**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

**State of Montana**

**Administrator of Groundwater Code**

**Office of State Engineer**

**JAN 1964**

1. **Claw v. Tow**
   - (Name of Appropriator)
   - (Address)
   - County of **Big Horn**
   - 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) **10 gal per minute**

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for with-\[drawal 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 The estimated amount of groundwater withdrawn each year **200,000 gal**

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

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

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**Signature of Owner**

Date **12-30-62**

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 } ss.
County of Big Horn

The within instrument was filed
in my office at Hardin, Montana. this

DEC 3 1963 day of

A. D. 19

at \[8\] o'clock A.M.

[Signature]
County Recorder

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

Owner: J. VERNON STATES
Address: KIRBY ST. R.T.
SHERIDAN, WY 82801
Date well started: UNKNWN

Type of well: DAILED
Equipment used: CHEM DRAIN
Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe Pump Through Plastic Pipe Approx. 100 ft.
USE if used for irrigation, industrial, drainage or other. Explain,
state number of acres and location or other data (i.e. Lot, Block
and Addition).

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Site of</th>
<th>Size of</th>
<th>Depth</th>
<th>Top</th>
<th>Bottom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled Hole</td>
<td>Cut</td>
<td>Feet</td>
<td>Feet</td>
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</tbody>
</table>

Static water level: 40 ft. Pumping water level: 9 ft. at 11,000 gallons per minute, measured 15 minutes after pumping began.

*Measured from ground level.

Well developed by || for || hours.

Power: Electric Pump: 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature:)

Driller's Address:}

Show exact depth of bottom

LICENSE NO.

58,119
STATE OF MONTANA
County of Big Horn

The within instrument was filed in my office at Hardin, Montana, this

MAR 23, 1973 A.D. 19

9:05 o'clock AM.

County Recorder

Deputy
<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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<tbody>
<tr>
<td>3</td>
<td>Thomas, Jesse</td>
<td>Gw2</td>
<td>81/458</td>
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<tr>
<td>5</td>
<td>Higher Coal Co.</td>
<td>Gw2</td>
<td>23/256</td>
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<td>7</td>
<td>Appenz, Ernest F.</td>
<td>Gw1</td>
<td>30/425</td>
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<td>23/406</td>
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<td>Gw1</td>
<td>23/354</td>
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<td>Appenz, Chas. Gregg</td>
<td>Gw1</td>
<td>20/644</td>
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<td>24</td>
<td>Munson, Emmett</td>
<td>Gw3</td>
<td>29/900</td>
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<td>30</td>
<td>Munson, Emmett</td>
<td>Gw4</td>
<td>20/524</td>
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<td>Fred, Chas. W.</td>
<td>Gw4</td>
<td>20/457</td>
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Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Jesse Thomas  Address: Deckers Montana

Driller: Karl Pitka  Address: Sheridan Wyo

Date of Notice of Appropriation of Groundwater: 12/10/64  Date Completed: 1/8/65

Type of Well: Drilled  Equipment Used: Cable & Rais

Water Use: Domestic □  Municipal □  Other □  Irrigation □

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

Static Water Level for non-flowing Well: 6 ft

Shut-in Pressure for Flowing Well: 50 ft

Pumping Water Level: 4 ft at 105 gal. per minute

Discharge in gal. per min. of flowing well

How Tested: Pump  Length of Test: 4 Hrs

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

Show exact depth of bottom.

Location:

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

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

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

Driller’s License Number: 12131

Driller’s Signature:

28973
STATE OF MONTANA  ss.
County of Big Horn  ss.
The within instrument was filed
in my office at Hardin, Montana, this
JAN 25, 1965 day of
A. D. 19
at 9:20 o'clock A.M.

Johnny E. Case
County Recorder

By Robert Sample
Deputy
# Driller's Log

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

<table>
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<tr>
<th>Top of Ground</th>
<th>(Elev. above sea level)</th>
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<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Drill Hole 279-73</th>
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<tbody>
<tr>
<td>0</td>
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<td>100</td>
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</tbody>
</table>

- 0: Clay-brown sandy
- 26: Bedrock
- 47: Coal - DI Remnant
- 50: Shale - brown sand
- 60: Sand, dark gray
- 101: Coal B-P
- 132: Shale, gray
- 135: Sandstone
- 136: Shale, gray
- 151: Sandstone - 5 rows 12" long
- 156: Coal B-P
- 167: Shale, gray
- 169: Coal, gray
- 183: Sandstone, hard
- 187: Coal, gray
- 217: Coal - D-3 - water
- 239: Shale, gray
- 260: C.B.

**Owner**
- Decked Coal Company

**Address**
- P.O. Box 12
- Decked, Montana 99235

**Date well started**
- 3/18/73

**Date well completed**
- 3/19/73

**Type of Well**
- Drilled

**Equipment used**
- Rotary

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

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

**Estimated Annual Withdrawal**
- 500,000 gals.

**Estimated perforations**
- Vertical slits 5 rows 12" long

**Well developed by**
- for hours.

**Power**
- Pump: HP

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

**Static water level**
- 70 ft.

**Pumping water level**
- measured minutes after pumping

**Remainder**
- Show exact depth of bottom

**Driller's Signature**
- T.P. Wollenzien, Geologist

**Driller's Address**
- Peter Klaist Sons' Co., Mining Division
- P.O. Box 1746
- Sheridan, Wyoming 82801

License No.: Own equipment and personnel.

53,355
STATE OF MONTANA
County of Big Horn

The instrument was filed in my office at Hardin, Montana, this
MAY 8, 1973, day of
A.D., 19
at 9:22 o'clock A.M.

J. R. Lippin
County Recorder

Dorothy Jenck
Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Everett G. Powers

County of Big Horn 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: Each year during pasting season since Aug. 10, 1942

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 G.P.M.

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: Pump and gasoline motor

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: July 19, July 20, 1942

8. The depth of water table: Struck water at 95.75 ft. Static water level: 130

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: 1/2" casing 9 9/16" working barrel

10. The estimated amount of groundwater withdrawn each year: 750,000 gals.

11. The log of formations encountered in the drilling of each well if available: 0 to 5 feet Soil, 130 to 150 feet Rock, 255 to 275 feet 5 1/2 ft. 5 to 31 feet Sandstone, 150 to 170 feet Blue shale, 249 to 274 feet Coal, 31 to 90 feet Sandstone, 178 to 179 feet Rock, 274 feet bed of hole 90 to 135 feet Blue shale, 173 to 95 feet Blue 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: SCS office records

Signature of Owner: Everett G. Powers
Date: Nov. 12, 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

In my office at Big Horn, Montana, this 6th day of July, 1952.

I, B. W. Rankin, County Clerk, do hereby certify that the within instrument was filed with the County Clerk at Hardin, Montana, this 6th day of July, 1952.

B. W. Rankin
County Clerk
NOTICE OF APPROPRIATION OF GROUNDWATER
(Under Chapter 237, Montana Session Laws, 1961, as amended)

After filing a notice of appropriation, in order to acquire a right based thereon, the person must, within ninety (90) days, commence actual excavation and diligently prosecute construction of a well and, upon its completion, file a notice of completion with the County Clerk of the county in which the appropriation is located.

Three copies of this notice are to be filed 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 may be returned.

1. Decker Coal Company, of P. O. Box 746 - Sheridan (Name of Appropriator) 
   County of Sheridan, State of Wyoming, 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 sanitary water for construction.

3. The rate of use in gallons per minute or miner's inches of groundwater claimed is 30 g.p.m.

   The estimated amount of groundwater to be used annually is 30,000 gallons.

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

5. The probable or intended date of first beneficial use is July 23, 1971.

6. The probable or intended date of commencement and completion of the well or wells is May 1971, Hole 270-71.

7. The location, type, size and depth of well or wells contemplated is Section 10, T. 35 S., R. 40 W., 6-1/4 inch hole - 4 inch well casing to 150 feet.

8. The probable or estimated depth of the water-table or artesian aquifer is 110 feet.

9. The name, address, and license number of the driller engaged is Decker Coal Company equipment, and personnel.

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

Signature of Appropriator: DECKER COAL COMPANY - By: T. P. Wollenzien
Date: July 15, 1971

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

The within instrument was filed in my office at Hardin, Montana, this 

JUL 21 1971 A.D. 19

at 3:15 o'clock, P.M.

____________________________________
County Recorder

____________________________________
Deputy
State of Montana
Montana Water Resources Board
Notice of Completion of Groundwater Appropriation by Means of Well
Devolved after January 1, 1962
(Under Chapter 327, Montana Session Laws, 1961, as amended)

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

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

Owner: Decker Coal Company
Address: P.O. Box 746
Sheridan, Wyoming 82801

Date well started: 5/24/71
Date well completed: 5/25/71
Type of well: Drilled
Equipment used: Rotary
Water Use: Domestic □ Municipal □ Stock □ Irrigation □ Industrial □ Drainage □ Other □ Garden/Lawn □

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

Estimated Annual Withdrawal: 50,000 gal.

| Stage of Hole | Size and Weight of casing | From | To | PERFORATIONS
<table>
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<tbody>
<tr>
<td>6-1/4&quot;</td>
<td>4&quot; Steel heavy</td>
<td>0</td>
<td>140</td>
<td>Slits: 90</td>
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<td>140</td>
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</tbody>
</table>

Static water level: 27.46 ft.
Pumping water level: 32.21 ft.
at 31.6 g.p.m. 450 min. after pumping began.

*Measured from ground level.

Power: - HP

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

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

Driller's Signature: T.F. Wollenzien, Geologist
Driller's Address: Decker Coal Company - Box 746
Sheridan, Wyoming 82801

License No. 130

Top of Ground

<table>
<thead>
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<th>From</th>
<th>To</th>
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<td>135</td>
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<td>138</td>
<td>139</td>
</tr>
<tr>
<td>139</td>
<td>140</td>
</tr>
</tbody>
</table>

160 feet: Show exact depth of bottom

49775
STATE OF MONTANA
County of Big Horn

The within instrument was filed
in my office at Hardin, Montana, this
day of

JUL 21 1971 A.D. 19

at 9:20 o'clock A.M.

[Signature]
County Recorder

BennyTemple, Deputy

[Table and details]
NOTICE OF APPROPRIATION OF GROUNDWATER
(Under Chapter 237, Montana Session Laws, 1961, as amended)

After filing a notice of appropriation, in order to acquire a right based thereon, the person must, within ninety (90) days, commence actual excavation and diligently prosecute construction of a well and, upon its completion, file a notice of completion with the County Clerk of the county in which the appropriation is located.

Three copies of this notice are to be filed 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 may be returned.

1. Name of Appropriator: Decker Coal Company
   Address: P.O. Box 746
   Town: Sheridan
   County: Sheridan
   State of Wyoming

   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 Fire Protection, Equipment maintenance, sanitation

3. The rate of use in gallons per minute or miner's inches of groundwater claimed 30 gpm

   The estimated amount of groundwater to be used annually 5 million gal.

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

5. The probable or intended date of first beneficial use January 1, 1972

6. The probable or intended date of commencement and completion of the well* or wells*
   October 1971
   Hole 270A-71

7. The location, type, size and depth of well or wells contemplated 55 inch to 150 Feet

8. The probable or estimated depth of the water-table or artesian aquifer 125 Feet

9. The name, address, and license number of the driller engaged C. T. Reid
   446 East Mt. View Drive, Sheridan, Wyoming 82801
   License No. 50

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

   This well water will be used for fire protection and sanitary facilities at the Decker Coal Company Mining Operation at
   Decker, Montana

   LOCATE WELL OR OTHER MEANS OF DEVELOPMENT AS ACCURATELY AS POSSIBLE ON THE PLAT.

   For Administrator's Use
   File 240461
   November 9, 1971

   Signature of Appropriator
   T. P. Wollenzien - DECKER COAL CO.
   Date Nov. 4, 1971

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

The within instrument was filed in my office at Hardin, Montana, this

NOV 9, 1971 A.D. 19

at 8:05 o'clock A.M.

Joyce Lipsett
County Recorder

By: Ray Wemple Deputy
**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL**

Developed after January 1, 1962

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

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

**Owner:** Deckers Coal Co.

**Address:** P.O. Box 746

Sheridan, Wyoming 82801

Date well started: **10-5-71**

Top of Ground: **-0.25 ft.**

**Type of well:** Drilled

**Equipment used:** Rotary

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

Industrial [ ] Drainage [ ] Other [ ] Garden/Lawn [ ]

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

---

**ESTIMATED ANNUAL WITHDRAWAL** 5 Million Gal

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Wall of Casing (Feet)</th>
<th>From</th>
<th>To</th>
<th>PErFORATIONS</th>
</tr>
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<tbody>
<tr>
<td>9&quot;</td>
<td>7&quot; Steel</td>
<td>0</td>
<td>40</td>
<td>Vert. Slits</td>
</tr>
<tr>
<td>8&quot;</td>
<td>5&quot; PVC</td>
<td>40</td>
<td>160</td>
<td></td>
</tr>
</tbody>
</table>

**PERFORATIONS**

<table>
<thead>
<tr>
<th>Kind</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;br&gt;Vert.</td>
<td>60</td>
<td>160</td>
</tr>
<tr>
<td>Slits</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Static water level:** 23 ft.

**Pumping water level:** 29 ft.

**of:** 20 gallons per minute.

**measured 60 minutes after pumping began.**

*Measured from ground level.

Well developed by **Pumping** for 6.5 hours.

**Power:** 220 volt

**Pump:** 5 HP

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

**Surface casing cemented:** 18 in.

**POWER**

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

**Driller's Signature:** C.T. Reid

**Driller's Address:** 446 East Mountain View Drive

**Sheridan, Wyoming 82801**

**LICENSE NO.:** 90
STATE OF MONTANA
County of Big Horn
The within instrument was filed
in my office at Hardin, Montana, this

NOV 9 1971 A.D. 19

X: 10 A.M.

George Caprist
County Recorder

By: Deputy Recorder

<table>
<thead>
<tr>
<th>Page 1</th>
<th>Page 2</th>
<th>Page 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Column 1</td>
<td>Column 2</td>
<td>Column 3</td>
</tr>
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<td>Data 2</td>
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</tr>
<tr>
<td>Data 10</td>
<td>Data 11</td>
<td>Data 12</td>
</tr>
</tbody>
</table>

(Additional columns and data entries)

(continued on next page)
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Charles G. Peterson, of Kirby
County of Big Horn 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
   No. 1, Stock 10A, House Use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   Jan 1, 1944

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
   No. 1, 7 GPM
   No. 2, 10 GPM

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   No. 1, Electric, No. 2, Electric

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   No. 1, Sept 1944

8. The depth of water table
   No. 1, 10
   No. 2, 50

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
   No. 1, 2 1/2 in., 100 ft., Cased with pipe
   No. 2, Drilled 100 ft., 6 in., 18 ft. casing,

10. The estimated amount of groundwater withdrawn each year
    No. 1, 70,000 gal
    No. 2, 100,000 gal

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

12. Such other information as may be useful in carrying out the policy of this act, including reference to mining, oil or gas company record

Signature of Owner:

Date: 12-29-63

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.
STATE OF MONTANA
ss. County of Big Horn

The within instrument was filed in my office at Hardin, Montana, this day of 

DEC 5 1969 A.D. 19

at 8 o'clock A.M.

Harry E. C_

County Recorder

By: Rollin Smith, Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
NOTICE OF APPROPRIATION OF GROUNDWATER
(Under Chapter 237, Montana Session Laws, 1961, as amended)

After filing a notice of appropriation, in order to acquire a right based thereon, the person must, within ninety (90) days, commence actual excavation and diligently prosecute construction of a well and, upon its completion, file a notice of completion with the County Clerk of the county in which the appropriation is located.

Three copies of this notice are to be filed 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 may be returned.

1. 1. Decke Coal Company
   (Name of Appropriator)
   Box 12 - Decke
   (Address) (Town)

   County of Big Horn, 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 dust control.

3. The rate of use in gallons per minute or miner's inches of groundwater claimed 50 gpm

The estimated amount of groundwater to be used annually 1,000,000 gals.

4. The annual period (inclusive dates) of intended use May 1 to December 1

5. The probable or intended date of first beneficial use June 1, 1973

6. The probable or intended date of commencement and completion of the well or wells April 20, 1973

7. The location, type, size and depth of well or wells contemplated Sec. 15, T. 9 S., R. 40 E., at secondary crusher - 6" to 300 ft. (Drill Hole No. 285-73)

8. The probable or estimated depth of the water-table or artesian aquifer 250 feet

9. The name, address, and license number of the driller engaged Peter Kiewit Sons' Co., Mining Division, Sheridan, Wyoming - Company equipment and personnel.

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

   water to be used for coal dust control at coal crushers

For Administrator’s Use

File 239959
May 8, 1973

Signature of Appropriator

T. F. Collins, Geologist for Decke Coal Co.

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

County of Big Horn

The within instrument was filed
in my office at Hardin, Montana, this
MAY 8, 1973, day of

A.D. 19

9:25 o'clock A.M.

Jane Dixon
County Recorder

[Handwritten text]
NOTICE OF APPROPRIATION OF GROUNDWATER
(Under Chapter 237, Montana Session Laws, 1961, as amended)

After filing a notice of appropriation, in order to acquire a right based thereon, the person must, within ninety (90) days, commence actual excavation and diligently prosecute construction of a well and, upon its completion, file a notice of completion with the County Clerk of the county in which the appropriation is located.

Three copies of this notice are to be filed 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 may be returned.

1. Name of Appropriator
   Decker Coal Company
   (Name of Appropriator)
   of Box 746 - Sheridan
   (Address)

2. County of
   Sheridan
   (County of Appropriation)

3. State of
   Wyoming
   (State of Appropriation)

4. Intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

5. The beneficial use to which water is to be applied is sanitary and fire protection.

6. The rate of use in gallons per minute or miner's inches of groundwater claimed
   30. G.P.M.

7. The estimated amount of groundwater to be used annually
   5,000,000 gallons

8. The annual period (inclusive dates) of intended use
   All year

9. The probable or intended date of first beneficial use
   October 1971

10. The probable or intended date of commencement and completion of the well or wells
    Commence July 5, 1971 - Holes 257-71

11. The location, type, size and depth of well or wells contemplated
    5 inch to 150 feet

12. The probable or estimated depth of the water-table or artesian aquifer
    125 feet

13. The name, address, and license number of the driller engaged
    T. P. Wollenzien, Geologist

14. Give such other similar information as may be useful in carrying out the policy of this act
    *This well will be used for sanitary
     use. Wash and fire protection water for
     the Decker Coal Company mining operation
     at Decker, Montana

For Administrator's Use

Signature of Appropriator

T. P. Wollenzien, Geologist

Date

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

The within instrument was filed in my office at Hardin, Montana, this
JUL 2.1 1871.

A D. 19.

at o'clock o'clock AM.

County Recorder

Deputy
**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**MONTANA WATER RESOURCES BOARD**

**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL**

Developed after January 1, 1962

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

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

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

**Owner:** Decker Coal Company

**Address:** P. O. Box 746

**File:** 235448

**Sheridan, Wyo. 82801**

**Date well started:** April 3, 1972

**Date well completed:** April 6, 1972

**Type of well:** Drilled

**Equipment used:** Rotary

**Water Use:** Domestic □ Municipal □ Stock □ Irrigation □

**Irrigation and water use:** Land reclamation consisting of revegetation of spoil banks from coal surface mining

Describe operation:

**USE:** If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (e.g. Lot, Block, 600 acres, more or less, in part of and Addition) Sec. 15-6, T. S., R. E.

Big Horn County, Mont.

**ESTIMATED ANNUAL WITHDRAWAL:** 33,000 M. Gal., desalting coal mountains.

**Top of Ground (Elev. above sea level):**

<table>
<thead>
<tr>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>48</td>
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<tr>
<td>48</td>
<td>53</td>
</tr>
<tr>
<td>53</td>
<td>Total depth</td>
</tr>
</tbody>
</table>

**Top 12' Dia.:** Solid Coal vein and shale rock, casing not necessary

**Bottom 12' Dia.:**

- Static water level: 2 ft.
- Pumping water level: 38 ft.
- at: 143 A.V., 600 gallons per minute, measured 600 minutes after pumping began.

*Measured from ground level.

Well developed by: 10 hours.

Power: HP

Remarks: Gravel packing, cementing, packers, type of shutoff: None

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

Each small square represents 40 acres.

**Driller's Signature:**

**Driller's Address:** P. O. Box 746 - Sheridan, Wyoming

**LICENSE NO.:** 53

**Show exact depth of bottom:** 50,240

**RECEIVED** County: Big Horn 15 APR. 20 1972
235448

FILE OF MUNICIPAL
County of Big Horn
The within instrument was filed
in this office at Hardin, Montana, this
APR 17, 1972, day of

A.D. 19


Joyce Lippert
County Recorder

Alden Smith
As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater.

Special Instructions:

Please provide, as indicated in red on the enclosed form, the well driller and license number.

Thank you.

50, 240
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
NOTICE OF APPROPRIATION OF GROUNDWATER
(Under Chapter 237, Montana Session Laws, 1961, as amended)

After filing a notice of appropriation, in order to acquire a right based thereon, the person must, within ninety (90) days, commence actual excavation and diligently prosecute construction of a well and, upon its completion, file a notice of completion with the County Clerk of the county in which the appropriation is located.

Three copies of this notice are to be filed 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 may be returned.

1. **(Name of Appropriator)**
   - **(Address)**
   - **(Town)**
   - **(County of)**
   - **(State of)**
   - **(Name of Appropirator)**
   - **(Address)**
   - **(Town)**
   - **(County of)**
   - **(State of)**
   - **(Name of Appropirator)**
   - **(Address)**
   - **(Town)**
   - **(County of)**
   - **(State of)**

2. The beneficial use to which water is to be applied is **irrigation and watering for land reclamation purposes, fire protection and dust control on mine haul road.**

3. The estimated amount of ground water to be used annually **5,000,000 gallons.**

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

5. The probable or intended date of first beneficial use **May 1, 1972.**

6. Commence **April 1972**, complete **May 1972.**

7. The location, type, size and depth of well contemplated **36 inch diameter hole through coal seam, 50 ft. depth.**

8. The probable or estimated depth of the water-table or artesian aquifer **35 feet, more or less.**

9. The name, address, and license number of the driller engaged **Decker Coal Company,** drilling equipment and personnel.

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

   **Land Reclamation consisting of revegetation of spoil banks from coal stripping operations for Decker Coal Company’s mining operation,**

   **Decker, Montana.**

   **For Administrator’s Use**
   - **File 235044 March 6, 1972**
   - **9:35 a.m.**

   **DECKER COAL COMPANY**
   - **Signature of Appropriator**
   - **Date March 2, 1972**

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

Count of Big Horn

In the name of the court of Hardin, Montana, this

235044

MAR 6, 1972 A.D. 19

9:35 A.M.

County Recorder

Deputy
AMENDED DOCUMENT

File 256045 Dated April 17, 1972

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

Owner: Decker Coal Company

For Administrator's Use

Address: P.O. Box 746

File #: 236012

Sheridan, Wyo. 82801

Date well started: May 15, 1972

Completed: June 1, 1972

Type of well: Dug

Equipment used: 3/4 cu. yd. clam bucket

Water Use: Domestic □ Municipal □ Stock □ Irrigation □

Industrial □ Drainage □ Other □ Garden/Lawn □

Irrigation & watering for land reclamation consisting of spoil banks from coal mining operation.

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block 800 acres, more or less, in part of and Addition). Sec. 15, Block 43, Township 922, Big Horn County, Montana.

Estimated Annual Withdrawal: 35,000 M. Gal. (watering) 7,500 M. Gal. (dewatering)

Open Pit 0 19

72" C.H. Pipe

19 55 60 Holes

1st Dia. 3 9

Top of Ground (Bliv. above see level) 3436

From (Feet) To (Feet)

0 48 Solid Coal

53 63 Blue shale

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

Driller's Signature:

Lee O'Brien, Construction Supt.

Driller's Address: P.O. Box 746, Sheridan, Wyoming.

Note: Well was dug with company equipment and personnel on company's land.

LICENSE # None required

Show exact depth of bottom 53 580
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
NOTICE OF APPROPRIATION OF GROUNDWATER
(Under Chapter 237, Montana Session Laws, 1961, as amended)

After filing a notice of appropriation, in order to acquire a right based thereon, the person must, within ninety (90) days, commence actual excavation and diligently prosecute construction of a well and, upon its completion, file a notice of completion with the County Clerk of the county in which the appropriation is located.

Three copies of this notice are to be filed 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 may be returned.

1. I, Decker Coal Company, of P. O. Box 746, Sheridan, Wyo. 82801
   (Name of Appropiiator) (Address) (Town)

   County of Sheridan, State of Wyoming, 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 irrigation and watering for land reclamation purposes, fire protection, and dust control on mine haul roads.

3. The rate of use in gallons per minute or miner's inches of groundwater claimed 25 GPM

   The estimated amount of groundwater to be used annually 5,000,000 gallons

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

5. The probable or intended date of first beneficial use May, 1972

6. The probable or intended date of commencement and completion of the well* or wells*
   Commence April 1972 - Complete May 1972

7. The location, type, size and depth of well or wells contemplated 150 ft. x 250 ft. area, 100 ft. total depth (See attached sketch map)

8. The probable or estimated depth of the water-table or artesian aquifer 75 feet

9. The name, address, and license number of the driller engaged Decker Coal Company, own equipment and personnel.

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

   Land Reclamation consisting of revegetation of spoil banks from coal stripping operations for Decker Coal Company mining operation.

Decker, Montana.

For Administrator's Use

File 235043 March 6, 1972

For Decker Coal Company

Signature of Appropriate George A. Nugent, General Manager

*As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation into the earth, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.
Figure 1. Decker Coal Company test pit showing location of experimental plots.

SEEDED AREAS
A - Cheatgrass Trials
B - Mixture Seeding (Fall)
C - Shrub Seeding
D - Mixture Seeding (Spring)

Remaining area seeded in fall, 1971

Remarks: Water for use in conjunction with Decker Coal Company's Reclamation Plan.
STATE OF MONTANA | §
County of Big Horn | §
The within instrument was filed
in my office at Hardin, Montana, this

MAR 6 1972

9:19

Jasper Lippard
County Recorder
By: Baty Krempel, Deputy
**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL**

*STATE OF MONTANA*

**ADMINISTRATOR OF GROUNDWATER CODE**

**MONTANA WATER RESOURCES BOARD**

*Developed after January 1, 1962*

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

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

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

**Owner**: Deckert Coal Company

**Address**: P.O. Box 746, Sheridan, Wyoming 82801

**Date well started**: April 15, 1972

**Date well completed**: June 6, 1972

**Type of well**: Dug

**Equipment used**: Scrapers and 12 cu. yd. Drag bucket (Chin drill, rotary or other)

**Water Use**: Domestic □, Municipal □, Stock □, Irrigation □

**Irrigation and watering for land reclamation purposes, fire protection, and dust control on mine haul roads**: Use: If used for irrigation, industrial, drainage or other. Explain state number of acres and location or other data (i.e. Lot, Block, 600 acres, more or less, in part of and Addition, Sec. 16 E 1/2, 23S - R24E)

**Estimate annual withdrawal**: 16,000 M. Gal.

<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>Open Pit 380' x 480'</td>
<td>-</td>
<td>0</td>
<td>51</td>
<td>None</td>
</tr>
<tr>
<td>Open Pit 170' x 200'</td>
<td>-</td>
<td>51</td>
<td>103</td>
<td>None</td>
</tr>
<tr>
<td>Casing not necessary</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(See attached sketch map)

**Top of Ground (Elev. above sea level) 3472**

<table>
<thead>
<tr>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>21</td>
</tr>
<tr>
<td>21</td>
<td>51</td>
</tr>
<tr>
<td>51</td>
<td>103</td>
</tr>
</tbody>
</table>

**Type of Well**: Brown colored silt

**Grey colored shale**

**Coal**

**County of Big Horn**

**Driller's Log**

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

**Driller's Address**: P.O. Box 746, Sheridan, Wyoming

**Remarks**: Well was dug with company equipment and personnel on company's land.

License No. None required.
TO ACCOMPANY NOTICE OF COMPLETION OF GROUND WATER APPROPRIATION BY MEANS OF WELL

SEEDED AREAS
A - Wheatgrass Trials
B - Mixture Seeding (Fall)
C - Shrub Seeding
D - Mixture Seeding (Spring)

Remaining area seeded in fall, 1971

Remarks: Water for use in conjunction with Becker Coal Company’s Reclamation Plan.

Figure 1. Becker Coal Company test pit showing location of experimental plots.

No Scale

6/5/72
STATE OF MONTANA
County of Big Horn

The within instrument was filed
in my office at Hardin, Montana, this

day of

JUN 9 1972 A.D. 19

At 5-0’clock P.M.

Doyce Lippet
County Recorder

Deputy Marshal

JUNE 1, 1972
**M. Leg for water well for Jess Thomas Decker Bar**

**Decker Montana**

**IN ACCOUNT WITH**

**Carl Ritola**

**LOCAL WATER WELL DRILLER**

929 South Main Street

<table>
<thead>
<tr>
<th>Depth</th>
<th>Material</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 ft</td>
<td>Clay</td>
<td>12 ft</td>
</tr>
<tr>
<td>30 ft</td>
<td>Sand</td>
<td>42 ft</td>
</tr>
<tr>
<td>2 ft</td>
<td>Rock</td>
<td>44 ft</td>
</tr>
<tr>
<td>11 ft</td>
<td>Sand</td>
<td>55 ft</td>
</tr>
<tr>
<td>7 ft</td>
<td>Rock</td>
<td>58 ft</td>
</tr>
<tr>
<td>20 ft</td>
<td>Sand</td>
<td>78 ft</td>
</tr>
<tr>
<td>1 ft</td>
<td>Rock</td>
<td>79 ft</td>
</tr>
<tr>
<td>30 ft</td>
<td>Sand</td>
<td>109 ft</td>
</tr>
<tr>
<td>3 ft</td>
<td>Rock</td>
<td>112 ft</td>
</tr>
<tr>
<td>6 ft</td>
<td>Sand water seep</td>
<td>120 ft</td>
</tr>
<tr>
<td>43 ft</td>
<td>Sand</td>
<td>162 ft</td>
</tr>
<tr>
<td>14 ft</td>
<td>Blue Shale</td>
<td>177 ft</td>
</tr>
<tr>
<td>9 ft</td>
<td>Sand water seep</td>
<td>186 ft</td>
</tr>
<tr>
<td>12 ft</td>
<td>Coal</td>
<td>195 ft</td>
</tr>
<tr>
<td>29 ft</td>
<td>Coal Water Bearing</td>
<td>227 ft</td>
</tr>
</tbody>
</table>

The well is to 195 ft with 4½ inch galv casing with packer coupling at 191 ft and mud & velselay mixed all up outside casing 34 ft uncased at Bottom. The well was tested at 5 gals per minute at 190 feet level and the static water level is 117 ft.
Notice of Completion of Groundwater Appropriation by Means of a Well
(Under Chapter 237, Montana Session Laws, 1961)

[Owner Information]

Date of Notice of Appropriation of Groundwater

Date well started...3/22/63. Date Completed....3/27/63

Type of well...Drilled. Equipment Used...2V Supper
(Churn, drill, rotary or drilled)

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

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 (Feet)</th>
<th>Size and Weight of Casing (Feet)</th>
<th>From</th>
<th>To</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot; to 190 ft</td>
<td>4&quot; from 190 11# Galv.</td>
<td>0 ft</td>
<td>192 ft</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well 117 ft

Shut-in Pressure for Flowing Well

Pumping Water Level...190 ft...feet at...5...gal. per minute.

Discharge in gal. per min. of flowing well

How Tested...Bailer...Length of Test...2 Hrs

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).

Shutoff at 191 ft with packer coupling
and mud & Velolay mixed all the way up

No 133
Driller's License Number

Driller's Signature

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Apprropriator.
STATE OF MONTANA
County of Big Horn

The within instrument was filed in my office at Hardin, Montana, this 12 APR 1963 day of
A.D. 19_

11:25 o'clock AM.

By
County Recorder

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

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

Notice of Appropriation of Groundwater

Date of Notice of Appropriation of Groundwater: 5/20/64

Date well started: 5/19/64

Date Completed: 5/20/64

Type of Well Drilled: Pumice (dig, driven, bored or drilled)

Equipment Used: Spudder (Churn, drill, rotary or other)

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

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

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

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

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

Driller's License Number

Driller's Signature
STATE OF MONTANA

County of Big Horn

The within instrument was filed in my office at Hardin, Montana, this MAY 29, 1964 day of

A. D. 19

at 8:00 o'clock A.M.

[Signature]

County Recorder

By [Signature]

Deputy
**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1966)

**Owner:** Emmett Munson  
**Address:** Deckerton, N.Y.

**Driller:** Carl Ricketts  
**Address:** Sheridan, Wyo.

**Date of Notice of Appropriation of Groundwater:** September 6, 1966  
**Date Completed:** September 8, 1966

**Type of Well Drilled:**  
**Equipment Used:**

- **Equipment Used:** Packer
- **Equipment Used:** Other

**Water Use:**
- **Domestic**
- **Municipal**
- **Industrial**
- **Drainage**
- **Stock**
- **Irrigation**

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

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Size and Weight of Casing</th>
<th>From (ft)</th>
<th>To (ft)</th>
<th>Kind of Borehole</th>
<th>From (ft)</th>
<th>To (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>4½ OD 11ft, 22 ft staggered</td>
<td>0</td>
<td>40</td>
<td>Static Water Level for non-flowing Well</td>
<td>15</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Shut-in Pressure for Flowing Well</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Pumping Water Level</td>
<td>30 ft per cent</td>
<td>36 gal per minute</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Discharge in gal. per min. of flowing well</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>How Tested</td>
<td>2 Hrs</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other pertinent information, including number of acres irrigated, if used for irrigation)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**
- **Gravel packer:** All the way with the casing.

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
FILE No.

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Name of Appropriator
   [Name of Appropriator]
   (Address)

2. County of ________ State of ________
   [County]
   [State]

3. The beneficial use on which the claim is based
   [Beneficial Use]

4. Date or approximate date of earliest beneficial use; and how continuous the use has been
   [Date]
   [Continuous Use]

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

6. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
   [Acreage]
   [Owner]

7. The depth of water table
   [Depth]

8. The estimated amount of groundwater withdrawn each year
   [Amount]

9. The NPC of formations encountered in the drilling of each well if available
   [Formations]

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

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.
STATE OF MONTANA

County of Big Horn

The within instrument was filed in my office at Hardin, Montana, this 24th day of DEC. 1963, A. D. 1963.

at 8:40 o'clock A.M.

[Signature]
County Recorder

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

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

1. Everett G. Powers
   (Name of Appropriator)
   of
   (Address)
   in
   (Town)
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Sept. 1st, 1961
   in use 9 months of each year

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 18 qts. 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: 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:
   Electric Pump (Submerged)

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Aug. 15th - Aug. 18th, 1961

8. The depth of water table: Found water in coal at 225 ft. water raises in well to static level of 100 ft.

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

   2.38' depth of well; Submersible electric pump at a depth of 150 ft. 3 800 gal. tanks.

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

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

   6-10 Sandstone 122-125 Rock
   15-110 Banded 132-135 Blue Stone
   1.6-12 Top Soil 140-142 Blue Stone

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: Everett G. Powers
Date: Nov. 12, 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.

1238
STATE OF MONTANA
County of Big Horn ss.
The within instrument was filed in my office at Hardin, Montana, this
NOV 1 8 1963 day of A. D. 19__

At 1.05 o'clock P.M.

By

Deputy
File No. 

DUPLICATE

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Owner: Tessa
   (Name of Appropriator)
   (Address)
   (Town)
   County of: Big Horn
   State of: Montana

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

3. Date or approximate date of earliest beneficial use: 1946

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 40 gal./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: 10 acres

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Not Known

8. The depth of water table: Not Known

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 Known

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: Not Available

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

Signature of Owner: Tessa

Date: 1-3-67

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.

26783
STATE OF MONTANA
County of Big Horn

The within instrument was filed in my office at Hardin, Montana, this
DEC 31, 1963, day of
______________
A.D. 19

at ___________ o'clock P.M.

Harry S. Cox
County Recorder

By: Richard Smith, Deputy
<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>22</td>
<td>Oelen, Willia M.</td>
<td>G24</td>
<td>2010440</td>
<td></td>
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</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)

STATE ENGINEER

1. William E. Elder
   (Name of Appropriator)
   of Decker
   (Address)
   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 well

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
       July 61

   4. The amount of groundwater claimed (in miner's inches or gallons per minute)
       9 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
       Cyl. pump & engine

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
       July 61

   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
       4" diam. casing 25' deep

   10. The estimated amount of groundwater withdrawn each year
       150,000 gal.

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

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

   Signature of Owner
   William E. Elder
   Date 12-30-63

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

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

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

The within instrument was filed in my office at Hardin, Montana, this 

DEC 31 1969 day of

A.D. 19

at 9:25 o'clock A.M.

Henry E. Coe
County Recorder

Patsy W. Wrigley  Deputy
<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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</thead>
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<tr>
<td>20</td>
<td>Wooten, E. Th.</td>
<td>GUY</td>
<td>206434</td>
<td></td>
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<tr>
<td>21</td>
<td>Mullen, John</td>
<td>GUY</td>
<td>206197</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Mullen, James</td>
<td>G04</td>
<td>206198</td>
<td></td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1901)

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
   \( \text{Domestic use} \)

3. Date or approximate date of earliest beneficial use; and how continuous the use has been \( 1937 \) to \( 1962 \)

4. The amount of groundwater claimed (in miner's inches or gallons per minute) \( 18.00 \) gallon average \( 12 \) 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 \( 1937 \)

8. The depth of water table \( 22.6 \)

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

   \( \text{Block 5 North of Line and 22.2 North Deep} \)

10. The estimated amount of groundwater withdrawn each year \( 11 \) acre

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: \( \text{E.M. Westerman} \)
Date: \( \text{Feb. 3, 1963} \)

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 Big Horn

The within instrument was filed in my office at Harcian, Montana, this

DEC 3 O 1933 day of

A.D. 15

at 5:30 o'clock P.M.

[Signature]
County Recorder

By [Signature], Deputy
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Simon Muller
   (Name of Appropriator) of Big Lawn
   (Address) (Town)
   County of Big Horn
   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 since then

   4. The amount of groundwater claimed (in miner’s inches or gallons per minute)
   Well: 15 gallons per minute
   Spring: 1 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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   Well located on
   Drilled well
   Well completed in 1962

   8. The depth of water table
   Spring: 30 feet
   Drilled well: 60 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

   10. The estimated amount of groundwater withdrawn each year
   600,000 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: Simon Muller
   Date: Dec. 20, 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 School of Mines; and Quadruplicate for the Appropriator.
1. **Declaration of Water Groundwater Rights**

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

(Under Chapter 237, Montana Session Laws, 1961)

**STATE ENGINEER**

**DECLARATION OF WATER GROUNDWATER RIGHTS**

1. **Name of Appropriator:** Simon Muller
   **Address:** 1010 Deckers
   **Town:** Big Horn
   **County:** Big Horn
   **State of Montana:**

2. The beneficial use on which the claim is based: **Stock-water and irrigation**.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since then: **1922**, **continuous use since then**.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **17 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: **3 acres irrigated unit, 214 Sec 35 T 17 S R 42 E**.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **September 1922**.

8. The depth of water table: **89 feet**.

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

10. The estimated amount of groundwater withdrawn each year: **400,000 gallons**.

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

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: **Rock**.

**Signature of Owner:** Simon Muller

**Date:** 12-20-63

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.
STATE OF MONTANA  
County of Big Horn  
The within instrument was filed  
in my office at Hardin, Montana, this  
DEC 2 0 1953  
day of  
A. D. 19  
at 9:00 o'clock P.M.,  

County Recorder  
By  

Deputy