<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>29</td>
<td>Ching, Allan &amp; Lone</td>
<td>1958</td>
<td>164815</td>
<td></td>
</tr>
</tbody>
</table>
# Water Well Log

**Owner:** Paul Brown  
**Address:** Forsyth  
**Driller:** Charlie Turner  
**Address:** Forsyth  
**Date Started:** Montana  
**Date Completed:** 26-1968

**Type of well:** Drilled  
**Equipment used:** Cable tool  
**Water use:** Domestic [ ]  Municipal [ ]  Stock [ ]  Irrigation [ ]  Industrial [ ]  Drainage [ ]  Other: [ ]

<table>
<thead>
<tr>
<th>Casing:</th>
<th>1 ft. to 100 ft.</th>
<th>Type</th>
<th>18 gauge</th>
<th>Size</th>
<th>6 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing:</td>
<td>100 ft. to 245 ft.</td>
<td>Type</td>
<td>20 gauge</td>
<td>Size</td>
<td>6 in.</td>
</tr>
<tr>
<td>Casing:</td>
<td>245 ft. to 280 ft.</td>
<td>Type</td>
<td>20 gauge</td>
<td>Size</td>
<td>6 in.</td>
</tr>
</tbody>
</table>

**Perforated or Screened:** 221 ft. to 236 ft.  
**Type of screen or perforations:** N/a  
**Static Water level, for non-flowing well:** 50 feet  
**Shut-in pressure, for flowing well:** 20 lb./sq. in. on:  
**Pumping water level:** 195 feet at 20 gal. per min.  
**How tested:** 22 gal.  
**Length of test:** 3 days  
**Remarks:** Gravel packing, cementing, packers, type of shut-off, depth of shut-off

---

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>10</td>
<td>16</td>
</tr>
<tr>
<td>16</td>
<td>90</td>
</tr>
<tr>
<td>90</td>
<td>160</td>
</tr>
<tr>
<td>160</td>
<td>180</td>
</tr>
<tr>
<td>180</td>
<td>185</td>
</tr>
<tr>
<td>185</td>
<td>210</td>
</tr>
<tr>
<td>210</td>
<td>245</td>
</tr>
<tr>
<td>Sec.</td>
<td>Name of Appropriator</td>
</tr>
<tr>
<td>------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>10</td>
<td>Indian Health Services</td>
</tr>
</tbody>
</table>
**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL**

Developed after January 1, 1962

(See 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.

**Indian Health Service**

**Owner**: 

**Address**: 

**Date well started**: 10-2-70

**Type of well**: Drilled

**Equipment used**: Churn drill

**Water Use**: Stock

**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**: 700,000 gal.

<table>
<thead>
<tr>
<th>Depth of Hole</th>
<th>Depth and Weight of Casings</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>Kind</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6'</td>
<td>6 1/2'10'</td>
<td>18.2'</td>
<td>18'</td>
<td>52</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Static water level: 19.5 ft
- Pumping water level: 19.5 ft
- at: 100 gallons per minute, measured 10 minutes after pumping began.
- Measured from ground level.
- Well developed by 
- Power: Pump
- Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

**Each small square represents 40 acres.**

**Driller's Signature**

**Driller's Address**: F.O. Box 1053, Dillon, Montana 59725

**LICENSE NO**: 48021

---

**STATE OF MONTANA**

**MONTANA WATER RESOURCES BOARD**

**RECEIVED** JAN 18 1971

**DRILLER'S LOG**

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.
<table>
<thead>
<tr>
<th>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>25</td>
<td>Floydland, Richard B.</td>
<td>GW3</td>
<td>204559</td>
<td></td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1957
RICHARD B. HOVLAND
Owner: Address: Hardin, Montana
Contractor (if any): None
Address of Contractor: None
Date Started: 1957
Date Completed: 1957

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

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:
Date: December 31, 1963

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
STATE OF MONTANA  
County of Big Horn  
The within instrument was filed  
in my office at Hardin, Montana, the  

DEC. 31, 1969, day of:  

A. D. 19  

36 o'clock P.M.  

Henry Cog.  
County Recorder  

N.E. Smith
<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>6</td>
<td>Ayer Land Co.</td>
<td>GW3</td>
<td>206566</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Ayer Land Co.</td>
<td>GW3</td>
<td>206567</td>
<td>Remarks</td>
</tr>
<tr>
<td>16</td>
<td>Ayer Land Co.</td>
<td>GW3</td>
<td>206568</td>
<td>Remarks</td>
</tr>
<tr>
<td>17</td>
<td>Ayer Land Co.</td>
<td>GW3</td>
<td>206569</td>
<td>Remarks</td>
</tr>
<tr>
<td>18</td>
<td>Ayer Land Co.</td>
<td>GW3</td>
<td>206570</td>
<td>Remarks</td>
</tr>
<tr>
<td>19</td>
<td>Ayer Land Co.</td>
<td>GW3</td>
<td>206571</td>
<td>Remarks</td>
</tr>
<tr>
<td>20</td>
<td>Ayer Land Co.</td>
<td>GW3</td>
<td>206572</td>
<td>Remarks</td>
</tr>
</tbody>
</table>
Date of Appropriation of Groundwater: 1960

PRYOR LAND CO., a Montana Corporation
Owner: Hardin, Montana

Contractor (if any): None
Address of Contractor: None

Date Started: 1960 Date Completed: 1960

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. These springs are used for stock water. The groundwater is obtained by sub-irrigation and other natural processes.

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:

(1) 10 gallons per minute
(2) 10 gallons per minute
(3) 50 gallons per minute

Theodore B. Bailey
Signature of Owner
By: Attorney In Fact
Date: December 31, 1963

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

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

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

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

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

DEC. 8, 1966 day of

A.D. 19

at 11 o'clock P.M.

Mary Coke
County Recorder
By: Helen Smith

206564
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1960

PRYOR LAND CO., a Montana Corporation Address: Hardin, Montana

Contractor (if any): None

Address of Contractor: None

Date Started: 1960 Date Completed: 1960

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

Water is by a spring, by sub-irrigation and other natural processes.

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

Estimated Use: 15 gallons per minute

Signature of Owner: By: [Signature]

Date: December 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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
STATE OF MONTANA
County of Big Horn

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

DEO. 3. 1899. day of

A. D. 19.

It 10 o'clock A.M.

Henry J. Cole
County Recorder

Edith Davis
Deputy
**Notice of Completion of Groundwater Appropriation Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1960

**PERRY LAND CO. a Montana Corporation**

Address: Hardin, Montana

Contractor (if any): None

Address of Contractor: None

Date Started: 1960

Date Completed: 1960

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

*This spring is used for stock water. The groundwater is obtained by sub-irrigation and other natural processes.*

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

**Estimated Use: 10 gallons per minute**

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

Signature of Owner: [Signature]

Attorney in Fact: [Signature]

Mail: December 31, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1960

PAYOR LAND CO., a Montana Corporation
Address: Hardin, Montana

Contractor (if any): None
Address of Contractor: None

Date Started: 1960
Date Completed: 1960

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. These springs are used for stock water. The groundwater is obtained by sub-irrigation and other natural processes.

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

Estimated Use:
(1) 55 gallons per minute
(2) 15 gallons per minute
(3) 15 gallons per minute
(4) 15 gallons per minute
(5) 15 gallons per minute

Signature of Contractor: Payor Land Co.

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1960

Owner: PEYOR LAND COMPANY
Address: Hardin, Montana

Contractor (if any): None
Address of Contractor: None

Date Started: 1960
Date Completed: 1960

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

These springs are used for stock water. The groundwater is obtained by sub-irrigation and other natural processes.

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

Estimated Use:

(1) 50 gallons per minute
(2) 20 gallons per minute
(3) 20 gallons per minute
(4) 20 gallons per minute
(5) 20 gallons per minute

Signature of Owner: PEYOR LAND
By: Attorney in Fact
Date: December 31, 1963

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

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

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

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

County of Big Horn

The within instrument was filed in my office at BURNS, MONTANA, this

DEC. 3, 1963 day of

A.D. 19

at ___ o'clock M.

/00

County Recorder

Deputy
STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1960

PRYOR LAND CO., a Montana Corporation
Owner: Address: Hardin, Montana

Contractor (if any): None

Address of Contractor: None

Date Started: 1960

Date Completed: 1960

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

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

Estimated Use: 15 gallons per minute

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

Signature of Owner: Attorney in fact

Date: December 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 Montana Bureau of Mines and Geology; quadruplicate for the Appropriator.
STATE OF MONTANA

County of Big Horn

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

DEC. 9 A. 1949 day of

A. D. 19

at 10 o'clock A.M.

Henry J. Coca
County Recorder

Robert L. Smith, Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1960

ERWYOR LAND CO. Montana Corporation
Owner: Butte, Montana

Contractor (if any): None

Address of Contractor: None

Date Started: 1960
Date Completed: 1960

describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. THE MEANS OF OBTAINING WATER IS BY a spring, by sub-irrigation and other natural processes.

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:

15 gallons per minute

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
The within instrument was filed in my office at Hardin, Montana, this ___ day of __________, A.D. 19___ at ___ o'clock ______.

[Signature]

County Recorder

[Signature]
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Scruggs, William A.</td>
<td>Gw3</td>
<td>206577</td>
<td></td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: August 27, 1959

Owner: William A. Scruggs
Address: Hardin, Montana

Contractor (if any): None
Address of Contractor:

Date Started: Date Completed:

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Natural Spring, which has been cleaned and maintained at regular intervals as needed.

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:

20 gal. per minute, piped into five gal. bucket and timed, used continuously for livestock purposes.

Signature of Owner: William A. Scruggs
Date: December 20, 1963

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appraiser.
206577.

STATE OF MONTANA
County of Big Horn

The within instrument was filed
in my office at Hardin, Montana, this
DEC 31 1983

day of

A.D. 19

at 2:11 o'clock A.M.

Henry E. Cole
County Recorder

By: Daisy Dagle Depth
<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>16</td>
<td>Willeutt, H. W.</td>
<td>Gw3</td>
<td>200583</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Willeutt, H. W.</td>
<td>Gw3</td>
<td>200582</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Kennedy, Stephen C.</td>
<td>Gw3</td>
<td>233304</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Willeutt, Elsie F.</td>
<td>Gw3</td>
<td>200581</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Willeutt, H. W.</td>
<td>Gw3</td>
<td>200586</td>
<td></td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: May 17, 1954

Owner: W. W. Willett
Address: Hardin, Montana

Contractor (if any): None

Address of Contractor:

Date Started: Date Completed:

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

Natural Spring, which has been cleaned and maintained at regular intervals as needed.

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.

30-gal. per minute, piped into five gallon bucket and timed, used continuously for livestock purposes.

Signature of Owner: W. W. Willett
Date: December 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 Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
DATE OF MARRIAGE

County of Big Horn

The within instrument was filed in my office at Hardin, Montana, this DECEMBER 31, 1969, at 2:16 o'clock P.M.

Harry J. Case
County Recorder
or Ruby Temple, Deputy
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: June 17, 1925
Owner: H. W. Willcutt
Address: Hardin, Montana
Contractor (if any): None
Address of Contractor: 
Date Started: Date Completed:

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Natural Spring, which has been cleansed and maintained at regular intervals as needed.

---

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: H. W. Willcutt
Date: December 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 Montana Bureau of Mines and Geology 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: July 25, 1967
Owner: Stephen J. Kenney
Address: Hardin, Montana
Contractor (if any): 
Address of Contractor: 
Date Started: 7-25-67
Date Completed: 7-30-67

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

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.

400 gallons per minute

Signature of Owner: 
Date: July 15, 1971

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

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

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

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

The within instrument was filed in the office of Hardin, Montana, this 12th day of AUG 3, 1979.

COUNTY RECORDER

[Signature]

[Date]

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

Date of Appropriation of Groundwater: June 9, 1961
Owner: Elsie M. Willcutt
Address: Hardin, Montana
Contractor (if any): None
Address of Contractor:
Date Started: Date Completed:

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Natural spring, which has been cleaned and maintained at regular intervals as needed.

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.

-12 gallons per minute, piped into five gallon bucket and timed, used continuously for livestock purposes.

Signature of Owner:
Attorney in Fact
Date: December 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 Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
STATE OF MONTANA
County of Blaine

This within instrument was filed in my office in Blaine, Montana, this
DEC 3 1 1963, day of
at 2:14 o'clock P.M.


County Auditor

County Clerk
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: June 17, 1959
Owner: H. W. Wilcutt
Address: Hardin, Montana
Contractor (if any): None
Address of Contractor:

Date Started: Date Completed:

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Natural Spring, which has been cleaned and maintained at regular intervals as needed.

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.

Six gallons per minute, piped into five gallon bucket and timed. Used continuously for livestock purposes.

Signature of Owner: H. W. Wilcutt
Date: December 30, 1966

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
<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>GW3</td>
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</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. Juanita Wallcutt
   (Name of Appropriator)
   of Hardin
   (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
   Water for livestock & irrigation purposes

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   December 1, 1940. Used continuously ever since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 800 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
   560 acres, in Secs. 8, 9, 10, 16 and 17, Twp. 6 S., R. 31 E., Owner = R. W. Wallcutt

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   All five wells are artesian water

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   December 1, 1940 - Completion date

8. The depth of water table 10 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
   All wells are 450 ft. deep, and have 8 inch casings. Each of the five wells flows 160 gallons per minute.
   All wells are artesian.

10. The estimated amount of groundwater withdrawn each year
    800 gallons per minute

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

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

Signature of Owner

Date December 30, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriate.
STATE OF MONTANA

County of Big Horn

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

DEG. 31, 1962

A.D. 19

at 2:04 o'clock P.M.

(Handwritten Signature)

County Recorder

By: (Handwritten Signature)
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Jan. 2, 1952

Owner: Juanita Willcutt
Address: Harding, Montana

Contractor (if any): None
Address of Contractor:

Date Started: Date Completed:

Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. Natural Springs, which have
been cleaned and maintained at regular intervals
as needed.

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.

Spring No. 1 — 30 gallons per minute; used continuously for domestic use; lawnmower
and livestock. Spring No. 2 — 8 gallons per minute; used continuously for livestock purposes. Piped into five gallon bucket and timed.

Signature of Owner: Juanita Willcutt
Date: December 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 Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
County of Butte

The within instrument was filed in my office at Butte, Montana, this 31st day of December, 1968.

Henrietta Cox
County Recorder

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

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

H. W. Willeutt,
(Name of Appropriator)
of
(Address)
of
(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
   Water for domestic use and livestock use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   March 12, 1945. Used continuously.

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.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   Artesian water, and house pressure pump system

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

8. The depth of water table
   ten 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
   Depth = 150 feet. A in casing

10. The estimated amount of groundwater withdrawn each year
   Continuously flowing well at the rate of 5 gals. per minute.

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: H. W. Willeutt
Date: December 30, 1963

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

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

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

of Completion of Groundwater Appropriation
Without Well

(State of Montana
Administrator of Groundwater Code
Office of State Engineer)

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: October 30, 1952
Owner: H. W. Willcutt
Address: Hardin, Montana
Contractor (if any): None
Address of Contractor: 
Date Started: Date Completed: 

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Natural Spring, which has been cleared and maintained at regular intervals as needed. 

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: H. W. Willcutt
Date: December 30, 1963

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

Copies of this notice are to be filed with the County Clerk and Recorder of the county in which the premises are located. 

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

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

The within instrument was filed in my office at Hardin, Montana, this
DEC 31 1963 day of

at 2:22 o'clock P.M.

Harry E. Cox
County Recorder
By: Ralph W. Snider, Deputy
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Rate of Appropriation of Groundwater: Mar. 12, 1965
Owner: M. W. Willcutt
Address: Hardin, Montana
Contractor (if any): None
Address of Contractor:

Date Started: Date Completed:

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Three Natural Springs, which have been cleaned and maintained at regular intervals as needed.

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:

- No. 1 - 12 gallons per minute
- No. 2 - 6 gallons per minute
- No. 3 - 5 gallons per minute (piped into five-gallon bucket and timed) Used continuously for livestock purposes

Signature of Owner:

Date: December 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 lie 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.
Underground water filing on springs

Twp/6 S.  Rge 31 E. M.P.M

Bighorn  county  Montana

Montana Bureau of Mines and Geology

Butte: Montana

Owner  Lillie Maud Adams  602 Miles Ave, Billings, Montana.

Location Sec. 10  Twp 6 S  Rge 31 E. M.P.M Lot 9.

Water use:  __ Domestic  __ Livestock  __ Irrigation

Flow:  __ 10 gal. per minute  __ varied very little in the past 30 years.

Filing to prevent encroachment on water supply by adjoining property owners.

Lillie Maud Adams
Lillie Maud Adams Property owner
Instrument was fitted with a 10-cwt motor pulley. The motor pulley was
located near Little in the near vicinity of Little. The motor pulley was
mounted on the motor frame property near Little.
Underground water filing on springs

Twp 6 S.  Rge. 31 E.
County  Bighorn

Date December 19, 1961.

Location  Sec. 10  Twp. 6 S.  Rge. 31 E.  SW 1/4

Owner  Lillie Maud Adams, 602 Miles Ave, Billings,  Montana.

Water use:  Domestic  Livestock  Irrigation

Spring flow:  5 gal. per minute for each spring No's 1 & 2.

Spring flow:  3 gal. per minute for spring No 3.

These springs have varied very little for the last 30 years.

Lillie Maud Adams
Lillie Maud Adams Property owner
STATE OF MONTANA

County of Bennett

In my office at Bennett, this 30th day of DEC, 1961.

By,

County Recorder
SURFACE WATER FILING

Twp. 6 S.  Rge. 31 E.
County  Bighorn

Property owner: Lillie Maud Adams
Address: 602 Miles Ave, Billings, Montana

Date: December 19, 1961

Water uses: Irrigation, Livestock

Stream flow: Aprox. 20 gal. per minute

Property owner: Lillie Maud Adams
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. **PARK DALE, INC., a MONTANA CORPORATION, of Hardin, Montana**
   - (Name of Appropriator)
   - (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:*

   | SW 1/4 SE 1/4, T 6 S, R 31 E. |

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

2. The beneficial use on which the claim is based  
   - **Municipal Water**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
   - 4/12/61 - continuous to date

4. The amount of groundwater claimed (in miner’s inches or gallons per minute)  
   - 45 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 owner thereof, domestic, lawns and tree irrigation in  
   - Yellowtail Sub Division, Big Horn County, Montana

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
   - **Artesian well—see location on map; free flow, 45 gallons per minute**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
   - **commenced 4/6/61, completed 6/12/61**

8. The depth of water table  
   - 335’ - 355’

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  
   - **Eaising to 345 ft., Black steel, 6-in. I.D. booster pump**

10. The estimated amount of groundwater withdrawn each year  
    - 1,000,000 gallons

11. The log of formations encountered in the drilling of each well if available  
    - **surface soil, blue shale, as. ledge, sandstone and shale, Bentonite red clay, sanday clay, hard sandstone, red & blue clay, hard sand, water sand (Lakota)**

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: December 30, 1963**

---

Three copies to be filed by this 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.
COUNTY OF BIG HORN

The within instrument was filed in my office at Hardin, Montana this 3rd day of
January, 1912, at 9 o'clock A.M.

H. E. Cusick
County Recorder

By:

Deputy
## WATER WELL LOG

Owner: Pacific Dale Oil & Gas Montana Corporation, Butte, Montana

Driller: Western Drilling & Exploration Co., Address: Box 1216, Billings, Montana

Date Started: April 6, 1961  
Date Completed: April 12, 1961

Location: Sec. 16, T. 6S, R. 31E, ¼ sec. SW ¼ SE ¼

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<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
<th>Failing 1500 Rotary Drill</th>
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<tbody>
<tr>
<td>(Dog, driven, bored, or drilled)</td>
<td>(Churn drill, rotary, other)</td>
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</table>

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

Casing:  
- (0) ft to 3 ft 3½ ft  
- Type: Black Steel  
- Size: 6 in. ID

Perforated or Screened:  
- Ft. 330 to Ft. 345  
- Ft. to Ft.

Type of Screen or Perforations: 3 in. x ½ inch cuts

Static Water level, for non-flowing well: [ ] feet.

Shut-in pressure, for flowing well: [ ] lb./sq. in. on June 15, 1961  
(date)

Pumping water level: [ ] feet at flowing 1½ gals per min.

Tested: Timed and measured

Length of test: Random samples for 1 hr.

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

Casing was cemented from bottom up 280 ft; from top down 50 ft.

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(over)
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<th>Depth, feet</th>
<th>Description of Material Drilled</th>
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<td>0' 60'</td>
<td>Surface soil, gravel, and sand</td>
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<tr>
<td>60' 83'</td>
<td>Blue shale</td>
</tr>
<tr>
<td>83' 88'</td>
<td>88 Lodge</td>
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<tr>
<td>88' 120'</td>
<td>Shale with sandstone stringers</td>
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<tr>
<td>120' 122'</td>
<td>Sandstone</td>
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<tr>
<td>122' 152'</td>
<td>Shale</td>
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<tr>
<td>152' 153'</td>
<td>Bentonite</td>
</tr>
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<td>153' 196'</td>
<td>Shale with Bentonite stringers</td>
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<tr>
<td>196' 228'</td>
<td>Red clay</td>
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<tr>
<td>228' 250'</td>
<td>Bentonite and sandstone stringers</td>
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<td>250' 250'</td>
<td>Sandy clay</td>
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<td>250' 292'</td>
<td>Sandstone, soft sand, and bentonite</td>
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<tr>
<td>292' 294'</td>
<td>Hard sandstone</td>
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<td>294' 296'</td>
<td>Shale, Bentonite, and red clay</td>
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<td>296' 297'</td>
<td>Hard sandstone</td>
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<tr>
<td>297' 329'</td>
<td>Red sand and blue clay</td>
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<tr>
<td>329' 345'</td>
<td>Hard sand</td>
</tr>
<tr>
<td>345' 361'</td>
<td>Water sand (Lakota)</td>
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195587
PARK DALE, INC., a Montana Corporation of Hardin, Montana
(Name of Appropriator) (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

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3. Date or approximate date of earliest beneficial use; and how continuous the use has been, August 1961 continous to date

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 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. Artesain-Free flow 50 gallons per minute; booster pump.

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, completed 8/9/61

8. The depth of water table 380' - 400'

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, cased with 6" black steel pipe, pump from top to bottom, Booster pump.

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

11. Soil or formation encountered in the drilling of each well if available, surface soil, blue clay, sandstone, red, clay, hard sand, water sand (Sakota)

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. Applicable

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 School of Mines and Quadruplicate for the Appropriator.