<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>12</td>
</tr>
<tr>
<td>12</td>
<td>15</td>
</tr>
<tr>
<td>15</td>
<td>40</td>
</tr>
<tr>
<td>40</td>
<td>45</td>
</tr>
<tr>
<td>45</td>
<td>73</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>73</td>
<td>74</td>
</tr>
<tr>
<td>74</td>
<td>75</td>
</tr>
<tr>
<td>75</td>
<td></td>
</tr>
</tbody>
</table>
### WATER WELL LOG

**Owner:** United Properties Incorporated  
**Address:** Big Sandy, Montana

**Driller:** Keyp Drilling Co.  
**Address:** Big Sandy, Montana

**Date Started:** 8/22/58  
**Date Completed:** 8/23/58

**Location:** Sec. 30, T. 28 N., R. 13 E., 1/4 sec. NW

---

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

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

**Casing:**  
- Surface ft. to 20 ft.  
- Type: Iron  
- Size: 6 inch

**Casing:**  
- ft. to ft.  
- Type:  
- Size: 

**Perforated or Screened:**  
- Ft. 1/4 ft. to 20 ft.  
- Type:  
- Size: 

**Type of screen or perforations:** Sand

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

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

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

**How tested:** Bailed and pumped both

**Length of test:** One hour pumping

**Remarks:**  
- Gravel packing, cementing, packers, type of shut-off, depth of shut-off
- Has fine sand screen
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 1</td>
<td>Top Soil</td>
</tr>
<tr>
<td>1 to 7</td>
<td>Gumbo</td>
</tr>
<tr>
<td>7 to 9</td>
<td>Brown Clay</td>
</tr>
<tr>
<td>9 to 12</td>
<td>Sandy brown clay</td>
</tr>
<tr>
<td>12 to 19</td>
<td>Sand &amp; gravel varying from 3&quot; in diameter to fine sand. All water bearing but last 5' best.</td>
</tr>
<tr>
<td>10 to 20</td>
<td>Brown silty shaly clay</td>
</tr>
<tr>
<td>20 to 26</td>
<td>Blue-grey silty shale &amp; clay</td>
</tr>
</tbody>
</table>
Now owned by United Cattle Co.
Owner: McNamara Cattle Company
Address: Big Sandy, Montana
Driller: W. H. Keup
Address: Big Sandy, Montana

Date Started: November 1, 1949
Date Completed: November 2, 1949
McNamara #3 west side road by first bridge from Whitcraft ranch
Location: Sec. 32

<table>
<thead>
<tr>
<th>Type of well</th>
<th>drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment used</td>
<td>churn drill</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water use:</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>0 ft. to 146 ft.</th>
<th>Type</th>
<th>146/ft.</th>
<th>Size</th>
<th>5 1/2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing:</td>
<td>146 ft. to 180 ft.</td>
<td>Type</td>
<td>Size</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>180 ft. to 240 ft.</td>
<td>Type</td>
<td>Size</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Type of screen or perforations:</th>
<th>none</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
<th>113 ft.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Shut-in pressure, for flowing well:</th>
<th>42 lb./sq. in.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Pumping water level:</th>
<th>20 gal. per min.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>How tested:</th>
<th>bailer</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Length of test:</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>draw down on bailer, check 29’</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 gal. per minute on bailer test</td>
</tr>
</tbody>
</table>

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>10</td>
<td></td>
<td>Gumho</td>
</tr>
<tr>
<td>10</td>
<td>11</td>
<td></td>
<td>Dry gravel Bar</td>
</tr>
<tr>
<td>11</td>
<td>15</td>
<td></td>
<td>Quicksand</td>
</tr>
<tr>
<td>15</td>
<td>25</td>
<td></td>
<td>Sandy Clay Silt (Brown)</td>
</tr>
<tr>
<td>25</td>
<td>30</td>
<td></td>
<td>Gravel &amp; Sand</td>
</tr>
<tr>
<td>30</td>
<td>40</td>
<td></td>
<td>Small Water &amp; Fine Sand</td>
</tr>
<tr>
<td>40</td>
<td>46</td>
<td></td>
<td>Water Bearing</td>
</tr>
<tr>
<td>RECEIVED</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OCT 29 1957</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MONTANA BUREAU OF MINES AND GEOLOGY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Butte, Montana</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

WATER WELL LOG

How owned by United Cattle Co.
Owner: McNamara Cattle Company
Address: Big Sandy, Montana

Driller: W. H. Leup
Address: Big Sandy, Montana

Date Started: 10-29-49
Date Completed: 10-31-49

McNamara #2
Location: Sec. 32, T. 28N, R. 13E, 1/4 sec. Northwest

<table>
<thead>
<tr>
<th>Type of well:</th>
<th>drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment used:</td>
<td>churn drill</td>
</tr>
</tbody>
</table>

<p>| Water use: |</p>
<table>
<thead>
<tr>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
</tr>
</thead>
</table>

| Casing: |
|-----------------|-----------------|
| 0 ft. to 25 ft. | Type 1 1/2 x 3/4 in. Size 3/4 |

| Casing: |
|-----------------|-----------------|
| ft. to ft. | Type |

| Casing: |
|-----------------|-----------------|
| ft. to ft. | Type |

| Perforated Screen: |
|-----------------|-----------------|
| Ft. 20 to Ft. 35 | Type |

| Type of screen or perforations: |
| 1/4" Hole 25/35 |

| State 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: |
| 45 min. pump check, bailing test |

| Length of test: |
| |

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

| draw down 15 ft. on bailing test |

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>12</td>
<td>15</td>
</tr>
<tr>
<td>22</td>
<td>28</td>
</tr>
<tr>
<td>28</td>
<td>30</td>
</tr>
</tbody>
</table>
**WATER WELL LOG**

- **Owner:** United Properties Incorporated
- **Address:** Big Sandy, Montana
- **Driller:** W. H. Keup
- **Address:** Big Sandy, Montana
- **Date Started:** August 11, 1955
- **Date Completed:** August 13, 1955
- **Ranch:** Whitcraft Ranch
- **Location:** Sec. 33 T. 28N R. 13E ¼ sec. northwest

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled</td>
<td>churn, drill</td>
</tr>
</tbody>
</table>

- **Water use:** Stock

<table>
<thead>
<tr>
<th>Water use</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
</tr>
</thead>
</table>

- **Casing:**
  - Surface: 21 ft
  - Screen: 21 ft

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface</td>
<td>Q. D. 10</td>
<td>6</td>
</tr>
<tr>
<td>Screen</td>
<td>Q. D. 10</td>
<td>6</td>
</tr>
</tbody>
</table>

- **Perforated or Screened:**
  - Type: General Purpose

<table>
<thead>
<tr>
<th>Perforated or Screened</th>
<th>Ft. to Ft.</th>
<th>Ft. to Ft.</th>
</tr>
</thead>
</table>

- **Static Water level:** 21 feet
- **Shut-in pressure:** lb/sq. in. (date)

- **Pumping water level:** 21 feet at 8-10 gal. per min

- **How tested:** bailer

- **Length of test:**

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

  only one of three wells in this location used.
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>10</td>
</tr>
<tr>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>20</td>
<td>21</td>
</tr>
<tr>
<td>21</td>
<td>22</td>
</tr>
<tr>
<td>22</td>
<td>23</td>
</tr>
<tr>
<td>23</td>
<td>24</td>
</tr>
<tr>
<td>24</td>
<td>25</td>
</tr>
<tr>
<td>25</td>
<td>26</td>
</tr>
<tr>
<td>26</td>
<td>27</td>
</tr>
</tbody>
</table>
# WATER WELL LOG

**Owner:** United Properties Incorporated  
**Address:** Big Sandy, Montana

**Driller:** W. E. Keup  
**Address:** Big Sandy, Montana

**Date Started:** August 3, 1955  
**Date Completed:** August 6, 1955

**Location:** Meiltie Creek Ranch  
**Sec.:** 33  
**T. 23N.**  
**R. 13E.**  
**4 sec. northwest**

---

<table>
<thead>
<tr>
<th>Type of well drilled</th>
<th>Equipment used</th>
<th>Water use</th>
<th>Casing:</th>
<th>Perforated or Screened:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>churn drill</td>
<td>Domestic</td>
<td>ft to ft</td>
<td>ft to ft</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Type</td>
<td>Type</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Size</td>
<td>Size</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Stock</td>
<td>ft to ft</td>
<td>ft to ft</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Type</td>
<td>Type</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Size</td>
<td>Size</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Municipal</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Industrial</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Drainage</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other: General Purposes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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)

*Casing Pulled, hole abandoned: sand & gravel too fine & silty to make a well.*

(over)
<table>
<thead>
<tr>
<th>Depth, Feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>10</td>
<td></td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>10</td>
<td>15</td>
<td></td>
<td>Brown Clay</td>
</tr>
<tr>
<td>15</td>
<td>22</td>
<td></td>
<td>Sandy Brown Silty Clay</td>
</tr>
<tr>
<td>22</td>
<td>26</td>
<td></td>
<td>Sand, Boulders Gravel (Water)</td>
</tr>
<tr>
<td>26</td>
<td>30</td>
<td></td>
<td>Grey Silt Clay</td>
</tr>
<tr>
<td>30</td>
<td>33</td>
<td></td>
<td>Grey Shale</td>
</tr>
<tr>
<td>33</td>
<td>33</td>
<td></td>
<td>Lens of Gravel (Water)</td>
</tr>
<tr>
<td>33</td>
<td>80</td>
<td></td>
<td>Grey Shale</td>
</tr>
</tbody>
</table>
MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>United Properties, Inc.</th>
<th>Address</th>
<th>Big Sandy, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>W. H. Keup</td>
<td>Address</td>
<td>Big Sandy, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>August 8, 1955</td>
<td>Date Completed</td>
<td>August 11, 1955</td>
</tr>
<tr>
<td>Hole #2</td>
<td>Whitcraft Bldgs.</td>
<td>Location: Sec. 33, T. 28N, R. 13E, 1/4 sec. northwest</td>
<td></td>
</tr>
</tbody>
</table>

Type of well: drilled  
Equipment used: churn drill

Water use:  
- Domestic [x]  
- Municipal [ ]  
- Stock [x]  
- Irrigation [ ]

- Industrial [ ]  
- Drainage [ ]  
- General Purpose [ ]

Casing:  
- Surface to 21 ft.  
- Type: O.D. 10" [ ]  
- Size: 6" [ ]

Casing:  
- ft. to ft.  
- Type:  
- Size: 

Type of screen or perforations:  
- ft. to ft.  
- ft. to ft.

Static Water level, for non-flowing well: 22 to 28 feet.

Shut-in pressure, for flowing well: 10 lb/sq. in. (date)

Pumping water level: 26 ft. feet at 3-5 gal. per min.

How tested: bailer

Length of test:

Remarks:  
- Gravel packing, cementing, packers, type of shut-off, depth of shut-off
- Not in use, insufficient supply of water
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>6</td>
<td>22</td>
</tr>
<tr>
<td>22</td>
<td>24</td>
</tr>
<tr>
<td>24</td>
<td>26</td>
</tr>
<tr>
<td>26</td>
<td>28</td>
</tr>
<tr>
<td>28</td>
<td>30</td>
</tr>
<tr>
<td>30</td>
<td>46</td>
</tr>
<tr>
<td>46</td>
<td>48</td>
</tr>
<tr>
<td>48</td>
<td>50</td>
</tr>
</tbody>
</table>
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Now owned by United Cattle Co.
Owner: McNamar Cattle Company
Address: Big Sandy, Montana

Driller: W. H. Keup
Address: Big Sandy, Montana

Date Started: December 8, 1949
Date Completed: December 13, 1949

McNamar #8
Location: Sec. 33 T. 28N R. 13E 44 acres northwest

Type of well: drilled
Equipment used: churn drill

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

Casing:
- 0 ft. to 25 ft. Type: 1 1/2" Size: 6 1/2"
- 25 ft. to
- 35 ft. Type: Size:
- 35 ft. to
- Type: Size:

Perforated or Screened:
- Ft. to ft. Type: Ft. to ft.

Type of screen or perforations:

Static Water level, for non-flowing well: 25 feet

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

Pumping water level: feet at 35 gal. per min.

How tested: bailer

Length of test:

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

static head 6 ft. draw down on bailer 9'6"
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 2</td>
<td>To 15</td>
</tr>
<tr>
<td>15</td>
<td>20</td>
</tr>
<tr>
<td>20</td>
<td>28</td>
</tr>
<tr>
<td>28</td>
<td>30</td>
</tr>
</tbody>
</table>

Brown Clay & Gravel
Sandy Clay
Water Bearing
Clay & Gravel Turning to Clay
WATER WELL LOG

Now owned by United Cattle Co.
Owner: McNamara Cattle Company
Address: Big Sandy, Montana

Driller: W. H. Keup
Address: Big Sandy, Montana

Date Started: December 3, 1949
Date Completed: December 7, 1949

McNamara #7 by Whitcraft buildings north of producing well in field
Location: Sec. 33 T. 28N R. 13E 1/4 sec. northeast

Type of well drilled: Churn drill
Equipment used: Churn drill, rotary, other

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

Casing:
0 ft. to 30 ft. Type: 18\" Size: 6\" 
30 ft. to ft. Type: Size: 
ft. to ft. Type: Size: 

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

Type of screen or perforations: 

Static Water level, for non-flowing well: dry hole 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) dry hole 

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>7</td>
<td>Gravel</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>12</td>
<td>Quicksand</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>26</td>
<td>Sand &amp; Gravel, Small Water</td>
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<tr>
<td>26</td>
<td>28</td>
<td>Blue Clay</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>60</td>
<td>Grey Shale &amp; Blue Clay Streaks</td>
<td></td>
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</tbody>
</table>
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Nov 27, 1962
Owner: Millard A. Baumgarten
Address: Big Sandy, Mont.
Contractor (if any): J. J. J. J.
Address of Contractor: J. J. J. J.
Date Started: July 1, 1961; Date Completed: July 3, 1961

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

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
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: Steve Kalamuk
Address: Big Sandy Mnt

Driller: Deced
Address:

Date of Notice of appropriation of groundwater: N/A

Date well started: N/A
Date completed: N/A

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

Water use: Domestic [X] Municipal [ ] Stock [ ] Irrigation [X] 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>Site and Weight of Casing</th>
<th>To (Feet)</th>
<th>FROM (Feet)</th>
<th>Kind of Hole</th>
<th>From (Feet)</th>
<th>To (Foot)</th>
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</thead>
<tbody>
<tr>
<td>8'11</td>
<td>6'11</td>
<td>100</td>
<td>50</td>
<td>SET 20</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 10 feet.

Shut-in Pressure for Flowing Well 20 feet.

Pumping Water Level 20 feet at 8 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: Drilled

Length of Test: 27

Remarks: Drilled pack

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

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

6.4364

Driller's License Number

Deced

Driller's Signature.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Date of Notice of Appropriation of Groundwater:

Date well started: N/A  Date Completed: N/A

Type of well: Drilled  Equipment Used: Spuddler

(Elec., driven, bored or (Churn, drill, rotary or drilled)

Water Use: Domestic  Municipal  Other  Irrigation

Industrial  Drainage  Stock

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Cathing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
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<tr>
<td>8 in 6'</td>
<td></td>
<td>0</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

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

Shut-in Pressure for Flowing Well: 80 psi.

Pumping Water Level: 20 feet at 8 gal. per minute.

Discharge in gal. per min. of flowing well: N.A.

How Tested: Drilled

Length of Test: 4 Day

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

Gravel packing

Driller’s License Number

Driller’s Signature

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

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

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

### County: Chouteau

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
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<td>G.012</td>
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<td>Edward J. Brandtette, Sr</td>
<td>G.014</td>
<td>365253</td>
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<td>366153</td>
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<td>Ben H. Woffit</td>
<td>G.011</td>
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RECEIVED
JUN 22, 1973

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

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 No. 37136
Owner: HARVEY H. KELLER
Address: BIG SANDY, MONTANA
Contractor (if any): MILTON PURSEY
Address of Contractor: BIG SANDY, MONTANA
Date Started: 1968
Date Completed: 1968

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

3. Depth of water table 2 Feet

4. Use of the water Stockwater

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 1 Gallon

6. If used for irrigation, give number of acres and description of land no irrigation

7. Estimate amount of water used each year 262,600 Gallons

8. Months of year spring flows 12 Months

Signature of Owner: Harvey H. Keller
Date: June 24, 1973
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Edward J. Beaudette Sr., of Big Sandy
   (Name of Approprior) (Address) (Town)

   County of Chouteau, State of Montana

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

2. The beneficial use on which the claim is based
   
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
   
5. If used for irrigation, give the acreage and description of the land to which water has been applied and name of the owner thereof

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

   electric jet 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

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 Edward J. Beaudette
Date 7-4-63

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 School of Mines and Quadruplicate for the Appropriator.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Edward J. Rouquette Sr. of Big Sandy
   (Name of Appropriator) (Address) (Town)

   County of Chouteau 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
   human and stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 2/23-51
   continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 1 to 3 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: no irrigation

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 2/23-51

8. The depth of water table: 35 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:
   15 ft. casing, 167 ft. depth

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: 8 ft. brown clay, 19 ft. sandy clay, 26 ft. brown clay, 23 ft. sandstone, 55 ft. sand and gravel, 75 ft. brown sandstone, 89 ft. clay and Judith river sand, 133 ft. shelly, shale, blue clay, 159 ft. sandstone, 167 ft. grey shale,

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: Edward J. Rouquette
Date: 9-4-1963

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 Engineer,
Helena, Montana.

Dear Sir:

On September 4th, Edward J. Beaudette filed two vested Groundwater rights forms which were incorrect as far as the descriptions are concerned.

The description on Document No. 345252 should read NW\SE of Section 20, Township 28 North, Range 14 East, M. P. M., and Document No. 345253 should read SW\NE of Section 20, Township 28 North, Range 14 East.

If you will make these corrections we will appreciate it.

Yours very truly,

George W. Harvey
George W. Harvey, Co. Clerk.

gwh

c/c Bureau of Mines,
Butte, Montana.
State of Montana
Administrator of Groundwater Code
Office of State Engineer

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

1. Ben H. Neely of Big Sandy
   (Name of Appropriator) (Address) (Town)

County of Chouteau 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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1st June 1959 - Continuous since June 1959

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 2,000 G.A.L. 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: NOT APPLICABLE

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: May 1, 1959 - May 14, 1959

8. The depth of water table: 140 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: WELL IS 19 FT. DEEP, CASED WITH 6-1/2 IN. CASING

10. The estimated amount of groundwater withdrawn each year: 75,000 G.A.L.

11. The log of formations encountered in the drilling of each well if available: Top soil: yellow clay, yellow sandy clay, gravel; yellow sandy clay gravel; yellow clay; gray shale; gray sandy shale; Hard sands; clay; Sandstone; Yucca; Gray Shale.

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 APPLICABLE

Signature of Owner: Date: Dec. 16th 1963

Three copies to be filled 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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Ben. At: WEITY, of Big Sandy
   (Name of Appropriator) (Address)
   County of CHouteau, State of MONT.
   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 WELL + HOUSE WELL

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: DEC 15 1947

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 1/4 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: NOT APPLICABLE

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Mar. 28 1947 - Dec. 15, 1947

8. The depth of water table: 8.5 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: 15 FT deep - CASING 6". Casing

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

11. The log of formations encountered in the drilling of each well if available: BOUND, Sandy Clay, Blue Clay, Gray Shale, Hard Shale, Gray Shale, Hard Shale, Gray Clay, Sandstone

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 APPLICABLE

Signature of Owner: December 16, 1963
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 School of Mines and quadruplicate for the Appropriator.
Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. I, Ben M. Welty, of Big Sandy, Chouteau County, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

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

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

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

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

6. The probable or intended date of commencement and completion of the well or wells is as soon as finished.

7. The location, type, size and depth of well or wells contemplated is S.W. 1/4 Sec. 31, T. 48 N., R. 16 W.

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

9. Name, address and license number of the driller engaged is Floyd A. Riehberg, Box Elder, Mont., License No. 692.

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

Signature of Approporator:

Ben M. Welty

Date: Jan. 3, 1962

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Tripplicate to the School of Mines and Quadruplicate for the Approporator.
STATE OF MONTANA, T
COUNTY OF CHOUTEAU

File: January 9th
at: 11:00

George W. Sneed

County Clerk

Fay, J. H. Chatham

Fm. 9. 1. 400.
Paid
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Ben Welty  
Address: Big Sandy, Montana

Driller: Lloyd G. Hansen  
Address: Box Elder, Montana

Date of Notice of Appropriation of Groundwater: Dec. 30, 1961

Date Well Completed: Jan. 5, 1962

Type of Well: Drilled

Equipment Used: Spudder

(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 Casing</th>
<th>From</th>
<th>To</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
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<tr>
<td>7&quot;</td>
<td>4&quot; OD 10.50</td>
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<td>80</td>
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<tr>
<td></td>
<td>4½&quot; OD 6.75</td>
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</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td>222</td>
</tr>
</tbody>
</table>

Static Water Level for Non-Flowing Well: 152 feet.

Shut-in Pressure for Flowing Well: none.

Pumping Water Level: 3 feet at 3 gal. per minute.

Discharge in gal. per min. of flowing well: 3 gal. per minute.

How Tested:  

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

License #: 6

Driller's License Number:  

Driller's Signature:  

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and Quadruplicate for the Appropriate.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT A 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.

---

**Owner:** HARVEY HJ. KELLER

**Address:** BIG SANDY, MONTANA

**Contractor (if any):** SELF

**Address of Contractor:** BIG SANDY, MONTANA

**Date Started:** MAY 1973  
**Date Completed:** MAY 1973

---

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**

3. **Depth of water table**

   4 Feet

4. **Use of the water**

   Household and Stockwater

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

   $5 Gallons

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

   **Yard and Garden**

7. **Estimate amount of water used each year**

   1,576,800 Gallons

8. **Months of year spring flows**

   12 Months

---

**Signature of Owner:**

**Date:** JUNE 21 - 1973

---

**RECEIVED**

[Signature]

[Date]

---

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**MONTANA WATER RESOURCES BOARD**

---

**OWNER OF MONTANA:**

**ADMINISTRATOR OF GROUNDWATER CODE**

**MONTANA WATER RESOURCES BOARD**

---

**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT A 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.

---

**Owner:** HARVEY HJ. KELLER

**Address:** BIG SANDY, MONTANA

**Contractor (if any):** SELF

**Address of Contractor:** BIG SANDY, MONTANA

---

**Date Started:** MAY 1973  
**Date Completed:** MAY 1973

---

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**

3. **Depth of water table**

   4 Feet

4. **Use of the water**

   Household and Stockwater

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

   $5 Gallons

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

   **Yard and Garden**

7. **Estimate amount of water used each year**

   1,576,800 Gallons

8. **Months of year spring flows**

   12 Months

---

**Signature of Owner:**

**Date:** JUNE 21 - 1973

---

**RECEIVED**

[Signature]

[Date]

---

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**MONTANA WATER RESOURCES BOARD**

---

**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT A 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.

---

**Owner:** HARVEY HJ. KELLER

**Address:** BIG SANDY, MONTANA

**Contractor (if any):** SELF

**Address of Contractor:** BIG SANDY, MONTANA

---

**Date Started:** MAY 1973  
**Date Completed:** MAY 1973

---

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**

3. **Depth of water table**

   4 Feet

4. **Use of the water**

   Household and Stockwater

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

   $5 Gallons

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

   **Yard and Garden**

7. **Estimate amount of water used each year**

   1,576,800 Gallons

8. **Months of year spring flows**

   12 Months

---

**Signature of Owner:**

**Date:** JUNE 21 - 1973

---

**RECEIVED**

[Signature]

[Date]

---

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**MONTANA WATER RESOURCES BOARD**

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**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT A WELL**

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**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.

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

---

**Owner:** HARVEY HJ. KELLER

**Address:** BIG SANDY, MONTANA

**Contractor (if any):** SELF

**Address of Contractor:** BIG SANDY, MONTANA

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**Date Started:** MAY 1973  
**Date Completed:** MAY 1973

---

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**

3. **Depth of water table**

   4 Feet

4. **Use of the water**

   Household and Stockwater

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

   $5 Gallons

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

   **Yard and Garden**

7. **Estimate amount of water used each year**

   1,576,800 Gallons

8. **Months of year spring flows**

   12 Months

---

**Signature of Owner:**

**Date:** JUNE 21 - 1973

---

**RECEIVED**

[Signature]

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

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

(Name of Appropriator) (Address) (Town)

County of Chouteau State of Montana

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

2. The beneficial use on which the claim is based

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

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

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

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

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

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year

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

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

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 School of Mines and Quadruplicate for the Appropriator.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 9/20/72

Owner: Harvey H. Keller
Address: Big Sandy, Montana 59520

Contractor (if any): Thomas E. Marshall
Address of Contractor: Big Sandy, Montana 59520

Date Started: 9/20/72, Date Completed: 9/25/72

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring 4' deep.

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.

3 gallons per minute into stock water tank, used 12 months per year.

---

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
STATE OF MONTANA
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 9/20/72 (amendment)
Owner. Harvey H. Keller
Address...Big Sandy, Montana...59520
Contractor (if any) Thomas R. Marshall
Address of Contractor Big Sandy, Montana 59520
Date Started. 9/20/72 Date Completed 9/25/72

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

E 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
gallons per minute into stock water tanks used months per year.

File No. Duplicate

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 Qudruplicate for the Appropiator.
NOTICE OF COMPLETION OF GROUNDWATER CONSTRUCTION WITHOUT WELL

Developed After January 1, 1969

(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.

Owner: HARVEY H. KELLER

Address: BIG SANDY, MONTANA

Contractor (if any): SELF

Address of Contractor: BIG SANDY, MONTANA

Date Started: MAY 1973, Date Completed: MAY 1973

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

3. Depth of water table: 1 Foot

4. Use of the water: Stockwater

5. Amount of groundwater claimed (in miner's inches or gallons per minute): 1 gallon

6. If used for irrigation, give number of acres and description of land: no irrigation

7. Estimate amount of water used each year: 525,600 Gallons

8. Months of year spring flows: 12 months

Signature of Owner: [Signature]

Date: JUNE 21, 1973
STATE OF MONTANA
COUNTY OF CHUTEAU

Filed: JUN 21, 1973
at 9:30 A.M.

County Clerk

By: Deputy

Fee: $5.00 Paid
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater —

Owner — Clara Keller

Address — Big Sandy, Montana

Contractor (if any) — None

Address of Contractor — None

Date Started — 1959

Date Completed — 1959

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

Outlet — 3 feet of water depth

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.

Approximately 3 gals per minute caught in a gallon can from pipe in the spring—Used from April to December for Livestock Water

Signature of Owner — Clara Keller

Date — December 18, 1963

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quaduplicate for the Appropriator.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater
Clara Keller
Owner
Address: Big Sandy, Montana
Contractor (if any) None
Address of Contractor None
Date Started 1959 Date Completed 1959

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

* out—3 feet of water depth

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:

3 gals per minute caught in a gallon can from pipe in the spring—Used from April to December for livestock water

Signature of Owner Clara Keller
December 18, 1969
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 School of Mines and quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Clara Keller, of Big Sandy, Mont.
   (Name of Appropriator) (Address) (Town)

County of Chouteau, 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 and Livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   1940--used year around

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
   5 gals 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
   None

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
   January 10, thru February 1, 1940

8. The depth of water table
   12 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
   18 inch casing -- 15 feet deep-- Electric Pump

10. The estimated amount of groundwater withdrawn each year
    250,000 gals per year

11. The log of formations encountered in the drilling of each well if available
    Black Soil--Blue Clay and sand

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

Signature of Owner

Date

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater ____________________________

Owner: W. Helvey, R. Berlinger

Address: 32nd St. N.

Contractor (if any) ____________________________________________________________________________

Address of Contractor ____________________________________________________________________________

Date Started: 12-7-67 Date Completed: 12-12-67

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

Collection

Spring, Collection

Box 6', deep x 30' cored drilled

Cistern, P. & P. 500 gal. 2' x 8' dia

Tank, Water, 2000 gal.

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:

Flood Irrigation: _______________ acres

Constant: _____________________

Measurement by ______________:_

Bucket

________________________________________

Signature of Owner: W. Helvey, R. Berlinger

Date: 1-30-68

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; quadruplicate for the Appropriator.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Dec. 30, 1963

Owner: II Ranch

Address: Big Sandy, Mont.

Contractor (if any): none

Address of Contractor: 

Date Started: 1959 Fall; Date Completed: Oct. 1959

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

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

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.

Signature of Owner: II Ranch, by: 

Date: Dec. 30, 1963

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
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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 wells are located.
Please answer all questions. If not applicable, so state, otherwise this form may be returned.

For Administrator's Use

File 37137
Date 21, 1972
GW 1

Owner: HARVEY N. KELLER
Address: BIG SANDS, MONTANA

Contractor (if any): BIG SANDS, MONTANA
Address of Contractor: BIG SANDS, MONTANA
Date Started: June 1972
Date Completed: June 1972

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

3. Depth of water table 1 Foot

4. Use of the water Stockwater

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 4 Gallons

6. If used for irrigation, give number of acres and description of land no irrigation

7. Estimate amount of water used each year 1,051,200 Gallons

8. Months of year spring flows 12 Months

Signature of Owner: HARVEY N. KELLER
Date: June 21, 1972