

File No. 82-608

T. 3N R. 14E

DUPLICATE

County Sweet Grass

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 27 1964

STATE ENGINEER

### Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 12/30/63

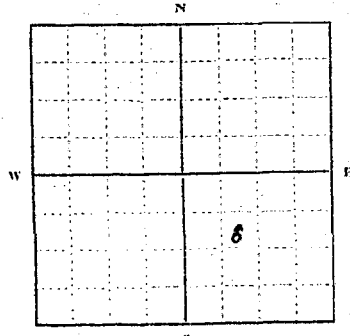
Owner Walter T. Plaggenburg Address Big Timber

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. Spring is surface flow from natural underground water sources.



NW 1/4 SE. Sec. 10. T. 3N. R. 14E  
Indicate point of appropriation and place of use, if possible.

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

estimate approximate lengths of periods of use. Spring flows ~~at~~ 8 g.p.m. year around and is used to water 150 head of cows.

Signature of Owner Walter T. Plaggenburg

Date 12/30/63

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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

82668

STATE OF MONTANA }  
County of Blaine }  
FILE NO. 93

of Jan 64

at 1145 P.M.

By Arne Hanson

Deputy

Department of  
Government  
Blaine, Montana

File No. 82183

T. 3 N R. 14 E

DUPLICATE

County Sweet Grass

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 26 1963

STATE ENGINEER

### Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 12/19/63

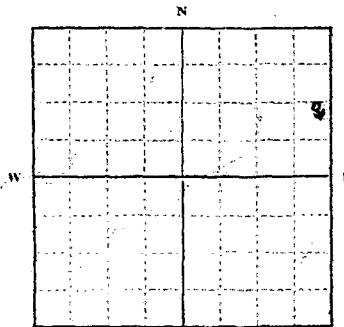
Owner Neil P. Bolt Address Big Timber Mont

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. Natural ground water flow from spring into water drainage.



SE 1/4 NE Sec 1 T. 3 N R. 14 E

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

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

estimate approximate lengths of periods of use. Spring waters 150 head of livestock continuously year around using about 500,000 gal. of water

Signature of Owner Neil P. Bolt

Date 12/19/63

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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

82183

STATE OF MONTANA }  
County of Sweet Grass } ss.

Filed this 19 day

of Dec 1963

at 5:00 P

Gene Ham

By \_\_\_\_\_  
Deputy

File No. 82250

T. 3 N R 14 E  
County Silver Lake

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 22 1964

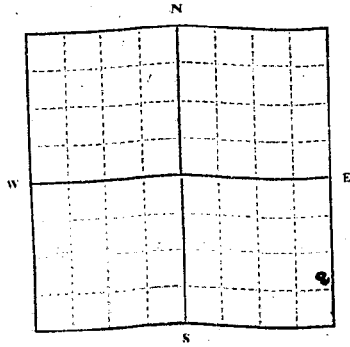
STATE ENGINEER

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 12/23/63  
Owner Horde Green Address High Prairie  
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. Spring is natural surface flow from natural underground water sources.



SE 1/4 SE. Sec. 12. T24N. R. 14E  
Indicate point of appropriation and place of use, if possible.

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

estimate approximate lengths of periods of use. Spring flows into wooden box 5' deep with pipe at 2 1/2 ft for use. Electric pump pulls water from box for household and stock use year around.  
Spring flows 15 gal. per min.  
Signature of Owner H. Horde Green

Date 12/23/63

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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

82250

STATE OF MONTANA } ss.  
County of Sweet Grass }

Filed this 23 day

of Dec A. D. 1963

at 6:20 o'clock P.M.

Archie H. Hahn  
County Clerk

By \_\_\_\_\_ Deputy

GV

Approved Stock Form—State Publishing Co., Helena, Montana—1921

File No. 82034

T. 3N R. 14E  
County Sweet Grass

DUPLICATE

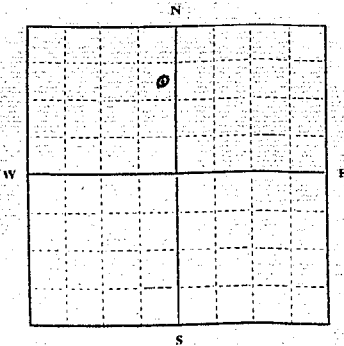
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 18 1963

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Lawrence J. Larson, of Big Timber  
(Name of Appropriator) (Address) (Town)  
County of Sweet Grass State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 NW Sec. 13 T. 3N R. 14E

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 household
- 3. Date or approximate date of earliest beneficial use, and how continuous the use has been old dug well redrilled in 1950 and continuous use since.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 g.p.m.
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric on the surface deep well pump

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Originally dug in about 1920 redrilled to sub surface water 8-1950 completed and cased 9-1950
- 8. The depth of water table 30 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 The well is approximately 150 ft deep completely cased with 5" casing.
- 10. The estimated amount of groundwater withdrawn each year 100,000 gal
- 11. The log of formations encountered in the drilling of each well if available

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

Signature of Owner Lawrence J. Larson  
Date 12/11/63

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.

4020

82034

STATE OF MONTANA, } ss.  
County of Sweet Grass. }

Filed this 11 day  
of Dec A. D. 19 63  
at 4:05 o'clock P. M.  
Gene Ham  
County Clerk.  
By \_\_\_\_\_  
Beyrady.

File No. 82184

T. T. N. R. 14 E  
County Sweet Grass

DUPLICATE

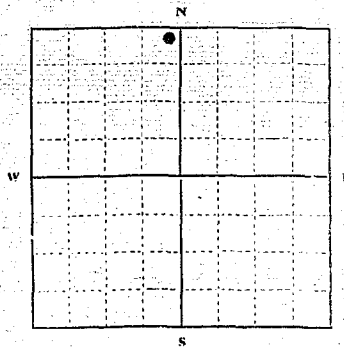
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 24 1963  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Neil P. Bolt, of Big Timber  
(Name of Appropriator) (Address) (Town)  
County of Sweet Grass State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 NW Sec. 14 T. 3 N. R. 14 E  
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based House and Livestock
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1945 and has been continuously used
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 gal per minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof only for yard and garden in acre
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Spring 1945
- 8. The depth of water table 30 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 This is a 6" diameter completely cased well 80 ft deep
- 10. The estimated amount of groundwater withdrawn each year 150,000
- 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 Neil P. Bolt  
Date 12/19/63

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.

82184

STATE OF MONTANA, }  
County of Sweet Grass. } ss.  
Filed this 19 day  
of Dec A. D. 1963  
at 505 o'clock P.  
Anne Ham M.  
County Clerk.  
By \_\_\_\_\_  
Deputy.

RECEIVED

GW 3 Revised 1969  
STATE PUBLISHING CO.-LITHO

County Great Grass

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 93021

June 21, 1973

GW 1 3:55 p.m.

Owner Laurence F. Larson

Address Big Timber, Montana

Contractor (if any) none

Address of Contractor used in late 1800s

Date Started 1880 Date Completed no development  
1910 natural spring

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

Natural spring not developed

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

gravity flow

3. Depth of water table 2 ft

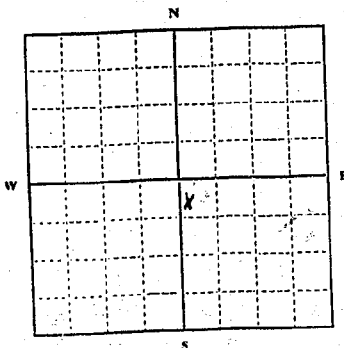
4. Use of the water stock water

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 40 miners inches

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

7. Estimate amount of water used each year 40 inches

8. Months of year spring flows 12 months



N.W. 1/4 S.E. 1/4 Sec 14

T. 3N N.R. 14 E. 3E

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.  
Elevation of spring, if known or estimated

\_\_\_\_\_

Signature of Owner

Laurence F. Larson

Date

6-21-73

53734

93024

STATE OF MONTANA }  
COUNTY OF SWEET GRASS }

ss.

Filed this 21 day

of June A. D. 1973

at 3:55 o'clock P.M.

Margaret J. Haggan  
County Recorder

By \_\_\_\_\_ Deputy

14

File No. 82035

T. 3 N. R. 14 E

DUPLICATE

County Sweet Grass

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 13 1963

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 12/11/63

Owner Laurance F. Larson Address Big Timber, Mont

Contractor (if any) Robert L. McHenry

Address of Contractor Big Timber, Mont

Date Started 4/1/63 Date Completed 12/11/63

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Both no. 1 + no. 2 are

springs of natural underground water flow. No. 1 dug 6', water level raised 3ft

and free flows to tank. No. 2 dug 2 1/2 ft

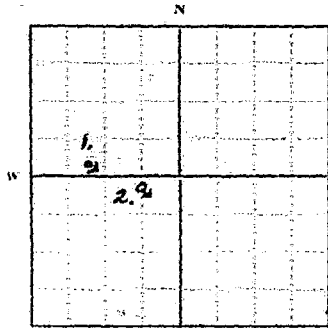
and water free flows from trench bottom to tank  
Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use Both springs are used year around to water 100 head

of cows. No. 1 runs 8 gpm year around and No. 2 runs 20 gpm year around

Signature of Owner Laurance F. Larson

Date 12/11/63



1. SW 1/4, NW Sec. 14, T. 3N, R. 14E  
2. NE 1/4, SW Sec. 14, T. 3N, R. 14E  
Indicate point of appropriation and place of use, if possible.

This form to be prepared by contractor (if any), otherwise by the owner.  
Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.  
Please answer all questions. If not applicable, so state, otherwise the form will be returned.  
Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

14

W 3

File No. 82035

T 3N R 14E  
County Sweet Grass

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 13 1963

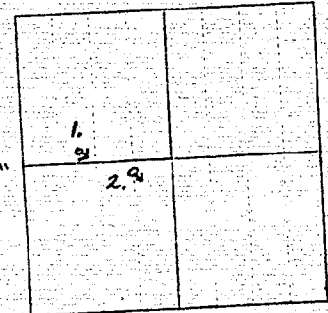
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 12/11/63  
Owner Lawrence F. Larson Address Big Timber, Mont  
Contractor (if any) Robert L. McHenry  
Address of Contractor Big Timber, Mont

Date Started 4/1/63 Date Completed 12/11/63

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Both no. 1 & no. 2 are



1. SW 1/4 NW  
2. NE 1/4 SW Sec 14 T 3N R 14

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

springs of natural underground water flow. No. 1 dug 6' water level raised 3 ft and free flows to tank. No. 2 dug 2 1/2 ft and water free flows from trench bottom to tank

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. Both springs are used year around to water 100 head of cows. No. 1 runs 2 gpm year around and No. 2 runs 20 gpm year around

Signature of Owner Lawrence F. Larson  
Date 12/11/63

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; Triuplicate to the Montana Bureau of Mines and Geology and Quadruplicate to the Appropriator.

82035-

STATE OF MONTANA }  
County of Sweet Grass } ss.

Filed this 11 day  
of Nov A. D. 19 63  
at 4:05 o'clock P.M.  
Paul Horn  
County Clerk  
By \_\_\_\_\_  
Deputy.

FILE NO. 82527

15.  
E.3 N 14E  
SYSTEM 33 COWEL

STATE OF MONTANA  
ADMINISTRATIVE DIVISION  
OFFICE OF STATE ENGINEER

NOTICE OF COMPLETION OF PERMITS APPLICATION  
WATER RIGHT  
(Under Chapter 237 Revised Statutes, 1941)

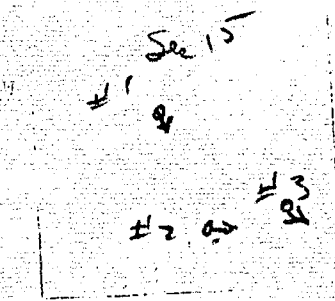
Date of appropriation of Groundwater: 1903  
Name of appropriator: James E Bickford Address: Big Timber Mont

Contractor (if any) \_\_\_\_\_

Address of Contractor \_\_\_\_\_

Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

Description of obtaining groundwater without a well "as by water infiltration and other natural processes". Include details to water when available. Gravelly Flow to Surface



0 -> Springs

- Indicate point of appropriation and date, or, if possible, Sec. 3N 14E
- #1 SE SE NW 1/4 Sec 15
  - #2 NW SW SE 1/4 Sec 15
  - #3 NW SE SE 1/4 Sec 15

Quantity of water developed and used with explanation of meter, gauge or estimate such as used. If no meter, estimate approximate levels of periods of use Year Round for Sweetcorn #1 10 Miner-drehs Cel #2 20 " " #3 20 " "

Signature of Owner: Mrs J. E. Bickford

Date: 12/31/63

and of landless and of the appropriator of the water described in the foregoing notice of completion of groundwater appropriation with reference to the person who has been designated as the appropriate person for the purpose of receiving notice of the completion of the appropriation.

Mrs James E Bickford

31 December 1963

Clara Haen  
County Public Service State of Montana  
Big Timber Mont

Jan 7 1964

82527

STATE OF MONTANA }  
County of Broadwater }

Filed on 19 day  
of Jan 1964  
at 475 P.M.  
Arne Hansen  
By \_\_\_\_\_  
Deputy.

File No. 92666

T. 3N R. 14E

DUPLICATE

County Sweet Grass

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 27 1964

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 12/30/63

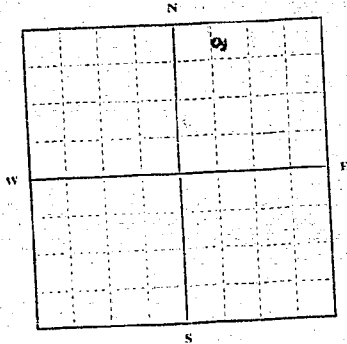
Owner Walt I. Plaggenmeyer Address \_\_\_\_\_

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. Spring is surface flow from natural underground water sources.



NW 1/4 NE Sec 15 T. 3N R. 14E

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

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

estimate approximate lengths of periods of use. Spring flows 5 g.p.m. and is used for stock water year around - 100 head of cows water from this spring.

Signature of Owner Walt I. Plaggenmeyer

Date 12/30/63

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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

82666

STATE OF MONTANA )  
County of Blaine ) ss.

Filed this 23

of Jan 64

at 1145 AM

Annie Horn

By \_\_\_\_\_  
Deputy.



16

File No. 8-2665

T. 2N R. 14E

County Sweet Grass

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECORDED  
JAN 27 1964

STATE ENGINEER

### Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

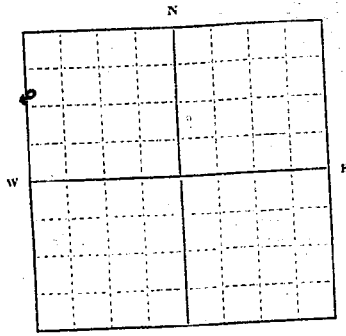
Date of Appropriation of Groundwater 12/30/63  
State of Montana  
Owner Walter L. Blaggen Address Big Timber, Mont

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. Spring is surface flow from natural underground water sources.



NW 1/4 NW Sec. 16, T. 2N, R. 14E

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

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

estimate approximate lengths of periods of use. Spring flows 39 pm and is used for 7 months watering 75 head of cows.

Signature of Owner Walter L. Blaggen

Date 12/30/63

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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

82665

STATE OF MONTANA }  
County of Sweet Grass. } ss.

Filed this 23 day

of Jan A.D. 1964

at 1145 A.M.

By Arne Haem

Deputy

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana—42199

File No. 82549

T. 3 N R 14 E

County Sweet Grass

DUPLICATE

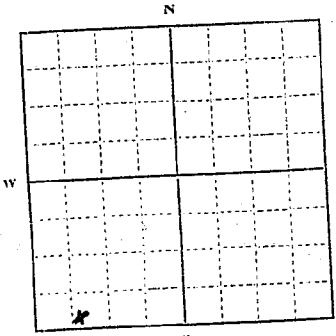
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 24 1964  
STATE ENGINEER

### Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater December 30, 1963  
Owner Burton A. Robinson Address Big Timber, Montana  
Contractor (if any) None  
Address of Contractor \_\_\_\_\_  
Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_



S. 1/4 SW Sec. 19 T. 3 N. R. 14 E  
Indicate point of appropriation  
and place of use, if possible.

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

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.

10 gallons per minute

Signature of Owner Burton A. Robinson  
Margaret L. Robinson  
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.

82599

STATE OF MONTANA }  
County of Sweet Grass } ss.

Filed this 21 day

of Jan A.D. 1964

at Boz M. A.

Arne Hansen

By \_\_\_\_\_  
Deputy.

GW 3  
FILE NO. 82491

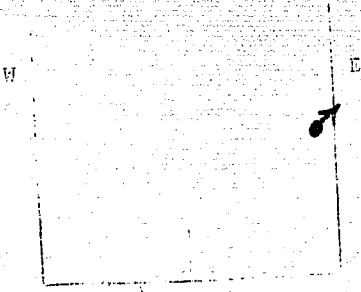
T. 3N R. 14E  
SWEET GRASS COUNTY

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 21 1964  
STATE ENGINEER

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION  
WITHOUT WELL  
(Under Chapter 237, Montana Session Laws, 1961)

Date of appropriation of Groundwater 1890  
Margaret Plaggenmeyer Address Big Timber, Mont  
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. Gravity Flow to Surface

Section T. 3N R. 14E  
Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use Year Round use  
Estimated 15-20 million gallons

SE SE 1/4 Sec 20

Signature of Owner Margaret Plaggenmeyer  
Date 12-31-63

STATE OF MONTANA  
COUNTY OF SWEET GRASS

Having first been duly sworn, depose and say that he of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation without well and the person whose name subscribed thereto, as the appropriator and claimant, that he know the contents of said foregoing notice and that the matters and things therein stated are true

Subscribed and sworn to before me, this 31 day of Dec, 1963  
Arnie Hansen  
Notary Public for the State of Montana  
Residing at Big Timber, Mont  
My Commission expires Jan. 2, 1967

82491

STATE OF MONTANA }  
County of Blaine } Co.

I, Arne Ham }  
of Jan } 1964

at 11:30 } A.M.

Arne Ham

By \_\_\_\_\_

File No. 71329

T. 3 N. R. 14 E.

DUPLICATE

County Sweetgrass

LOG

NOV 19 1971

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)



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

0-8 Top Soil

8-16 Quick Sand

16-27 Shale & Sandstone Gravel

27-34 Brown Clay

34-42 Hard Grey Sandstone (Water)

Doc. No. 91329

Filed for record  
this 18 day of November  
A. D. 19 71, at 1:30  
o'clock P.M.

Owner Paul Ploggeneyer Address Big Timber, Mont.

Driller B & H Drilling Address Big Timber, Mont.

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

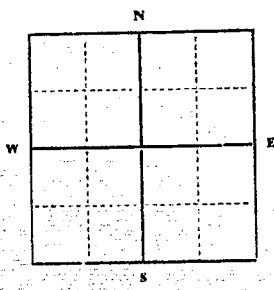
Date well started 11/8/71 Date completed 11/9/71

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 inch	6 5/8 18.97	18 1/4	35 1/2	None		



Static Water Level for non-flowing well ..... 9 feet.

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

Pumping Water Level 35 feet  
at 20 gal. per minute.

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

How Tested Bailer

Length of Test 3 hrs

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

40 1/4 Sec. 21 T. 21 R. 14 E  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Drove steel casing into hard grey sandstone 1 1/2 ft.

(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.

42 ft.

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.

No. 37  
Driller's License Number  
Paul L. Hagan  
Driller's Signature

44433

91329

STATE OF MONTANA, }  
County of Sweet Grass, } ss.

Filed this 18 day

of November A. D. 1922

at 1:30 P. M.

by Margaret D. Layman  
Clerk.

Deputy.

File No. 82320

T. 3N R. 14E  
County Sweet Grass

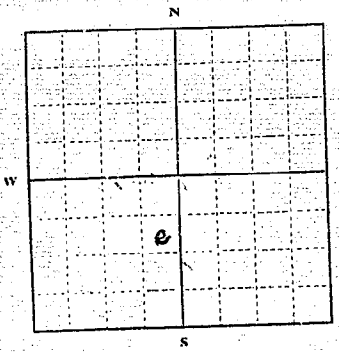
DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 30 1963

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

1. James D. Howe (Name of Appropriator), of Big Timber (Town),  
County of Sweet Grass, State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 21 T. 3N R. 14E  
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.  
SE 1/4 NE 1/4 SW 1/4

- 2. The beneficial use on which the claim is based: Household & stock water
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been: not known. Believed to be 50-60 years old
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute): 15 gals per minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: not applicable
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Electric pump
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: UNKNOWN
- 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: UNKNOWN - Appropriator recently purchased place. Unable to get any information on well
- 10. The estimated amount of groundwater withdrawn each year: 250,000 gallons
- 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: none

Signature of Owner James D. Howe  
Date 12/27, 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; Triuplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

15450

82320

STATE OF MONTANA, }  
County of Sweet Grass. } ss.

Filed this 27 day  
of Dec A. D. 1963  
at 11:5 o'clock P.M.  
Arma Harris  
County Clerk.  
By \_\_\_\_\_ Deputy.

SV 3  
FILE NO. 82528

E. 3 W R. 14 E  
SWEET SPRING COWLEY

STATE OF MONTANA  
ADMINISTRATION OF THE WATER CODE  
OFFICE OF STATE ENGINEER

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION  
PERMIT WELL  
(Under Chapter 237, Montana Statutes, 1941)

Date of appropriation of Groundwater: 12/31/63

Contractor (if any): James E. Bickford  
Address: ~~Big Timber~~ <sup>Big Timber</sup>

Address of Contractor:

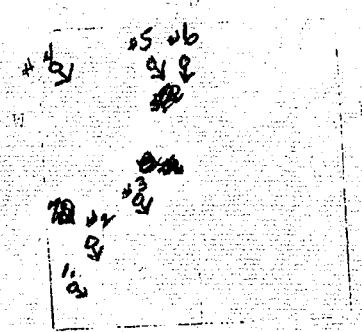
Date Started: Date Completed:

Describe means of obtaining groundwater without a well "as to identification and other natural properties". Include depth to water when applicable.

Spring No. 1 is developed with 2 collection box then piped to the house for house hold use; Springs No. 2 & 3 are surface flow; No 3 flows

10 meters incl. Spring No. 1 & 2 flow 50% water developed and used with expanse of water used to measure or estimate such amount. If use is intermittent estimate approximate length of periods of use.

Springs 2 & 3, 4, 5, 6 are used for stock water year around and Spring No. 1 for horse water year around



1. SW 1/4 Sec 22
2. SE 1/4, NW 1/4 Sec 22
3. NW 1/4, NE 1/4 Sec 22
4. NW NW 1/4 Sec 22
5. NE NE NW 1/4 Sec 22
6. NE NE NW 1/4 Sec 22

Flow	Rate	Time	Date
#1	50	minutes	12/31/63
#2	50	"	"
#3	10	"	"
#4	10	"	"
#5	10	"	"
#6	10	"	"

I, the undersigned, State Engineer of Montana, do hereby certify that the above is a true and correct copy of the original record of the appropriation of groundwater as shown on the map and the person who has subscribed thereto, as the appropriator, and claimant, and that the contents of said foregoing notice and that the matters and things therein stated are true.

Mrs James E. Bickford  
Big Timber, Montana  
12/31/63

87528

STATE OF MONTANA, }  
County of Sweet Grass. } ss.

Filed this 19 day  
of Jan A D 19 64  
at 425 O. R. M.  
Arne Haens  
County Clerk.  
By \_\_\_\_\_  
Deputy.

File No. 82509

T. 3N R. 14E

DUPLICATE

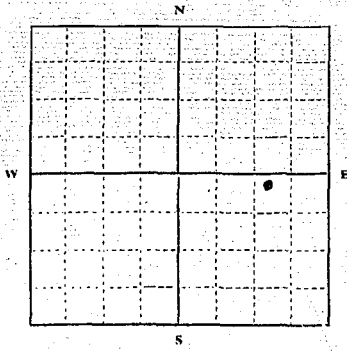
County Sweet Grass

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. James M. Cain, of Big Timber  
(Name of Appropriator) (Address) (Town)  
County of Sweetgrass State of Mont.  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 SE Sec. 24, T. 3N, R. 14E

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 household - stock water
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1955 and use has been continuous
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 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 1/2 acre lawn & garden
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Winter (Jan. 1955)

8. The depth of water table 10 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well is drilled to 120 ft and cased completely to 120 ft with 6" casing.

10. The estimated amount of groundwater withdrawn each year 400,000 gal

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 James M. Cain  
Date Dec. 31, 1963

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

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

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

82509

STATE OF MONTANA }  
County of Sweet Grass } SE.  
Filed this 19  
of Jan 64  
at 2:10 P  
By Arne Hoem  
Deputy.

FILE NO. 82510

T. 3N R. 14E  
SWEETWATER COUNTY

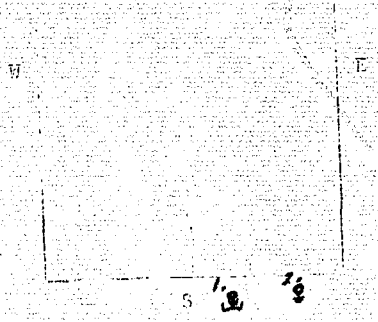
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 21 1964

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION  
TIERTH WELL  
(Under Chapter 237 Montana Session Laws, 1961)

STATE ENGINEER

Date of appropriation of Groundwater  
Owner Address 12/31/63  
Contractor James M. Cain Big Timber Mont  
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

No. 1 is developed with perforated pipe to a concrete collection box then to stock tank. No. 2 is natural surface flow.

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

No. 1 flows 7 gpm  
No. 2 flows 30 gpm. Both springs are used year around

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

1. SW 1/4, SE 24 3N 14E  
2. SE 1/4, SE Sec. 24

Signature of Owner  
Date James M. Cain  
12/31/63

STATE OF MONTANA  
COUNTY OF SWEETWATER

having first been duly sworn, depose and say that he of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation without well and the person whose name subscribed thereto, as the appropriator and claimant, that he know the contents of said foregoing notice and that the matters and things therein stated are true

Subscribed and sworn to before me, this 31 of December 1963

Notary Public for the State of Montana  
Residing at

My Commission expires Big Timber, Mont  
Jan 7 67

82510

STATE OF MONTANA }  
County of \_\_\_\_\_ }  
Filed \_\_\_\_\_ 19 \_\_\_\_\_ day  
of Jan 1964  
at 210 P.M.  
Arne \_\_\_\_\_  
By \_\_\_\_\_  
County.

RECEIVED  
AUG 23 1965

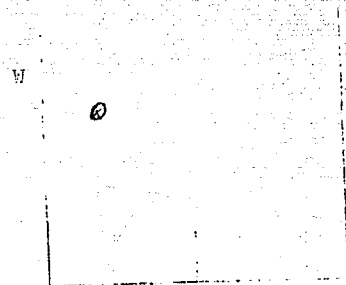
13  
FILE NO. 84838

T. R.  
SVELT GRASS COUNTY

REFERRED TO  
STATE OF MONTANA  
ADMINISTRATIVE DEPARTMENT  
OFFICE OF STATE ENGINEER

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION  
TWIN T WELLS  
(Under Chapter 237 Montana Statutes, 1941)

Date of appropriation of Groundwater  
Owner *James Wilson* Address *Big Horn Road*  
Contractor (if any)  
Address of Contractor  
Date Started Date Completed *8/17/65*



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

Sec 27 T 34 N 14 E  
Indicate point of appropriation and place of use, if possible.

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

Signature of Owner *James M. Cum*  
Date *8/20/65*

STATE OF MONTANA  
COUNTY OF SVELT

Having first been duly sworn, depose and say that he of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation without well and the person whose name subscribed hereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me, this 20th day of August, 1965

Notary Public for the State of Montana  
Residing at *Big Horn*

My Commission expires *8/2/68* 1968

R E C E I V E D  
AUG 23 1965

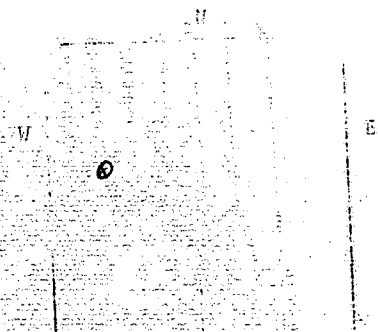
FILE NO. 84838

REFERRED TO \_\_\_\_\_

T. R.  
SWEET GRASS CREEK

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION  
HYDRAULIC WELL  
(Under Chapter 237 Montana Statute Laws, 1961)



Date of appropriation of Groundwater  
*James M. ... Sweet Grass Creek*

Contractor (if any) \_\_\_\_\_

Address of Contractor \_\_\_\_\_

Date Started \_\_\_\_\_ Date Completed *11/1/65*

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

Sec 23 T3N14E  
Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate length of periods of use.  
*100 gal per minute*

Signature of Owner *James M. ...*

Date *11/1/65*

STATE OF MONTANA  
COUNTY OF \_\_\_\_\_

Having first been duly sworn, depose and say that he of lawful age and of the order and water right mentioned in the foregoing notice of appropriation of groundwater appropriation without well and the person named therein, that he know the contents of said foregoing notice and that the contents and things therein stated are true

Subscribed and sworn to before me, this 1st day of \_\_\_\_\_, 1965

Notary Public for the State of Montana  
Residing at \_\_\_\_\_  
My Commission expires \_\_\_\_\_ 1967

James M. Cain  
84838

STATE OF MONTANA, }  
County of Sweet Grass, }  
Filed this 20 day  
of Aug A. D. 19 65  
at 11:45 o'clock A.M.  
Arne Haum  
County Clerk.  
By \_\_\_\_\_  
Deputy

File No. 27-321

T. 31 R. 14E

DUPLICATE

County Sweet Grass

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

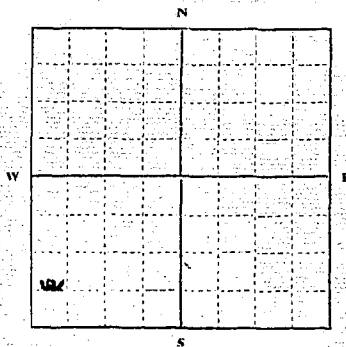
RECEIVED  
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. James D. Howe (Name of Appropriator) of Big Timber (Town) County of Sweetgrass State of Montana have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1. Sec 28 T. 31 R. 14E  
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.  
NW 1/4 SW 1/4 SW 1/4

- 2. The beneficial use on which the claim is based. STECK WATER IRRIGATION
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Fall 1958
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gals per minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. USED TO IRRIGATE 2 ACRES AT HOUSE FOR GARDEN
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. ELECTRIC PUMP
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. STARTED & COMPLETED FALL 1958
- 8. The depth of water table. 62 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. 72 FT. DRILLED WELL 54 CASING CASED & APPROXIMATELY 40'
- 10. The estimated amount of groundwater withdrawn each year. 500,000 GALLONS
- 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. NONE

Signature of Owner James D. Howe  
Date 12/27, 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.

15951

82321

STATE OF MONTANA }  
County of Sweet Grass } ss.

Filed this Dec 27 day  
of Dec A D 19 63  
at 1:20 P. M.  
Arne Horn  
County Clerk  
By \_\_\_\_\_  
Deputy

File No. 82673

T. 3N R. 14E  
County Sweet Grass

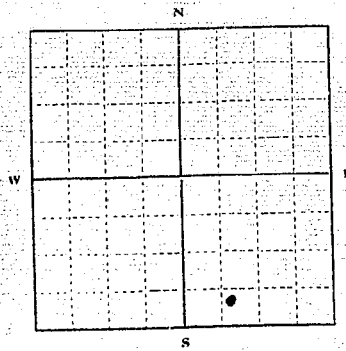
DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 27 1962

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

1. Walter P. Pez, of Big Timber, (Town)  
(Name of Appropriator) (Address)  
County of Sweet Grass State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 SE Sec. 28 T3N R. 14E

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. House hold and Livestock
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1895 and use has been continuous
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 10 g.p.m.
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. 4 1/2 ac. lawn and garden
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Electric pump

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1892 Est.
- 8. The depth of water table. 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 is drilled 55' deep cased to 30 ft with 6" casing.
- 10. The estimated amount of groundwater withdrawn each year. 250,000 gal
- 11. The log of formations encountered in the drilling of each well if available
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Walter Pez  
Date 12/30/65

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.

34074

82673

STATE OF MONTANA, }  
County of Sweet Grass } ss.

Filed this 23 day  
of Jan A. D. 1964  
at 155 Street P. M.  
Archie Adams  
County Clerk  
By \_\_\_\_\_  
Deputy.

Form No. 18  
8-60

T. 3 North R. 11 East  
County Sweet Grass

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
JAN 19 1967

Water Well Log

STATE ENGINEER

		*
		*
		*
		*

Owner Don Stuart Tetlie Address Big Timber, Montana  
 Driller \_\_\_\_\_ Address \_\_\_\_\_  
 Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_  
 Location: Sec. 28 T. 3N R. 11E  $\frac{1}{4}$  sec. ENE

Type of well Stockwater & irrigation springs Equipment used \_\_\_\_\_  
(Dug, driven, 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)

There are numerous springs that start in this ENE  $\frac{1}{4}$  Sec. 28, 3N 11E. The water from these springs is used for stockwater, but some has been used for irrigation too. Combined flow from all these springs is about 1 cubic foot or second or 10 minutes inches.

(over)



Form No. 18  
8-60

T. 3 North R. 14 East

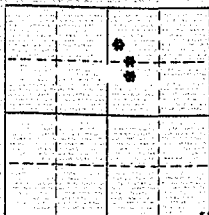
County Sweet Grass

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
JAN 18 1951

Water Well Log

STATE ENGINEER



Owner Don Stuart Telle Address Big Timber, Montana

Driller \_\_\_\_\_ Address \_\_\_\_\_

Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

Location and Sec. 28 T. 3N R. 14E 1/4 sec. SW 1/4 NE 1/4

Stock Water Springs

Type of well \_\_\_\_\_ Equipment used \_\_\_\_\_  
(Dug, driven, 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)

There is a series of springs in this SW 1/4 Sec. 28, 3N 14E. The spring in the extreme

SW corner of this SW 1/4 is used for stock and headquarters use, the other two springs

are both used for stockwater.

The combined flow of these three springs is 1 cfs or 40

Miners inches.

(over)



T. 30 R. 14 E  
 County Sweet Grass  
 RECEIVED

MONTANA BUREAU OF MINES AND GEOLOGY  
 Butte, Montana

WATER WELL LOG STATE ENGINEER

	07	

Owner Walter Papez Address Big Timber Mon  
 Driller \_\_\_\_\_ Address \_\_\_\_\_  
 Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_  
 Location: Sec. 28 T. 30 R. 14E 1/4 sec.

Type of well Spring 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)

10 Md of water N E S E 1/4 Sec 28 T. 30 R. 14 E

This spring is year around stock water

(over)



File No. 87748

T. 3N R. 14E

DUPLICATE

County Sweet Grass

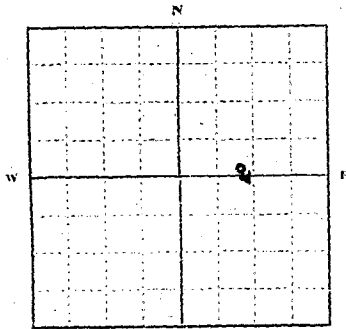
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 28 1963

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Dec 23, 1963  
Owner Abe Plaggmeyer Address Big Timber, Mont  
Contractor (if any) none  
Address of Contractor none  
Date Started UNKNOWN Date Completed UNKNOWN



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

gravity flow

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

25 gals per minute  
estimated flow - year  
around household & stock  
water use

1/4 Sec. 29 T. 3N R. 14E  
Indicate point of appropriation and place of use, if possible.  
SE 1/4 SW 1/4 NE 1/4

Signature of Owner Abe Plaggmeyer

Date Dec 23, 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.





82516

STATE OF MONTANA }  
County of \_\_\_\_\_ } SR

FILE NO. 19  
DATE Jan 1964  
PAGE 300  
NAME Arne Haem  
DENSEY

T. 3 North R. 14 East

County Sweet Grass

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
STATE ENGINEER

WATER WELL LOG

Section 31

		x x
	x	

x springs

Owner Paul Davis Address Big Timber, Montana

Driller Address

Date Started Date Completed

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

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

(3) springs Flows total 25 miners inches of water flow

(over)



T. 3 North R. 14 East

County Sweet Grass

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER

*Sec 32*

X			X
	X		X
		X	X

Owner McPaul Davis Address Big Timber, Montana

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 packing, cementing, packers, type of shut-off, depth of shut-off)

(6) Spring total flows 45 miners inches of water.

(over)



T. 3N R. 14E

County Sweet Grass

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

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WATER WELL LOG

STATE ENGINEER

7		
0	0	
3		

Owner Walter Papez Address Bagtimber Mont

Driller \_\_\_\_\_ Address \_\_\_\_\_

Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

Location: Sec. 33 T. 3N R. 14E 1/4 sec

Type of well spring 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)

1 5 MG of water SE NW 1/4 }  
 2 4 MG of water NW NW 1/4 } Sec 33  
 3 5 MG of water SW NW 1/4 }  
 These are springs; Number 2 is for  
 domestic + stock Number 1 + 3 are for stock  
 water year (over) around



Form No. 18  
8-60

T. 3 North R. 14 East

County Sweet Grass

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

	*	

Owner James A. Stephens and Opal Address Big Timber, Mont.

K. Stephens

Driller Unknown

Address \_\_\_\_\_

Date Started Sept. 1961

Date Completed Sept. 1961

Location: Sec. 34 T. 3N R. 14E  $\frac{1}{4}$  sec. SE $\frac{1}{4}$ NE $\frac{1}{4}$

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

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other \_\_\_\_\_

Casing: one ft. to 37 ft. Type 20 Gauge Size 4 inch  
galvanized steel

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: from top sixty feet.

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

Pumping water level sixty feet at 13 gal. per min.

How tested: \_\_\_\_\_

Length of test \_\_\_\_\_

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

All shale rock

(over)

