STATE OF MONTANA
County of Sheridan.
Filed this 11th day of Dec., A. D. 19--
at 3:00 o'clock P.M.
L. J. Nelson
County Recorder
Deputy
OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA

RELEASE

KNOW ALL MEN BY THESE PRESENTS, that I, WILLIAM MILLER, of the County
of Sheridan in the State of Montana, as the surface lessee of the herein-
after described land upon which a well for oil or gas was drilled, to-wit:

Operator Amerada Hess Corporation (formerly known
as Amerada Petroleum Corporation)

Lease Name R. W. Ruesegger Tract 1

Well No. 2 Sec. 13, Twp. 36N, Rge. 62E

The well is located 600 feet North of the South
line and 1982 feet West of the East line.

That, in accordance with Oil and Gas Conservation Commission Regula-
tion 233.6, I do hereby notify the Oil and Gas Conservation Commission
of the State of Montana of my desire to utilize said well as a fresh
water well; and, that if such utilization is approved, I do hereby re-
lease and discharge the operator hereinabove named from any further work
or responsibility in relation to the plugging of said well.

WITNESS my hand and seal this 7th day of July, 1969.

William Miller, surface lessee

In the presence of

Edgar E. Zurn

Address Outlook, Mont

Address Outlook, Mont

APPROVED:

Petroleum Engineer 9/19/69

45660
OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA

RELEASE

KNOW ALL MEN BY THESE PRESENTS, that we, NELLE D. RUEGSEGGER and
NEAL R. RUEGSEGGER of the County of Sheridan in the State of Montana,
are the owners of the hereinafter described land upon which a well for
oil or gas was drilled, to-wit:

Operator Amerada Hess Corporation (formerly known
as Amerada Petroleum Corporation)

Lease Name R. W. Ruegsegger Tract 1

Well No. 2 Sec. 13, Twp. 36N, Rge. 52E

The well is located 600 feet North of the South
line and 1982 feet West of the East line.

That, in accordance with Oil and Gas Conservation Commission Regula-
tion 233.6, we do hereby notify the Oil and Gas Conservation Commission
of the State of Montana of our desire to utilize said well as a fresh
water well; and, that if such utilization is approved, we do hereby re-
lease and discharge the operator hereinabove named from any further work
or responsibility in relation to the plugging of said well.

WITNESS our hand and seal this 26th day of July, 1969.

Nelle D. Ruegsegger, Landowner

Neal R. Ruegsegger, Landowner

In the presence of

Address Williston, N.D.

Address Williston, N.D.

APPROVED

/s/ Petroleum Engineer 9/9/69 

45660
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Frank Buckskin
Address: Outlook, Mont.

Driller: Iapagona drilling Co.
Address: Westly, Mont.

Date Started: Oct 8, 1960
Date Completed: Oct 15, 1960

Location: Sec. 15 T. 36 R. 55 1/4 sec.

Type of well: Drilled
Equipment used: Ed'man Drill

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

Casing: 0 ft. to 3/15 ft. Type □ Size |

Perforated or Screened: Ft. to Ft. Type □ Size |

Type of screen or perforations |

Static Water level, for non-flowing well: 50 feet.

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

Pumping water level: 100 feet at 4 gal. per min.

How tested: |

Length of test: |

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 15</td>
<td>Blue Clay</td>
</tr>
<tr>
<td>15 - 18</td>
<td>Blue Jack</td>
</tr>
<tr>
<td>18 - 19</td>
<td>Red Clay</td>
</tr>
<tr>
<td>19 - 70</td>
<td>Brown Clay</td>
</tr>
<tr>
<td>70 - 136</td>
<td>Blue Shale</td>
</tr>
<tr>
<td>136 - 138</td>
<td>Gray Clay</td>
</tr>
<tr>
<td>138 - 155</td>
<td>Green Shale</td>
</tr>
<tr>
<td>155 - 195</td>
<td>Hard Blue Shale</td>
</tr>
<tr>
<td>195 - 253</td>
<td>Sandy Blue Shale</td>
</tr>
<tr>
<td>253 - 254</td>
<td>Bluestone Shale</td>
</tr>
<tr>
<td>254 - 255</td>
<td>Black Jack</td>
</tr>
<tr>
<td>255 - 280</td>
<td>Sandy Shale Water</td>
</tr>
</tbody>
</table>

Cased to 215 ft. Standing Conditions: Balance of Hole in Sandstone. 

**Log of Well**
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)

<table>
<thead>
<tr>
<th>Date of Appropriation of Groundwater</th>
<th>1024</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>Alfred K. Tange</td>
</tr>
<tr>
<td>Address</td>
<td>Redstone, Montana</td>
</tr>
<tr>
<td>Contractor (if any)</td>
<td></td>
</tr>
<tr>
<td>Address of Contractor</td>
<td></td>
</tr>
<tr>
<td>Date Started</td>
<td></td>
</tr>
<tr>
<td>Date Completed</td>
<td></td>
</tr>
<tr>
<td>Describe means of obtaining groundwater without a well “as by sub-irrigation and other natural processes”. Include depth to water when applicable. Flowing Spring(s), (Two)</td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td>15 gals per minute</td>
</tr>
<tr>
<td>Indicate point of appropriation and place of use, if possible.</td>
<td></td>
</tr>
<tr>
<td>Signature of Owner</td>
<td>Alfred K. Tange</td>
</tr>
<tr>
<td>Date</td>
<td>December 30, 1963</td>
</tr>
</tbody>
</table>

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 Sheridan, \\

Peterson   3rd day of \nDecember A. D. 1938 \n
at 10 o'clock A.M. \\

J. H. Nelson \\
County Recorder \\

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

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

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

For Administrator's Use
File 1962
February 1, 1971
GW 1

Owner: Herbert May
Address: 2868 Lexington Rd. St. Paul, Minn.
Contractor (if any): None
Address of Contractor: None
Date Started: 1/64
Date Completed: 1/64

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

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

3. Depth of water table

4. Use of the water

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

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

7. Estimate amount of water used each year

8. Months of year spring flows

9. Signature of Owner

Date

State of Montana Administrator of Groundwater Code
Montana Water Resources Board

County

Signal Of Owner

Date AA/II/91
STATE OF MONTANA
County of Broadwater

Filed this 1st day of February A.D. 1921
at 11:00 o'clock A.M.

P.D. Burke
County Recorder

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

Owner: Mike North
Address: Radonna, Mont.

Driller: Darby Drilling Co.
Address: Radonna, Mont.

Date of Notice of Appropriation of Groundwater: 9/18/64
Date well started: 9/25/64
Date completed: 9/27/64

Type of well: Drilled
Equipment Used: Rotary
(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.

Static Water Level for non-flowing Well: 31 feet.
Shut-in Pressure for Flowing Well:
Pumping Water Level: 34 feet at 47 gph. gal. per minute.
Discharge in gal. per min. of flowing well:
How Tested: pump
Length of Test: 3 hours
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):

Driller's License Number
Floyd A. Carlson
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 Appropriator.
STATE OF MONTANA
County of Sheridan.

Filed this 3rd day of
November A. D. 19__ at
2:30 o'clock P.M.

R. S. Nilson
County Recorder.

By Myrtle Hall
Depose.
**Notice of Completion of Groundwater Appropriation Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1950

Owner: Alfred K. Tangi  Address: Redstone, Montana

Contractor (if any): 

Address of Contractor: 

Date Started: Date Completed: 

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use...15 gallons per minute

Signature of Owner: Alfred K. Tangi  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 Sheridan

Filed this 30 day of
Recorded A.D. 1923
at 10 o'clock G.M.

Deputy

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

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

JOHN A. THORSON
(Outlook, Town)
(Sheridan, County)
(State of Montana)

County of
State of

Approved Stock Form—State Publishing Co., Helena, Montana—1966

File No. 10

Received

NOV 1 1963

State Engineer

Duplicate

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

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

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

June 7, 1964
STATE OF MONTANA,
County of Sheridan,

Filed this 3d day of A. D. 1967 at 2:00 o'clock P. M.

County Recorder

Deputy
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner

Contractor (if any)

Address of Contractor

Date Started Date Completed

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

Track

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

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 Sheridan.

Filed this 23rd day of December, A.D. 19__
at 2:00 o'clock P.M.

[Signature]
County Recorder

[Signature]
Deputy
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1942

Owner: Harry P. Soucek
Address: Plentywood, Mont.

Contractor (if any): Miss—Soil conservation
Address of Contractor: Plentywood, Mont.

Date Started: 1959  Date Completed: 1959

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

meat with perforated tile

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: Harry P. Soucek
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.

33154
STATE OF MONTANA,

County of Sherburne.

Filed this ______ day of __________ A.D. 19__, at __ o'clock ______ M.

__________________________
County Recorder

__________________________
Deputy
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

acquired land in

Date of Appropriation: Groundwater
Owner: John A. Thorson
Address: Outlook, Montana

Contractor (if any)
Address of Contractor
Date Started Date Completed

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

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

Signature of Owner
Date

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
STATE OF MONTANA,
County of Sheridan.

Filed this 30 day of
October A.D. 1863
at 2:00 o'clock P.M.

L. H. Weber
County Recorder

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner: ___________  Address: ___________

Driller: ___________  Address: ___________

Date of Notice of Appropriation of Groundwater: ___________

Date well started: ___________  Date Completed: ___________

Type of well: ___________  Equipment Used: ___________

(dig, driven, bored or churn, drill, rotary or drilled)

Water Use: Domestic ___________  Municipal ___________  Other ___________  Irrigation ___________

Industrial ___________  Draining ___________  Stock ___________

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Pipe</th>
<th>Depth to Water (Feet)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>4&quot; x 1/2&quot;</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>3&quot;</td>
<td>2 3/8&quot; x 1/4&quot;</td>
<td>92'</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Wells: ___________  feet.

Shut-in Pressure for Flowing Well: ___________  feet.

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

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

How Tested: ___________  Length of Test: ___________  hours.

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).

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

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

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 Sheridan

Filed this ______ day of
December A.D. 1962
at 1:00 o'clock P.M.

[Signature]
County Recorder

[Signature]
Deputy
### WATER WELL LOG

**Owner:** Inuvialuk Drilling Co.
**Address:** Box 400, Fairbanks, Alaska

**Driller:** T. Jones
**Address:** Box 400, Fairbanks, Alaska

**Date Started:** July 15, 1960
**Date Completed:** July 15, 1960

**Location:** Sec. 30, T. 54, R. 53, 1/4 sec. 1, 141

**Type of well:** Drilled

**Equipment used:** Drill & Digger

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

**Casing:**
- Type:
- Size:

**Perforated or Screened:**
- Type:
- Size:

**Type of screen or perforations:**

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

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

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

**How tested:**

**Length of test:**

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

---

(over)
WATER WELL LOG

Owner: Croill Nash  
Address: Redstone, Mont.

Driller: Laguquist Drilling Co.  
Address: Westby, Mont.

Date Started: May 15, 1959  
Date Completed: July 15, 1959

Location: Sec. 36  
T. 36  
R. 53  
N. Sec. NE NW 1

Type of well: Drilled  
Equipment used: Churn-Drill

Water use: Domestic □  
Municipal □  
Stock □  
Irrigation □  
Industrial □  
Drainage □  
Other: Test Bore  Dry

Casing: □  
Type: □  
Size: □

Casing: □  
Type: □  
Size: □

Casing: □  
Type: □  
Size: □

Perforated or Screened: Ft. to Ft.  
Type: □  
Ft. to Ft.  
Type: □

Type of screen or perforations:

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

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

Pumping water level: feet at gal. per min.

How tested:

Length of test:

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

©(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 20</td>
<td>Brown clay</td>
</tr>
<tr>
<td>20 - 105</td>
<td>Blue clay — sandy yellow clay</td>
</tr>
<tr>
<td>105 - 122</td>
<td>Bluie clay</td>
</tr>
<tr>
<td>122 - 152</td>
<td>Quick sand</td>
</tr>
<tr>
<td>150 - 163</td>
<td>Semi-Sandstone paye</td>
</tr>
<tr>
<td>163 - 181</td>
<td>Shale</td>
</tr>
<tr>
<td>171 - 185</td>
<td>Rock</td>
</tr>
<tr>
<td>183 - 246</td>
<td>Shale</td>
</tr>
<tr>
<td>246 - 247</td>
<td>Fine sand</td>
</tr>
<tr>
<td>247 - 290</td>
<td>Coal dry</td>
</tr>
<tr>
<td>250 - 255</td>
<td>Shale</td>
</tr>
<tr>
<td>255 - 257</td>
<td>Coal dry</td>
</tr>
<tr>
<td>258 - 273</td>
<td>Shale</td>
</tr>
<tr>
<td>273 - 275</td>
<td>Sandy-shale</td>
</tr>
<tr>
<td>277 - 333</td>
<td>Shale</td>
</tr>
<tr>
<td>333 - 335</td>
<td>Coal dry</td>
</tr>
<tr>
<td>335 - 372</td>
<td>Shale</td>
</tr>
<tr>
<td>372 - 374</td>
<td>Black Jack</td>
</tr>
<tr>
<td>374 - 377</td>
<td>Shale</td>
</tr>
<tr>
<td>377 - 384</td>
<td>Rock</td>
</tr>
<tr>
<td>384 - 397</td>
<td>Shale</td>
</tr>
<tr>
<td>397 - 407</td>
<td>Rock</td>
</tr>
<tr>
<td>407 - 600</td>
<td>Shale</td>
</tr>
<tr>
<td>620 - 622</td>
<td>Shale</td>
</tr>
<tr>
<td>622 - 654</td>
<td>Rock</td>
</tr>
<tr>
<td>654 - 900</td>
<td>Shale</td>
</tr>
</tbody>
</table>

An assay of coal at 475 ft. produces 1 barrel per ton.
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 20</td>
<td>Brn. clay</td>
</tr>
<tr>
<td>20 - 105</td>
<td>Blue-clay—Sandy-yellow clay</td>
</tr>
<tr>
<td>105 - 122</td>
<td>Blue clay</td>
</tr>
<tr>
<td>122 - 150</td>
<td>Quick-Sand</td>
</tr>
<tr>
<td>150 - 363</td>
<td>Semi-Sand-Stone</td>
</tr>
<tr>
<td>163 - 181</td>
<td>Shale</td>
</tr>
<tr>
<td>181 - 183</td>
<td>Rock</td>
</tr>
<tr>
<td>183 - 246</td>
<td>Shale</td>
</tr>
<tr>
<td>246 - 247</td>
<td>Fine-Sand</td>
</tr>
<tr>
<td>247 - 300</td>
<td>Coal dry</td>
</tr>
<tr>
<td>250 - 255</td>
<td>Shale</td>
</tr>
<tr>
<td>255 - 257</td>
<td>Coal dry</td>
</tr>
<tr>
<td>275 - 275</td>
<td>Shale</td>
</tr>
<tr>
<td>275 - 278</td>
<td>Sandy-shale</td>
</tr>
<tr>
<td>278 - 333</td>
<td>Shale</td>
</tr>
<tr>
<td>333 - 335</td>
<td>Coal dry</td>
</tr>
<tr>
<td>335 - 372</td>
<td>Shale</td>
</tr>
<tr>
<td>372 - 374</td>
<td>Black-Jack</td>
</tr>
<tr>
<td>374 - 391</td>
<td>Shale</td>
</tr>
<tr>
<td>391 - 503</td>
<td>Rock</td>
</tr>
<tr>
<td>391 - 596</td>
<td>Shale</td>
</tr>
<tr>
<td>596 - 597</td>
<td>Rock</td>
</tr>
<tr>
<td>597 - 720</td>
<td>Shale</td>
</tr>
<tr>
<td>720 - 722</td>
<td>Shale</td>
</tr>
<tr>
<td>722 - 934</td>
<td>Rock</td>
</tr>
<tr>
<td>934 -</td>
<td>Shale</td>
</tr>
</tbody>
</table>

This core of coal at 475 ft. produces 1 gallon per min.
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

Owner: [Name]
Address: [Address]

Contractor (if any): [Name]
Address of Contractor: [Address]

Date Started: [Date]
Date Completed: [Date]

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

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

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

Signature of Owner:
[Signature]
Date: [Date]

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
STATE OF MONTANA
County of Sheridan.

Filed this 11th day of December, A. D. 1962, at 3:00 o'clock P. M.

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

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

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

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

Owner: [Name]
Address: [Address]

Date well started: 6-10-71
Date completed: 6-13-71

Type of well: Drilled
Equipment used: [Type]

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

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Hole</th>
<th>Size and Depth of Cutting</th>
<th>Type of Cutting</th>
<th>Top of Ground</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; x 6&quot; x 12</td>
<td>10.60 x 9.80</td>
<td>117'</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 8.7 ft
Pumping water level: 12.5 ft

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

Driller's Signature: [Signature]
Driller's Address: [Address]

Top of Ground (Feet above sea level):

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.23</td>
<td>98</td>
</tr>
<tr>
<td>8.7</td>
<td>98</td>
</tr>
<tr>
<td>10</td>
<td>10.5</td>
</tr>
</tbody>
</table>

POWER: Pump type and HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)
STATE OF MONTANA
County of Sheridan.
Filed this___ day of
December, A.D. 19___
at ___ o'clock ___ M.

[Signature]
County Recorder

By [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)

Lars G. Brstad and Sylvia Brstad, husband and wife, as joint tenants
with right of survivorship, not tenants in common, Redstone, Montana

County of Sheridan, State of Montana

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

1. The beneficial use on which the claim is based: personal household, livestock use, garden irrigation.

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

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

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

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

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

7. The depth of water table.

8. The depth of each well or other works for the withdrawal of groundwater.

9. The estimated amount of groundwater withdrawn each year.

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

11. 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: Lars G. Brstad
Date: December 27, 1962

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

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

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

County of Sheridan.

Filed this 27th day of
December, A. D. 1952.

at 2:00 o'clock P.M.

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)

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

County of Sheridan 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

Livestock, household and general farm

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

Well No. 1 - 1917 -- Well No. 2, 1956

Well No. 3, 1913 continued use

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

Fifty gallons per minute

each well

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

cylinder map

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

Well No. 1, 1917 -- Well No. 2, 1956 -- Well No. 3, 1913 Continued use

8. The depth of water table

Well No. one and two - 500 ft. Well No. 3 - 20 ft.

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

Well No. one and two drilled wells with four inch casing.

Well No. three bored well with sixteen inch casing.

10. The estimated amount of groundwater withdrawn each year

Normal farm usage

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

None available

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

Signature of Owner

Date

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

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

2 3 15 3
STATE OF MONTANA
County of Blaine

[Signature]

[Date]

[Signature]

[Date]

A. W. Miller
School of Mines and Geology respectfully requests the Department of the State Engineer to forward this form to 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.

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

SIGNED OF CONTRACTOR

[Signature]

[Date]

AND PLACE OF USE

[Place of use]

[Signature]

[Date]

ILLEGIBLY WRITTEN LOCATION OF WATER WITH APPROPRIATION

[Description]

[Signature]

[Date]

[Comment: Under Chapter 22 Provisional State Law, 1911]

Notice of Completion of Groundwater Application Without Well

[Date]

[Signature]

[Comment: Office of State Engineer]

[Comment: Administration of Groundwater Code]

[Signature]

[Date]

[Comment: DEPARTMENT OF MONTANA]

[Signature]

[Date]
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(UNDER CHAPTER 237 MONTANA SESSION LAWS, 1961)

Date of Appropriation of Groundwater 1914
Owner: Alonzo M. Doug. Address: Helena, Mont.
Contractor (if any) 
Address of Contractor
Date Started 1914 Date Completed 1914
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.

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

Signature of Owner: Alonzo M. Doug.
Date: 12-26-63

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

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

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

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

Filed this 27 day of December A.D. 1962
at 10:00 o'clock A.M.

                   LeRoy McKean
County Recorder
Deputy
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1948

Owner: [Name]
Address: [Address]

Contractor (if any): [Name]
Address of Contractor: [Address]

Date Started: [Date]
Date Completed: [Date]

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

[Diagram]

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]

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines; Quadruplicate for the Appropriator.
STATE OF MONTANA
County of Sheridan

Filed this 27 day of
Dec. A. D. 1962
at 12:30 o'clock P.M.

Ed. Nolen
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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<td>GW H</td>
<td>331450</td>
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<td>3</td>
<td>BOE, ARNOLD H</td>
<td>GW R</td>
<td>337049</td>
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<tr>
<td>9</td>
<td>CARLSON, MRS</td>
<td>GW H</td>
<td></td>
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<td>9</td>
<td>MILL, C.L.</td>
<td>&quot; H</td>
<td></td>
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<td>9</td>
<td>SOWT, ROB</td>
<td>GW D</td>
<td>334123</td>
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<td>SEVIG, ROALD</td>
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<td>WITZ, FRED</td>
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<td>GALAND, ROBERT T</td>
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<td>WAGNER, JACOB</td>
<td>GW H</td>
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<td>WAGNER, MARVIN</td>
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<td>STONE, RAY</td>
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<td>WEST, MAURICE A</td>
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<td>GRANT, CHARLES</td>
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<td>GW D</td>
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<td>33</td>
<td>JOHNSON, ARCHIE T</td>
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<td>34</td>
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<td>10</td>
<td>Shearer, Inca H.</td>
<td>GW D</td>
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<td>Shearer, Florence</td>
<td>GW D</td>
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<tr>
<td>10</td>
<td>Shearer, Inca H.</td>
<td>GW D</td>
<td>334620</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)

Oscar Bridge
(Name of Appropriator)

County of
(State of)

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

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

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

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

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

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

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

8. The depth of water table:

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

10. The estimated amount of groundwater withdrawn each year:

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

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

Signature of Owner:

Date:

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

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

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

County of Sheridan.

Filed this ______ day of
February, A. D. 19___

at ______ o'clock ______ M.

A. D. Nelson
County Recorder

By _________ 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. Arnold H. Bee, of Outlook
   (Name of Appropriator) (Address) (Town)
   County of Sheridan, 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
      For livestock, household use and irrigation

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
      Continuous since 1915

   4. The amount of groundwater claimed (in miner's inches or gallons per minute)—
      411

   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
      Used for irrigation of yard within area of 500 feet from wells

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
      Electric motor on cylinder and jet pump
      Location of wells is indicated on map

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
      Construction of wells was commenced and completed in the years 1915 and 1920.

   8. The depth of water table
      Unknown

   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
      Wells are drilled and cased with four inch steel pipe. Depths are 137 feet and 175 feet.

   10. The estimated amount of groundwater withdrawn each year

   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
   Date Dec. 30, 1965

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

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

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

Filed on the 31st day of December, A. D. 19--
A. M.

[Signature]
County Recorder

Deputy
**MONTANA BUREAU OF MINES AND GEOLOGY**  
Butte, Montana

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Arnold Rec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Date Started</th>
<th>6-26-1953</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Completed</td>
<td>7-1-1953</td>
</tr>
</tbody>
</table>

| Location: Sec. | 3 |
|               | T |
|               | 26 |
|               | R 3 |

<table>
<thead>
<tr>
<th>Length of test</th>
<th>14 hours</th>
</tr>
</thead>
</table>

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

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

<table>
<thead>
<tr>
<th>Water use</th>
<th>Domestic [X] Municipal [ ] Stock [ ] Irrigation [ ] Industrial [ ] Drainage [ ] Other: [ ]</th>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>0 ft. to 120 ft. Type Steel Size 2</th>
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<tbody>
<tr>
<td>Casing:</td>
<td>ft. to ft. Type Size</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft. Type Size</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>17.5 ft. to 129 ft. Type Size</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Shut-in pressure, for flowing well:</th>
<th>lb./sq. in. on: (date)</th>
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</table>

<table>
<thead>
<tr>
<th>Pumping water level:</th>
<th>1.5 gal. per min.</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Length of test</th>
<th>14 hours</th>
</tr>
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</table>

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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>(over)</th>
<th></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>clay</td>
</tr>
<tr>
<td>125</td>
<td>clay and white calcite</td>
</tr>
</tbody>
</table>
**WATER WELL LOG**

- **Owner:** Mrs. Carlson
- **Address:** Outlook, Mont.
- **Driller:** Guat. R. Lagerquist
- **Address:** Westby, Mont.
- **Date Started:** 10/26/59
- **Date Completed:** 10/26/59
- **Location:** Sec. 9, T. 36, R. 53

**Type of well:** Drilled

**Equipment used:** Churn-Drill

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

- **Casing:** 0-104 ft. to 4"  
- **Type:** Blk. 1/2  
- **Size:**

- **Casing:** 104 ft. to 94-104 ft. Type  
- **Size:**

- **Perforated or Screened:** 94-104 ft. to ft.  
- **Type:** Screw.  
- **Slots:** Oxy-Aust. 
- **Drill used:**

**Static Water level, for non-flowing well:** 91 feet.

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

**Pumping water level:** 97 feet at  
24 gal. per min.

**How tested:** Pumped

**Length of test:** 10 hours.

**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>
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</thead>
<tbody>
<tr>
<td>From 0-77</td>
<td>Yellow-clay</td>
</tr>
<tr>
<td>77-101</td>
<td>Blue-clay</td>
</tr>
<tr>
<td>101-104</td>
<td>Blue-sand</td>
</tr>
</tbody>
</table>

Static water level 91 feet.
## WATER WELL LOG

**Owner:** Graveline
**Address:** Outlook, Root

**Larson & Drilling Co.**
**Address:** Westby, Mont.

**Date Started:** 10/29/59  
**Date Completed:** 10/31/59

**Location:** Sec. 2, T. 36 N., R. 93 W., ¼ sec. 36, 4th. P.

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

**Water use:** Domestic [✓] Municipal [ ] Stock [ ] Irrigation [ ]

**Industrial [ ] Drainage [ ] Other:**

**Casing:** 6 ft. to 10 ft. Type: Size: 4"

**Casing:** 10 ft. to 10 ft. Type: Size:

**Casing:** 10 ft. to 10 ft. Type: Size:

**Perforated or Screened:** 50 ft. to 100 ft. 10 ft. to 10 ft.

**Type of screen or perforations:** C.I.O. or cast iron

**Static Water level, for non-flowing well:** 75 feet.

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

**Pumping water level:** 95 feet at 

**How tested:** Balloted & pumped

**Length of test:** 12 hrs.

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

(over)
## WATER WELL LOG

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
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<tbody>
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<td>Lagerquist Drilling Co.</td>
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<tr>
<td>Address</td>
<td>Outlook, Mont.</td>
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<tr>
<td>Driller</td>
<td>Gust R. Lagerquist</td>
</tr>
<tr>
<td>Address</td>
<td>Westby, Mont.</td>
</tr>
<tr>
<td>Date Started</td>
<td>10/29/59</td>
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<tr>
<td>Date Completed</td>
<td>10/31/59</td>
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<tr>
<td>Location:</td>
<td>Sec. 5 T. 36 R. 53 1/4 sec. Lot 4 21x 14</td>
</tr>
</tbody>
</table>

**Type of well:** Drilled

**Equipment used:** Churn Drill

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

**Casing:**
- Depth: 6 ft. to 101 ft.
- Type: 11½ in.
- Size: 4 in.

**Casing:**
- Depth: 101 ft. to 101 ft.
- Type: [ ]
- Size: [ ]

**Perforated or Screened:**
- Depth: 94 ft. to 101 ft.

**Type of screen or perforations:** Stove or cast iron

**Static Water level, for non-flowing well:** 75 feet

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

**Pumping water level:** 85 feet at 500 gal. per min. hr.

**How tested:** Rated & pumped

**Length of test:** 10 hrs.

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

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>——</td>
<td>——</td>
</tr>
<tr>
<td>0 - 5</td>
<td>Sandy-loam</td>
</tr>
<tr>
<td>5 - 19</td>
<td>Blue-clay</td>
</tr>
<tr>
<td>19 - 56</td>
<td>Yellow-clay</td>
</tr>
<tr>
<td>56 - 101</td>
<td>Gravel water</td>
</tr>
<tr>
<td>Depth, feet</td>
<td>Description of Material Drilled</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>From: 0</td>
<td>To: 5</td>
</tr>
<tr>
<td>5-12</td>
<td>Sandy-loam</td>
</tr>
<tr>
<td>12-96</td>
<td>Blue-clay</td>
</tr>
<tr>
<td>96-101</td>
<td>Yellow-clay</td>
</tr>
<tr>
<td>101</td>
<td>Gravel water</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Bob Scott
Address: Outlook, MT

Driller: Albert Anderson
Address: Medana Lake

Date of Notice of Appropriation of Groundwater: Sept. 27, 1963
Date well started: Oct. 10, 1963
Date completed: Sept. 28, 1963

Type of well: Drilled
Equipment Used: (Churn, drill, rotary or dug)

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.

<table>
<thead>
<tr>
<th>Site of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From</th>
<th>To</th>
<th>Kind of Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>414 ft</td>
<td>10 lb</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>39 ft</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 ft</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 123 feet.

Shut-in Pressure for flowing well: 0

Pumping Water Level: 193 feet at 6 gal. per minute.

Discharge in gal. per min. of flowing well: 0

How Tested: Pump
Length of Test: 4 hr.

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)

Driller's License Number: 1006
Driller's Signature: Albert Anderson

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

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roald Selvig</td>
<td>Outlook, Mont.</td>
<td>Quat R. Lagerquist</td>
<td>Westby, Mont.</td>
</tr>
</tbody>
</table>

Date Started: 10/23/59  Date Completed: 10/24/59

Location: Sec. 9  T. 36  R. 53  ¼ sec. Lot A & 5½ Block 15

Type of well: Drilled  Equipment used: Churn-Drill

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

Casing: 0 ft. to 98 ft  Type: Blk. 1½  Size: 4"

Casing: ft. to ft.  Type:  Size:

Casing: ft. to ft.  Type:  Size:

Perforated or Screened: Ft.  to ft.  83 to 98. Ft.  to ft.  Site:

Type of screen or perforations: Slotted  Oxy-Acet.  Tourn. used:

Static Water level, for non-flowing well: 75 feet.

Shut-in pressure, for flowing well: 75 lbs./sq. in. on:

Pumping water level: 85 feet at 6 gal. per min.

How tested: Pumped

Length of test: 9 hours

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>0-75</td>
<td>Yellow-clay</td>
</tr>
<tr>
<td>75-93</td>
<td>Blue-clay</td>
</tr>
<tr>
<td>93-98</td>
<td>Blue-sand &amp; gravel</td>
</tr>
</tbody>
</table>

Static water level 75 feet
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Driller</th>
<th>Address</th>
<th>Date Started</th>
<th>Date Completed</th>
<th>Location: Sec.</th>
<th>T.</th>
<th>R.</th>
</tr>
</thead>
</table>

Type of well: [ ] Crown drill
Equipment used: [ ] Crown drill, rotary, others

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

[ ] Industrial
[ ] Drainage
[ ] Other

Casing: [ ] ft to [ ] ft
Type: [ ] Size: [ ]

Casing: [ ] ft to [ ] ft
Type: [ ] Size: [ ]

Casing: [ ] ft to [ ] ft
Type: [ ] Size: [ ]

Perforated or Screened: [ ] to [ ] ft
Type of screen or perforations: [ ]

Static Water level, for non-flowing well: [ ] feet
Shut-In pressure, for flowing well: [ ] lb/sq. in. on: [ ] (date)
Pumping water level: [ ] feet at [ ] gal. per min.

How tested: [ ]

Length of test: [ ]

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

(over)
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fred Wirtz</td>
<td>Outlook, Mont.</td>
<td>Hunt &amp; Langquist</td>
<td>Westby, Mont.</td>
</tr>
</tbody>
</table>

Date Started: 7/30/17  
Date Completed: 8/1/17

Location: Sec. 9 T. 36 R. 53 1/4 sec. E 1/2 N 1/2

Type of well:  
Drilled:  
Equipment used:  

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

Casing:  
102 ft to 6 ft. Type: Elko. Stand: Size: .

Perforated or Screened: 22 ft to 102 ft.

Type of screen or perforations: 3/4 in. of perforations. Adeo. Cutting torch used.

Static Water level, for non-flowing well: 60 feet.

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

Pumping water level: 70 feet at 350 gal. per min. Hrs.

How tested: Pumped

Length of test: 12 Hrs.

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>1 - 35</td>
<td>Brown clay</td>
</tr>
<tr>
<td>35 - 55</td>
<td>Blue clay</td>
</tr>
<tr>
<td>55 - 56</td>
<td>Rocks and some water</td>
</tr>
<tr>
<td>56 - 96</td>
<td>Blue clay</td>
</tr>
<tr>
<td>96 - 102</td>
<td>Zone &amp; water</td>
</tr>
</tbody>
</table>