

GW 2

File No. 81469

DUPLICATE

T. 13 R. 13County Sandwich

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
JUL 8 - 1963

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Ray Iron Address Big TimberDriller Albert Heck Address Harmon, Mont

Date of Notice of Appropriation of Groundwater

Date well started 7/2 Date Completed 7/5

Type of well Equipment Used

(dug, driven, bored or (Churn, drill, rotary or drilled) 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 1/2"	6 1/2" 22 lb. Iron	1	35 ft	4" x 4" S. end	37	38

Static Water Level for non-flowing Well 35 feet.

Shut-in Pressure for Flowing Well

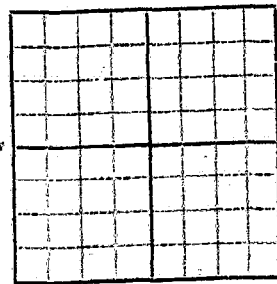
Pumping Water Level 35 feet at 30 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Balers Length of Test 3 Hours

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

acres irrigated, if used for irrigation)



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.

Driller's License Number 114Driller's Signature Albert Heck

Driller's Signature

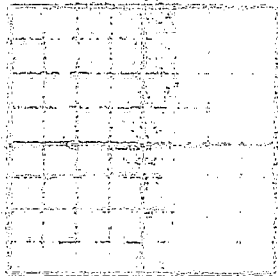
This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

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 School of Mines and Quadruplicate for the Appropriator.

4940

81469



one here by reference to the
of a petition to use the water
of the surface of the same

STATE OF MONTANA
County of Sweet Grass

Filed this 5

of July 10 1862

A. D. 1862

at 10 o'clock A. M.

Amos Hain

County Clerk

By

Deputy

13
FILE NO. 82713

19
T. 1N R. 13E
SWEET GRASS COUNTY

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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 Dec 31 1963

Owner *James H. Murphy* Address *110 6th St*

Contractor (if any) *None*

Address of Contractor *None*

Date Started *July 1962* Date Completed *Dec 31 1963*

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable
1. 1/2" x 4" hole in rock at depth of 10' to 12' to 14' to 16' to 18'

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
Approx. 1000 to 1500 gals per day

Signature of Owner *James H. Murphy*

Date *Dec 31 1963*

1. SW 1/4 Sec 19 T. 1N R. 13E
Indicate point of appropriation and place of use, if possible.
2. NW 1/4 NE Sec 19

STATE OF MONTANA } ss.
COUNTY OF SWEET GRASS

T. James Murphy

say that he having first been duly sworn, depose and of lawful age and the appropriator 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 knew 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

T. James Murphy
James H. Murphy
Notary Public for the State of Montana
Residing at *Big Timber, Mont*

My Commission expires *Jan 1 1967*

FILE NO. 82713

T. 1N R. 13E
SHEET GRASS COUNTY

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Owner *T. James Murphy* Address *Box 695*

Contractor (if any) _____

Address of Contractor _____

Date Started *Jan 1/62* Date Completed *Nov 1962*

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

Flow in surface water
4' x 4' wooden box thru pipe
leading to well 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.

Approx 1000 - 1500 gals per day
approx 1000 - 1500 gals per day

Signature of Owner

T. James Murphy

Date *12/1/63*

1. SW 1/4 Sec 17 T. 1N R. 13E
Indicate point of appropriation and place of use, if possible.
2. NW 1/4, NE 1/4 Sec 17

STATE OF MONTANA
COUNTY OF SHELBY GRASS

T. James Murphy

_____, 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* 19*63*

T. James Murphy
Alice Hamm
Notary Public for the State of Montana
Residing at *Big Timber, Mont*
My Commission expires *Jan 1, 1967*

82713

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

Filed this 23 day
of Jan A D 19 64
at 900 o' P M.
By Archie Haines
Clerk.
By _____ Deputy.

GW 3

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

File No. 82077T. 1 N R 13 E

DUPLICATE

County San Juan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 18 1963

STATE ENGINEER

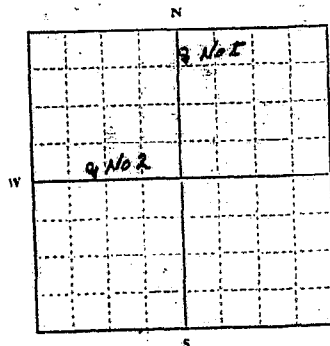
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....

Owner Mackey, Frank Address.....Contractor (if any) NONEAddress of Contractor NONEDate Started UNKNOWN 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 Hand dug water holeNo 2 gravity flow

1/4 Sec. 20 T14N R13E
Indicate point of appropriation
and place of use, if possible.

No 1-NW 1/4 NW 1/4 NE 1/4 Sec 20
No 2-SE 1/4 SE 1/4 NW 1/4 Sec 20

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 1-2-10 gals per minuteestimated pipe flow5 months summer & fall useSignature of Owner Frank P MackeyDate 12/14/63by Elmer Healand

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.

82077

STATE OF MONTANA }
County of Sweet Grass. }

Filed this 16 day
of Dec A.D. 1963
at 10:35 o'clock AM
Arine Hansen
County Clerk
By _____ Deputy

GW 3

File No. 82536

DUPLICATE

RECEIVED

Approved Stock Form—State Publishing Co., Helena, Montana—42262

FEB 28 1964

T.1N. R.13E

County Sweetgrass

STATE ENGINEER

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

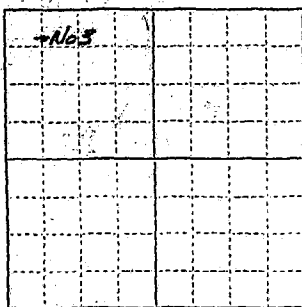
OFFICE OF STATE ENGINEER

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 10-27-63Owner Camp BrosAddress Big Timber MontContractor (if any) noneAddress of Contractor noneDate Started UNKNOWNDate Completed UNKNOWNDescribe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable gravity FlowFrom underground Sources1/4 Sec 23 T.1N. R.13E

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

No 3 - NW 1/4 NW 1/4 NW 1/4

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 Flows5 gals per minute estimatedyear around stock wateruseSignature of Owner Camp BrosDate 10-27-63

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.

33668

82536

STATE OF MONTANA } ss.
County of Sweet Grass.

Filed this 20 day
of Jan A. D. 1964
at 8:30 o'clock P.M.
Aune Haun
By _____ Clerk
Denny

RECEIVED
JAN 20 1964
COUNTY CLERK
SWEET GRASS

STATE OF MONTANA
COUNTY OF SWEET GRASS

NOTICE OF
ADJOURNMENT

TO THE
JURY

IN THE
COURT

OF THE
COUNTY OF SWEET GRASS

STATE OF MONTANA

IN THE
COURT

OF THE
COUNTY OF SWEET GRASS

STATE OF MONTANA

IN THE
COURT

OF THE
COUNTY OF SWEET GRASS

STATE OF MONTANA

IN THE
COURT

OF THE
COUNTY OF SWEET GRASS

STATE OF MONTANA

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana—42262

File No. 82535

T. 1N R. 13E
County Sweet Grass

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 22 1964

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 12/27/63

Owner Camp Bros Address Big Timber Mont

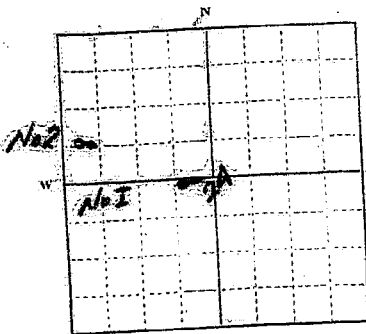
Contractor (if any) none

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 from
underground Sources



1/4 Sec 24 T1N R13E
Indicate point of appropriation and place of use, if possible.

No 1 - NE 1/4 NE 1/4 SW 1/4
No 2 - NW 1/4 SW 1/4 NW 1/4

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 Springs
Flow approx 5-8 gals per
minute estimated - Used
year around for stock
water

Signature of Owner

Camp Bros
Big Timber AA Camp

Date Dec. 27, 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.

82535

STATE OF MONTANA }
County of Sweet Grass }

Filed this 20 day

of Jan A D 1964

at 8:30 o'clock A.M.

Arne Haenig
Clerk

By _____
Deputy

Handwritten notes and signatures in the right margin, including a list of names and dates.

Faint, mostly illegible handwritten text covering the lower half of the page, possibly a list or ledger.

5 1973

STATE OF MONTANA
DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION
STATE PUBLISHING CO. - LITHO

County Sweet 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)

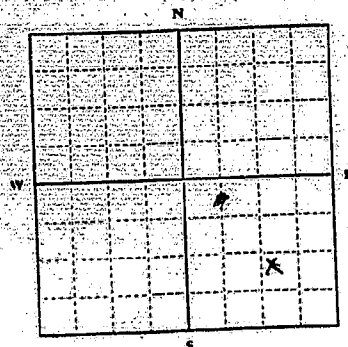
This form to be prepared by contractor (if any), otherwise by the owner.
Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.
Please answer all questions. If not applicable, so state, otherwise the form may be returned.

For Administrator's Use

File 93091
6-23-73

GW 1 910 A.m.

Owner Byarne Mosness
Address Big Timber, Mont Box 374
Contractor (if any) none
Address of Contractor none
Date Started 1938 Date Completed 1948
1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) Developed Spring



NW 1/4 SE 1/4 Sec. 28

T. 1 N. R. 13 E. W. S.

INDICATE POINT OF APPROPRIATION
AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or estimated 4,000 ft.

2. Means of withdrawing water (gravity, pump, canal, etc.) Pump
3. Depth of water table 8 ft
4. Use of the water house, livestock
lawned and garden irrigation
5. Amount of groundwater claimed (in miner's inches or gallons per minute) 500 gal. per minute
6. If used for irrigation, give number of acres and description of land garden & lawned
1 acre
7. Estimate amount of water used each year 365,000
gal.
8. Months of year spring flows year around

Signature of Owner Byarne Mosness
Date June 28, 1973

55,668

93091

STATE OF MONTANA

COUNTY OF SWEET GRASS

Filed this 29 day

of June A. D. 1922

at 9.10 o'clock P. M.

Margaret Haggan
County Recorder

By _____ Deputy

GY

Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No. 82078T. 1 N. R. 13 E.

DUPLICATE

County Sweet Grass

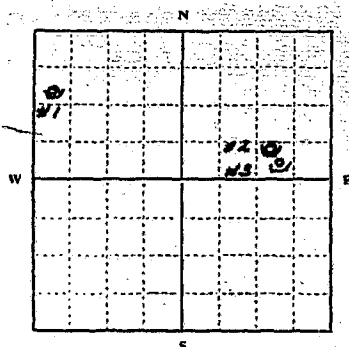
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 18 1963
STATE ENGINEER

1. Frank Mackey of Belling, Montana
(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:



$\frac{1}{4}$ Sec. T. R.

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

No 1 - SW 1/4 NW 1/4 Sec 34
No 2 & 3 - SW 1/4 SE 1/4 NE 2 Sec 34

2. The beneficial use on which the claim is based No 1 & 2 stockwater
No 3 - House hold use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been No 1 & 2 - 1910 approximate
No 3 - 1961

4. The amount of groundwater claimed (in miner's inches or gallons per minute). All wells pump 15 gals.
per minute (minimum)

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
No 1 - PUMP JACK
No 2 & 3 - electric PUMP

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater No 1 & 2 - 1910 (approximate)
No 3 - started & completed (Fall 1961)

8. The depth of water table No 1 UNKNOWN - No 2 & 3 - 25 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
No 1 - UNKNOWN
No 2 - 10 ft deep - 6" casing
No 3 - 25 ft deep - 6" casing

10. The estimated amount of groundwater withdrawn each year 200,000 gals each well

11. The log of formations encountered in the drilling of each well if available
No 1 - UNKNOWN
No 2 & 3 - Sand, gravel, & 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
No 1 & 2 - None
No 3 -

Signature of Owner

Frank P Mackey

Date

12/16/63

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 Quaduplicate for the Appropriator.

4886

82098

STATE OF MONTANA,
County of Sweet-Graass. } ss.

Filed this 16 day

of Dec A. D. 1963

at 10:40 o'clock A. M.

Arne Hansen
County Clerk.

By _____ Deputy.

File No.

T. 1 N R. 13 E

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVEDCounty Sweetgrass

LOG

SEP 17 1968

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Top of Ground

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

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

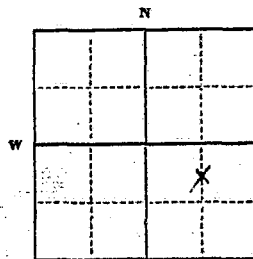
(Under Chapter 237 Montana Session Laws, 1961, as amended)

STATE OF MONTANA

Owner FISH AND GAME DEPT. Address HELENA, MONTANADriller VAN DYKEN DRILLING CO. Address BOZEMAN, MONTANADate of Notice of appropriation of groundwater NONEDate well started 1/22/67 Date completed 1/22/67Type 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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	8 5/8" O.D. 1" wall	0'	9'	none		

WELL NO. 3.
VAGES BRIDGE.Static Water Level for non-flowing well dry. feet.Shut-in Pressure for Flowing Well nonePumping Water Level none feet
at none gal. per minute.Discharge in gal. per min. of flowing well noneHow Tested noneLength of Test noneRemarks: (Gravel packing, cementing, packers, type of shutoff) Drilled intohard lavender colorshale @ 7' so plugged andabandoned well. Dry.SE 1/4, Sec. 35 T.1N R.3E
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).

WELL ABANDONED

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.

LICENSE NO. 1

Driller's License Number

Robert Van Dyken
Driller's Signature.

44, 580

87753

STATE OF MONTANA.

County of Sweet Grass.

Filed this 16 day

of Sept A. D. 19 68

at 10:41 o'clock A. M.

County Clerk.

By Mary Ann MacDonnell Deputy.

File No. _____

MONTANA WATER RESOURCES BOARD

T 1 N R 13 E

DUPLICATE

RECEIVEDCounty Sweetgrass

LOG SEP 17 1968

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Top of Ground _____

(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, as amended)

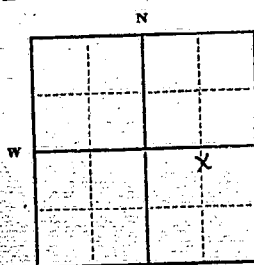
STATE OF MONT.

Owner FISH AND GAME DEPT. Address HELENA, MONTANADriller VAN DYKEN DRILLING CO. Address BOZEMAN, MONTDate of Notice of appropriation of groundwater noneDate well started 1/3/67 Date completed 1/15/67Type 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.

1 G.P.M. water
at 26' and 4 G.P.M.
at from 60' to 62'WELL NO. 1 LOCATED
AT VEGAS BRIDGE.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" O.D. 19#	0	16'	none		

Static Water Level for non-flowing well 6 feet.Shut-in Pressure for Flowing Well nonePumping Water Level 62' feet
at 5 gal. per minute.Discharge in gal. per min. of flowing well noneHow Tested test pumpLength of Test 5 hrs.Remarks: (Gravel packing, cementing, packers, type of shutoff) Water wouldnot clear up at casingwas pulled and hole wasplugged and abandoned.

(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).

WELL ABANDONED

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.

LICENSE NO. 1

Driller's License Number

Driller's Signature B. Van Dyken

44,582

87751

STATE OF MONTANA

County of Sanders

Filed this 16

of Sept

at 10:31

ss.

19 68

A.M.

By *Mary Ellen McDowell*
Deputy

File No.

DUPLICATE

T. 1 N. R. 13 E

County SweetgrassMONTANA WATER RESOURCES BOARD
RECEIVED
SEP 17 1968STATE OF MONTANA
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)

STATE OF MONTANA

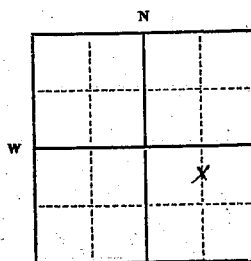
Owner FISH AND GAME DEPT.Address HELENA, MONTANADriller VAN DYKEN DRILLING CO.Address BOZEMAN, MONTANADate of Notice of appropriation of groundwater. NONEDate well started. 1/1 Date completed. 1/16/67 to 1/22/67Type of well Drilled Equipment used Cable tools
(Dug, driven, bored or drilled) (Churn drill, 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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" O.D. 19# P.E.	0'	9'6"	none		

WELL NO. 2
VAGAS BRIDGE.

T.D. 12'

Static Water Level for non-flowing well 7' feet.Shut-in Pressure for Flowing Well nonePumping Water Level none feet
at well only gal. per minute.Discharge in gal. per min. of flowing well noneHow Tested BailerLength of Test shortRemarks: (Gravel packing, cementing, packers, type of shutoff) Little waterSE 1/4 Sec. 35 T. 1 N. R. 13 E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.seepage @ 10'6". Drilled into hard shale @ 12' so plugged and abandoned the well.

(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)

WELL ABANDONED

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.

LICENSE NO. 1

Driller's License Number

Driller's Signature

44, 581

87752
STATE OF MONTANA } ss.
County of Sweet Grass

Filed this 16 day
of September A. D. 1968
at 10:37 o'clock A. M.

County Clerk
By Mary Ellen McDonald Deputy.

File No. 82657T. 1N R. 13E

DUPLICATE

County Sweet Grass

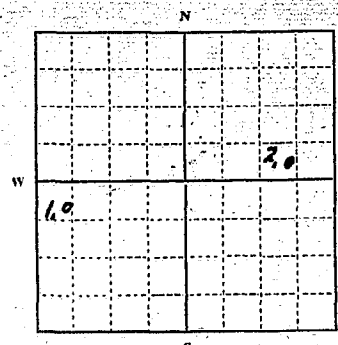
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 27 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Roland C Woodhouse, of Big Timber Mont
(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:



1. NW 1/4 SW Sec. 36. T. 1N. R. 13E

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

2. SE 1/4, NE 1/4 Sec 36

2. The beneficial use on which the claim is based. Stock water
No. 2, Stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1910. 2nd use has been
continuous. No. 2, 1920. 2nd is used in the
Fall of each year.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 60 gpm. No. 2 pumps 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
None

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Electrical
pump with 4" cylinder. No. 2, pumped
with a pump jack and a gasoline motor.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Est. 1910. No. 2, Est. 1920

8. The depth of water table. 3 ft. No. 2 - 35 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. 24" diameter dug well 7 ft deep with
tile casing to 6 ft. No. 2 is a drilled well 70 ft deep cased
completely with 6" casing.

10. The estimated amount of groundwater withdrawn each year. 100,000 gal ; No. 2 - 50,000 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 Roland C WoodhouseDate 12/30/63

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

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

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

34059

82654

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

Filed this 23 day

of Jan A. D. 1964

at 10:10 P. M.

Wm. H. Hain
County Clerk

By _____
Deputy.

File No. 82659

T. 1N R. 13E

DUPLICATE

County Sweet Grass

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
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

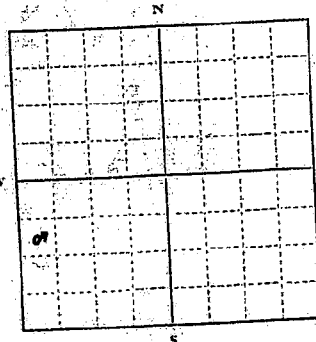
Owner Roland C. Wadham Address Big Timber, Mont

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 SW Sec. 36 T. 1N. R. 13E
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 100 gpm. stopping open year around and being used for stock water.

Signature of Owner Roland C. Wadham

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.

82059

STATE OF MONTANA }
County of Sweet Grass }

Filed this 23 day

of Jan A.D. 1964

at 11:10 o'clock AM

Arne Ham

County Clerk

Deputy

County Sweet Grass

Twp. 1 N

Rge. 14 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	Phiney Bailey	GW2	88516	
2	James Mauland	GW3	82538	
2	Charley M. McComb Comb	GW2	79662	
2	Charles Dempster	1962	79612	
10	Elmer Amerson	GW3	82174	
10	Elmer Amerson	GW4	82183	
11	William Washington	GW2	93115	
11	Charley M. McComb	GW 1962	79651	
11	Charley M. McComb	1962	79650	
11	Charles Dempster	1962	79613	
12	Nilda Fetter Morris	GW3	81970	
12	Glen W. & Louise M. McBride	GW3	82099	
12	Glen W. & Louise M. McBride	GW4	82100	
12	Cecile G. Carl	GW4	82672	
12	Dwight Richeat	GW2	84970	
12	Nilda Fetter Morris	GW4	81969	
12	Cecile G. Carl	GW3	82671	
13	A. Hale Macfarland	GW2	No #	
13	Wilbur Williams	GW 1962	79641	
13	Wilbur Williams	1962	79643	
13	Ray L. Brown	GW4	84880	
13	Shutaw K. Cook	GW2	No #	
13	Walter E. Buffman	GW4	82226	
14	Ruby Rialand	GW4	81257	
14	Hilbert L. Smith	GW4	81239	
14	Ken Macchelle	GW2	83339	
15	Darwin J. Tice	GW3	81575	
15	Montana Fish & Game Comm	GW4	82075	
16	George H. McQuinn	GW2	92618	
16	Stanley K. Stenberg	GW3	82087	
16	Stanley K. Stenberg	GW4	82081	
20	George Clayton	GW3	82702	
20	Harold H. Boster	GW3	No #	
21	Martin Peterson	GW4	81108	
21	Miss Ingrid Helvick	GW4	81119	
22	Leith Brown County	GW2	85506	
22	Franklin H. Riedel	GW2	85846	
23	Frank Williams	GW2	80546	
23	Mike Kavin	GW4	80456	
23	Robert Pigan	GW3	82328	
24	Robert Pigan	GW3	82327	
26	Paul L. Linneman & Harold L. Linneman	GW4	82553	
26	Mr. & B. Davis	GW2	85846	
26	Vincent L. Brown	GW3	92527	
26	William J. Gerner	GW4	82450	
27	William J. Gerner	GW3	82451	

GROUNDWATER INDEX

Page 2 of 2

County Sanpete Utah

Twp. 117

Rge. 14 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
28	Stanley K. Stenberg	GW4	82079	
28	Stanley K. Stenberg	GW3	82080	
28	Mrs. Sophie Thibault	GW4	81118	
29	Mrs. Jessie Duncan	GW3	82121	
29	Mrs. Jennie Owen L. McCleary	GW4	82165	
30	Owen L. McCleary	GW3	82163	
31	Poland C. Woodhouse	GW3	82662	
31	Owen L. McCleary	GW3	82164	
32	Jessie Duncan	GW3	82122	
33	Budley L. & Alice Pyles	1961	79594	
34	Budley L. & Alice Pyles	1961	79590	
34	Budley L. & Alice Pyles	1961	79591	
34	Budley L. & Alice Pyles	1961	79595	
not	David Barnett	GW2	96898	
12	Elida Fetter Morris	GW3	81970	not in files active of indexing ↓
12	Glenn W. & Louise M. McBride	GW3	82099	
12	Glenn W. & Louise M. McBride	GW4	82100	
12	Cecil J. Carl	GW4	82672	
12	Elida Fetter Morris	GW4	81969	
12	Andy Richester	GW2	84870	
12	Cecil J. Carl	GW3	82671	
13	A. Hale Grosfield	GW2	110 th	
13	Wilbur Williams	1962	79641	
13	Wilbur Williams	1962	79643	
13	Ray Lee Tramm	GW3	84880	
13	Huaton & Carl	GW2	110 th	
13	Walter E. Hoffmann	GW4	82226	
24	Loewy, Arnie	GW2	73122	

File No. _____

DUPLICATE

LOG

MONTANA WATER RESOURCES BOARD

RECEIVED

JUN 24 1969

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

T. 1 N. R. 14 E

County: GoldenSweet Grass

Top of Ground

(Elev. above sea level _____)

Top Soil + Claystatic water levelSand + Gravel with clayClayRed ClayBroken ShaleShaleBottom of well**Notice of Completion of Groundwater
Appropriation by Means of Well**

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Hans Beleg

Address: _____

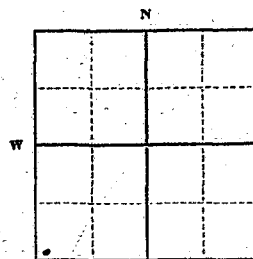
Driller: Donald C. JonesAddress: 2107 Bridge St.Bozeman, Mont.

Date of Notice of appropriation of groundwater: _____

Date well started: April 15, 1969 Date completed: April 18, 1969Type of well: Drilled
(Dug, Driven, bored or drilled)Equipment used: Churn Drill
(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 in.	6 5/8" O.D. 17 ft	1 1/2' to Ground	20 1/2'			
	5" I.D.	19	27	4 3/4" S&T	18'	27'

Static Water Level for non-flowing well: 9.5 feet.

Shut-in Pressure for Flowing Well: _____

Pumping Water Level: 2.9 feetat 20 gal. per minute.

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

How Tested: PumpLength of Test: 1 hr.

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

Section: 1 T. 1 N. R. 14 E.
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.

Driller's License Number

Driller's Signature

45,350

FILED: June 23, 1969
2:58 O'Clock PM
 File No: 88-516
 MARGARET PLAGEMEYER Clerk & Recorder
 By Deputy Theresa J. Halling

CLERK OF SUPERIOR COURT
 DEPARTMENT OF SOCIAL SERVICES
 DIVISION OF CHILDREN
 100 S 4th
 SEATTLE, WA 98104

RECEIVED
 JUN 23 1969
 DEPT. OF SOCIAL SERVICES
 DIVISION OF CHILDREN

GW 3

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

File No. 82538

T. 14 R. 14 E.
County Sweet Grass

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECORDED
JAN 22 1964

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Dec 27, 1963

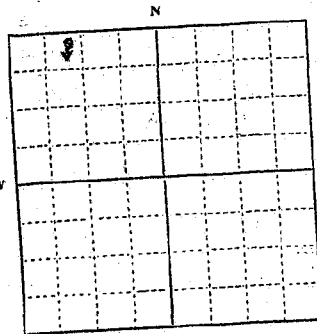
Owner Jonas Mauland Address Big Timber Mont.

Contractor (if any) Sam Hein

Address of Contractor Springdale, Mont

Date Started 1947 Date Completed 1947

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



1/4 Sec. 2 T. 14 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 25 gals per minute estimated ditch flow
Water collected in earth dam used to irrigate 5 acres, also for fish pond & stock water year around use

Signature of Owner Jonas Mauland

Date Big Timber Mont.

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.

33670

82538

STATE OF MONTANA, }
County of Sweet Grass. }

Filed this 20 day
of Jan A. D. 19 64
at 855 o'clock A. M.
Gene Plaine
County Clerk
By _____
Deputy.

[Faint, mostly illegible text and markings, possibly a ledger or record, covering the lower half of the page. Some words like "COUNTY" and "CLERK" are visible.]

No. 28

1 North R 14 East

County Sweet Grass

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 3 1962

Water Well Log

STATE ENGINEER

Sec. 2

Owner Charles M. McEach Address Big Timber, Mont.

Driller _____ Address _____

Date Started _____ Date Completed _____

Location: Sec. 2 T. 14 N. R. 14 E. sec. SE 4 SE 4

Type of well Spring Equipment used Hand
(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)

Natural Spring water piped to house and barn in
NE 1/4 NE 4 of Section 11 - Twp 14 N - R 14 E

(over)

Description of Material Drilled

feet

From

05

Description of Material Drilled

STATE OF MONTANA, } ss.
County of Sweet Grass.
Filed this 29
of Dec
at 4:59
LICK ARMSTRONG
By Esthine Thom

Form No. 18
8-60

T. 1 North R. 11 East

County Sweet Grass

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 3 1962

STATE ENGINEER

Water Well Log

Owner Charles Dempster Address Big Timber, Montana

Driller _____ Address _____

Date Started _____ Date Completed _____

Location: Sec. 2 T. 1 N R. 11 E $\frac{1}{4}$ sec. NE 1/4

Type of well Spring 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)

Natural spring

(over)

Description of Material Drilled

STATE OF MONTANA. }
County of Sweet Grass. } ss.
Filed this 29 day
of Dec A. D. 1961
at 11:30 o'clock A. M.
DICK ARMSTRONG
County Clerk
By Catherine Thompson
Deputy.

File No. 82174T. 1N R. 14E S. 1

DUPLICATE

County SANTEE

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

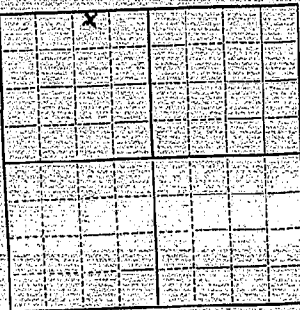
(Under Chapter 237, Montana Session Laws, 1961)

Date of Appropriation of Groundwater Dec. 17th, 1963Owner ELMER ARMSTRONG Address Big Timber, Mont.Contractor (if any) None

Address of Contractor

Date Started Date Completed

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

Surface flowing spring.1/4 Sec. 10 T. 1N R. 14E S. 1

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.

Five to eight months per year
for watering livestock.Signature of Owner Elmer ArmstrongDate Dec. 17th, 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.

T. 233 R. 11. 5000

County... San Diego ...

RECEIVED
DEC 26 1963
STATE ENGINEER
PRIATION

STATE ENGINEER

STATE ENGINEER

Owner James J. Connelley Address 421 Dec. 10th.

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.

~~surface flowing spring.~~

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

estimate approximate lengths of periods of use.

.....1/4..... Sec...10 T.11 R11.408

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

Five to eight months per year
for watering livestock.

Signature of Owner.

Date Dec. 17th, 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.

12730

82-174

STATE OF MONTANA

County of Sweet Grass

Filed this 19 day

of 1963

at 4:15 P.M.

Clarence H. Hume

County Clerk

By Deputy

File No. 82182

DUPLICATE

T. 1 R. 14 EastCounty SWEET GRASS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 26 1963

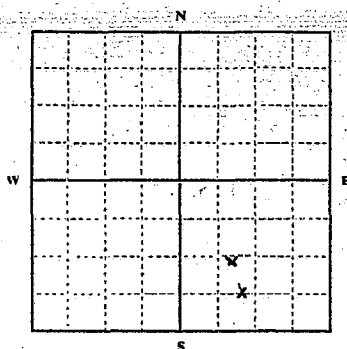
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Elmer Arneson, of Sweet Grass, Montana
(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:



1/4 Sec. 10 T. 14 R. 14 East

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 livestock and irrigation.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous over the past fifty years.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) twenty (20) 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 House lot and one half acre garden.

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

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

8. The depth of water table Fifteen 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 and dug wells, four foot in diameter and twenty foot deep.

10. The estimated amount of groundwater withdrawn each year Two million 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

Signature of Owner

Elmer Arneson
Date Dec. 18th, 1963

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

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

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

12738

82182

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

Filed this 19 day

of dec A. D. 19 63

at 4:55 P. M.

Gene Haen
Clerk

By _____ Deputy.

RECEIVED

JUL 5 1973

DRILLER'S LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

There is to be prepared by the 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, four copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner: *William McKinson*

Address: *Big Horn, MT*

Date well started: *9-2-72*

completed: *9-11-72*

Type of Well: *drilled*

(One, driven, bored or drilled)

Current use: *drain well*

(If burn with rotary or other)

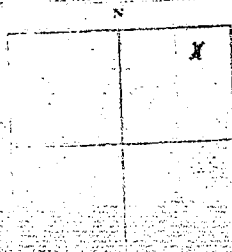
Intended Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐ Garden Lawn ☐

USE: *used for irrigation, industrial, drainage or other. Estimate number of acres and location of each (see loc. block and Address).*

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (feet)	To (feet)	PERFORMATIONS	From (feet)	To (feet)
<i>3/8</i>	<i>10-17</i>	<i>42</i>	<i>47</i>	<i>1/2" 45' 45'</i>	<i>45</i>	<i>48</i>
				<i>above</i>		
				<i>below</i>		



State: *Montana*
County: *Big Horn*
Locality: *Big Horn*
at: *Big Horn*
Indicate: *Indicate*
We: *We*

Loc. of Gravel

From (feet)	To (feet)	
<i>4</i>	<i>5</i>	<i>top soil</i>
<i>5</i>	<i>6</i>	<i>concrete and gravel</i>
<i>6</i>	<i>7</i>	<i>concrete and gravel</i>

55647

55647

93115

STATE OF MONTANA }
COUNTY OF SWEET GRASS } ss.
Filed this 29 day
of June A. D. 1973
at 6:58 o'clock P.M.

Margaret H. Hargrave
County Recorder

By _____
Deputy

No. 18

1 North R. 14 East

County Sweet Grass

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, MontanaRECEIVED
JAN 8 1962

Sec-11

Water Well Log

STATE ENGINEER

Owner Charley M. McComb Address Big Timber, Mont

Driller _____ Address _____

Date Started _____ Date Completed 1945Location: Sec. 11 T. 1 N. R. 14 E. sec. 1 NE + SE +Type of well Dug Equipment used _____
(dug, driven, or drilled) (Cable, drill, rotary, other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐Industrial ☐ Drainage ☐ Other ☐Casing: 1 ft. to 14 ft. Type Wood 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 4 feet at 15 gal. per min. _____

How tested: _____

Length of test _____

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

(over)

Description of Material Drilled

Description of Material Drilled	Depth	Remarks
...	...	...

ROYAL

Answer

STATE OF MONTANA

County of Sweet Grass.

Filed this 2

of Dec.

at 438

LUCK ARMSTRONG

21

County Clerk

Hempden

No. 18

1 North R. 14 East

County

SWEDESVILLE

JAN 3 1962

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana.

STATE ENGINEER

Sec. 11

Water Well Log

Owner Charles 17 McCracken Address Big Timber, Mont.

Driller _____ Address _____

Date Started _____ Date Completed 1956

Location: Sec. 11 T1N R14E 1/4 sec. NE 1/4 NE 1/4

Type of well Dug Equipment used _____
(dug, driven, or drilled) (Churn, drill, rotary, other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☒Industrial ☐ Drainage ☐ Other ☐Casing: 1 ft. to 14 ft. Type Galvanized Size 12"

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 11 1/2 feet at 10 gal. per min.

How tested: _____

Length of test _____

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

(over)

100

Depth	feet	Description of Material Drilled
From	To	
1	6	Dirt
6	14	Gravel

STATE OF MONTANA, } ss.
 County of Sweet Grass.
 Filed this 29 day
 of Dec, A. D. 1961
 at 4:56 o'clock P.-M.
DICK ARMSTRONG
 Court Clerk.
 By Catherine Thompson
 Deputy.

Form No. 18
8-60

T. 1 North R. 14 East

County Sweet Grass

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 3 1962

Water Well Log

STATE ENGINEER

Owner Charles Dempster Address Big Timber, Montana

Driller Not known Address _____

Date Started _____ Date Completed 1948

Location: Sec. 11 T. 1 N R. 14 E $\frac{1}{4}$ sec. NE 1 NE 1

Type of well Drilled Equipment used Not known
(Dug, driven, or drilled) (Churn, drill, rotary, other)

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

Casing: 1 ft. to 160 ft. Type Oil Well Casing Size 7"

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: 69 feet.

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

Pumping water level 69 feet at 10 gal. per min. _____

How tested: _____

Length of test _____

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

(over)

Description of Material Drilled

STATE OF MONTANA. } ss.
County of Sweet Grass.
Filed this 29 day
of Dec. A. D. 1881
at 10:32 o'clock A. M.
DICK ARMSTRONG
County Clerk.
By Catherine Thompson
Deputy.

File No. 81257T 1 N. R. 14 E

DUPLICATE

County Sweet Grass

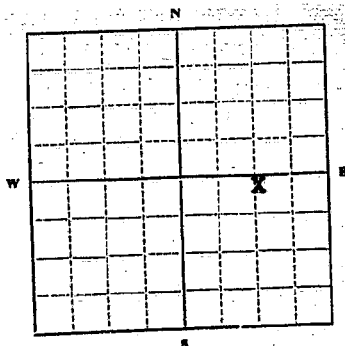
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 26 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER

1. Ruby Raisland of Box 264, Big Timber, Montana
(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:



SE 1/4 Sec. 14, T14 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
Household use, stock and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been October, 1947, and use has been continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) six 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
Small yard
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 Drilled in 1947
8. The depth of water table Water is at forty feet from surface of ground
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 5 inch casing of a drilled well. Well is 73 feet deep.
10. The estimated amount of groundwater withdrawn each year 250,000 gallon each year
11. The log of formations encountered in the drilling of each well if available
Gravel & rock
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

Ruby RaislandDate April 25, 1963

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

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

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

1722

RECEIVED

OFFICE OF THE
SHERIFF
BUTTE, MONTANA

Department of Justice

81257
STATE OF MONTANA }
County of Sweet Grass } ss.

Filed this 25 day
of April A. D. 1963
at 11:45 o'clock A. M.

ARNE HOEM
County Clerk
By Harold Haggemeier Deputy

File No. 81239

T 1 N. R. 14E

County Sweet Grass

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

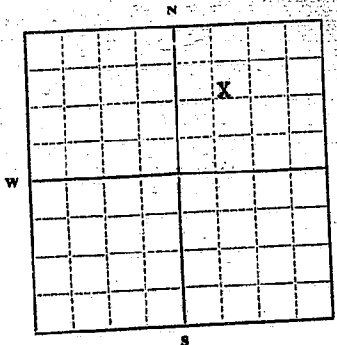
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
APR 23 1963

STATE ENGINEER

1. Gilbert E. Smith of Box 882 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 Sec. 14 T1N R14E.

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 is for household use and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been used continuously since 1917
4. The amount of groundwater claimed (in miner's inches or gallons per minute) Twelve 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
1/2 acres in Lots 15 to 20 in Block 13 of Yellowstone Addition to the City of Big Timber, Montana
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Electric jet pump and well is located in Lot 16, Block 13, of said Yellowstone Addition.
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 25 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
Concrete casing in dug well, 4 feet by 4 feet which is 26 feet deep.
10. The estimated amount of groundwater withdrawn each year 370,000 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

Signature of Owner Gilbert E. SmithDate April 22, 1963

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

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

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

4054

81239

STATE OF MONTANA,
County of Sweet Grass,) ss.
FILED 22 day
of April A.D. 1963
at 9:38 AM
Aimee Aasen
Deputy

RECORDED & INDEXED
COMMUNICATIONS SECTION
MAY 24 1963

STATE OF MONTANA
RECORDED & INDEXED
MAY 24 1963

File No. 83339T 1 N R 14 E

DUPLICATE

County Sweet GrassSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

MAY 14 1964

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Van Muschelle Address Big Timber MontDriller James L. McKehe Address Big Timber MontDate of Notice of Appropriation of Groundwater 4-24-64Date well started 4-27-64 Date Completed 4-29-64Type of well Drilled Equipment Used Rotary
(dug, driven, bored or (Churn, drill, rotary or
drilled) 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)
5 5/8"	4.50 O.D. 4.012 I.D. 11' per ft. Black Steel Casing	1 FT Above ground Surface	74' Feet below Ground Surface	4" X 1/2"	61'	74'

Static Water Level for non-flowing Well 26 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 30 feet at 6 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Pump Length of Test 15 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) _____

1/4 Sec. 14 T 1 N R 14 E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Driller's License Number 32James L. McKehe
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.

83339

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

Filed this 7 day
of May A. D. 1964
at 4:00 o'clock P. M.
Arvin Haem
County Clerk.
By _____ Deputy.

GW3

File No. 81575T. 1 N R. 14 E

DUPLICATE

County Sweet Grass

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 30 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 8-27-63Owner Darwin T. Keenan Address Big Timber, Mont

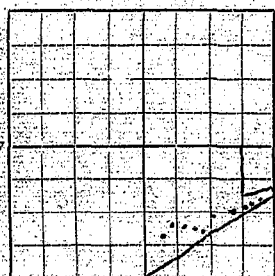
Contractor (if any) _____

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. These are natural springs that have been developed for stock water, irrigation, subirrigation and domestic uses located at base of bench mark between fence lines on west & east sides of property.

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. These springs run an estimated 150 million inches of water a year round and more during summer.



SE 1/4 Sec 15 T. 1 N R. 14 E

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

Signature of Owner Darwin T. KeenanDate August 20, 1963

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

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

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

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

5601

81595

STATE OF MONTANA }
County of Sweet Grass } ss.

Filed this 28 day
of August A. D. 1963
at 3:15 o'clock P.M.
Gene Green
County Clerk
By _____ Deputy.

File No. 82075

T. 1 N. R. 14 E.

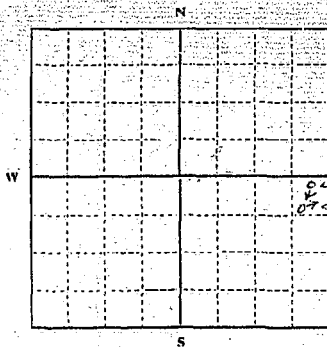
DUPLICATE

County Sweet Grass
Big Timber HatcherySTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERRECEIVED
DEC 18 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Montana Fish & Game Commission, of Helena, Montana
(Name of Appropriator) (Address) (Town)County of _____ State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

SE 1/4 Sec. 15 T. 1 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.
Operation of Fish Hatchery.3. Date or approximate date of earliest beneficial use; and how continu-
ous the use has been May 20, 1926.4. The amount of groundwater claimed (in miner's inches or gallons
per minute) No. 1 - 24 gallons per minute.
No. 2 - 60 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
Not Applicable.6. The means of withdraw ; such water from the ground and the loca-
tion of each well or other means of withdrawal.
Gravity Flow.7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater. May 20, 19268. The depth of water table 10 feet9. 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 groundwaterNo. 1 - Wooden box at spring, piped to ponds.No. 2 - Concrete box at spring, piped to hatchery.10. The estimated amount of groundwater withdrawn each year. No. 1 - 12,614,400 gallons.No. 2 - 31,536,000 gallons.11. The log of formations encountered in the drilling of each well if available Not applicable12. 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

Montana State Fish and Game Department

Signature of Owner Ross SmithForeman Big Timber Hatchery
Date December 16, 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; Triuplicate to the Montana Bureau of
Mines and Geology, and Quadruplicate for the Appropriator.

4883

82075

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

Filed this 16 day
of Dec A. D. 19 63
at 9:25 o'clock A M.
Wm. H. Hain
County Clerk.
By _____ Deputy.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
**NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL**
Developed after January 1, 1962

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

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

Owner Jesse H. McGuire
Address Big Timber
Montana 59011
Date well started 11-9-72
completed 11-14-72

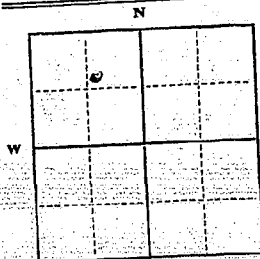
For Administrator's Use
File 92618
Jan 5, 1973
12:45 P.M.
GW 1

Type of well DRILL
(Dug, driven, bored or drilled)
Equipment used ROTARY
(Churn drill, rotary or other)
Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

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

ESTIMATED ANNUAL WITHDRAWAL 150,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	4 1/2" Plastic	14	150	5/8"	90	150
				5/16"		



CS 1/2 NE 1/4 SW 1/4 NE 1/4 NW 1/4
1/4 Sec. 16
T. 1 N. R. 14 E. S. 1/2

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

Driller's Signature J. J. [Signature]
Driller's Address 3143 PRAIRIE DRIVE
Big Timber, Montana LICENSE NO. 197

County Sweet Grass

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)	
From (Feet)	To (Feet)
0	9
9	31
31	140
140	150
RED SILTY SHALE	
HARD SANDSTONE	
SILTY SHALE	
HARD SANDSTONE	
SANDSTONE	
BLACK SILTY SHALE	
WATER @ 103 FT.	
WATER	

Show exact depth of bottom
150
150 52, 152