STATE OF MONTANA, * ss.
MUSSELSHELL COUNTY.

FILED THIS 14TH DAY OF
JANUARY A. D. 1968
AT 2:10 O'CLOCK P.M.

B. H. MATZKE
COUNTY RECORDER

COUNTY RECORDER

DEPUTY
<table>
<thead>
<tr>
<th>Form No. 18</th>
<th>T. 5 S. R. 34 E.</th>
</tr>
</thead>
<tbody>
<tr>
<td>County: Missoula</td>
<td></td>
</tr>
</tbody>
</table>

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address Cont.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glen J. Norton</td>
<td>Address cont.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address Cont.</th>
</tr>
</thead>
<tbody>
<tr>
<td>George Rothe</td>
<td>Address cont.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Started</th>
<th>June, 1932</th>
<th>Date Completed</th>
<th>July, 1932</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Location: Sec. 3 T.</th>
<th>Sec. 24 R.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Water use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Churn, drill, rotary other</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ft. to 100 ft.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ft. to ft.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Perforated or screened</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ft. to Ft. 50 to 100 ft.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of screen or perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>perforations in casing</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Static water level, for non-flowing well:</th>
</tr>
</thead>
<tbody>
<tr>
<td>feet</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>How tested:</th>
</tr>
</thead>
<tbody>
<tr>
<td>below water table</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Length of test:</th>
</tr>
</thead>
<tbody>
<tr>
<td>min.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remarks:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>距井底部0</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Remarks:</th>
</tr>
</thead>
</table>
**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form No. 18</td>
<td></td>
</tr>
<tr>
<td>8-60</td>
<td></td>
</tr>
<tr>
<td>Owner</td>
<td>Glen L. Morton</td>
</tr>
<tr>
<td>Address</td>
<td>Broadview, Mont.</td>
</tr>
<tr>
<td>Driller</td>
<td>George Hewett</td>
</tr>
<tr>
<td>Address</td>
<td>Mont.</td>
</tr>
<tr>
<td>Date Started</td>
<td>June, 1932</td>
</tr>
<tr>
<td>Date Completed</td>
<td>June, 1932</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 8, T. 24 R. 24 S, Sec. 30/2</td>
</tr>
<tr>
<td>Type of well</td>
<td>Drilled</td>
</tr>
<tr>
<td>Equipment used</td>
<td>Churn drill</td>
</tr>
<tr>
<td>(Dug, driven, or drilled)</td>
<td></td>
</tr>
<tr>
<td>(Churn, drill, rotary other)</td>
<td></td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic</td>
</tr>
<tr>
<td>Municipal</td>
<td></td>
</tr>
<tr>
<td>Stock</td>
<td>Irrigation</td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
</tr>
<tr>
<td>Drainage</td>
<td>Other</td>
</tr>
<tr>
<td>Casing: 0 ft. to 100 ft.</td>
<td>Type Driv. steel Size 6&quot; dia.</td>
</tr>
<tr>
<td>Casing: ft. to ft.</td>
<td>Type Size</td>
</tr>
<tr>
<td>Casing: ft. to ft.</td>
<td>Type Size</td>
</tr>
<tr>
<td>Perforated or screened</td>
<td>Ft. 50 to Ft. 100 Ft. to Ft.</td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td>perforations in casing</td>
</tr>
<tr>
<td>Static water level, for non-flowing well</td>
<td>50 feet</td>
</tr>
<tr>
<td>Shut-in pressure for flowing wall</td>
<td>lb./sq. in. on:</td>
</tr>
<tr>
<td>(date)</td>
<td></td>
</tr>
<tr>
<td>Pumping water level</td>
<td>15 feet at 5 gal.perm.</td>
</tr>
<tr>
<td>How tested</td>
<td>Bulked with well drill</td>
</tr>
<tr>
<td>Length of test</td>
<td>10 min</td>
</tr>
<tr>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
</tr>
</tbody>
</table>

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

**Remarks:**

- Gravel packing around casing for 5 feet from bottom of well.
<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>Glen L. Morton</td>
</tr>
<tr>
<td>Address</td>
<td>Broadview, Butte</td>
</tr>
<tr>
<td>Date Started</td>
<td>Oct. 1961</td>
</tr>
<tr>
<td>Date Completed</td>
<td>Oct. 1961</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 5, T.R. 24, Sec. 7, W.</td>
</tr>
<tr>
<td>Type of well</td>
<td>Hand dug</td>
</tr>
<tr>
<td>Water use</td>
<td>Irrigation</td>
</tr>
<tr>
<td>Casing</td>
<td>0 ft. to 12 ft.</td>
</tr>
<tr>
<td>Perforated or screened</td>
<td>8 ft. to 12 ft.</td>
</tr>
<tr>
<td>Static water level</td>
<td>4 feet</td>
</tr>
<tr>
<td>Shut-in pressure</td>
<td>0.5 lb./sq. in. on: (date)</td>
</tr>
<tr>
<td>Pumping water level</td>
<td>2 feet at 5 per. min.</td>
</tr>
<tr>
<td>Length of test</td>
<td>15 min.</td>
</tr>
<tr>
<td>Remarks</td>
<td>Gravel packing, cementing, packers, of shut-off, depth of shut-off</td>
</tr>
</tbody>
</table>

Note: The document is a form used by the Montana Bureau of Mines and Geology to record data about water wells. The form includes fields for the owner's name, address, date started and completed, location, type of well, water use, casing dimensions, perforations, static water level, shut-in pressure, pumping water level, length of test, and remarks. The form is filled out with specific information about a particular water well.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Glen & Morton  Address: Broadview, Mont.
Driller: Glen & Morton  Address: Broadview, Mont.
Date of Notice of Appropriation of Groundwater: April 4, 1966
Date well started: Oct. 1961  Date Completed: Oct. 1961
Type of well: Hand dug  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 Borehole</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 ft. Dia.</td>
<td>14 gauge</td>
<td>0</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 4 feet.
Shut-in Pressure for Flowing Well: Not applicable.
Pumping Water Level: 2 feet at 5 gal. per minute.
Discharge in gal. per min. of flowing well: Not applicable.
How Tested: Dropped  Length of Test: 15 min.
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).
Gravel packing around casing throughout area of perforations.

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.

Driller's License Number

Driller's Signature

Glen & Morton

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.

41512
STATE OF MONTANA,
MORRIS COUNTY.

FILED THIS 13 DAY OF

Claude L. Luliker
COUNTY RECORDER
MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Location (Sec. T. R. Pt.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Location: Sec. 9 T. 5 R. 24 W. Sec. 36 E. 6

Type of well: (Dug, driven, or drilled) | Equipment used: (Churn, drill, rotary, or other)

Water use: Domestic □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ \n
Casing: O ft. to 16 ft. Type: Steel Size: 6 in.
Casing: ft. to ft. Type: Size:
Casing: ft. to ft. Type: Size:

Perforated or screened: Ft. to Ft. Ft. to Ft.
Type of screen or perforations: perforations in.

Static water level: feet.
Shut-in pressure for flowing well: lb./sq. in. on: (date)
Pumping water level: feet at: gal. per. min.
How tested: with drawdown and test.
Length of test: min.
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
**MONTANA BUREAU OF MINES AND GEOLOGY**
**Butte, Montana**

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Type of Wall</th>
<th>Equipment Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jen L. Morton</td>
<td>Broadview, T.</td>
<td>Hand dug</td>
<td>Hand bar &amp; shovel</td>
</tr>
<tr>
<td>Driller</td>
<td>Morton</td>
<td>Driven, or drilled</td>
<td>Churn, drill, rotary other</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Casing:</th>
<th>0 ft. to 16 ft.</th>
<th>Type</th>
<th>Casing:</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Steel</td>
<td></td>
<td>ft.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>16 ft. to Ft.</th>
<th>Type</th>
<th>Casing:</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Steel</td>
<td></td>
<td>ft.</td>
</tr>
</tbody>
</table>

Perforated or screened Ft. 12 to Ft. 16 Ft. to Ft. Type of screen or perforations 

Static water level, for non-flowing well: 10 feet. Shut-in pressure for flowing well: _lb./sq. in. on: | (date) |

Pumping water level 3 feet at 7 gal. per min. How tested: pumped with windmill and pump. Length of test 15 min. Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Gravel packing throughout water bearing area.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Glen J. Morton  Address: Broadview, Mont.
Driller: Everett Morton  Address: Broadview, Mont.

Date of Notice of Appropriation of Groundwater: April 4, 1966
Date well started: Mar. 1944  Date completed: June 30, 1966

Type of well: hand dug  Equipment Used: shovel

Water Use: Domestic  Municipal  Other  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 ft. 4 ft. dia.</td>
<td>14 gauge</td>
<td>0</td>
<td>16</td>
<td>1/2 12 16</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 10 feet.
Shut-in Pressure for Flowing Well: Not applicable.
Pumping Water Level: 5 ft. above ground at 7 gal. per minute.
Discharge in gal. per min. of flowing well: Not applicable
How Tested: Pumped  Length of Test: 15 min.

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)

Grovel packing around casing throughout perforated area.

Show exact depth of bottom.

Driller's License Number: [Signature]
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.
STATE OF MONTANA,
MORSEY SHELL COUNTY.

FILED THIS 13 DAY OF
A.D. 1966.

AT 9:50 O'CLOCK A.M.

CLAUDE L. JADWIN
COUNTY RECORDER

202
**Owner:** VICTOR STEPHENSON  
**Address:** LAUTER, MONT.

**Driller:** JOE KOBOL  
**Address:** ROUNDUP, MONT.

**Date Started:** 8-25-61  
**Date Completed:** 8-26-61

**Location:** Sec. 10  
**T. 5  
**R. 24  
**Sec. NE

**Type of well:** DRILLED  
**Equipment used:** CHURN

**Water use:** Stock

**Casing:** 0 ft. to 50 ft.  
**Type:** 20 GAUGE GALVA  
**Size:** 6"

**Perforated or Screened:** 27 ft. to 45 ft.  
**Type of screen or perforations:** FACTORY SCREEN + 4" HOLES

**Static water level, for non-flowing well:** 22 feet.

**Shut-in pressure, for flowing well:** 1 lb./sq. in. on:  
**Pumping water level:** 24 feet at 35+ gal. per min.

**How tested:** BAILEY

**Length of test:** 1 HR

**Remarks:** (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
<table>
<thead>
<tr>
<th>Depth, Feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 8</td>
<td>SURFACE</td>
</tr>
<tr>
<td>9 to 10</td>
<td>GRAVEL</td>
</tr>
<tr>
<td>10 to 25</td>
<td>SANDY CLAY</td>
</tr>
<tr>
<td>25 to 45</td>
<td>SANDSTONE</td>
</tr>
<tr>
<td>45 to 50</td>
<td>SHALE</td>
</tr>
</tbody>
</table>
**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.

<table>
<thead>
<tr>
<th>Top of Ground (Elev. above sea level)</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>16</td>
<td>sand - tan</td>
</tr>
<tr>
<td>15</td>
<td>30</td>
<td>shale-sandy tan</td>
</tr>
<tr>
<td>30</td>
<td>45</td>
<td>shale-grey</td>
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<tr>
<td>45</td>
<td>60</td>
<td>water - 28 gal</td>
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<td>60</td>
<td>84</td>
<td>shale-sandy</td>
</tr>
<tr>
<td>84</td>
<td>108</td>
<td>sand-grey</td>
</tr>
<tr>
<td>108</td>
<td>132</td>
<td>shale-sandy</td>
</tr>
<tr>
<td>132</td>
<td>156</td>
<td>sand</td>
</tr>
<tr>
<td>156</td>
<td>170</td>
<td>lime rock</td>
</tr>
<tr>
<td>170</td>
<td>190</td>
<td>sand-grey</td>
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<tr>
<td>190</td>
<td>214</td>
<td>shale</td>
</tr>
<tr>
<td>214</td>
<td>238</td>
<td>sand</td>
</tr>
<tr>
<td>238</td>
<td>262</td>
<td>lime rock</td>
</tr>
<tr>
<td>262</td>
<td>286</td>
<td>sand</td>
</tr>
</tbody>
</table>

**State of Montana**

**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**: Victor Stephenson

**Address**: Lardeau, Montana

**Date well started**: 11/6/71

**Date well completed**: 12/3/71

**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**: 200,000 gallons

**SITE OF DUG WELL**: 22° 65' 8" ON 13' 2"

**PERFORATIONS**: 1" x 2" x 10' x 40' x 50'"

**STATIC WATER LEVEL**: 31 ft

**PUMPING WATER LEVEL**: 50 ft

**Power**: Electric Pump, 1 HP

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

**DEEP EASING HUNG ON EASING**

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

Driller's Signature

Driller's Address: Box 898, Roundup, Montana 59072

License No. 95

352 ft. Show exact depth of bottom
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>771 St. John's Avenue</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>County of Montana</td>
<td></td>
<td>State of Montana</td>
</tr>
</tbody>
</table>

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
3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Approx 1912
4. The amount of groundwater claimed (in miner's inches or gallons per minute): 7500
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 date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
7. The depth of water table: Approx 14 ft
8. The estimated amount of groundwater withdrawn each year: 9600-12000 gallons
9. The log of formations encountered in the drilling of each well if available: Clay, shale, sandrock
10. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Date: 3-3-1965

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

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

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

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

1. RALPH L. & HELEN E. BROWN, of RURAL ROUTE #2, BROADVIEW,
(Name of Appropriator) (Address) (Town)
County of MUSSELHELL, 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
Stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: July 1, 1953

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 25 gallons

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Submergeable Pump - 6" casing - 1 inch pipe 2 horsepower motor

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: July 1953

8. The depth of water table: 175 depth of water - 208 depth of well

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" casing - 208 feet. Driller said at the time he thought that we were in an underground lake and that this same underground area feeds a well in the Section across from its location.

10. The estimated amount of groundwater withdrawn each year: 700,000 gallons

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

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 Known - by-owners

Signature of Owner: HELEN E. BROWN
Date: December 30, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
STATE OF MONTANA,
MISSOULA COUNTY.
FILED THIS 31st DAY OF
DECEMBER A.D. 63
AT 8.32 O'CLOCK A.M.
B. H. MATZKE
COUNTY RECORDER
FRANCES D. HUNTON
DEPUTY
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater... Prior to 1909.
Roberts Loan & Cattle Company... Address: Roundup, Montana

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. Spring—boxed up & piped into cribbed tank.

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. 5 gallons per minute, measured. Continuous use.

Signature of Owner... President
Roberts Loan & Cattle Company... Date... December 16, 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.
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Prior to 1900

Owner: Wm. Spidel  Address: Box 507, Roundup

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. Spring with dredged earth tank. Estimate approximate lengths of periods of use. 3 gallons per minute. Estimated by cattle consumption.

Signature of Owner: Spidel

Date: December 16, 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.
STATE OF MONTANA,
MUSSEL SHELL COUNTY.

FILED THIS 17 DAY OF

[Amount and Date]

A. H. Matlock
COUNTY RECORDER

[Signature]

[Amount and Date]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. RALPH E. & HELEN E. BROWN, of RURAL ROUTE #2, BROADVIEW
   County of MUSSELSHELL, 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 & Stock

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

4. The amount of groundwater claimed (in miner’s inches or gallons per minute) - 17 gallons

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal - 6" casing - 1" pipe

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

8. The depth of water table - 15' - Well cased 90 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater - All known information listed on this form.

10. The estimated amount of groundwater withdrawn each year - 50,000

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 - None known by owner.

Signature of Owner - Helen E. Brown
Date - December 30, 1963

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

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

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

FILED THIS 21st DAY OF
December, 1930, at 8:30 o'clock A.M.

H. H. MALLERY
COUNTY RECORDER

FRANCES E. DAWSON
DEPUTY
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1963

(Under Chapter 237, Montana Session Laws, 1961)

Owner: [Name]
Date of Notice of appropriation of groundwater: [Date]
Date well started: [Date]
Date completed: [Date]

Type of well:
- [ ] Drilled
- [ ] Bored
- [ ] Drilled (Churn drill, rotary or other)

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

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

<table>
<thead>
<tr>
<th>Strata</th>
<th>Character</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Show exact depth of bottom.

Static Water Level for non-flowing well: [27 feet]
Shut-in Pressure for Flowing Well: [100 PSI]
Pumping Water Level: [115 feet]

Discharge in gal. per min. of flowing well: [14 gal. per minute]

How Tested: [ ]
Length of Test: [ ]

Remarks: [ ]

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

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

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, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

John F. Moore, of Broadrick, Montana
County of Broadrick, 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: Stock Water

2. Date or approximate date of earliest beneficial use; and how continuous the use has been: January 1, 1962, continuous

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

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: 10 acres, Moose

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

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: January 1, 1962

7. The depth of water table: Natural Spring

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: Natural Spring

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

10. The log of formations encountered in the drilling of each well if available: No

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 court record: None

Signature of Owner: John F. Moore
Date: January 3, 1964
STATE OF MONTANA,
MUSSEL SHELL COUNTY, \\
FILED THIS 30 DAY OF \\
DEC. 1963 \\
AT 2:00 O'CLOCK \\
B. H. MATZKE \\
COUNTY RECORDER \\
Frances Haagenson \\
RECEP.1
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws 1961)

1. Name of Appropria~er: ... 
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...

Stock Water, House Water...

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

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

5. Sec. 4. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of ground water.

7. The depth of water table.

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.

9. The estimated amount of groundwater withdrawn each year.

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

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.

Signature of Owner: ...
Date: ...
STATE OF MONTANA, MUSSELHELL COUNTY.

FILED THIS 30 DAY OF

DEC. A.D. 1963

AT 1:30 O'CLOCK P.M.

B. H. MATZKE
COUNTY RECORDER

FRANCES L. DAVISON
DEPUTY
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Name of Appropria tors: "Langley Farmers, of Broadwater, Mont.
   Address: (Address)
   Town: (Town)

2. The beneficial use on which the claim is based.
   Stock water, house water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1915--Continues...

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 7

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. Home.

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 ground water. 1915. Aug. 22. Foundation 24 foot deep. 6 foot drawn with 3 foot wells.

8. The depth of water table. 18 foot.

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. 7.20.9.

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

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

Signature of Owner, Langley Farmers
Date 12/30/1964

1799
STATE OF MONTANA,
MUSSEL SHELL COUNTY.

FILED THIS ______ DAY OF
______ A.D. ______
AT ______ O'CLOCK ______ M.

B. H. MATZKE
COUNTY RECORDER

[Signature]
DEPUTY
# WATER WELL LOG

**Owner:** Styg Fermier  
**Address:** Broadway, Mont.

**Driller:** Leroy E. Johnson  
**Address:** 1145 Lynn Ave., Butte, Mont.

**Date Started:** April 17, 1960  
**Date Completed:** April 20, 1960

**Location:** Sec. 24, T. 5 N., R. 24 W., 1/4 sec. 5, 1/4 pt. 26

**Type of well:** Drilled  
**Equipment used:** Cable Tool

**Water use:** Stock □  
**Industrial** □  
**Municipal** □  
**Drainage** □  
**Irrigation** □  
**Other:**

**Casing:**
- 57 ft. to 48 ft.  
- 4 1/2 ft. to 5 1/2 ft.  
- 6 1/2 ft. to 7 ft.  
**Type:** Sheet metal  
**Size:** 6"  
**Surface casing**

**Perforated or Screened:**
- 24 ft. to 30 ft.  
**Type of screen or perforations:** Factory pref.

**Static Water level, for non-flowing well:** 75 ft. from surface  
**feet.**

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

**Pumping water level:**
- 20 feet at  
- 6 gal. per min.

**How tested:**  
**Bailey**

**Length of test:** 3 hrs.

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

* (over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft.</td>
<td>Top soil.</td>
</tr>
<tr>
<td>1 ft.</td>
<td></td>
</tr>
<tr>
<td>1 ft.</td>
<td>Brown sandy shale.</td>
</tr>
<tr>
<td>18 ft.</td>
<td>Dark shale.</td>
</tr>
<tr>
<td>22 ft.</td>
<td>Sand rock.</td>
</tr>
<tr>
<td>34 ft.</td>
<td>Dark sticky shale.</td>
</tr>
<tr>
<td>48 ft.</td>
<td></td>
</tr>
</tbody>
</table>
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Eagle Farms, of Broadway, Mont... (Name of Appropriate)
County of ... (Address) State of Montana (Town)

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

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

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

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

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

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

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

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 count record.

Signature of Owner: Eagle Farms
Date: 12/30/63

State of Montana
Administrator of groundwater Code
Office of State Engineer

RECEIVED
JAN 2 1964

STATE ENGINEER

5 N
County: MISSA...
STATE OF MONTANA,
MUSSELSHELL COUNTY,

FILED THIS 30 DAY OF
Dec. A.D. 1967
AT 1:54 O'CLOCK P.M.

B. H. MATZKE
COUNTY RECORDER

[Signature]
DECLARATION OF VESTED GROUNDWATER RIGHTS
(under Chapter 237, Montana Session Laws, 1963)

State of Montana
Administrator of groundwater Codes
Office of State Engineer

DECLARATION OF VESTED GROUNDWATER RIGHTS
JULY 2, 1964

STATE ENGINEER

1. Gayle Larson, of Broadview, Mont.
   (Name of Appropriator) (Address)
   County of Broadview, State of Montana,
   have appropriated groundwater according to the Montana laws in effect prior to January 1,
   1962, as follows:

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

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

   4. The amount of groundwater claimed (in miner’s inches or gallons
      per minute): 0

   Sec. 26. Sec. 5. R. 9
   If used for irrigation, give the acreage and description of the
   lands to which water has been applied and name of the owner
   thereof: None

   5. Indicate point of appropriation and place of use, if
      possible. Each small square represents 10 acres.
   Means: Pump, 1/2 HP Motor

   6. The date of commencement and completion of the construction of the well, wells, or other
      works for withdrawal of ground water: 1960

   7. The depth of water table: 20 feet

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

   9. The estimated amount of groundwater withdrawn each year: None

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

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

   Signature of Owner: Gayle Larson
   Date: 06/30/63

1960
STATE OF MONTANA
MUSSELSHELL COUNTY

FILED THIS 30 DAY OF
DEC. A.D. 1963
AT 2:00 C.O. CLOCK P.M.

B. H. MATZKE
COUNTY RECORDER

JAMES D. HENSON
DEPUTY
WATER WELL LOG

Owner: Raymond B. Corinth

Driller: L. J. Ferguson

Date Started: Aug 17, 1961
Date Completed: Aug 21, 1961

Location: Sec. 24, T. 5, R. 24, 1/4 sec. 8E, 8E

Type of well: (Truck) Equipment used: (Churn)

Water use: Domestic □ Municipal □ Stock □ Irrigation □
Industriai □ Drainage □ Other □

Casing: 1 ft. to 62 ft. Type Galv. Size 6 in.
Casing: ______ ft. to ______ ft. Type ______ Size ______
Casing: ______ ft. to ______ ft. Type ______ Size ______

Perforated or Screened: Ft. 10 to Ft. 42. Ft. 50 to Ft. 62

Type of screen or perforations: galv.

Static water level, for non-flowing well: 30 feet.

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

Pumping water level: 45 feet at 30 gal. per min.

How tested: boring

Length of test: 1 ft.

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 2</td>
<td>Salt</td>
</tr>
<tr>
<td>2 - 14</td>
<td>Sandstone</td>
</tr>
<tr>
<td>14 - 38</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>38 - 50</td>
<td>Shale</td>
</tr>
<tr>
<td>50 - 60</td>
<td>Sandstone for water H2O - 3000 ft. per min.</td>
</tr>
<tr>
<td>60 - 62</td>
<td>shale</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Ray Sandbeck
Address: Broadway, Mal

Driller: L. Zerguard
Address: Lewistown, Mont.

Date of Notice of appropriation of groundwater: 9-26-66

Date well started: 9-26-66

9-24-66 Date completed

Type of well: Dug

Equipment used: Churn drill

Water use: Domestic □ Municipal □ Stock □ Irrigation □

INDICATE ON THE DIAGRAM THE CHARACTER AND THICKNESS OF THE DIFFERENT STRATA MET WITH IN DRILLING, SUCH AS SOIL, CLAY, SHALE, GRAY, 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</th>
<th>To</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5' 0&quot;</td>
<td>1/2&quot;</td>
<td>0</td>
<td>103</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well:

Shut-in Pressure for Flowing well:

Pumping Water Level:

Discharge in gal. per minute:

How Tested:

Length of Test:

Remarks:

Show exact depth of bottom.

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

This form to be prepared by driller, and three copies to be filled 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

41, 450
STATE OF MONTANA,
MOSSELSHELL COUNTY.

FILED THIS 27TH DAY OF

Sext. 1966

AT 3:15 O'CLOCK P.M.

CLAUDE F. FLETCHER
COUNTY RECORDER

DEPUTY

174522
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Glen L. Horton  Address: Broadview, Mont.

Driller: Glen L. Horton  Address: Broadview, Mont.

Date of Notice of Appropriation of Groundwater: April 14, 1966

Date well started:  Jan. 26, 1966  Date Completed:  Jan. 14, 1966

Type of well: hand dug  Equipment Used: above

(dug, driven, bored or drilled)  (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. at 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>Depth (Feet)</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>4 ft. dia. 14 gauge</td>
<td>14</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>10</td>
<td>14</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 12 feet.

Shut-in Pressure for Flowing Well: not applicable

Pumping Water Level: 10 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well: not applicable

Hauled with:

How Tested: 5 gal. bucket. Length of Test: 5 min.

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): none.

Show exact depth of bottom.

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 287, Montana Session Laws, 1961)

Owner: Glen L. Morton  Address: Broadview, Mont.
Driller: Glen L. Morton  Address: Broadview, Mont.
Date of Notice of Appropriation of Groundwater: April 4, 1966
Date wel started: Oct. 1953  Date completed: Oct. 1953
Type of well: hand dug  Equipment Used: spud bar and shovel
(Wag, driven, bored or drilled)
Water Use: Domestic  □  Municipal  □  Other  □  Irrigation  □
Industrial  □  Domestic  □  Other  □  Irrigation  □

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, pebbles 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>Date of Notice Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date started</td>
</tr>
</tbody>
</table>

Type of Well: hand dug
Equipment Used: spud bar and shovel

Static Water Level for non-flowing Well: 10 feet.
Shut-in Pressure for Flowing Well: not applicable
Pumping Water Level: 5 feet at 10 gal. per minute.
Discharge in gal. per min. of flowing well: not applicable
Length of Test: 10 min.

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
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; quadruplicate for the Appropriator.
Form No. 18
8-60

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robert Horton</td>
<td>Broadview, MT</td>
<td>Everett Horton</td>
<td>Broadview, MT</td>
</tr>
</tbody>
</table>

Date Started: July 1932  Date Completed: July 1932

Location: Sec. 1 T. 5 N. R. 2 E  1/4 Sec.

Type of well: Dug (Dug, driven, or drilled)

Equipment used: manual hand auger

Water use: Domestic  Municipal  Stock  Irrigation

Industrial  Drainage  Other

Casing: 0 ft. to 16 ft. Type: steel  Size: 3 in.  4 ft.  5 in.

Casing: 16 ft. to 30 ft. Type: steel  Size:

Casing: 30 ft. to 40 ft. Type: steel  Size:

Perforated or screened: 0 ft. to 16 ft.  Type: steel  Size:

Type of screen or perforations: perforations in casing

Static water level, for non-flowing well: 10 feet.

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

Pumping water level: 6 feet at: 10 gal./per.min.

How tested: pumped with windmill and pump.

Length of test: 30 min.

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

Gravel packing around casing throughout water bearing area.


MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG  

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
<th>Location: Sec. 37, T. 79 N., R. 2 E.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan 1963</td>
<td>Sep 1963</td>
<td>Sec. 37, T. 79 N., R. 2 E.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
<th>Water use</th>
<th>Screen or perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>dug</td>
<td>rod bar &amp; steal</td>
<td>domestic</td>
<td>Stock Irrigation</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing</th>
<th>Type of steel</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft. to 16 ft.</td>
<td>steel</td>
<td>12 in.</td>
</tr>
<tr>
<td>16 ft. to 24 ft.</td>
<td>steel</td>
<td></td>
</tr>
<tr>
<td>24 ft. to 30 ft.</td>
<td>steel</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Static water level</th>
<th>Shutoff pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 feet</td>
<td>1 lb./sq. in.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pumping water level</th>
<th>How tested</th>
<th>Length of test</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 feet at 30 gal./per.min.</td>
<td></td>
<td>10 min.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remarks</th>
<th>Remarks on water use</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td>well packing around casing from 10 to 16 ft.</td>
</tr>
<tr>
<td>Type of well</td>
<td>Kind of equipment used (Dug, driven, or drilled) (Churn, drill, rotary other)</td>
</tr>
<tr>
<td>--------------</td>
<td>---------------------------------------------------------------</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic, Municipal, Stock Irrigation</td>
</tr>
<tr>
<td>Casing</td>
<td>From 0 ft. to 16 ft. Type: steel, Size: 6.27 in.</td>
</tr>
<tr>
<td>Casing</td>
<td>From ft. to ft. Type: Steel, Size:</td>
</tr>
<tr>
<td>Casing</td>
<td>From ft. to ft. Type: Steel, Size:</td>
</tr>
<tr>
<td>Perforated or screened</td>
<td>From 10 ft. to 16 ft.</td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td>As perforations in casing</td>
</tr>
<tr>
<td>Static water level, for non-flowing well</td>
<td>10 feet</td>
</tr>
<tr>
<td>Shut-in pressure for flowing well</td>
<td>lb./sq. in. on: (date)</td>
</tr>
<tr>
<td>Pumping water level</td>
<td>5 feet at 10 gal./per.min.</td>
</tr>
<tr>
<td>How tested</td>
<td>Connected with pump for rate, and time an hour.</td>
</tr>
<tr>
<td>Length of test</td>
<td>10 mins</td>
</tr>
<tr>
<td>Remarks</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
</tbody>
</table>

- Well making around center from 10 to 16 ft.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Glen L. Morton  Address: Broadview, Mont.

Driller: Glen L. Morton  Address: Broadview, Mont.

Date of Notice of Appropriation of Groundwater: April 4, 1966

Date well started: Jan. 1965  Date completed: Jan. 1965

Type of well: Hand dug  Equipment used: Shovel

Water Use: Domestic □  Municipal □  Other □  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 ft. dia.</td>
<td>14 gauge</td>
<td>0</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level: 10 feet

Shut-in Pressure for Flowing Well: not applicable

Pumping Water Level: 8 feet at 15 gal. per minute.

Discharge in flowing well: not applicable

How Tested: 5 gal. bucket  Length of Test: 5 min.

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.)

Grid: (Small square represents 10 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.
STATE OF MONTANA.
MORSELLE (COUNTY) [rd]
FILED THIS ___ DAY OF
APRIL ___ A.D. 1966
AT ___ O'CLOCK ___ M.

[Signature]
COUNTY RECORDER

174583
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Glen Norton  Address: Broadview, Mont.
Driller: Everett Norton  Address: Broadview, Mont.
Date of Notice of Appropriation of Groundwater: April 4, 1966
Date well started: July 1938  Date Completed: July 1938
Type of well: Hand aug  Equipment Used: Drilled

<table>
<thead>
<tr>
<th>Water Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
</tr>
<tr>
<td>Municipal</td>
</tr>
<tr>
<td>Other</td>
</tr>
<tr>
<td>Irrigation</td>
</tr>
<tr>
<td>Industrial</td>
</tr>
<tr>
<td>Drainage</td>
</tr>
</tbody>
</table>

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>Form</th>
<th>To (Foot)</th>
<th>PEFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 ft. 3/4 in.</td>
<td>3 1/2 ft. 6 in. gauge</td>
<td>0</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 10 feet
Shut-in Pressure for Flowing Well: not applicable
Pumping Water Level: 6 feet 10 gal. per minute
Discharge in gal. per min. of flowing well: not applicable
How Tested: pumped
Length of Test: 30 min.
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 Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
### Groundwater Index

**County:** Musselshell  
**Twp.:** 5N  
**Rge.:** 2SE

<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>1</td>
<td>Carlson, George</td>
<td>GW4</td>
<td>169411</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Davis, J.W.</td>
<td>GW4</td>
<td>169417</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Morgan, Dan</td>
<td>GW3</td>
<td>165999</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Carlson, George</td>
<td>GW4</td>
<td>169138</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>GW1</td>
<td>169140</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Rothwell, Archie Howell</td>
<td>GW4</td>
<td>169142</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Stephenson, Cathermilla</td>
<td>GW4</td>
<td>160449</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>GW4</td>
<td>160480</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>GW2</td>
<td>183506</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Shatto, J.W.</td>
<td>GW3</td>
<td>169418</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>GW3</td>
<td>169501</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>GW4</td>
<td>168613</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Shatto, J.W.</td>
<td>GW2</td>
<td>167410</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td></td>
<td>GW2</td>
<td>169500</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Jorgenson H.C.</td>
<td></td>
<td></td>
<td>Well lag</td>
</tr>
</tbody>
</table>
# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

## DUPLICATE

### STATE OF MONTANA

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Name of Appropriaee</th>
<th>Address</th>
<th>Town</th>
<th>County</th>
<th>State of</th>
<th>Have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2. The beneficial use on which the claim is based.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3. Date or approximate date of earliest beneficial use; and how continuous the use has been.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4. The amount of groundwater claimed (in miner's inches or gallons per minute).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8. The depth of water table.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10. The estimated amount of groundwater withdrawn each year.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>11. The log of formations encountered in the drilling of each well if available.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Signature of Owner</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>George A. Carlson</td>
<td>Aug. 29, 1963</td>
</tr>
</tbody>
</table>

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,
MUSSELSHELL COUNTY,

FILED THIS 13 DAY OF
Dec. A.D. 1963
AT 1:27 O'CLOCK P.M.

B. H. MATZKE
COUNTY RECORDER

Frances L. Dawson

FRANCES L. DAWSON
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Name of Appropriate: L. H. Treat
   Address: Main Street
   Town: Helena
   County of: Lewis
   State of: Montana

   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:
     Description: Home and Farm

   - Date or approximate date of earliest beneficial use and how continuous the use has been:
     Date: 1910
     Years of Use: Until 1961

   - The amount of groundwater claimed (in miner's inches or gallons per minute):
     Amount: 3 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:

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

   - The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
     Commenced: 1910
     Completed: 1916

   - The depth of water table:
     Depth: 15 ft

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

   - The estimated amount of groundwater withdrawn each year:
     Amount: 7,200 gal

   - The log of formations encountered in the drilling of each well if available:

   - 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: L. H. Treat
   Date: 12/27/63

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 QuadriPLICATE for the Appropriator.
STATE OF MONTANA
MUSSELSHELL COUNTY

FILED THIS 27 DAY OF
DECEMBER A.D. 1943
AT 1:20 O'CLOCK P.M.

B. H. MATZKE
COUNTY RECORDER

FRANCES J. NUNNEN
DEPUTY
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Date of Appropriation of Groundwater
Owner: Dan Morgan
Address: 1203 Lake Road
Contractor (if any)...
Address of Contractor...
Date Started... Date Completed...

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

Natural Spring

Quantity of water developed and used with explanation of meth-
od used to measure or estimate such amount. If use is intermit-
tent estimate approximate lengths of periods of use

Signature of Owner: Dan Morgan
Date: March 12, 1962

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

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

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

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

MUSSEL SHELL COUNTY

FILED THIS 21ST DAY OF
MARCH, A. D. 1962
AT 10:00 O'CLOCK A.M.

R. H. MAIZKE
COUNTY RECORDER

DEPUTY

165999