Lot 11, Blk. 6, Rhilbrook Add to Hobson

Howard and Mary E. Knight

121382

State of Montana
County of Judith Basin

Filed for record this 13th
day of August A.D. 1963 at 10:00
o'clock A.M.

Delight Leslie, Clk. & Rs

Fee $2.00 pd.
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. Jamie R. Stevenson, of Hobson (Name of Appropriator)
   (Address) (Town)
   County of Judith Basin, State of Montana (County and 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: Stock water, house water, irrigation

3. Date or approximate date of earliest beneficial use: 
   Continuous use since 1900

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 20 miners inches per minute
   from natural spring

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:
   Irrigated approximately 20 acres of land in the N.E. 1/4 of the S.E. 1/4 of the N.W. 1/4 of Section 17, Top 36, Range 17, owned by Jamie R. Stevenson

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

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   Water withdrawn by natural means

8. The depth of water table: Water comes to surface as a natural spring

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:
   Not applicable

10. The estimated amount of groundwater withdrawn each year: 20 miners inches per minute

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

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

   Signature of Owner: Jamie R. Stevenson
   Date: 30-1-1963

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.
File No. 867-461
Janie Stevenson
May 5/16 Sec. 8-14-15
Filed this 30th day of December
1965 at 12 2105 P.M.
Delight Leslie by Deputy
State of Montana
County of Judith Basin
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., P., and Helen Matzinger of Hobson
   (Name of Appropriator) (Address) (Town)
   County of Judith Basin State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, as follows:

   2. The beneficial use on which the claim is based
      Wall No. 1 house use
      Wall No. 2 stock

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
      Well No. 1 1953
      Well No. 2 1956

   4. The amount of groundwater claimed (in miner's inches or gallons per minute)
      Wall No. 1 10 gal. per min
      Wall No. 2 12 gal. per min

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

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
      Wall No. 1 electric pump
      Wall No. 2 flowing well

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
      Well No. 1 1952
      Well No. 2 1956

   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
      Wall No. 1 120 ft deep with 7" casing
      Wall No. 2 1335 ft deep with 2" casing

   10. The estimated amount of groundwater withdrawn each year
       Not known

   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: Helen E. Matzinger
   Date: February 14, 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.
### Wall No. 1

<table>
<thead>
<tr>
<th>Depth Range</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 10</td>
<td>Surface gravel &amp; rock</td>
</tr>
<tr>
<td>10</td>
<td>Artisan flow at about 111'</td>
</tr>
<tr>
<td>7.5</td>
<td>O D casing set at 108', cemented with 10 sacks cement, top of artesian flow at 108'</td>
</tr>
</tbody>
</table>

This water appears to be coming out of a gravel formation.

### Wall No. 2

<table>
<thead>
<tr>
<th>Depth Range</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 21</td>
<td>Overburden</td>
</tr>
<tr>
<td>21 - 36</td>
<td>Sandstone</td>
</tr>
<tr>
<td>36 - 20</td>
<td>Shale</td>
</tr>
<tr>
<td>20 - 30</td>
<td>Sandstone</td>
</tr>
<tr>
<td>30 - 135</td>
<td>Shale</td>
</tr>
<tr>
<td>135 - 276</td>
<td>Blue Shale</td>
</tr>
<tr>
<td>276 - 278</td>
<td>Sandstone</td>
</tr>
<tr>
<td>278 - 305</td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>305 - 312</td>
<td>Sandstone</td>
</tr>
<tr>
<td>312 - 325</td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>325 - 355</td>
<td>Bentonite</td>
</tr>
<tr>
<td>355 - 365</td>
<td>Hard Sandstone</td>
</tr>
<tr>
<td>365 - 375</td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>375 - 378</td>
<td>Hard Sandstone</td>
</tr>
<tr>
<td>378 - 295</td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>295 - 260</td>
<td>Soft Sandstone</td>
</tr>
<tr>
<td>260 - 465</td>
<td>Sandy Shale (little water running over)</td>
</tr>
<tr>
<td>465 - 73</td>
<td>Hard Sandstone</td>
</tr>
<tr>
<td>73 - 507</td>
<td>Hard Sandy Shale</td>
</tr>
<tr>
<td>507 - 512</td>
<td>Hard Sandstone</td>
</tr>
<tr>
<td>512 - 522</td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>522 - 560</td>
<td>Shale</td>
</tr>
<tr>
<td>560 - 590</td>
<td>Hard Sandstone</td>
</tr>
<tr>
<td>590 - 630</td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>630 - 650</td>
<td>Blue Shale</td>
</tr>
<tr>
<td>650 - 690</td>
<td>Shale</td>
</tr>
<tr>
<td>690 - 795</td>
<td>Sandstone</td>
</tr>
<tr>
<td>795 - 750</td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>750 - 773</td>
<td>Sandstone</td>
</tr>
<tr>
<td>773 - 812</td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>812 - 825</td>
<td>Sandstone</td>
</tr>
<tr>
<td>825 - 830</td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>830 - 857</td>
<td>Sandstone</td>
</tr>
<tr>
<td>857 - 859</td>
<td>Red Shale (1 qt. in 8 sec. running over)</td>
</tr>
<tr>
<td>859 - 920</td>
<td>Red Shale</td>
</tr>
<tr>
<td>920 - 926</td>
<td>Sandstone</td>
</tr>
<tr>
<td>926 - 965</td>
<td>Grey Shale</td>
</tr>
<tr>
<td>965 - 985</td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>985 - 1025</td>
<td>Grey Shale</td>
</tr>
<tr>
<td>1025 - 1195</td>
<td>Grey shale and sandstone</td>
</tr>
<tr>
<td>1195 - 1200</td>
<td>Red Shale</td>
</tr>
<tr>
<td>1200 - 1205</td>
<td>Red Sandy Shale</td>
</tr>
</tbody>
</table>
### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Jamie R. Stevenson of Hobson, Montana
   County of Judith Basin State of Montana

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

<table>
<thead>
<tr>
<th>N</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>20</td>
</tr>
</tbody>
</table>

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

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: **October 9, 1957**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **35 gallons per minute**

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **Commenced 9/15/61 - Completed 10/15/61**

8. The depth of water table: **120 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: **artesian well with 2" iron pipe steel casing - total depth 1300 feet**

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

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

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: Jamie R. Stevenson

Date: **Dec 30 - 1963**

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Apprinner.
File No. 462

Jamie E. Stevenson

NE 1/4 NW 1/4 SW 1/4 Sec. 28-14-15

State of Montana

County of Judith Basin

Filed this 30th day of

December A. D. 1963 at

2:10 P. M.

Delight Leslie By

Deputy
May 11, 1971

Dear Sir: Enclosed you will find a copy of a Release Agreement for the utilization of a fresh water well.

Operator: Malone et al
Lease Name: Hoven
Well No.: 1, WC NE SW, Section 30, Township 14N, Range 15E
Judith Basin County

Yours very truly,

[Signature]
Norman J. Beaudry
Executive Secretary

NIG/ml
Encl:
cc: Mr. W. Vond
Bureau of Mines and Geology
Butte, Montana 59701

APPROVED BY:

Oil and Gas Conservation Commission
Petroleum Engineer, Geologist, or Executive Secretary

Dated: May 11, 1971
OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA

LEASE AGREEMENT

KNOW ALL MEN BY THESE PRESENTS, that I, Janet Stevenson

of the County of Judith Basin in

the State of Montana, am the owner of the hereinafter described land upon which

a well for oil or gas was drilled, to wit:

Operator Malone ET AL

Lease Name Hoven

Well No. 1 Sec. 30, Twp. 41N., Rge. 15S.

The well is located 1980 feet S of the South

line and 1877 feet E of the West line.

That, in accordance with Regulations 233.6, Order No. 1-1, November 30,

1953, I do hereby notify the Oil and Gas Conservation Commission of the State

of Montana of my desire to utilize said well as a fresh water well; and, that

if such utilization is approved, I do hereby release and discharge the operator

hereinabove named from any further work or responsibility in relation to the

plugging of said well.

Water Use: Domestic ______ Municipal ______ Stock ______ Other ______

Industrial ______ Drainage ______ Irrigation ______

Producing Depth 2000-2013 Producing Formation AMBER

Yield of well 15 gal per minute Annual Withdrawal ______

WITNESS my hand and seal this 15th day of DEC, 1976.

Address Landowner

IN THE PRESENCE OF:

Address

APPROVED BY:

Oil and Gas Conservation Commission

Petroleum Engineer, Geologist, or Executive Secretary

Dated: APR 1976, 19
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>John Doe</td>
<td>123</td>
<td>456</td>
<td>Sample</td>
</tr>
<tr>
<td>13</td>
<td>Jane Smith</td>
<td>789</td>
<td>012</td>
<td>Details</td>
</tr>
<tr>
<td>14</td>
<td>Robert Brown</td>
<td>321</td>
<td>987</td>
<td>Notes</td>
</tr>
</tbody>
</table>

Groundwater Index

County: Tulip Parish

Town: 13N

Range: 11E
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. HUGHES LIVESTOCK CO., INC. of Stanford,
   (Name of Appropriator) (Address) (Town)

County of Judith Basin State of Montana

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

2. The beneficial use on which the claim is based: Household and watering livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: July 11, 1915, with continuous use.

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

5. If used for irrigation, give the acreage and description of the land to which water has been applied and name of the owner thereof: NW 1/4, Sec. 2, T.13N R.11E, owned by claimant.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Hand pump on deep pipe in SE 1/4 NW 1/4 of Section 2, Township 13 North, Range 11 East.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Commenced June 7, 1915; completed July 11, 1915.

8. The depth of water table: 100 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Water drawn by hand pump on 4 and 6 inch pipe.

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

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

HUGHES LIVESTOCK CO., INC.
Signature of Owner: President
Date: December 18, 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.
File No. 374
Hughes Livestock Co., Inc.
NWS Sec. 2-13-11

State of Montana
County of Judith Basin

Filed this 26th day of
December A. D. 1963, at
2:05 P.M.

[Signature]
County Clerk.

Fee $2.00 Paid
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner: Mont Fish & Game  Address: Judith Bone Range
Driller: Montana Drilling Address: Havre, MT

Date well started: Oct. 30, 1970  Date completed: Nov. 7, 1970

Type of well: [ ] Dug, [ ] Driven, [ ] Bored or [ ] 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 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>Size of Drilled Hole</th>
<th>Size and Weight of Coating</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6½”</td>
<td>0.625”</td>
<td>1”</td>
<td>145”</td>
<td>90’</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well
75 feet.

Shut-in Pressure for Flowing Well
88 feet.

Pumping Water Level
Approx. 33 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: [ ] Driller’s pump

Length of Test: 1 hour

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

Installed at 65’ and 12’

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).

Signed:
Driller’s License Number
Driller’s Signature

1441

(Continue on reverse side)

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.
WATER WELL
SW\% Sec. 13, Twp. 13N, Rge. 11E
Montana Fish & Game

State of Montana
County of Judith Basin
Filed for record this 24th day of November 1970 A. D.
at 8:20 A.M. o'clock.
Delight Leslie, Co. Clerk
By Virginia Gilmore, Dep.

$2.00 paid
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

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

2. The beneficial use on which the claim is based: domestic and recreation - Judith Guard Station well

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

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1930

8. The depth of water table: 40 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: 50 foot well

10. The estimated amount of groundwater withdrawn each year: 500 gallons

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

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

Signature of Owner: [Signature]
Date: December 13, 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.

File No.: 723
State Engineer: Judith Bank
County: Judith Bank
File No.: R 112
#515

VESTED GROUNDWATER RIGHTS
U. S. of America Forest Service

SECTIONS: Sec. 13-13-11

122024

State of Montana
County of Judith Basin
Filed for record this
17th day of Dec. A.D. 1963 at
9:00 o'clock A.M.

Delight Leaht, Clerk and R.o.B.

by Betty Clark

Fee None
Notice of Completion of Groundwater Appropriation by Means of Well

Developed After January 1, 1963

(Under Chapter 237 Montana Session Laws, 1967, as amended)

Owner: Hugo Schroeder
Address: 610 Chipewa Ave., Billings, Montana

Driller: George J. Lincoln
Address: Location, Montana

Date of Notice of Appropriation of Groundwater: None

Date well started: July 17, 1971
Date completed: July 23, 1971

Type of Well: Drilled
Equipment Used: Rotary
(Dig, driven, bored or drilled)
(Chin 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.

<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>7-7/8</td>
<td>5-7/8</td>
<td>0</td>
<td>40</td>
<td>20/40</td>
</tr>
<tr>
<td>5/5/8</td>
<td>6-5/8</td>
<td>40</td>
<td>65</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Plastic casing</td>
<td>40</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>40/16 holes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 20 feet.
Shut-in Pressure for Flowing Well: 0 feet
Pumping Water Level: 42 feet
at: 2 gal. per minute.
Discharge in gal. per min. of flowing well: 0

How Tested: Air and Balling
Length of Test: 4 hours

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

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

Show exact depth of bottom.

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, times 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: [Signature]

[Grid Diagram]

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).
**Notice of Completion of Groundwater Appropriation by Means of Well**

**STATE OF MONTANA**
**ADMINISTRATOR OF GROUNDWATER CODE**
**STATE WATER CONSERVATION BOARD**

DEVELOPED AFTER JANUARY 1, 1962

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

**Owner:** Hugo Schroesknecht
**Address:** 656 Chippewa Ave., St. Paul, Minn. 55107

**Driller:** George G. Singley
**Address:** Lewistown, Montana

Date of Notice of appropriation of groundwater: July 17, 1971.
Date well started: July 17, 1971. Date completed: July 23, 1971.

Type of well: Drilled
Equipment used: Rotary (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.

<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>7-7/8</td>
<td>5/5/8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>640' Above</td>
<td></td>
<td>40</td>
<td>62</td>
<td></td>
</tr>
<tr>
<td>5-7/8 12 g. 1'</td>
<td>Elastic PVC</td>
<td>40</td>
<td>5/16</td>
<td>2G</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 20 feet.
Shut-in Pressure for flowing well: 40 feet.
Pumping Water Level: 2 gal. per minute.
Discharge in gal. per min. of flowing well: 0.

How Tested: Air and Bailing
Length of Test: 4 HRS.
Remarks: (Gravel packing, cementing, packers, type of shutoff).

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

**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, those 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:** 19

**Driller's Signature:** 4/89/71
COMPLETION OF WELL

Dr. Hugo P. Schreickenstein
Saint Paul, Minnesota

S6E34 Sec. 36, T. 13 R. 11 E.

State of Montana
County of Judith Basin
Filed for record this 18th day of August, 1971
at 10:10 A.M.
Delight Leslie, Co. Clerk
By R.E. Schaefer
Deputy

Fees: $2.00 Paid
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1880
Owner: Mrs. Edward Arnott
Address: __________________________
Contractor (if any): __________________________
Address of Contractor: __________________________
Date Started: __________________________ Date Completed: __________________________

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

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

Estimate approximate lengths of periods of use: estimated

W/JSW/4 Sec. 13 7 T. N. 12 E
Indicate point of appropriation and place of use, if possible.

Signature of Owner: __________________________
Date: __________________________

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

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

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

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

Soc. 17-15-12

STATE OF MONTANA
COUNTY OF Judith Basin
Filed for record this
21st day of Dec., A.D. 1963
at 3:29 o'clock P.M.
Delight Leslie, Ck. & Rcv.

By: ____________________________

Fee $7.00 pd.

DECEIVED

[Signature]

[Date: 12-17-1963]
Notice of Completion of Groundwater Appropriation by Means of Well

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

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

Sapphire Village
Owner: Glenn Ditta, Address: Utica, Montana

Driller: George W. Singley, Address: Lewistown, Montana

Date of Notice of appropriation of groundwater: None
Date well started: Sept. 2, 1972, Date completed: Oct. 6, 1972

Type of well: Drilled, Equipment used: Rotary

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>Size of Drilled Hole</th>
<th>Size and Weight of casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Kind</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-7/8</td>
<td></td>
<td>0</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5-5/8</td>
<td></td>
<td>20</td>
<td>40</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5-1/8</td>
<td></td>
<td>40</td>
<td>80</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4&quot; @ 10 feet above plastic gr, 1'</td>
<td>80</td>
<td>5/16&quot; holes</td>
<td>50</td>
<td>80</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 50 feet.
Shut-in Pressure for Flowing Well None.
Pumping Water Level 75 feet at 10 gal. per minute.
Discharge in gal. per min. of flowing well None.

How Tested: Air and Bailing
Length of Test: 1 hr.

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

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.

19
Driller's License Number
Driller's Signature

51.647
Filed No. 755

GLENN PITTS

Sapphire Village
Utica, Montana

SWPSW NE 1/4 Sec. 18, Twp. 13,
Rgs. 12

State of Montana
County of Judith Basin
Filed this 20th day of
October A.D. 1972 at 11:00 A.M.

County Clerk

Fee $2.00 Paid.
WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phyllis Arrott</td>
<td>Utica, Montana</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Location</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sec. 16 T. 13N R. 12B 1/4 sec.</td>
<td>SS1532</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>(Lift, drive, hand, or drill)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Casing: 0 ft. to 18 ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
</table>

Perforated or Screened: Ft. to Ft. Ft. to Ft.

Type of screen or perforations:

Static Water level, for non-flowing well: varies from 0 ft to 18 ft feet.

Shut-in pressure, for flowing well: 1 lb./sq. in. on: (date)

Pumping water level feet at gal. per min.

How tested:

Length of test:

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

(over)
Water Well Log
L. Phyllis Amott

Filed this 29th day of
December A. D. 1962 at 3:15
P.M.

Delight Leslie, Clk. & Rec.

by [Signature]    Dep
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana
WATER WELL LOG

Owner: Phyllis Irwin
Address: Utica, Montana

Driller: Address:

Date Started: Date Completed: 1957

Location: Sec. 16, T. 33N., R. 13E., 1/4 sec. 38E.

Well No.:

Dug Equipment used:

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

Industrial [ ] Drainage [ ] Other: 

Casing: 0 ft. to 1/4 ft. Type: cement Size: 

Casing: 1/4 ft. to 1/1 ft. Type: galvanized steel Size: LPT.

Casing: 1/1 ft. to 10 ft. Type: natural shale Size: 

Perforated or Screened: Ft. to Ft. Ft. to Ft. 

Type of screen or perforations: 

Static Water level, for non-flowing well: varies from 1 ft. to 11 ft. 

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

Pumping water level: feet at gal. per min. 

How tested: 

Length of test: 

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

(over)
<table>
<thead>
<tr>
<th>Water Well Log</th>
</tr>
</thead>
<tbody>
<tr>
<td>L. Phyllis Austin</td>
</tr>
</tbody>
</table>

Filed for record this 29th day of December A.D. 1961 at 3:10 P.M.

Delight Leslie, Clerk & Rec.

By: Betty Ann Harris  Dep
Form No. 18  
S-60  

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>13N</td>
<td>12E</td>
<td>19</td>
<td>13N</td>
<td>12E</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

County: Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG  
STATE ENGINEER

Owner: Phyllis Arnott  
Address: Ulaa, Montana

Driller:  
Address:  

Date Started:  
Date Completed:  

Location: Sec. 19  
T. 13N  
R. 12E  
4 sec.  

Type of well: Dug  
Equipment used: (Drill, driven, bored, or drilled)

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

Casing: 0 ft. to 1 lb. ft.  
Type: brick  
Size:  

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  

Static Water level, for non-flowing well: varies from 3 ft. to 10 ft. feet.  
Shut-in pressure, for flowing well: lb./sq. in. on:  

Pumping water level: feet at gal. per min.  

How tested:  

Length of test:  

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

Filed this 13th day of Dec. A.D. 1961 Water Well Log #77  
(over)
### WATER WELL LOG

**Owner**: L. Phyllis Irmin  
**Address**: Butte, Montana

**Driller**

**Date Started**

**Date Completed**

**Location**: Sec. 19 T. 13N R. 12E ¼ sec. NE<sup>4</sup>

| Type of well | Equipment used |
|--------------|----------------|------------------|
| Dug          | (sub, drove, bored, or drilled) |

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

**Casing**:  
- 0 ft. to 16 ft. Type __________ Size __________
- __________ ft. to __________ ft. Type __________ Size __________
- __________ ft. to __________ ft. Type __________ Size __________

**Perforated or Screened**:  
- Ft. __________ to ft. __________, Ft. __________ to ft. __________

**Type of screen or perforations**:  
- Varies from 6 ft. to 16 ft.

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

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

**Pumping water level**: __________ feet at __________ gal. per min.

**How tested**:  
- __________

**Length of test**:  
- __________

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

**Filed this __________ day of Dec. A. D. 1961 Water Well Log #78**

(over)
**Form No. 18**

**COUNTY TOUAIH Basin**

**MONTANA BUREAU OF MINES AND GEOLOGY**

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>L. W. L. Amott</td>
<td>Utica, Montana</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Location</th>
<th>Sec. 12 T. 13N R. 12E 1/4 sec. NE 1/4</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Aug. driven, bored, or drilled)</td>
<td>(Cone, drill, ream, other)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water use</th>
<th>Casing: 0 ft. to 16 ft. Type brick Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td></td>
</tr>
<tr>
<td>Municipal</td>
<td></td>
</tr>
<tr>
<td>Stock</td>
<td></td>
</tr>
<tr>
<td>Irrigation</td>
<td></td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
</tr>
<tr>
<td>Drainage</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

| Casing: _______ ft. to _______ ft. Type _______ Size _______ |
| 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 variable from _______ ft. to _______ ft. |

| Static Water level, for non-flowing well: _______ feet. |
| Shut-in pressure, for flowing well: _______ lb./sq. in. on: _______ (date) |

| Pumping water level _______ feet at _______ gal. per min. |
| How tested:                                            |
| Length of test                                         |
| Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off) |

**Filed this 11th day of Dec., A.D., 1961 Water Well Log #79**
<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>L. Phyllis Jernott</td>
</tr>
<tr>
<td>Address</td>
<td>Wilsa, Montana</td>
</tr>
<tr>
<td>Driller</td>
<td>Address</td>
</tr>
<tr>
<td>Date Started</td>
<td>Date Completed</td>
</tr>
<tr>
<td>Location</td>
<td>Sec 19, T. 13N, R. 123 3/4 sec NE</td>
</tr>
<tr>
<td>Type of well</td>
<td>dug</td>
</tr>
<tr>
<td>Equipment used</td>
<td>(Churn drill, rotary, other)</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic</td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>0 ft to 16 ft</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft to ft</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft to ft</td>
</tr>
<tr>
<td>Perforated or Screened:</td>
<td>Ft to Ft</td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well</td>
<td>varies from ft to ft 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>feet at gal. per min</td>
</tr>
<tr>
<td>How tested</td>
<td></td>
</tr>
<tr>
<td>Length of test</td>
<td></td>
</tr>
<tr>
<td>Remarks</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
</tbody>
</table>
Water Well Log

L. Kyllis Armood

Filed for record this 29th day of Nov. A. D. 1961 at 3:25 P.M.

Delight Leslie, Clerk Rec.

by Ruth H. Armood, Dep.
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner Address</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>L. Phyllis Arnott</td>
<td>Utica, Montana</td>
</tr>
<tr>
<td>John P. Arnott</td>
<td>Utica, Montana</td>
</tr>
<tr>
<td>Location: Sec. 19 T. 13 R. 1 1/4 sec.</td>
<td>March 1959</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>12E</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>box</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing: ft to ft</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft to 10 ft</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 ft to 12 ft</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened: Ft to Ft</th>
<th>Gal. Culvert ft</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of screen or perforations</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Shut-in pressure, flowing well: Varied from 2 to 11 ft (date)</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>How tested</th>
<th>Length of test</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

(over)
<table>
<thead>
<tr>
<th>Water Well Log</th>
<th>Depth (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L. Phyllis Amott</td>
<td></td>
</tr>
<tr>
<td>Filed for record on Fez 29th</td>
<td></td>
</tr>
<tr>
<td>day of Dec. 5, 1968</td>
<td></td>
</tr>
<tr>
<td>P. Mc</td>
<td></td>
</tr>
<tr>
<td>Delight Leslie, Okla. 1 Res.</td>
<td></td>
</tr>
<tr>
<td>by Glen D. Smith</td>
<td></td>
</tr>
</tbody>
</table>

Log of Well

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

1. L. Phyllis Arnott
   (Name of Appropriator)
   County of Judith Basin, 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, domestic and irrigation

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
      1890 and has been in continuous use since that time

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

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

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
      Started in 1890 and completed that date

   7. The depth of water table
      varies from 4 to about 14

   8. The estimated amount of groundwater withdrawn each year
      400,000

   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 county record
      None

Signature of Owner: L. Phyllis Arnott
Date: Dec. 23rd, 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 Judith Basin

Filed this 27th day of December A.D. 1963 at 10:40 o'clock A.M.

[Signature]
County Clerk

Fee $2.00 Paid
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1886

Owner: Address:

Contractor (if any): Address of Contractor:

Date Started: Date Completed:

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

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

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

Signature of Owner:

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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Hill, Joseph T. Mary

County of __________ State of __________

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:

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 millions of cubic feet or gallons per minute):

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

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

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

8. The depth of water table:

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

10. The estimated amount of groundwater withdrawn each year:

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

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

Signature of Owner

Date

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Approprietor.
# 473
Joseph & Mary Han Kill
NW/4 SE/4 Sec. 22-13-12
State of Montana
County of Judith Basin

Filed for record this
30th day of December A. D. 1953
at 3:05 P. M.
Delight Leslie, Clk. & Res.
By Deputy
**Notice of Completion of Groundwater Appropriation Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1920

Owner: Charles J. Hill

Contractor (if any): None

Address of Contractor: None

Date Started: 1920  Date Completed: 1920

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

- Natural Spring with a pipe put into it and pipe runs into a 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.

- 2 gallons per minute.

Signature of Owner: Charles J. Hill

Date: Dec. 23rd, 1965.

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.
Charles J. Hill and
Edward F. Arnett

Filed: Dec. 27-13-20

State of Montana,
County of Judith Basin

Filed this 27th day of
December A.D. 1920 at
10:50 o'clock A.M.

[Signature]
County Clerk.

Fee $2.00 Paid.
<table>
<thead>
<tr>
<th>Owner</th>
<th>P. Phyllis Arnett</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date Started</td>
<td>29</td>
<td>13N</td>
</tr>
<tr>
<td>Date Completed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location</td>
<td>6 Sec. T. R. R 1/4 sec.</td>
<td></td>
</tr>
<tr>
<td>Type of well</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic □ Municipal □ Stock □ Irrigation □ Industrial Q Drainage □ Other □</td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft. Type Size</td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft. Type Size</td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft. Type Size</td>
<td></td>
</tr>
<tr>
<td>Perforated or Screened:</td>
<td>Ft. to Ft. Ft. to Ft.</td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td>Variable 6 ft to 14 ft.</td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>Feet.</td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>lb./sq. in. on: (saU)</td>
<td></td>
</tr>
<tr>
<td>Pumping water level at feet gal. per min.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How tested:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length of test</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(over)
Form No. 18

8-60

T. 13N R. 125

County: Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>L. Phyllis Irwin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Utica, Montana</td>
</tr>
</tbody>
</table>

Driller: Address:

Date Started: Date Completed:

Location: Sec. 30 T. 13N R. 125 1/4 sec. N W

Type of well: Dug

Equipment used: (Dug, driven, bored, or drilled)

Water use: Domestic □ Municipal □ Stock □ Irrigation □

Industrial □ Drainage □ Other □

Casing: 0 ft. to 10 ft. Type: Galvanized culvert Size: 3 ft.

Casing: 10 ft. to 25 ft. Type: Brick Size: ___________

Casing: 25 ft. to 32 ft. Type: Cement Size: ___________

Perforated or Screened: Ft. ______ to Ft. ______. Ft. ______ to Ft. ______.

Type of screen or perforations:

Static Water level, for non-flowing well: 10 ft. to 32 ft. ______ feet.

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

Pumping water level: ______ feet at: ______ gal. per min.

How tested: __________________________

Length of test: __________________________

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

Filed this 13th day of Dec., A.D., Water Well Log # 80
(over)
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1890

Owner: Mrs. Edward Arnott
Address: ________________________________

Contractor (if any): ________________________________
Address of Contractor: ________________________________

Date Started: ___________________________ Date Completed: ___________________________

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

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: ½ to 1½ gallons per minute.

Signature of Owner: ________________________________
Date: ________________

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

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

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

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

Sec. 38-13-12

State of Montana
County of Judith Basin
Filed for record this
31st day of Dec. A.D. 1963
at 3:30 o'clock P.M.
Delight Leslie, Clk & Rec.

By: ___________________ Dep.

Fee $2.00 pd.
## WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>L. Willis Irnett</th>
<th>Address</th>
<th>Utica, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Started</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date Completed</td>
<td></td>
<td></td>
<td>1906</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 37, T. 1314, R. 12S, S. 54</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type of well</td>
<td>Dug</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Equipment used</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Municipal</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stock</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Irrigation</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Industrial</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Drainage</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing</td>
<td>0 ft. to 14 ft.</td>
<td>rock</td>
<td></td>
</tr>
<tr>
<td>Casing</td>
<td>14 ft. to 30 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing</td>
<td>30 ft. to 45 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perforated or Screened</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>varies from 0 ft. to 12 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td></td>
<td>lb./sq. in. on:</td>
<td></td>
</tr>
<tr>
<td>Pumping water level:</td>
<td></td>
<td>feet at</td>
<td>gal. per min:</td>
</tr>
<tr>
<td>How tested:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length of test</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reminders (Gravel, packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Form No. 18  
8-60

<table>
<thead>
<tr>
<th>T.</th>
<th>R.</th>
</tr>
</thead>
<tbody>
<tr>
<td>13N</td>
<td>12E</td>
</tr>
</tbody>
</table>

County: Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG  
STATE ENGINEER

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>L. Phyllis Arnott</td>
<td>Utica, Montana</td>
</tr>
</tbody>
</table>

Driller  
Address

Date Started:  
Date Completed: 1912

Location: Sec. 33 T. 13N R. 12E 1/4 sec. SE 3

Type of well  
Equipment used

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

Casing:  
0 ft. to 12 ft.  Type □  Size

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

Static Water level, for non-flowing well:  
varies from 0 ft. to 12 ft.  feet

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

Pumping water level  
□ feet at  □ gal. per min.

How tested:  

Length of test

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

Filed this 13th day of December A.D., 1951. Water Well Log # 76

(over)
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: 1920
Owner: Edward F. Arnott
Address: Utica
Contractor (if any): None
Address of Contractor: None
Date Started: 1920
Date Completed: 1920

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

Bug into Spring about 5 Ft.
and cemented around the sides.

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.

flows about 4 gallons per minute

Signature of Owner: Edward F. Arnott
Date: Dec. 23rd, 1961.

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.
WATER APPROPRIATION

EDWARD F. ARBOTT
SWER Sec. 34-15-12

122079

Deputy of Montana
County of Judith Basin

Deeds for record this 23rd
day of Dec. A.D. 1965 at 11:40
o'clock A.M.

Delight Leslie, Clerk a Rec.

by Betty Altman

Fee $2.00 paid.
## GROUNDWATER INDEX

**County:** Judith Basin  
**Twp.:** 13S  
**Rge.:** 13E

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Sipe, Raymond A.</td>
<td>GW-H</td>
<td>568</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Rosman Ranch</td>
<td>EA</td>
<td>767</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Hauser Ranch</td>
<td>ER-2</td>
<td>100:17</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Western Hills H.</td>
<td>- H</td>
<td>100:20</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>&quot;</td>
<td>- H</td>
<td>100:36</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>&quot;</td>
<td>EA</td>
<td>260</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>Olson, Ernest H.</td>
<td>- H</td>
<td>115:51</td>
<td>T13N R12E</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Raymond K. Swanz
(Name of Appropriator)

of
(Address)

County of Judith Basin
(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

Continuously since no later than 1870

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

Entire Flow

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

Not used for irrigation

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

Entire Flow of spring - improved well developed

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

June 1961

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

Not applicable

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

Not applicable

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


Signature of Owner: Raymond K. Swanz
Date: Dec 31, 1962

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
State of Montana
County of Judith Basin
Filed this 31st day
of December A. D. 1963
at 3:10 o'clock P.M.

[Signature]
County Clerk.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Resmon
Ranch: Address:
Driller: Address:

Date of Notice of appropriation of groundwater: Date well started: Date completed:

Type of well: Equipment used:
(Dig, Driven, bored or 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 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>Depth (呂feet)</th>
<th>Strata Met</th>
<th>Character</th>
</tr>
</thead>
<tbody>
<tr>
<td>25-20</td>
<td>Red gravel</td>
<td>Soil</td>
</tr>
<tr>
<td>17-12</td>
<td>Yellow sand</td>
<td>Shale</td>
</tr>
<tr>
<td>0-3</td>
<td>Yellow clay</td>
<td>Clay</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well

Shut-in Pressure for flowing well

Pumping Water Level

Discharge in gal. per min. of flowing well

How Tested

Length of Test

Remarks: (Gravel packing, cementing, packers, type of stuffing)

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

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 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

41,563
**Notice of Completion of Groundwater Appropriation by Means of Well**

**DEVELOPED AFTER JANUARY 1, 1962**

(Under Chapter 237, Montana Session Laws, 1961)

---

**Owner:** Resmon Ranch
**Address:** 115 Oak, Milwaukee

**Date of Notice of completion of groundwater:**

**Type of well:** Drilled

**Equipment used:** Cable Tests

**Water use:** Domestic

---

**Static Water Level for non-flowing well**

**Shut-in Pressure for flowing well**

**Pumping Water Level**

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

**How Tested:**

**Length of Test:**

**Remarks:** (Gravel pack, cementing packers, type of packer)

---

**SURE—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 filed by the owner with the County Clerk and Recorder in the county in which the well is located, same 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: 41, 523

Driller's Signature: [Signature]
State of Montana
County of Judith Basin
Filed for record this 25th
Oct. A.D. 1966 at 3:00 o'clock
Delilah Leslie, Ck., & R.o.
by /s/ [Signature]
NOTICE OF COMPLETION OF GROUNDWATER Appropriation WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: July 1, 1965
Owner: Mr. W. N. M. Darracott
Address: Fairbanks, Montana
Contractor (if any): None
Address of Contractor: None
Date Started: Same as above
Date Completed: Same as above

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

Stock water tank; water at surface used continuously

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, estimated

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

Signature of Owner: Mr. W. N. M. Darracott
Date: 12/20/63

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

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

Please answer all questions. If not applicable, so state, otherwise 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.
WATER APPROPRIATION
IDA E. MACKenzie
SW# 1 Sec. 10-13-15
122172
State of Montana
County of Judith Basin
Filed for record this
30th day of Sec. A. P. 1963
at 9:00 o'clock A.M.
Delight Leslie, Clerk and Sec.

by

Fees $2.00 pd.