Drilling
began May 3rd & finished June 3rd 1930.
A.C. Anderson- owner
Top of 2 casing-flores ground
- ground surface
- chalk for top sealing
- yellow clay-2
Homestead, Mont
Log of Stockyard Well
AFC 41586

A.E. Anderson - driller

Top of 6" Casing - Cabot ground

Ground Surface - Black top soil - 3
Yellow clay - 8

Water level - 6.10
Clay & gravel - 71

208'-6" of 4" Casing (including makeup)

State - 7
Coal - 10
Soapstone - 7
Coal - 6
Soapstone - 12

Blue shale - 26

Coal - 9
Soapstone - 23
State - 21

Battery of 4" Casing
4' worst spot - 264
0.8 sand & gravel - 12
4' - 12 Johnson screen 116
17 ft. Bottom of Hole

Pumping Test:
Water level was 47' below surface and lowered to 9' when pumping at rate of 6 gpm.

Drilling:
Reached a depth of 105 when hole began to cave and 6" Casing was used to 196 - encountered rock, and continued drilling 6' hole to 215'. Hole was cased to 206' with 4'. The 6" casing was removed.
STATE OF MONTANA,
County of Sheridan.

Filed this 1st day of June, A. D. 1962, at 1:00 o'clock P.M.
A. A. Wood
County Recorder

By myself Hallus
Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. CLIFFORD A. OLSON, of HOMESTEAD.
   (Name of Appropriator) (Address) (Town)

   County of SHERIDAN, 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 - Farm - Ranch Use
      Home Use

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been...
      TO DATE
      1/1/1915 STEADY
      1/1/1937

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

   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...
      WELL PUMP

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater...
      1/1/1915
      1/1/1935

   8. The depth of water table...
      APPROX. 200 FT
      200 FT

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

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

   11. The log of formations encountered in the drilling of each well if available...
      UNAVAILABLE
      CLAY - GROUT

   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: CLIFFORD A. OLSON
   Date: DEC. 28, 1963

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

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

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

At this, the 31st day of December, A.D. 1908
at 12:00 o'clock M.

[Signature]
County Recorder

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

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

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>County of Residence</th>
<th>State of Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Helene Skillingberg</td>
<td>Homestead</td>
<td>Sanders</td>
<td></td>
</tr>
</tbody>
</table>

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

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

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

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: 1940 and date unknown

8. The depth of water table: approximately 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: 

10. The estimated amount of groundwater withdrawn each year: 1,000,000 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: Helene Skillingberg
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 Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
STATE OF MONTANA,

County of Sheridan.

I, the undersigned County Recorder, do hereby certify that I was present at the following proceeding:

On the 50th day of December, A.D. 1968
at 12:00 o'clock P.M.

[Signature]
County Recorder

[Signature]
Deputy
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Curt H. Hause
Address: Homestead

Driller: Unknown
Address:

Date Started: Date Completed: 7/27

Location: Sec. 26 T.31 R.55 

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Dig, driven, bored, or drilled)</td>
<td>(Churn drill, rotary, other)</td>
</tr>
</tbody>
</table>

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

Casing: Wood [x]  Size: 16 in  Type: [ ]  ft. to 50 ft  Type: [ ]  ft.  Size: [ ]

Casing: [ ]  ft. to  [ ]  ft.  Type: [ ]  ft.  Size: [ ]

Forced or Screened: [ ]  ft. to  [ ]  ft.  Type: [ ]  ft.  Size: [ ]

Type of screen or perforations:

Static Water level for non-flowing well: feet.

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

Pumping water level: feet at gal. per min.

How tested:

Length of test:

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

(over)
<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>Albert Stubbings and Edna Stubbings</td>
</tr>
<tr>
<td>Address</td>
<td>Homestead, Mont.</td>
</tr>
<tr>
<td>Driller</td>
<td>Seismograph Crew</td>
</tr>
<tr>
<td>Address</td>
<td>Butte, Mont.</td>
</tr>
<tr>
<td>Date Started</td>
<td>May 3, 1954</td>
</tr>
<tr>
<td>Date Completed</td>
<td>May 4, 1954</td>
</tr>
<tr>
<td>Location: Sec., T., R., % sec.</td>
<td>28, 31, 55, 31</td>
</tr>
<tr>
<td>Type of well</td>
<td>Drilled</td>
</tr>
<tr>
<td>Equipment used</td>
<td>Seismograph Drill</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic</td>
</tr>
<tr>
<td>Casing:</td>
<td>44 ft. to 50 ft.</td>
</tr>
<tr>
<td>Casing:</td>
<td>50 ft. to 60 ft.</td>
</tr>
<tr>
<td>Casing:</td>
<td>60 ft. to 70 ft.</td>
</tr>
<tr>
<td>Casing:</td>
<td>Other:</td>
</tr>
<tr>
<td>Casing:</td>
<td>Iron</td>
</tr>
<tr>
<td>Type of well</td>
<td>Size</td>
</tr>
<tr>
<td>44 ft. to 50 ft.</td>
<td>4 inch</td>
</tr>
<tr>
<td>50 ft. to 60 ft.</td>
<td>5 inch</td>
</tr>
<tr>
<td>60 ft. to 70 ft.</td>
<td>6 inch</td>
</tr>
<tr>
<td>Perforated or Screened:</td>
<td>20 ft. to 30 ft.</td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td>Small valves</td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>100 feet</td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>20 lb/sq.in. at 50 gal. per min.</td>
</tr>
<tr>
<td>Flowing water level:</td>
<td>50 gal. per min.</td>
</tr>
<tr>
<td>How tested</td>
<td>Visual of pump</td>
</tr>
<tr>
<td>Length of test</td>
<td>6 years</td>
</tr>
</tbody>
</table>

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

Above flowing well was drilled by a Seismograph Crew, 1954. It started flowing on 24 days and has continued since. It was drilled to a depth of 300 ft. but filled in to a depth of 50 ft. Forty four feet of perforation.
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>Casing was installed also an overflow pipe which fills a stock tank, and is used for domestic use. This well flows at a rate of 5 gals. per minute, except in dry seasons drop to four or five gals. per minute.</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Owe A. Nelson
of Homestead
(Name of Appropriator) (Address) (Town)

County of Sheridan 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.
   Watering cattle

3. The date or approximate date of earliest beneficial use, and how continuous the use has been. August 1944, continuous use.

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. August 1944.

8. The depth of water table. 15 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.
   Sixty feet, 24 hole, wooden casing.

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. Doesn't remember.

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: Owe A. Nelson
Date: December 19, 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.
<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>8</td>
<td>MILLER, OLGA</td>
<td>GW</td>
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File No.

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Edga Miller, of Homestead

County of Madison

Declaration of vested groundwater rights, according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based: livestock, home and yard and garden site

3. Date or approximate date of earliest beneficial use and how continuous the use has been: 1910 continuous

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 lands to which water has been applied and name of the owner thereof: Irrigation area acres 5/4 of 9-31-56

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: pumpage SW # 547 of 615

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: unknown

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: pumpage 4 weeks casing 130 feet

10. The estimated amount of groundwater withdrawn each year: unknown

11. The log of formations encountered in the drilling of each well if available: Bottom in coal and is unknown

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: name

Signature of Owner

Date: 10-12-63

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.

Send to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
STATE OF MONTANA
County of Sheridan.
Filed this 10 day of
A.D. 1962
at 1:30 o'clock P.M.

R.D. Mathews
County Recorder
By: Myatt Walker
Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Name of Appropriator)
(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 1959-

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

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

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

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

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year

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

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


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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.

Signature of Owner

Date 12-10-1962
**Declaration of Vested Groundwater Rights**

(Under Chapter 23, Montana Session Laws, 1961)

1. County of [Name of County]

2. The beneficial use on which the claim is based:
   - Livestock - garden irrigation etc.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   - 1931 used every day

4. The amount of groundwater claimed (in miner's inches or gallons per minute):
   - 50 gal 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:
   - Windmill with pump jack

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   - 1931 165 ft. drilled well 4 in. hole

8. The depth of water table:
   - 125 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:
   - 165 ft. deep withdrawn by windmill and pump-jack with 25 cylinder on pipe

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

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

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

---

Signature of Owner: [Signature]

Date: Nov. 16, 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 Appraiser.