## STATE OF MONTANA
ADMNR STRATOR GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1952
(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
**Fred Lampl**

### Address
N.E.S.

### Date well started
MAR. 27

### Type of well
Gravel Drilled

### Equipment used
Cable Tools

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

*Describe*

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

### ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Shank (In.)</th>
<th>Size and Number of casing (In.)</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Kield Size (In.)</th>
<th>FROM (Feet)</th>
<th>TO (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 5/8</td>
<td>6 5/8</td>
<td>0</td>
<td>53</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Well Development

*Static water level:* 35 ft.
*Bailing water level:* 35 ft.
*Pumping water level:* 35 ft.
*Gallons per minute:* measured minutes after pumping began.
*Well developed by:* BAILEY
*Power:* Pump: 1 HP
*Remarks:* (Gravel packing, cementing, etc.)

### Indicate Location of Well and Place of Use, if Possible.
Each small square represents 40 acres.

### Driller's Information
**Driller's Signature:**

**Driller's Address:** 5820 N. MONT.

**City:** HELENA

**License No.:** E
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

   (Name of Appropriator)
   (Address)
   (Town)
   County of Lewis & Clark
   State of Montana

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

2. The beneficial use on which the claim is based
   House 1 1/2 BARD

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   1966

8. The depth of water table
   63

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 1/2" BORE

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 The estimated amount of groundwater withdrawn each year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

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

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

Signature of Owner

Date 12/30/63

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

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

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

I hereby certify that the within instrument was filed in my office on
this_. Day of_.
A.D. 19_. at . min. Bell

County Recorder
By: M. Troy
Deputy
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:** CB (Joe) Whitson  
**Address:** Box 507  
**Date well started:** April 4, 1971  
**Date well completed:** April 10, 1971  
**Type of well:** Drilled  
**Equipment used:** Churn  
**Water Use:** Domestic ✔  
**Use:** Irrigation  
**Static water level:** 16  
**Pumping water level:** 80  
**Power:** Pump  
**Remarks:** Gravel packing, cementing, packers, type of shutoff.
STATE OF MONTANA
COUNTY OF LEWIS & CLARK

I hereby certify that the within instrument was filed in my office on the 30th day of June, 19__
A.D. 19__ at __ o'clock, __ A.M., and recorded on page __ of Book __ of Deeds of Lewis and Clark County, State of Montana.

[Signature]

[Date]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962
(Under Chapter 237 Montana Easement 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: Steve Osborne
Address: East Helena
Montana

Date well started: May 8, 71
Type of well: Drilled

Equipment used: Churn

Date well completed: May 10, 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: 80,000

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

EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature: Clancy Montana
Driller's Address: 

LICENSE NO: 15

Show exact depth of bottom
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

State of Montana
Administrator of Groundwater Code
Office of State Engineer

Lavre Well No. 1
Owner: State of Montana Address: Helena, Mont.

Date of Notice of appropriation of groundwater:...

Date well started:...
Date completed:...

Type of well: Drilled
Equipment used: Caisson
(Churn drill, rotary or other)

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

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

Rocks, sand & boulders with streaks of clay

Rock, sand & boulders with streaks of clay

Hardpan & rock

Rock, sand & boulders with streaks of clay

<table>
<thead>
<tr>
<th>Rock, sand &amp; boulders with streaks of clay</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top of Ground (Elev. above sea level 3796.17)</td>
</tr>
<tr>
<td>Rocks, sand &amp; boulders</td>
</tr>
<tr>
<td>Rock, sand &amp; boulders with streaks of clay</td>
</tr>
<tr>
<td>Hardpan &amp; rock</td>
</tr>
<tr>
<td>Rock, sand &amp; boulders with streaks of clay</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From End</th>
<th>To End</th>
</tr>
</thead>
<tbody>
<tr>
<td>42 x 50 OD</td>
<td>50</td>
<td>90</td>
<td></td>
</tr>
</tbody>
</table>

| Steel shut-off socket | 90 | 130 |

Static Water Level for non-flowing well

Shut-in Pressure for flowing well

Pumping Water Level at 50 feet

Discharge in gal. per min. of flowing well

How Tested: Turbine Pump

Length of Test: 12 HR

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

Outer casing cemented in.

Double gravel wall wall with 28" Dia. Divider casing

(Continue on reverse side)

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

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, three copies to be retained by driller.

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

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELLS

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.

If not applicable, so state, otherwise the blank may be returned.

Owner: Don Didriksen
Address: 929 N. Jackson
Kalispell, Montana 59901

Date well started: 5/26/73
Well completed: 5/26/73

Type of well: Drilled
Equipment used: Churn Drill

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

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Hole</th>
<th>Size of Perforations</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 7/8&quot; od x .250</td>
<td>0'-54' cutting torch</td>
<td>49'-54'</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 48 ft.
Pumping water level: 48 ft.
Gallons per minute: 150

*Measured from ground level.

Power: Pump: HP
Remarks: (Gravel packing, cementing, packers, type of shut-off)

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

Driller's Signature: Bailey & O'Keefe Drilling Company
Driller's Address: Box 836, East Kalispell

Montana 59638 LICENSE NO. 348

Drilled at Mount 59" in Sec. 15, T. 10N., R. 3E.

Show exact depth of bottom

5/26/73
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

Owner:

Driller's Name: A.T. Hermanson

Address: 50 Canyon Ferry Road, Helena, Mont. 59601

Date well started: July 1917

Date well completed: Aug. 1917

Type of well: Drilled

Equipment used: Cable Tools

Water Use: Domestic 

*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: 30,000

Tubing Size: 6" 100' 6" 0'

Static water level: ___________ ft.

Pumping water level: ___________ ft.

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) ___________

RECORD OF PERFORMANCE

Indicate location of well and place of use, if possible.

Driller's Signature: A.T. Hermanson

Driller's Address: 50 Canyon Ferry Road, Helena, Mont. 59601

LICENSE NO. Show exact depth of bottom

5U 756
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)
This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner:

Address:

Helena, MT

Date well started

1898

Type of well

Hand dug

Date well completed

1898

Equipment used

(Churn drill, rotary or other)

Water Use:

Domestic

Municipal

Stock

Irrigation

Industrial

Drainage

Other

Garden/Lawn

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

ESTIMATED ANNUAL WITHDRAWAL

350,000 gal.

Top of Ground

(Elv. above sea level)

<table>
<thead>
<tr>
<th>From (Ft)</th>
<th>To (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PERFORATIONS

<table>
<thead>
<tr>
<th>Start</th>
<th>End</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level

33 ft.*

Pumping water level

70 ft.*

at 50 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.

54,755
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: Art Hermanson
Address: Helena Valley

Date well started: 18 May 1973
Completed: 30 May 1973

Type of well: Drilled

Equipment used: Churn

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

*Describe: 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: 2,000,000

<table>
<thead>
<tr>
<th>Size of Well</th>
<th>Size and Weight of Casing</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>12&quot;</td>
<td>5,216</td>
<td>0</td>
<td>95</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 26 ft.
Pumping water level: 85 ft.

Power: 30 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: LeRoy M. Magner
Driller's Address: Helena Valley

LICENSE NO. 38

Top of Ground (Ft. above sea level): 75

County: Lewis & Clark

Jul 3, 1973

RECEIVED
STATE OF MONTANA
COUNTY OF LEWIS & CLARK

I, hereby certify that the within instrument was filed in my office on the 27th day of January, 1994 at 4:45 p.m. and
is a true and correct copy of said instrument filed in the Records of Lewis & Clark County in the office of the Clerk for the
County of Lewis & Clark.

[Signature]

226394

[Record Number]
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL
Developed After January 1, 1962
(Under Chapter 237, Montana Session Laws, 1961, as amended)

This form to be prepared by contractor (if any), otherwise by the owner.
Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works
are located.
Please answer all questions. If not applicable, so state, otherwise the form may be returned.

For Administrator’s Use

File: 236379
Date: June 29, 1975
GW: 7-04

Owner: Gay F. & Joan M. Kumble
Address: 5495 N. Mont. A. Helena, MT

Contractor: (if any) Unknown
Address of Contractor: 

Date Started: Unknown Date Completed: Unknown

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

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

Gravity + Pump

3. Depth of water table

6 ft or less

4. Use of the water

Irrigation

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 5

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

10 acres

7. Estimate amount of water used each year

30 acres

8. Months of year spring flows

12 months

Signature of Owner

Joan M. Kumble

Date: 6-29-75

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE. Elevation of spring, if known or estimated

3865

5 W 14 S 10 T E 14 Sec. 14
STATE OF MONTANA
COUNTY OF LEWIS & CLARK

I hereby certify that the within instrument was filed in my office on Aug. 22, 1972, at 5:17 p.m., and

Records of Lewis County
County, State of Montana

[Signature]
[Date]

$2,00
**Notice of Completion of Groundwater Appropriation by Means of Well Developed After January 1, 1962**

(Under Chapter 237, Montana Session Laws, 1961)

**Owner:** Dana A. Picotte  
**Address:** Helena, Montana

**Driller:** Walter Riddick  
**Address:** Helena, Montana

Date of Notice of appropriation of groundwater: **April 4, 1968**

Date well started: **March 28, 66**  
Date completed: **April 2, 66**

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

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

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

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>0 to 25 ft, sand and gravel</th>
<th>25 to 37 ft, clay and gravel</th>
<th>37 to 46 ft, gravel water</th>
<th>coarse gravel 44 to 60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elev. above sea level: <strong>4,000 ft</strong>.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total depth 46 ft.**

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From</th>
<th>To</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>6 ft</strong> hike 100 ft</td>
<td>*</td>
<td>0</td>
<td>46 ft</td>
<td>None</td>
</tr>
</tbody>
</table>

**Static Water Level for non-flowing well:** 67 feet.

**Shut-in Pressure for flowing well:** 25 feet.

**Pumping Water Level:** 25 feet  
**at:** 15,000 gal. per minute.

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

**How Tested:**  
**Driller:**

**Length of Test:** 30 ft.

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

**Show exact depth of bottom.**

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

**Note:** If used for irrigation, industrial, drainage or other. Explain, state number of acres and location of 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, tissues copy to be retained by driller.

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

**Montana No. 49**

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

**File No.:**  
**County:** Lewis & Clark  
**Date:** May 16, 1968  
**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. John R. Boyen  
(Name of Appropriator)  
York St., Helena, Mont.  
(Address)  
Lewis & Clark  
(Town)  
Montana  
(State)

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

2. The beneficial use on which the claim is based:  
Irrigation and Live Stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:  
June 15, 1945,  
Used annually ever since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute):  
1,150 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:  
160 acres farm land on Hogan Ranch.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:  
Started digging March 28, 1945 and finished about April 15, 1945.

8. The depth of water table:  
Well is 50' deep and averages 30' of water when not pumping.  Pumps down to about 6'.

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 foot steel casing, 50 foot deep.

10. The estimated amount of groundwater withdrawn each year:  
1,618,680,000...gal.

11. The log of formations encountered in the drilling of each well if available:  
Hand 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:  
Refer to Soil Conservation records.

Signature of Owner:  
[Signature]

Date: 1/2/46

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
### WATER WELL LOG

**State Engineer**

**Montana Bureau of Mines and Geology**

**Butte, Montana**

---

**Owner:** [Name]

**Address:** [Address]

**Drilled By:** [Name]

**Address:** [Address]

**Date Started:** [Date]

**Date Completed:** [Date]

**Location:** Sec. [Section] T. [Township] R. [Range] 1/4 see [Survey]

---

**Type of well:** [Type]

**Equipment used:** [Type]

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

**Casing:**
- From ft to ft, Type: [Type]
- Size: [Size]

**Perforated or Seaweed:** From ft to ft,

**Type of screen or perforation:** [Type]

**Static Water level, for non-flowing well:** [Level]

**Shut-In pressure, for flowing well:** [Pressure] lb/sq. in.

**Pumping water level:** [Level] gal. per min

**How tested:** [Method]

**Length of test:** [Duration]

**Remarks:** [Remarks]

---

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 to 32</td>
<td>Loose gravel</td>
</tr>
<tr>
<td>32 to 44</td>
<td>Clay</td>
</tr>
<tr>
<td>44 to 52</td>
<td>Calcareous gravel</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, 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:** Barry Stahler

**Address:** Canyon Ferry Rte., Helena, Montana

**Date well started:** June 16, 1970

**Type of well drilled:**

- **Equipment used:**

  - **Wheel drill**, rotary or other

**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 (e.g. Lot, Block and Addition).

**Estimated Annual Withdrawal**

<table>
<thead>
<tr>
<th>Rate of Dug Hole</th>
<th>Size and Weight of Cutting</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Grade</th>
<th>Kind of Cutting</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>17 lb.</td>
<td>0</td>
<td>57</td>
<td>none</td>
<td>none</td>
<td>none</td>
<td>none</td>
</tr>
</tbody>
</table>

**Static water level:** 14 ft.

**Pumping water level:** 50 ft.

**Pumping rate:** 20 gallons per minute, measured 60 minutes after pumping began.

**Well depth:**

- **Well developed by:**

  - Pump

- **Power:** E.R.C.

**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.** 38

**County:** Lewis & Clark

**Date Well Started:** June 16, 1970

**Completed:** June 18, 1970

**Type:** Drilled

**Equipment Used:**

- Wheel drill, rotary or other

**Water Use:**

- Domestic
- Municipal
- Stock
- Irrigation
- Industrial
- Drainage
- Other
- Garden/Lawn

**Estimated Annual Withdrawal**

**Static water level:** 14 ft.

**Pumping water level:** 50 ft.

**Pumping rate:** 20 gallons per minute, measured 60 minutes after pumping began.

**Well depth:**

- **Well developed by:**

  - Pump

- **Power:** E.R.C.

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

**Indicate Location of Well and Place of Use, If Possible. Each Small Square Represents 40 Acres**

**Number of Acres:**

- **Number of Acres:**

**Remarks:**

- Show exact depth of bottom

**License No.** 38
STATE OF MONTANA
COUNTY OF LEWIS & CLARK

I, hereby certify that the within instrument was filed in my office on the day of
___.TO. at ___ o'clock A.M.,

records of Lewis & Clark
County, State of Montana

County Recorder

[Signature]

[Date]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

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

Owner: Paul L. Stay
Address: 230 Wallace
Helena, Montana

Date well started: Apr. 26, 1971
Completed: Nov. 22, 1971

Type of well: Drilled

Equipment used: Churn

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).

当下个

ESTIMATED ANNUAL WITHDRAWAL: 200,000

PERFURATIONS

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>Start of Casing</th>
<th>End of Casing</th>
<th>Depth from Ground Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>171#</td>
<td>0</td>
<td>77</td>
<td>76×125</td>
</tr>
<tr>
<td></td>
<td></td>
<td>52</td>
<td>54</td>
<td>56</td>
</tr>
</tbody>
</table>

Static water level: 16 ft.
Pumping water level: 60 ft.
at 60 gpm, measured 120 minutes after pumping began.

*Measured from ground level.

Well developed by Bellsack for 12 hours.

Power: 2 HP

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

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

Driller's Signature: W. L. Stay
Driller's Address: Clayco, Montana

LICENSE NO. 38

Show exact depth of bottom

48547
STATE OF MONTANA
COUNTY OF LEWIS & CLARK
Hereby certify that the within instrument was filed in my office on
28th day of April, A.D. 19__

[Signature]
Notary Public
County of Lewis & Clark
State of Montana

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

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

<table>
<thead>
<tr>
<th>Name of Approprioror</th>
<th>Address</th>
<th>County of Appropriation</th>
<th>State of Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>James Bompard</td>
<td>C. F. Hitchle, Butte</td>
<td>Beaverhead</td>
<td>Montana</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>N</th>
<th>E</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>22</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>21</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. The beneficial use on which the claim is based: Livestock, Fountain and Irrigation.

3. Date or approximate date of earliest beneficial use and how continuous the use has been: July 1909, continuous.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 100 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: 100 acres, irrigated land.

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

<table>
<thead>
<tr>
<th>1st</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: July 1909.

8. The depth of water table: 18 ft, 3½ ft, 17 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: 12 in. dia., 15 ft deep. Drawn by: John Smith.

10. The estimated amount of groundwater withdrawn each year: 12,900,000 gal.

11. The log of formations encountered in drilling each well if available: Clean, 6 ft, 3 ft, 2 ft, 1 ft, 0 ft.

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

Signature of Owner: James Bompard  
Date: May 20, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
STATE OF MONTANA
COUNTY OF LEWIS & CLARK

I hereby certify that the within instrument was filed in my office on
this 13 day of November, 1995.

[Signature]

Recorded at _____ o'clock, M.
in the Records of Lewis & Clark
County of Montana.

[Signature]

County Recorder
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. R. E. Mahood
   of Helena
   Route 1
   Montana

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
   Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
   August 1945
   Other wells 1965 to 1970

4. The amount of groundwater claimed (in miner’s inches or gallons per minute).
   Approximately 100

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
   Approximately 100 acres
   Sec. 15 T. 120 N. R. 63 W.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
   A 10 hp water pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
   March 1945
   June 1945

8. The depth of water table
   70 ft. wide
   70 ft. deep

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.
    Approximately 125 inches for several days

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

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

Signature of Owner

Date

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.
STATE OF MONTANA
COUNTY OF LEWIS & CLARK

I hereby certify that the within instrument was filed in my office on the 31st day of December, 1963, and duly recorded.

[Signature]

Reception at Lewis & Clark County
State of Montana

[Signature]

County Recorder

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

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

STATE ENGINEER

1. L. K. Lichtwardt
   (Name of Appropriator)
   of
   Route 1
   Helena
   (Address)
   (Town)
   County of Lewis and Clark
   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: underground and irrigation

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): underground

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:
   Approximately 200 acres
   In and about

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

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

8. The depth of water table:

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

10. The estimated amount of groundwater withdrawn each year:

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

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

Signature of Owner:

Date: 12/10/63

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriate..
STATE OF MONTANA
COUNTY OF LEVIT & CLARK

I hereby certify that the within is
 strengthens and filed in the office on
 this 151 482 day of Dec,

APR 16 63

The Clerk of Lemon & Clark
County, State of Montana

SIGNED:

[Signature]

[Signature]

[Signature]

[Signature]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962 (Under Chapter 237 Montana Session Laws, 1961, as amended)

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

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

Owner 
Address 
County, Montana 
Date well started 
complished 
Type of well 
Equipment used 
Water Use: 

<table>
<thead>
<tr>
<th>USE:</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
<th>Industrial</th>
<th>Drainage</th>
<th>Other</th>
<th>Garden/Lawn</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Describe ____________________________

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Well</th>
<th>Type of Cutting</th>
<th>Feet</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 In.</td>
<td>17 Lbs.</td>
<td>0</td>
<td>110</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rod Num</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>107</td>
<td></td>
<td></td>
</tr>
<tr>
<td>108</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level: Flowing Well: ______
Pumping water level: ______ ft.

at ________ gallons per minute, measured _______ minutes after pumping began.

*Measured from ground level.

Well developed by _______ for ______ hours.

Pumping Power: _______ 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 
Address 
LICENSE NO. 150 

------ Show exact depth of bottom
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Wilford R. Glasscock, of P.O. Box 138
   (Name of Appropriator) (Address)
   County of Lewis and Clark State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

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

   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:

   1 acre farm and garden

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

   Pump with 10 hp motor

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

   8. The depth of water table: 32 inches.

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

   Groundwater by pump from 30 ft. deep.

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

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

Signature of Owner: Wilford R. Glasscock
Date: Dec 31, 1963

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

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

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

I hereby certify that the within instrument was filed in my office on this 8-day of April, 1957, at 30 minutes past 4 o'clock P.M., at the county courts of Lewis & Clark County, State of Montana.

\[Signature\]

County Recorder

\[Signature\]

Deputy

151899
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

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

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

Owner: [Name]
Address: [Address]
File No.: [File No.]

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

Type of well: [Type]
Equipment used: [Equipment]
Water Use: [Use]

Describe: [Describe]

Type of well: [Type of well]
Equipment used: [Equipment used]
Water Use: [Water Use]

Describe: [Describe]

Owner: [Name]
Address: [Address]

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

Type of well: [Type of well]
Equipment used: [Equipment used]
Water Use: [Water Use]

Describe: [Describe]

Owner: [Name]
Address: [Address]

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

Type of well: [Type of well]
Equipment used: [Equipment used]
Water Use: [Water Use]

Describe: [Describe]

Owner: [Name]
Address: [Address]

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

Type of well: [Type of well]
Equipment used: [Equipment used]
Water Use: [Water Use]

Describe: [Describe]

Owner: [Name]
Address: [Address]

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

Type of well: [Type of well]
Equipment used: [Equipment used]
Water Use: [Water Use]

Describe: [Describe]

Owner: [Name]
Address: [Address]

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

Type of well: [Type of well]
Equipment used: [Equipment used]
Water Use: [Water Use]

Describe: [Describe]
STATE OF MONTANA
COUNTY OF LEWIS & CLARK

I hereby certify that the within instrument was filed in my office on
the 27th day of June,
A.D. 18-123, at 10 o'clock A.M.
Records of Lewis & Clark County, State of Montana.

County Recorder

G.W. Bricker

236543
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

 Applicant: EVELYN CRAWFORD
 Address: 107 LAFAYETTE
 Town: HELENA
 County of: LEHIS Y. BANN
 State of: MONT.

We, the undersigned, 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 + GARDEN (Lawn)

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

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

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.
   14 F.T.

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.
   CASING - 60 FT. DEEP

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

11. The log of formations encountered in the drilling of each well if available.
    SAND - GRavel - CLAY - FORMATION

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

Signature of Owner: EVELYN CRAWFORD
Date: December 31, 1963

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

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

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

I hereby certify that the within instrument was filed in my office on the 2 day of AD, 1966 at 10:16 AM, past 10 o'clock A.M.

County Clerk of Lewis & Clark County, State of Montana

[Signature]

Deputy

159754
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1963
(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. If not applicable, so state, otherwise the form may be returned.

Owner: Bill Frederick
Address: 615 Dean Ave East
Helena, Montana
Date well started: April 21, 1972
Date well completed: April 23, 1972

Type of well: Driven
Equipment used: Churn

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

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

Use: Domestic □ Irrigation □ Industrial □ Drainage □ Other □

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

Driller's Address: 620 C Dean Ave, West
Helena, Montana 59601

Driller's Signature: [Signature]

LICENSE NO. 225

Top of Ground (In feet above sea level)

- 0.0 ft. Brown soil
- 10.0 ft. Top gravelly silt clay
- 25.0 ft. Top gravelly silt clay
- 45.0 ft. Brown gravelly silt clay
- 61.0 ft. Brown gravelly silt clay
- 76.0 ft. Ten gravelly silt clay
- 90.0 ft. Ten gravelly silt clay
- 102.0 ft. Ten gravelly silt clay
- 107.0 ft. Ten gravelly silt clay
- 112.0 ft. Ten gravelly silt clay
- 129.0 ft. Ten gravelly silt clay
- 134.0 ft. Top gravelly silt clay
- 142.0 ft. Top gravelly silt clay
- 150.0 ft. Top gravelly silt clay
- 157.0 ft. Top gravelly silt clay
- 160.0 ft. Top gravelly silt clay
- 162.0 ft. Top gravelly silt clay
- 163.0 ft. Top gravelly silt clay

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

Show exact depth of bottom

[Signature]

5/032
WATER WELL LOG

Owner: James L. Lamon
Address: York Rd., Helena

Driller: Walter Riddock
Address: Helena, Montana

Date Started: 4-23-51
Date Completed: 5-1-51

Location: Sec. 16, T10 N, R3 W, 1/4 sec. SE1/4, SW1/4

Type of well: Drilled
Equipment used: Churn Drill

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

Industrial [ ] Drainage [ ] Other: [ ]

Casing: 60 ft. to 60 ft. Type: Well Casing Size: 6 in
Casing: [ ] ft. to [ ] ft. Type: [ ] Size: [ ]
Casing: [ ] ft. to [ ] ft. Type: [ ] Size: [ ]

Perforated or Screened: Fl. None [ ] to Ft. [ ] to Ft. [ ]

Type of screen or perforations: Foot valve with strainer

Static Water level, for non-flowing well: 50 ft
Shut-in pressure, for flowing well: [ ] lb./sq. in. on: [ ] (Date)

Pumping water level: 45 feet at 25 gal. per min.

How tested: Bailer
Length of test: 5 Hours

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

This water is produced from the bottom of the well from a course gravel.
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 55</td>
<td>Clay mixed with gravel</td>
</tr>
<tr>
<td>55 - 60</td>
<td>Water gravel loose</td>
</tr>
</tbody>
</table>
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **R. E. Lathrop**
   - (Name of Appropriator)
   - (Address)
   - (Town)  
   - County of: Lewis and Clark
   - State of: Montana

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

1. **Route 1**
2. **Helena**

### Water Use Information

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

3. Date or approximate date of earliest beneficial use: 
   - **April 15th and following years**
   - **Other well at least 10 years**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **150 miner's inches**

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: 
   - **Ponca Turbine pump and other smaller pumps**

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

   - **Other smaller pumps**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **March 15th completed in April 15th**

8. The depth of water table: **Approximately 30 feet**

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 
   - **15 inch casing, 60 feet depth**
   - **6 inch turbine pump**

10. The estimated amount of groundwater withdrawn each year: **Second foot = 30 to 60 days** per year

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

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

   - **Signature of Owner**
   - **Date:** 12-13-63

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
STATE OF MONTANA
COUNTY OF LEWIS & CLARK

I hereby certify that the within instrument was filed in the office on the date shown below:

APR 30, 1981

Attorney of Lewis & Clark County

(Handwritten Signature)

Notary Public

(Handwritten Signature)

2:00
NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)
This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner: Dean MacK
Address: 3155 Manbler Rd, Helena, MT 59601
Date well started: June 8, 1970
Date well completed: June 8, 1970
Type of well: Drilled
Equipment used: Chana drill
Water Use: Domestic ☑ Municipal ☑ Stock ☑ Irrigation ☑ Industrial ☑ Drainage ☑ Other ☑ Garden/Lawn ☑

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Depth of</th>
<th>Size of</th>
<th>Rate and Weight</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top of Ground</td>
<td>(Sft. above sea level)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0 ft</td>
<td>gravel and clay</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12 ft</td>
<td>clay</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21 ft</td>
<td>sand</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>28 ft</td>
<td>clay and gravel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30 ft</td>
<td>sand</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>32 ft</td>
<td>gravel</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 1/2 ft. above grade
Pumping water level: 1/2 ft. above grade at 15 gallons per minute; measured 60 minutes after pumping began.

*Measured from ground level

Well developed by: Backhoe for 6 hours.
Power: Pump
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: Wesley Brand
Driller's Address: Livingston, MT
LICENSE NO.: 56

Show exact depth of bottom: 3.3

54012
STATE OF MONTANA
COUNTY OF LEWIS & CLARK

I hereby certify that the petition in
strawman was filed in my office of


A.D. 18

Min. pm

Records of Lewis & Clark
County, State of Montana.

[Signature]

Clerk

3:00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner

Mr. J. Mack

Address

3175 Montana Ave.
Helena, MT

Date well started

May 13, 1971

Type of well

Drilled

Equipment used

Churn

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

100,000

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

Driller's Signature

Clancy Montana

Driller's Address

LICENSE NO. 38

Top of Ground

<table>
<thead>
<tr>
<th>Depth (Feet)</th>
<th>Top (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.2</td>
<td>Clay/Ground</td>
</tr>
<tr>
<td>1.18</td>
<td>Blacktop</td>
</tr>
<tr>
<td>18.23</td>
<td>Clay</td>
</tr>
<tr>
<td>23.27</td>
<td>Sand</td>
</tr>
<tr>
<td>27.29</td>
<td>Gravel</td>
</tr>
</tbody>
</table>

Show exact depth of bottom 20
STATE OF MONTANA
COUNTY OF LEWIS & CLARK

I hereby certify that the within instrument was filed in my office on the
22 day of March, 1974, at 8:30 A.M.

Recorded in the
Records of Lewis & Clark
County, State of Montana

[Signature]
[Name]
Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962

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

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

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

Owner: J. H. MACK
Address: 3155 MEEGHER RD
Helena, Montana

Date well started: MAY 10, 1947
Completed: MAY 17, 1947

Type of well: Drilled by Hand
Equipment used: Auger

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

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Initial Hole</th>
<th>Size and Shape of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>7'</td>
<td>25'</td>
<td>NONE</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 9'
Pumping water level: 33'
15 gallons per minute: measured 25 minutes after pumping began.
*Measured from ground level. Well developed by Pump for 56 hours.

Power Electric Pump: 3 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: J. H. MACK (OWNER)
Driller's Address: 3155 MEAGHER RD
Helena, Mont. LICENSE NO.

Show exact depth of bottom

5/8/19
STATE OF MONTANA
COUNTY OF LEWIS & CLARK

I hereby certify that the above instrument was filed in my office as
no. 236390 on the 16th day of April, 1972
A.D. 1972 at 1:45 p.m., local time.

Records of Lewis & Clark
County, State of Montana

[Signature]

Decree

120
## W. Terry Well Log

**Owner:** Cel什么是王(Neffick)  **Address:** 17 South Dakota Helena, Montana

**Driller:** Walter Pickwick  **Address:** Helena, Montana

**Date Started:** 8-23-59  **Date Completed:** 8-27-59

**Location:** Sec. 16 T. 11 N. R. 3 W. 1/4 sec. SE 1/2 SE 1/4

### Type of well
- **Drilled**

### Equipment used
- **Churn Drill**

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

### Casing
- 60 ft. to 60 ft.

### 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. 20

### How tested:
- Berlenn

### Length of test:

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

<table>
<thead>
<tr>
<th>Casing</th>
<th>feet to feet</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td></td>
<td>IRON</td>
<td>6 ''</td>
</tr>
</tbody>
</table>

(over)
<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>20</td>
<td>Clay &amp; gravel</td>
</tr>
<tr>
<td>20</td>
<td>26</td>
<td>Black, soft &amp; clay</td>
</tr>
<tr>
<td>26</td>
<td>47</td>
<td>Clay &amp; gravel, small flow of water</td>
</tr>
<tr>
<td>47</td>
<td>55</td>
<td>Clay &amp; sand</td>
</tr>
<tr>
<td>55</td>
<td>60</td>
<td>Water, gravel &amp; sand course</td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

ROBERT D. PAINTER
(Name of Appropriator)

RT 1
(Address)

HELENA
(Town)

County of LEWIS & CLARK

State of MONTANA

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

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

- HOUSEHOLD
- GARDEN
- LANDSCAPE
- PASTURE

2. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1963

3. The amount of groundwater claimed (in miner's inches or gallons per minute): 30 gpm

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:

- SCHOOL DISTRICT (Name and address) in 20 acres

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

- Wells on LOT 6, 10

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1963

7. The depth of water table: 85 feet

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

9. 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:

10. The estimated amount of groundwater withdrawn each year:

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

12. Signature of Owner: ROBERT D. PAINTER

Date: 6-6-63

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
COUNTY OF LEWIS & CLARK

I hereby certify that the within instrument was filed in my office on the 1st day of June, 1942, at 5:30 A.M. and is the true and correct copy of the original document registered in the Office of the County Clerk of Lewis and Clark County, State of Montana.

[Signature]
County Recorder

[Stamp]