

GROUNDWATER INDEX

County Lincoln Twp. 27 S Rge. 10 E

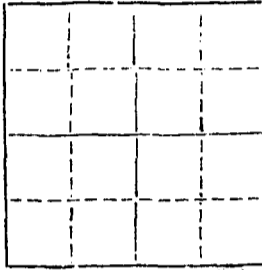
Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
No #	Edith Harmon	GW2	1177	
No #	Jack Harmon	GW2	1177	
No #	Clayton Harmon	GW2	1177	
No #	Great Falls Livestock Market Center	GW1	1177	
No #	Martina Kuehner	GW2	5022	
No #	Ralph Kuehner	GW2	4962	
No #	Alfreda Kuehner	GW2	4915	
No #	John G. + Bertine E. Schaefer	GW2	3171	
No #	Mary E. Rice	GW2	5009	
No #	Mark E. Rice	GW2	5010	
No #	Mary E. Rice	GW2	5011	
No #	Bob Willson	GW2	4937	
No #	Amelia Kober	GW2	239181	Missing
No #	Conrad Landon	GW2	5458	
No #	Jack M. + Shirley B. Holding	GW2	4833	
No #	Fred Clyde Jr. + H.E. Crossmore	GW2	5142	
No #	Lewis Smith	GW2	4937	
No #	Herman, Willie, Estate	GW4	3721	
No #	Anthony L. + Lorraine E. Swartz	GW3	5557	
No #	Clara L. Hickey	GW4	3359	
No #	Halvor Pederson	GW4	4015	
No #	Willard L. Low	GW4	3780	
No #	Floyd R. + Theodora M. Erickson	GW4	3063	
No #	Donald D. + Norma D. Mulheim	GW2	3196	
No #	Donald D. + Norma D. Mulheim	GW2	3195	
No #	John + Prudence Lohr	GW2	5604	
No #	Great Falls Livestock Market Center	GW2	5603	
	Barnes, W. H.	GW2	5133	
	Snyder, Louis	well log		

STATE ENGINEER

T. _____ R. _____
County Blaine

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Frankly Hart Address 1117 E. 1st

Driller Frankly Hart Address 1117 E. 1st

Date Started 11/1/1911 Date Completed 11/1/1911

Location: Sec. _____ T. _____ R. _____ 1/4 sec. _____

Type of well Drilled Equipment used Churn Drill
(Dig, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic Municipal Stock Irrigation

Industrial Drainage Other: _____

Casing: 1 1/2" ft. to 15' ft. Type 1 1/2" Size 1 1/2"

Casing: _____ ft. to _____ ft. Type _____ Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. 70' to ft. _____ Ft. _____ to ft. _____

Type of screen or perforations 70'

Static Water level, for non-flowing well: 14-15 feet.

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

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

How tested: _____

Length of test: _____

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
None

(over)

RECEIVED

T. _____ R. _____

County: Lincoln

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: J. L. Mason Address: 101 N. 1st St.

Driller: W. J. ... Address: ...

Date Started: ... Date Completed: ...

Location: Sec. _____ T. _____ R. _____ 1/4 sec. _____

Type of well: ... Equipment used: ...
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

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: Ft. ... to ft. ... Ft. ... 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)

T. R.

County.....

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner..... Address.....

Driller..... Address.....

Date Started..... Date Completed.....

Location: Sec..... T..... R..... 1/4 sec.....

Type of well..... Equipment used.....
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

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: Ft..... to ft..... Ft..... 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 pack, cementing, packers, type of shut-off, depth of shut-off)

.....

.....

.....

.....

.....

(over)

T. _____ R. _____
County Cascade

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

STATE ENGINEER

Owner Heat Tills Service Inc. Address Heat Tills Mont.
Driller H. W. Franklin Address St. 1. 1st St. Heat Tills Mont.
Date Started October 15-1961 Date Completed Nov. 20-1961
Location: Sec. _____ T. _____ R. _____ 1/4 sec. _____

Type of well Drilled (Dug, driven, bored, or cilled) Equipment used Cable Tools (Cable drill, rotary, other)

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: Ft. _____ to ft. _____ Ft. _____ to ft. _____
Type of screen or perforations: _____

Static Water level, for non-flowing well: 30 feet.

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

✓ Pumping water level 130 feet at 15 gal. per min.

How tested: Jubilee Pump

Length of test: 4 hrs.

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
None

Log of Well

Depth, feet		Description of Material Drilled
From	To	
250	285	Heavy Shale
285	300	Sandstone
300	310	Sticky light clay
310	325	Lime
325	334	Sandstone
334	347	Lime
347	356	Sandstone
356	370	Black Lime
370	385	Sandstone
385	389	Lime

STATE OF MONTANA
 DEPARTMENT OF COMMERCE
 I hereby certify that as within the
 State of Montana by the office on
 March 23, 1961
 843
 J. L. MURPHY
 County Clerk
 BY
 [Signature]

File No.

Township R.

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Mathias Weingart Address 2204-12th St. S.
Great Falls, Mont.

Driller Pat Byrne Address 2112-7th Ave. S.
Great Falls, Mont.

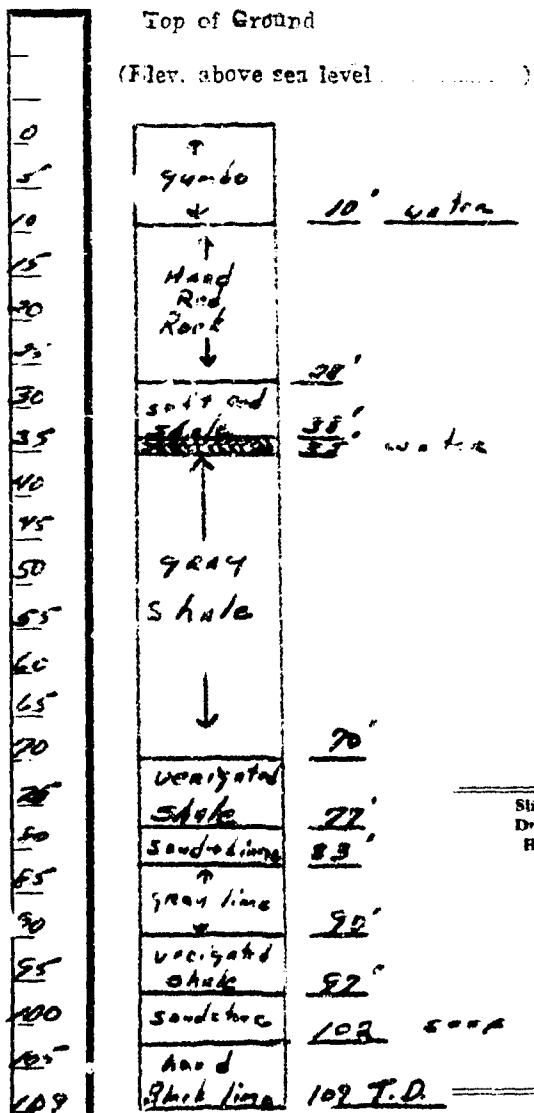
Date of Notice of Appropriation of Groundwater.....

Date well started 7-10-1965 Date Completed 7-20-1965

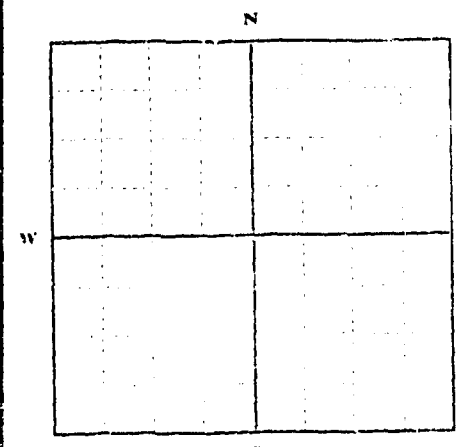
Type of well Drilled Equipment Used Churn drill
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

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.



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	7" 17#	0	38	Not perforated		
6 5/8"		From 38' to 109'				



..... 1/4 Sec. T. R.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well..... 35 feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level..... 105 feet at 5 gal. per minute.

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

How Tested... Bailer Length of Test... 1 hour

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).....

135
Driller's License Number
Pat Byrne
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.

42,041

5022

STATES OF MONTANA, } ss
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
MAY 9 9 1987

Date

at 10:30 o'clock AM

J. L. HENSON

County Clerk and Recorder

R. E. Satterman

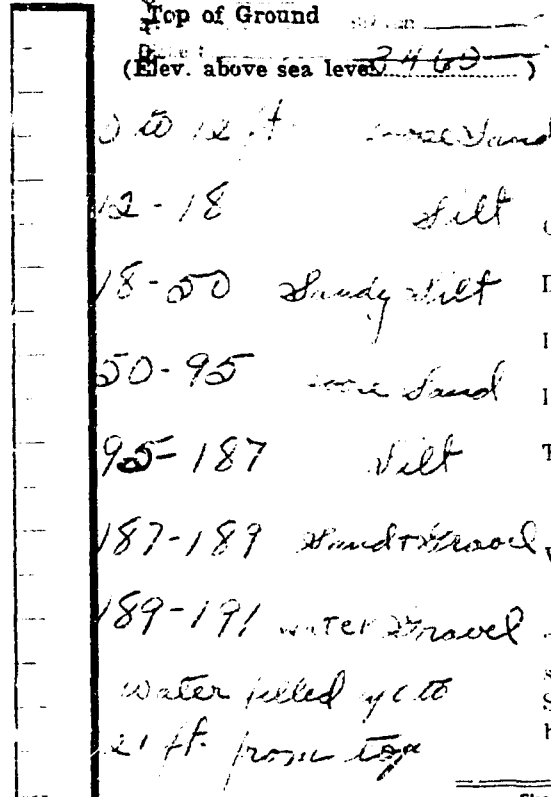
DUPLICATE JUL 7 1966 MAY 31 1966 County: Blaine

From: McDonnell
 To: Helena, Montana
 Top of Ground 3460
 (Elev. above sea level)

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
 Appropriation by Means of Well

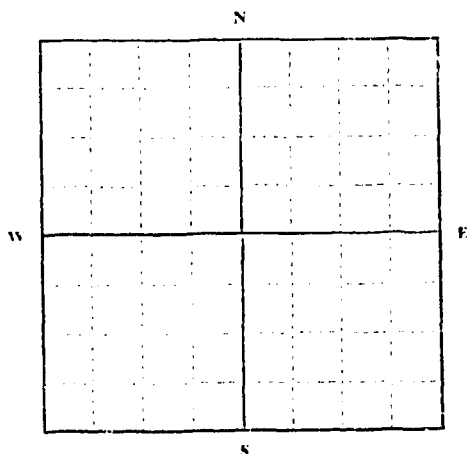
(Under Chapter 237, Montana Session Laws, 1961)



Owner: Ralph Ward Address: Blaine, Mont.
 Driller: E. D. Rafferty Address: 1527-10th Ave. S.W.
 Date of Notice of Appropriation of Groundwater: May 24-66
 Date well started: May 18-66 Date Completed: May 23-66
 Type of well: Drilled Equipment Used: Churn drill
 (aug, driven, bored or drilled) (Churn, mill, 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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
<u>4 inch</u>	<u>5 1/2" O.D. 17 lb per ft</u>	<u>0</u>	<u>191</u>	<u>Casing driven open end into gravel</u>		



..... 1/4 Sec. T. R.
 Indicate location of well and place of use, if possible. Each small square represents 10 acres.
191 ft
 Show exact depth of bottom.

Static Water Level for non-flowing Well: 21 ft. from top feet.
 Shut-in Pressure for Flowing Well: X
 Pumping Water Level: 100 ft. from top feet at 15 gal. per minute.
 Discharge in gal. per min. of flowing well: X
 How Tested: Bailer Length of Test: 2 hrs
 Remarks: (Gravel packing, cementing, packers type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation.)

State License # 28
 Driller's License Number
E. D. Rafferty
 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.

41199

4962

STATE OF MONTANA,)
County of Cascade.) ss.

I hereby certify that the within in-
strument was filed in this office on

MAY 25 1966

Date

at 10:20 o'clock A. M.

J. L. LENNON

County Clerk and Recorder.

By *J. L. Lennon*

GW 2

File No.

DUPLICATE

Approved State Printing Co., Helena, Montana—39318
RECEIVED
MAR 9 1964

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
FEB 7 1964

Notice of Completion of Groundwater Appropriation by Means of a Well ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Owner *Si, India* *By Sumner* Address *Great Falls, Mont.*

Driller *Thomas B. Franklin* Address *Great Falls, Mont.*

Date of Notice of Appropriation of Groundwater *August 15, 1963*

Date well started *August 18, 63* Date Completed *August 25, 1963*

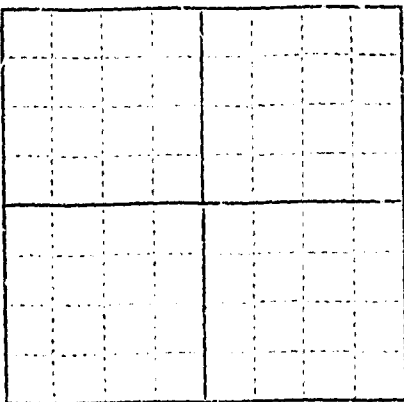
Type of well *Drilled* Equipment Used *Cable Tools*
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

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.

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

40 ft. gumbo
20 ft. gray shale
20 ft. clay
15 ft. Red shale
5 ft. water bearing casing
15 ft. Red shale



..... 1/4 Sec..... T..... R.....
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

115 ft.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 1/4 inch	5 inch S & S water well casing 8 lbs per ft.	Top	Bottom	2 inches long by 1/4 inch wide	95	115

Static Water Level for non-flowing Well *75* feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level *115* feet at *13* gal. per minute.

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

How Tested *Bailer* Length of Test *2 hrs.*

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

84
Driller's License Number

Thomas B. Franklin
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.

348 41

4715

STATE OF MONTANA, }
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
JAN 27 1964

at 1240 o'clock P M

J. L. LEMMON
County Clerk and Recorder.

By J. L. Lemmon
Deputy.

File No.

T..... R.....

DUPLICATE

County **Cascade**

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)



Top of Ground
(Elev. above sea level)
0 to 11 Ft. Sand & Sandy Clay
11 to 32 Ft. Quicksand
32 to 102 Gumbo Clay
102 to 127 Gravel (water)

Owner: **John Schefer Jr. & Bertha E. Schefer** Address: **Rte 2 South, Great Falls 2305-13th St. So. Great Falls, Montana**
Driller: **Soennichsen Drilling Co.** Address: **Great Falls, Montana**

Date of Notice of Appropriation of Groundwater: **None filed**

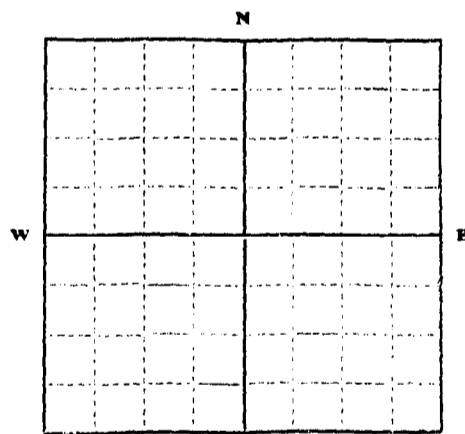
Date well started: **June 1, 1962** Date Completed: **June 7, 1962**

Type of well: **Drilled** (dug, driven, bored or drilled) Equipment Used: **Rotary Drill** (Churn, drill, rotary or other)

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock **Lawn & Garden**

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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
14" (0 to 60)	8" heavy	0	59	Cemented in top to bottom		
6 1/4" (60 to 127)	4 1/2" O.D.	0	127	1/8"	106	127



..... 1/4 Sec. T. R.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well: **18** feet.

Shut-in Pressure for Flowing Well: **not flowing**

Pumping Water Level: **25** feet at **30** gal. per minute.

Discharge in gal. per min. of flowing well: **not flowing**

How Tested: **Baller** Length of Test: **5 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).....

Water to be used for irrigating lawn and garden

also domestic household use.

51
Driller's License Number

Arnold Soennichsen
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.

#3171

STATE OF MONTANA, }
County of Cascade. } ss.

I hereby certify that the instrument was filed in this office on

SEP 4 - 1962

Date

at 4:35 o'clock P.M.

J. L. LENNON

County Clerk and Recorder

By

D. Bull

Deputy.

File No. _____ DATE WATER _____ **ROYAL RANCH** T. _____ R. _____
Well #3
County **Cascade**

DUPLICATE

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

**Notice of Completion of Groundwater
Appropriation by Means of Well**
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner **Mary E. Rice** Address **1809-4th Ave. N
Great Falls, Mont.
2112-7th Ave. S**
Driller **Pat Byrne** Address **Great Falls, Mont.**

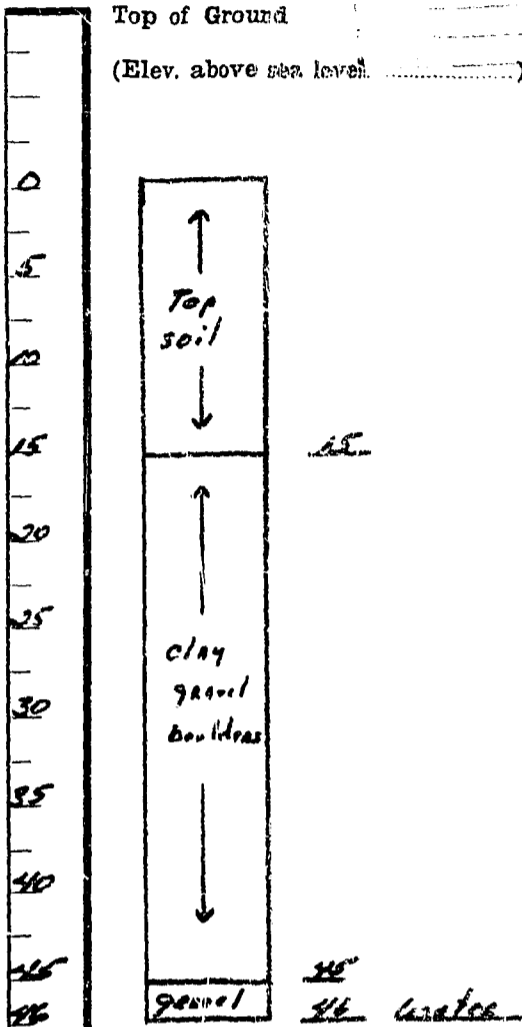
Date of Notice of appropriation of groundwater _____

Date well started _____ Date completed _____

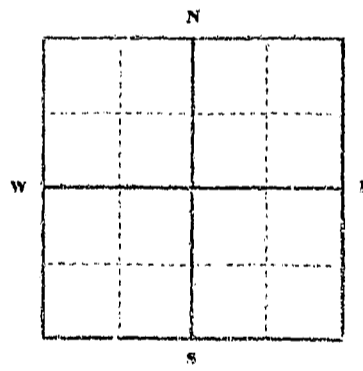
Type of well **Drilled** Equipment used **Churn drill**
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	5-5/8"	0	40	Not perforated		



Static Water Level for non-flowing well 25 feet.
Shut-in Pressure for Flowing Well _____
Pumping Water Level 40 feet
at 10 gal. per minute.
Discharge in gal. per min. of flowing well _____

How Tested **Haller**
Length of Test **1 hour**

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

____ Sec. _____ T. _____ R. _____
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

135
Driller's License Number

Pat Byrne
Driller's Signature

41714

Case Co
5010

STATE OF MONTANA, } ss.
County of Cascade. }

I hereby certify that the within in-
strument was filed in this office on

1987

Date

at 10:01 o'clock A.M.

J. L. LENNON

County Clerk and Recorder.

by

[Signature]

Deputy.

File No.

HOME RANCH

T. R.

DUPLICATE

STATE WATER COMMISSION BOARD

Well #2

County: Cascade

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Groundwater
(Elev. above sea level

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Mary E. Rice Address: 1809-4th Ave. N
Great Falls, Mont.

Driller: Pat Byrne Address: 2112-7th Ave. S
Great Falls, Mont.

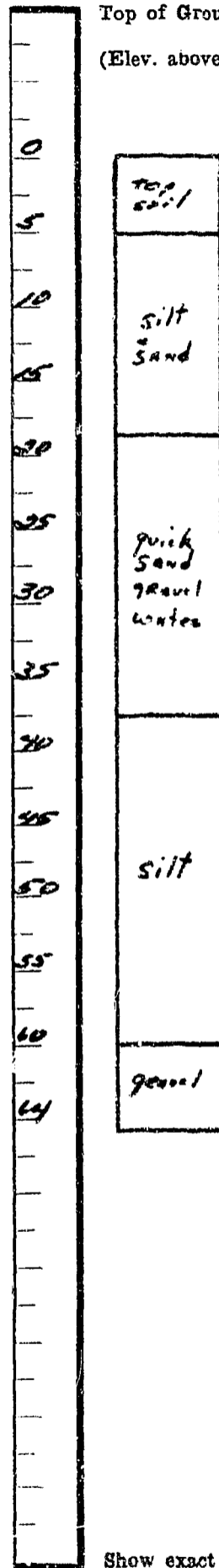
Date of Notice of appropriation of groundwater.....

Date well started..... Date completed.....

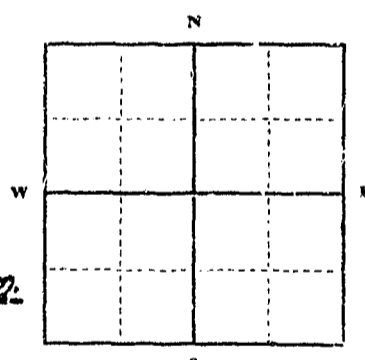
Type of well: Drilled Equipment used: Churn drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6-5/8"	6-5/8"	0	64	NOT PERFORATED		



Static Water Level for non-flowing well 16 feet.

Shut-in Pressure for Flowing Well.....
Pumping Water Level..... 40 feet
at..... 30 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: Bailer
length of Test..... 1 hour

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

1/4 Sec. T. R.
Indicate location of well and price of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

125
Driller's License Number
Pat Byrne
Driller's Signature

41713

Case
Co
5011

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

FEB 6 1987

Date

10:00 o'clock A.M

J. L. LINDEN

County Clerk and Recorder.

By

J. J. Johnson
Deputy.

File No. _____

T. _____ R. _____

DUPLICATE

STATE WATER COMMISSION BOARD

County Cascade

DEC 12 1966

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground _____
(Elev. above sea level _____)

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Bob Miliona Address Carter, Mont.

Driller Thomas Franklin Address Great Falls, Mont.

Date of Notice of Appropriation of Groundwater Feb. 10, 1966

Date well started March 25, 66 Date Completed April 15, 1966

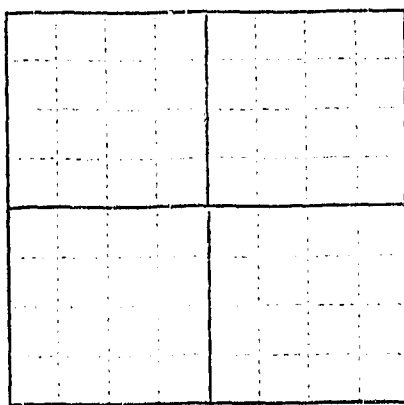
Type of well Drilled Equipment Used Cable Tools
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

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.

Kootenai Formation consisting of shales and layers of rock
Water bearing sandstone from 190 to 232

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 inch	57 ft. of 6" D. Casing 10 lbs per ft.	Top	57 ft			



_____ 1/4 _____ Sec. _____ T. _____ R. _____
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

232 ft.

Static Water Level for non-flowing Well 115 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 220 feet at 12 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Bailer Length of Test 2 hrs

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

Casing cemented due to shut off surface water

24
Driller's License Number

Thomas B. Franklin
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.

115418

4989

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on

DEC 7 1966

Date

at 2.15 o'clock P M

J. L. LENNON

County Clerk and Recorder

By R. E. Patton
Deputy

#5498

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office of
JUN 8 1973

DATA

at 3:15 o'clock P M

J. L. LENNON

County Clerk and Recorder.

J. D. Wilson
Deputy.

File No. _____
DUPLICATE

RECEIVED
JAN 1 1961

Township _____
County _____

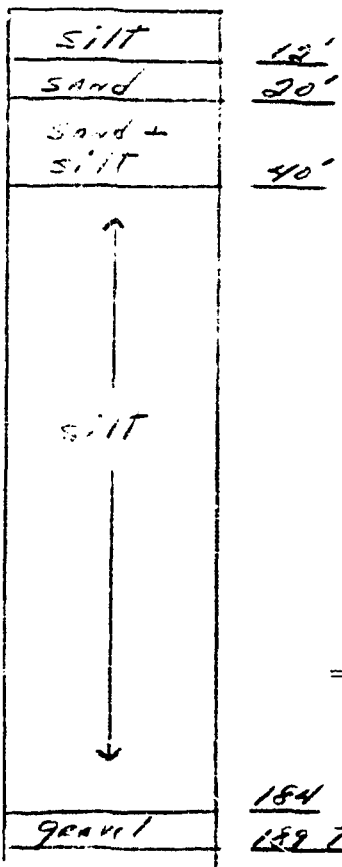
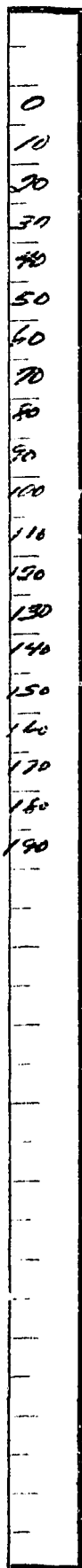
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground STATE ENGINEER

(Elev. above sea level.....)

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)



Owner: Joseph J. Barr & Ivaloe R. Golberg Address: Water Plant, Mont.

Driller: W. J. Barr Address: Water Plant, Mont.

Date of Notice of Appropriation of Groundwater: _____

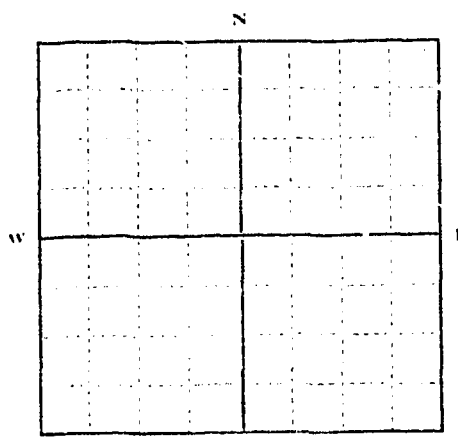
Date well started: 1-21-61 Date Completed: 1-21-61

Type of well: _____ Equipment Used: Rotary Drill
(dug, driven, bored or drilled) (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.

Table with columns: Size of Drilled Hole, Size and Weight of Casing, From (Feet), To (Feet), PERFORATIONS (Kind Size, From (Feet), To (Feet)).



..... 1/4 Sec. T. R.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom

Static Water Level for non-flowing Well: 121 feet.

Shut-in Pressure for Flowing Well: 1

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

Discharge in gal. per min. of flowing well: 2

How Tested: 3 Length of Test: 3

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

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.

#4833

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

MAR 24 1965
Date

at 11:55 o'clock A.M.

J. L. LENNON
County Clerk and Recorder.

By B. Harris
Deputy.

File No.

T. R.

DUPLICATE

County Cascade

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)
Fred. Olds Cr. & S.

Owner H. E. Crossman Address Great Falls, Montana

Driller Thomas F. Franklin Address Great Falls, Montana

Date of Notice of appropriation of groundwater September 10, 1966

Date well started September 15, 66 Date completed December 15, 1966

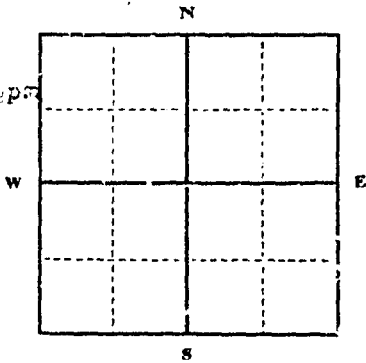
Type of well drilled Equipment used Cable Tools
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Top of Ground (Elev. above sea level.....)	
0-25	Clay
25-27	Sandstone
27-35	Clay
35-42	Gray Shale
52-58	Sandstone
58-75	Red Shale
75-83	Hard Brown Rock
83-127	Gray Shale
127-150	Red Shale
150-166	Gray Shale
166-175	Sandstone
175-207	Red Shale
207-210	Hard Brown Rock
210-252	Gray Shale
252-258	Sandstone, 12' ^{open} water bearing
258-305	Red Shale
305-375	Gray Shale
375-400	Sandstone, 10' ^{open} water bearing

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 inch to 225 feet	5 5/8 I.D. threaded, coupled	Surface to 325 ft.	325	slotted 3 inch by 1/4 inch	250	270



Static Water Level for non-flowing well250.....feet.
 Shut-in Pressure for Flowing Well none.....
 Pumping Water Level 270 feet.....feet
 at 30.....gal. per minute.
 Discharge in gal. per min. of flowing well
none.....
 How Tested.....pump.....
 Length of Test.....3 hours.....
 Remarks: (Gravel packing, cementing, packers, type of shutoff).....none.....

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

(Continue on reverse side)

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).

Some irrigation, cross, chains, lawn

Show exact depth of bottom.

400

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

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

Driller's License Number

Thomas F. Franklin
Driller's Signature

442711

5142

STATE OF MONTANA
County of Cascade

That I, J. L. Linn, Clerk of the County of Cascade, do hereby certify that the within and foregoing was filed in my office on
OCT 11 1968

Date

at 4:33 o'clock P.M.

J. L. LINN

County Clerk

By J. E. Baleman

Deputy

File No. STATE WATER CONSERVATION BOARD
DUPLICATE

County

JAN 13 1966

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level)

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner *Louis Smith* Address *Beart Palla, Mont.*

Driller *Thomas B. Branchini* Address *Beart Palla, Mont.*

Date of Notice of Appropriation of Groundwater *Sept. 28, 1965*

Date well started *Oct. 5, 1965* Date Completed *Oct. 11, 1965*

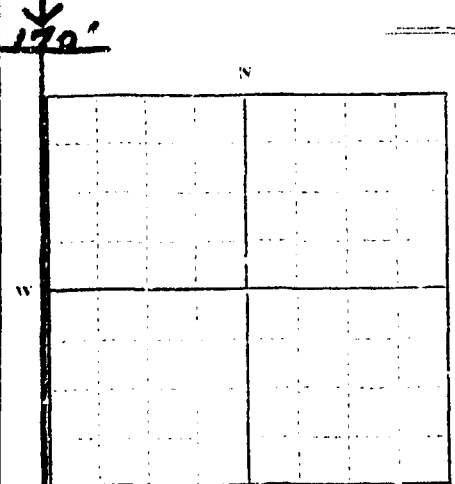
Type of well *Drilled, Driven* Equipment Used *Cable Tools*
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

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.

From top to 170 ft. Glacial Drift Shale
From 170' to 184' Sand, Silt
186

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<i>5 inch</i>	<i>5 inch L. D. Oil Well Casing 17 lbs per ft.</i>	<i>Top</i>	<i>Bottom</i>			



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

Shut-in Pressure for Flowing Well

Pumping Water Level *50* feet at *45* gal. per minute.

Discharge in gal. per min. of flowing well

How Tested *Bailer* Length of Test *4 hrs*

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

acres irrigated, if used for irrigation) *approx.*

8 ft. of gravel packing inside casing

1/4 Sec. T. R.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

84
Driller's License Number

Thomas B. Branchini
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.

40733

4937

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on

JAN 13 1966

Date

at 10:31 o'clock a M.

J. L. LENNON

County Clerk and Recorder.

By J. L. Lennon
Deputy.

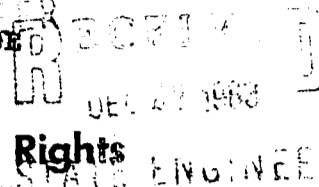
File No.

T. R.

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

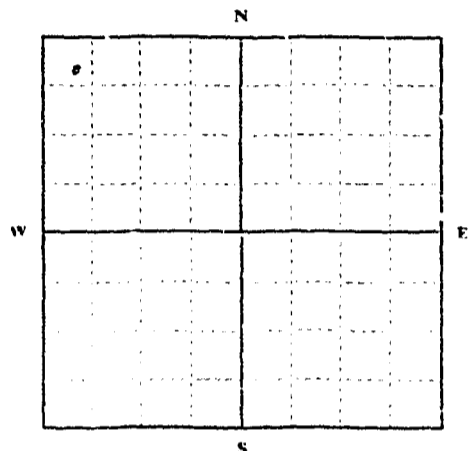


Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. *Harrison, W. L. F., Estate*, of *CLASCAZCO*
(Name of Appropriator) (Address) (Town)

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



1/4 Sec. T. R.

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

Wade (1962)

2. The beneficial use on which the claim is based *Stock*

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

4. The amount of groundwater claimed (i.e. miner's inches or gallons per minute) *1"*

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 *0*

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

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

8. The depth of water table *40 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 *1" drilled open casing*

10. The estimated amount of groundwater withdrawn each year *2000*

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

Signature of Owner *Harrison W. L. F. Estate*

Date *Nov 23, 63*

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

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

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

3721

STATE OF MONTANA,
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

DEC 28 1922

at 3:11 o'clock P M

J. L. LENNON
County Clerk and Recorder.

By [Signature]
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 2-7, 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	<u>6-15-72</u>
GW 1	<u>230 ft</u>

Owner ANTHONY L. SWARTZ AND LENORA E. SWARTZ
Box 799
 Address Route 2 South, Great Falls, Montana

Contractor (if any) Swartz Excavating

Address of Contractor Route 2 So., Box 799, Great Falls, Mt.

Date Started 6-15-72 Date Completed 6-16-72

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

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

3. Depth of water table Six feet

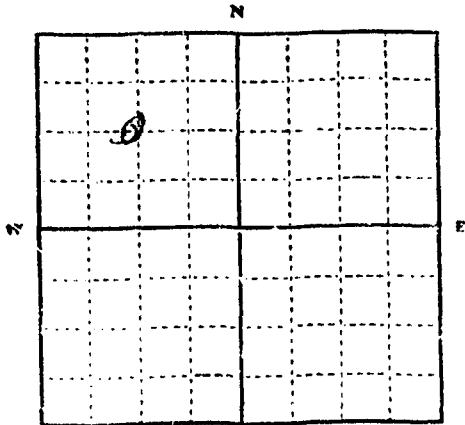
4. Use of the water Cabin and livestock

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 15 gallons per minute

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

7. Estimate amount of water used each year 20,000 gallons

8. Months of year s, ng flows 12 months



Parnell and Board of Trade Lode Mining Claims; being a portion of Mineral Survey No. 8968, Cascade Co., Montana

T. N R. E
S W

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.

Elevation of spring, if known or estimated

Signature of Owner Anthony L. Swartz
 Date June 22, 1972

5557

STATE OF MONTANA, }
County of Cascade.

I hereby certify that the within in
was filed in this office on

JUN 29 1973

Date
23rd of June M

J. L. LENNON
County Clerk and Recorder.

J. L. Lennon
Deputy.

File No.

T. R.

DUPLICATE

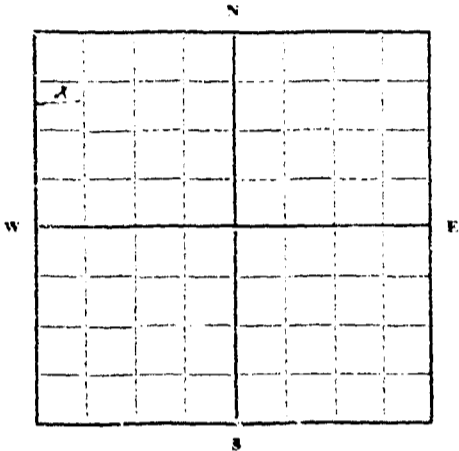
County.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
SEP 6 1963

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

1. Edward S. Stebbins of Route 1, Box 100, Gallatin
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



..... 1/4 Sec. T. R.
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..... Home school & irrigation
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been..... May 10, 1946
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute)..... Approx 26 gpm
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof..... 150 x 200 ft home & garden
Woodstock
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
Withdrawal by jet pump
By the side of the house (Well)
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater..... May 1, 1946 to May 1, 1946
- 8. The depth of water table..... Well is 200 ft deep, water comes to within 10 ft top
- 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 200 ft deep 5" casing
- 10. The estimated amount of groundwater withdrawn each year..... 2000 gpm
- 11. The log of formations encountered in the drilling of each well if available.....
Just 15 ft sand, sand & gravel water gravel
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....
Classified land

Signature of Owner Edward S. Stebbins
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.

5920

3359

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on

SEP 3 - 1958

Date

at 1:45 o'clock P.M.

J. L. LENNON
County Clerk and Recorder.

By J. L. Lennon
Deputy.

File No.

T. R.

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 5 1964

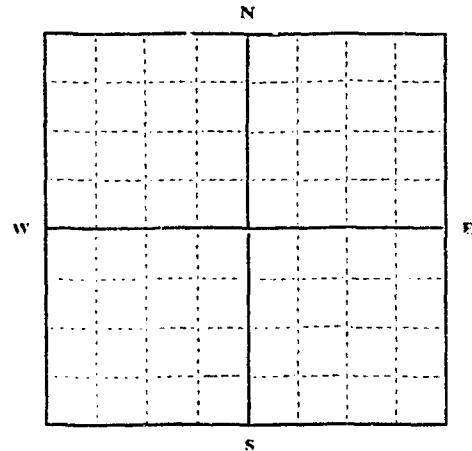
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Hudson, H. ..., of ..., ...
(Name of Appropriator) (Address) (Town)

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



1/4 Sec. T. R.

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.....
- 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.

28008

4015

STATE OF MONTANA,)
County of Cascade,)

I hereby certify that the within in-
strument was filed in this office on
DEC 30 1963

Date
at 11:29 o'clock M.

J. L. LENNON
County Clerk and Recorder

By *J. L. Lennon*
Deputy.

File No.

T. R.

DUPLICATE

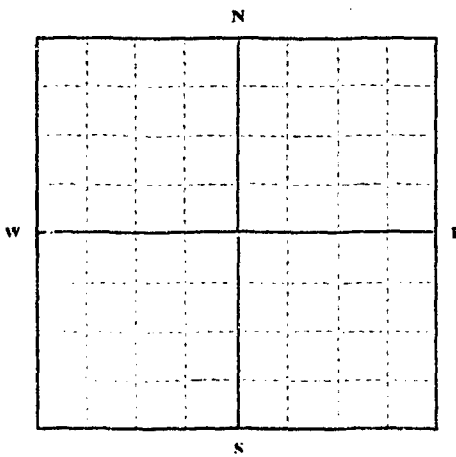
County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. *Phillips, David*, of *West Falls* *West Falls*
(Name of Appropriator) (Address) (Town)
County of *Beauregard* State of *Montana*
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. T. R.

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 *DOMESTIC*

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: *APRIL 1958*

4. The amount of groundwater claimed (in miner's inches or gallons per minute) *1.5 miner's inches*

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 *SEE LIST*

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal *PHILLIPS SOUTH WEST CORNER*

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater *MARCH 1958*

8. The depth of water table *114'*

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 *DRILLED*

10. The estimated amount of groundwater withdrawn each year *2000 GPM*

11. The log of formations encountered in the drilling of each well if available.
FROM TOP TO BOTTOM: SAND - FROM 80-85' SAND - FROM 85-100' SAND - FROM 100-115' WATER BEARING SANDSTONE

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

Signature of Owner *William H. Low*
Date *June 18, 1963*

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

Please answer all questions. If not applicable, 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.

29769

3780

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

DEC 26 1963

Date

at 3:46 o'clock P M.

J. L. LENNON

County Clerk and Recorder.

By B. J. Jones Deputy.

File No.
DUPLICATE

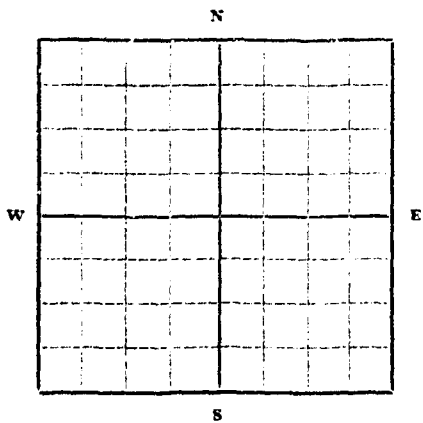
T R
County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1951)

STATE ENGINEER

1. Floyd R. & Theodora E. Erikson of Route 1 South Great Falls,
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



3 2/3 lot 2 Block 1

1/4 Sec. T R

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 Residence and lot irrigation
- 3. Date or approximate date of earliest beneficial use and how continuous the use has been February 12, 1923
Continuous ever since.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 gallons per minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Part of lot 2 Block 1
Owner: Floyd R. Erikson
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pumps, center of lot 2 Wells

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater August 1945 Same Date
- 8. The depth of water table 12 feet
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Electric pumps used on Sandpoints
11" & 12" points.
- 10. The estimated amount of groundwater withdrawn each year 55,000 Gallons
- 11. The log of formations encountered in the drilling of each well if available 2 foot Gumbo, rest Sand.
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.
No information available to my knowledge.

Notary Public for the State of Montana
Residing at Great Falls, Montana
My Commission Expires 1962

Signature of Owner Floyd R. Erikson
Date Mar 19 1962

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

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

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

#3063

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
MAR 19 1962

at _____ o'clock _____ M.
Date 3:36

J. L. LENNON
County Clerk and Recorder.

By [Signature]
Deputy.

File No. _____

Town _____

DUPLICATE

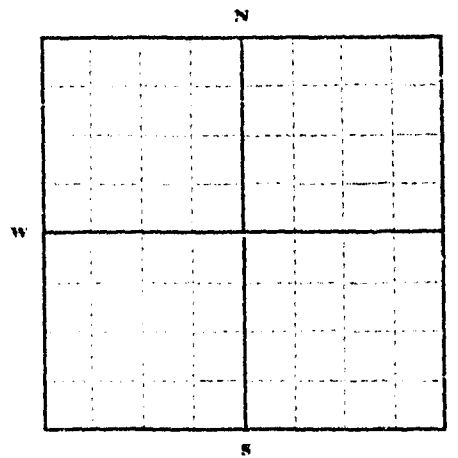
County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

1. I, Donald L. + Norma D. Matheson of Great Falls
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.
2. The beneficial use to which water is to be applied is Household use
(describe lands to be benefited, if for irrigation)
3. The rate of use in gallons per minute or miner's inches of groundwater claimed 10 gal per min.
4. The annual period (inclusive dates) of intended use Indefinite
5. The probable or intended date of first beneficial use Sept. 30, 1962
6. The probable or intended date of commencement and completion of the well* or wells*
Commencement, Aug 30, 1962 - Completion Sept 11, 1962
7. The location, type, size and depth of well or wells contemplated See G.E. FILE 15, 1961
DRILLED 5 in. - 15-3 ft. deep
8. The probable or estimated depth of the water table or artesian aquifer 20 ft. or less
position correctly
9. Name, address and license number of the driller engaged Tom Franklin
Rte. 1, South Great Falls, Mont. License No. 34
10. Give such other similar information as may be useful

in carrying out the policy of this act.



Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Donald L. Matheson

Date _____

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

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

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

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

STATE OF MONTANA) #3196
COUNTY OF)
I, the undersigned, do hereby certify that within to
the best of my knowledge and belief the above is a true and correct copy of
NOV 14 1962

9:20 4
SECRET
W. P. Lewis

T.....R.....

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner *Donald Mulhern* Address *Great Falls, Mont.*

Driller *Thomas B. Franklin* Address *St. 1. So. Great Falls, Mont.*

Date of Notice of Appropriation of Groundwater *August 30, 1962*

Date well started *Aug 30, 1962* Date Completed *Sept 11, 1962*

Type of well *Drilled, Driven* Equipment Used *Cable tools*
(dug, driven, bored or drilled) (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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<i>5 inch</i>	<i>5 inch OD Oil Well Casing 14 lbs. per ft.</i>	<i>Top</i>	<i>Bottom</i>			

Static Water Level for non-flowing Well *25* feet.

Shut-in Pressure for Flowing Well

Pumping Water Level *35* feet at *8* gal. per minute.

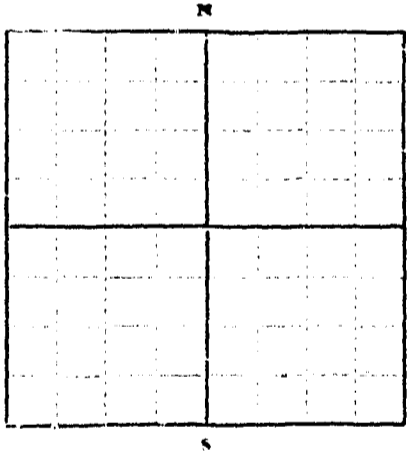
Discharge in gal. per min. of flowing well

How Tested *Seiler* Length of Test *4 hrs.*

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

Top of Ground
(Elev. above sea level.)

Blacial Drift thumbo from top to 150 ft. Then 150 to 153 sand and gravel. Water bearing formation, sand and gravel.



.....1/4..... Sec. T..... R.....
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

153 Show exact depth of bottom.

84
Driller's License Number
Thomas B. Franklin
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.

2625

STATE OF MONTANA #13195
County of Cascade

I hereby certify that the instrument was filed for record on

NOV 14 1962

9:25

J. L. LENTON
County Clerk

By [Signature] Deputy

Abstract B. Carroll

87

20
The original of this instrument was filed for record on Nov 12, 1962, at 120 ft. from the top of the monument, and the same was returned to the County Clerk on Nov 13, 1962.

1100

4700

22

8

82

Nov 2

1700
1000
1000
1000
1000
1000

1000

Abstract B. Carroll

Abstract B. Carroll

5604

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within is
correct as it was filed in this office on

SEP 10 1973

at 10:40 a.m.

J. E. [Signature]
County Clerk and Recorder

by [Signature]
Deputy.

5603

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

SEP 7 1972

4:15 P.M.

County Clerk in Charge.

J. D. Wilson
Deputy.

File No.

T. R.

DUPLICATE

County Cascade

RECEIVED

STATE OF MONTANA

NOV 20 1968

ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

LOG

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

Owner R. L. BRIDES Address Summit, Mont.

Driller Pat Byrne Address St. Falls, Mont.

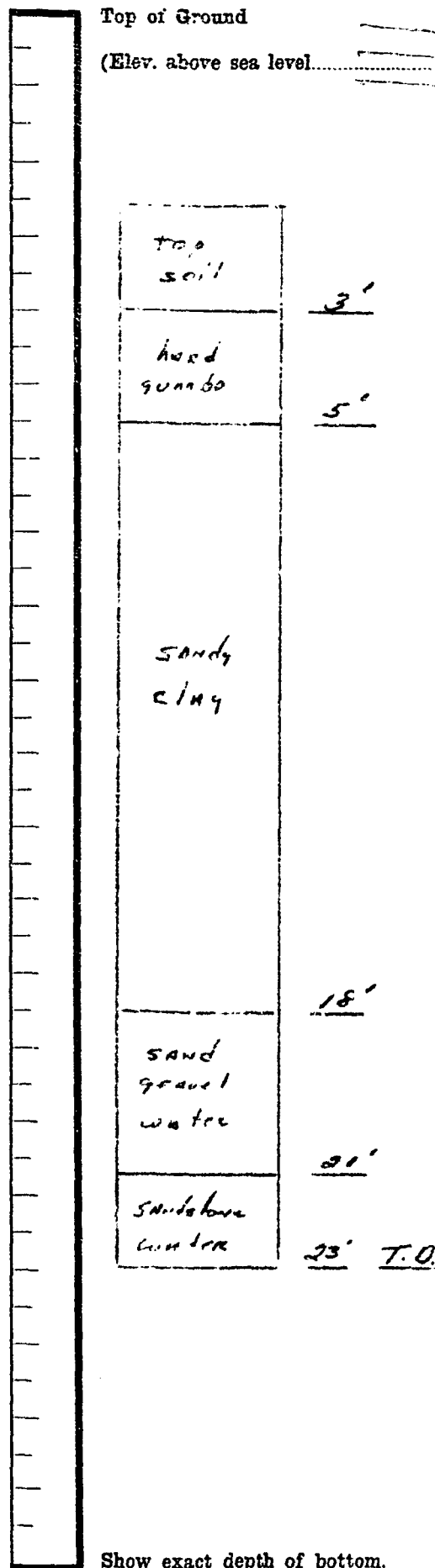
Date of Notice of appropriation of groundwater.....

Date well started 7-23-1968 Date completed 7-31-1968

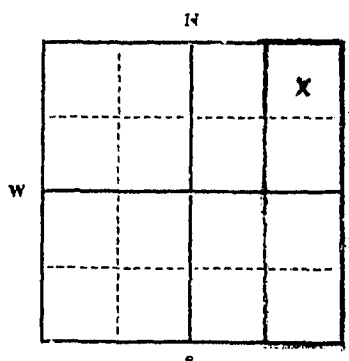
Type of well Drilled Equipment used Churn Drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	7" 20#	0	23	Not perforated		



Static Water Level for non-flowing well 10 feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level..... 22 feet at..... 25 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested..... Miller

Length of Test..... ONE HOUR

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

..... 1/4 Sec. T. R.
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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).

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

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

135
Driller's License Number
Pat Byrne
Driller's Signature

44,806

5133

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

AUG 19 1968

Date

at 2:22 o'clock P M

J. L. LENNON

County Clerk and Recorder

By A. E. Bateman

Deputy



T. _____ R. _____
County Butte

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Tommy Snyder Address St. Paul
Driller Bob Post Address Box 14 St. Paul
Date Started _____ Date Completed _____

Location: Sec. _____ T. _____ R. _____ ¼ sec. _____

Type of well Drilled Equipment used Churn Drill
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

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

Casing: 2 1/2 ft. to 7 1/2 ft. Type Galvanized Size 4 in. inside

Casing: _____ ft. to _____ ft. Type _____ Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. 7 1/2 to ft. _____ Ft. _____ to ft. _____

Type of screen or perforations none

Static Water level, for non-flowing well: 9 ft feet.

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

Pumping water level: 9 ft feet at 5 gal. per min.

How tested: with

Length of test: 2 min

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
no

(over)

