GROUNDWATER INDEX

County Dawson Twp. 17N Rge. 56E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
9	Dion, H.N.	HW3	286631	See 9, 15, 16, 20, 21 + 28
11	Suckow, A.R.	HW3	286697	See 11, 14 + 16
12	Hildebrand, Raymond	HW4	286957	
13	Dion, H.N.	HW3	286633	See 13, 23, 24 + 26
14	Suckow, A.R.	HW3	286697	See Sec. 11 Above
15	Dion, H.N.	HW3	286631	See Sec. 9 Above
16	Dion, H.N.	HW3	286631	See Sec. 9 Above
16	Suckow, A.R.	HW3	286697	See Sec. 11 Above
20	Dion, H.N.	HW3	286631	See Sec. 9 Above
21	Dion, H.N.	HW3	286631	See Sec. 9 Above
22	Dion, H.N.	HW4	286632	See 22 + 27
23	Dion, H.N.	HW3	286633	See Sec. 13 Above
24	Dion, H.N.	HW3	286633	See Sec. 13 Above
26	Dion, H.N.	HW3	286633	See Sec. 13 Above
26	Kalberg, Martin	HW2	314123	
27	Dion, H.N.	HW4	286632	See Sec. 22 Above
28	Dion, H.N.	HW3	286631	See Sec. 9 Above
28	Larimer, D.C.	HW4	286867	See 28 + 34
29	Selman, Sam	HW3	286694	See 29, 30 + 31
30	Selman, Sam	HW3	286694	See Sec. 29 Above
31	Selman, Sam	HW3	286694	See Sec. 29 Above
31	Selman, Sam	HW4	286695	
32	Wood, Cornelia E.	HW3	286701	
34	Larimer, D.C.	HW4	286867	See Sec. 28 Above
35	Bennett, Howard D.	HW3	285672	

GW 3

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

File No.....

T. 17 R. 56

DUPLICATE

County Dawson

RECEIVED
JAN 14 1964
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1954

Owner A. R. Luckow Address Glendive B.P. Route

Contractor (if any) .....

Address of Contractor A. R. Luckow

Date Started 1954 June Date Completed July, 1954

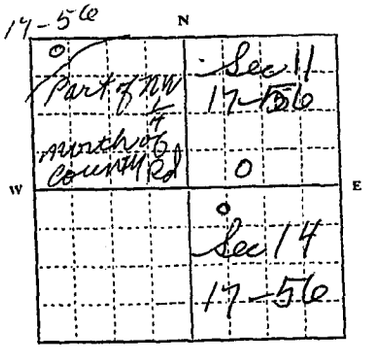
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable Sec 16 Bored and Piped 4 gals Per

Sec 11 - Bored pipe out 3 gals

Sec 14 - Bored Piped 5 gals.

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

Measured with Gallon pail and stopwatch



.....¼..... Sec..... T 17 R 56

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

Signature of Owner A. R. Luckow

Date Dec. 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.

31814

286697

STATE OF MONTANA
County of Dawson

Filed for record this 30th day of December A. D. 19 63, at 3:00 o'clock M.

Gordon W. Russell
County Clerk and Recorder.

By _____ Deputy.

Fee Pd. $2.00

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No.

T. 17N R. 56E

DUPLICATE

County Dawson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

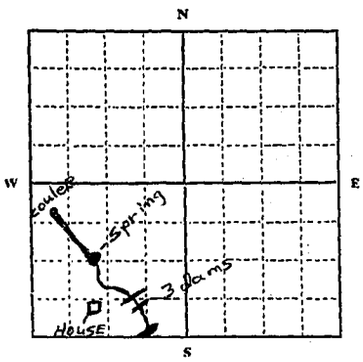
RECEIVED
JAN 14 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. RAYMOND HILDEBRAND, of Box 801 Glendive, Montana
(Name of Appropriator) (Address) (Town)

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



SW¼ Sec. 12 T. 17 R. 56

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 Livestock, agricultural, and domestic use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been March 20, 1935 - continuous use since appropriation

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 cubic foot of water per second

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 SW¼ of Section 12-17N-56E, which is grazing and irrigated land - Raymond Hildebrand, owner

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Water rises to surface from the spring and runs down a natural coulee where it is impounded by 3 earthen dams

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater March of 1935, excavation of spring and construction of pipe lines; 1936 to 1956, construction of 3 earthen dams and installation of electrically driven pumps and pipe lines, all at a cost of approximately $2,500

8. The depth of water table Estimated 10' to 17'

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 spring is approximately 15' below the surface. The water rises therein and some of it runs out by gravity for watering animals and household use. Surplus water is impounded by the three dams, from which, through electrically driven pumps and a pipe distribution system, it is applied to fruit trees, ornamental trees, native trees, garden, and lawn

10. The estimated amount of groundwater withdrawn each year Groundwater withdrawn during entire year, but principally from the 1st of March to the 1st of November of each year.

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

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

Signature of Owner Raymond Hildebrand

Date December 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; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

32062

286957

STATE OF MONTANA
County of Dawson

Filed for record this 31st day of December A. D. 1963, at 4:30 o'clock P. M.

Gordon W Russell
County Clerk and Recorder.

By _____ Deputy.

W 3

Approved Stock Form—State Publishing Co., Helena, Montana—39089

File No. .....

DUPLICATE

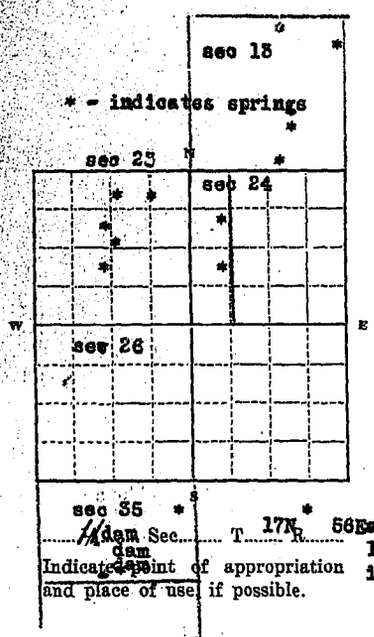
Sec 13, Sec 23, sec 26 T 17 N R 56 E
N½ sec 35, W½W½ sec 24 County Dawson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 14 1964
ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)



all in twp 17N-R56E

Date of Appropriation of Groundwater December 26, 1963

Owner H. N. Dion Address Box 1027, Glendive, Montana

Contractor (if any) none

Address of Contractor .....

Date Started 7-1-11 Date Completed 7-1-11

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

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 estimate of amount of water used is available; water is used for livestock which range adjacent lands, some of the time intermittently, according to weather and grass available

Signature of Owner H N Dion

Date December 26, 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.

31756

286633

STATE OF MONTANA
County of Dawson

Filed for record this 30th day of December A. D. 1967, at 11:00 o'clock A.M.

Gordon W. Russell
County Clerk and Recorder.

By _____ Deputy.

Fee pd. $2.00

73

Approved Stock Form—State Publishing Co., Helena, Montana—39089

File No.

DUPLICATE

E½ sec 9, all sec 15, all sec 15, S½S½ sec 20 and N½N½ sec 28, all sec 21

T. 17 N R. 56 E

County Dawson

15/16/21

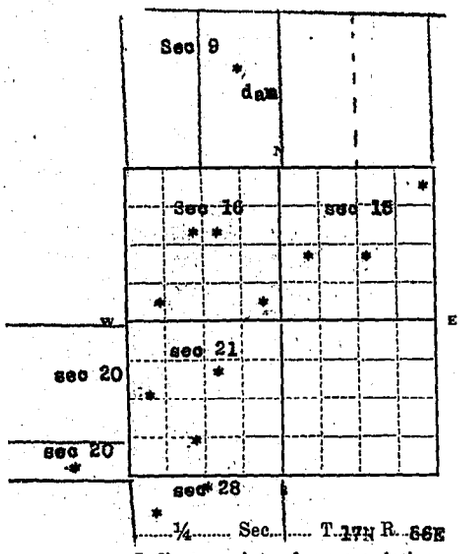
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 14 1964 STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

* - indicates springs



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

all in twp 17N-56E

Date of Appropriation of Groundwater December 26, 1963

Owner H. H. Dion Address Box 1027, Glendive, Montana

Contractor (if any) none

Address of Contractor

Date Started 7-1-1911 Date Completed 7-1-1911

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

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 estimate of amount of water used is available; water is used for live-stock which range adjacent lands, some of the time intermittently, according to weather and grass available

Signature of Owner H. Dion

Date December 26, 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.

31954

286631

STATE OF MONTANA
County of Dawson

Filed for record this 30th day of December A. D. 1963, at 11:00 o'clock A. M.

Gordon W. Russell
County Clerk and Recorder.

By _____ Deputy.

Fee pd. $2.00

GV

Approved Stock Form—State Publishing Co., Helena, Montana—38687

22

File No.....

Sections 22 and 27 T. 17 N R. 56 E

DUPLICATE

County Dawson

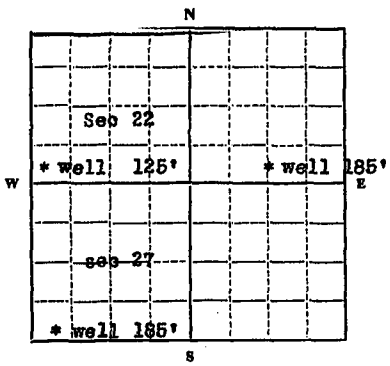
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 14 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, H. N. Dion (Name of Appropriator), of Box 1027 (Address) Glendive, Montana (Town)
County of Dawson State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



22 &
..... ¼ Sec. 27 T. 17N R. 56E

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
Stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
July 1, 1911 live-stock in pasture

4. The amount of groundwater claimed (in miner's inches or gallons per minute) no estimate

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 used for irrigation

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 1, 1911

8. The depth of water table 125 feet to 185 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 4" well pipe casing

10. The estimated amount of groundwater withdrawn each year no estimate available

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

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

Signature of Owner H N Dion

Date December 26, 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.

31755

286632

STATE OF MONTANA
County of Dawson

Filed for record this 30th day of December A. D. 19 63, at 11:00 o'clock A. M.

Gordon W. Russell
County Clerk and Recorder.

By_____Deputy.

Fee pd. $2.00

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—42329

26

RECEIVED
NOV 23 1971

File No.....

T. 17-N R. 56-E

County DAWSON

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Martin Kolberg Address Glendive

Driller Olson Water well Drlg Address

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

Date well started 10-28-65 Date completed 11-3-65

Type of well Drilled (Dug, Driven, bored or drilled) Equipment used Rotary (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 1/4	4 1/2" X 9.5#	0	94	1/2" holes	600	618
4 1/2	3 3/8" X 3.66	94	661		640	661

LOG

Top of Ground

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

0-3 Dirt soil
0-15 Broken
15-22 Hard coal
22-42 sticky clay
42-48 Grey silty cl.
48-57 Hard coal
57-94½ Blue cl. w/coal stks
94½-95 Hard grey rock
95-104 grey sandy cl.
104-120 Blk. cl. w/coal stks.
120-138 grey cl.
138-137 Hard-sandstone
137-253 Blue clay w/scattered coal stks
253-254 Hard grey s. stone
254-307 Sandy clay
307-324 Fine to med. soft s. stone
324-346 Brown to gray clay
346-347 X-hard grey s. stone
347-350 fine sandy cl.
350-350½ Rock shell
350½-380 Blue shale
380-389 Blue sandy cl. w/some sand
389-390 Hard coal
390-452 Brown-green & grey clay
452-459 Fine grey cl. sandy
459-461 X-hard to med. hard D.O.W.
461-498 Bright brown cl.
498-504 Shale w/med. hard sand stringers
504-530 grey cl.
530-632 Sandy clay w/sand stks. @ 605-620 & 632
632-656 Blk. sh.
656-659 Hard s. stone w/soft stks
659-678 Blk. sh.
678-679 Hard s. stone w/pyrite
679-803 Blk. sh.
803-811 Fine grey firm s.s.
811-850 Blk. sh.

Show exact depth of bottom.

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

Shut-in Pressure for Flowing Well 25#

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

Discharge in gal. per min. of flowing well 12-gal.

How Tested.....

Length of Test.....

Remarks: (Gravel packing, cementing, packers, type of shutoff)..... Rubber packer @ 580'. Collar seated @ 94' Soft Cemented

N
X
E
S

NW/4 NW Sec. 26 T. 17N R. 56E

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).

Doc. No. 514123

Filed for record this 22 day of Nov A. D. 19 71, at 2:25 o'clock P. M.

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.

61
Driller's License Number

Olson Addison
Driller's Signature

49452

314123

314123

STATE OF MONTANA
County of Dawson
Filed for record this 22nd day of
Nov A.D. 19 71 at
2:25 o'clock P M.
Gordon A. Russell
County Clerk & Recorder
By Patricia Stevson Deputy

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

31

File No.....

T. 17 R. 56

DUPLICATE

County Dawson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 14 1964 STATE ENGINEER

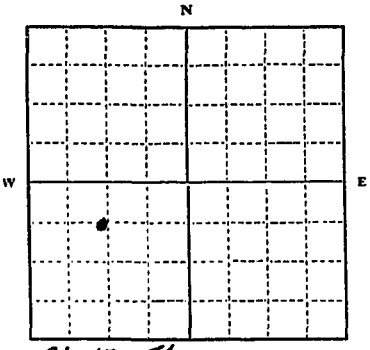
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Sam Selman (Name of Appropriator), of B.P.O.E. (Address) Glendive Mont. (Town)

County of Dawson State of Montana

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



31-17-56

.....¼..... Sec. 31 T. 17 R. 56

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 Stock water and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1945 periodic

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal per

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 windmill

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

8. The depth of water table 365 ft 6 ft top

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6" pipe 365 ft

10. The estimated amount of groundwater withdrawn each year 800,000

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

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 Sam Selman

Date 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.

31812

286695

STATE OF MONTANA
County of Dawson

Filed for record this 30th day of December A. D. 1963, at 3:00 o'clock P M.

Gordon W. Russell
County Clerk and Recorder.

By_____ Deputy.

GW 3

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

29

File No.....

T. 17 R. 56

DUPLICATE

County Dawson

RECEIVED
JAN 14 1964
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

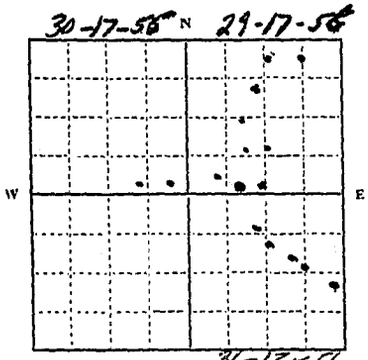
Date of Appropriation of Groundwater 1940

Owner Sam Selmen Address BP RTe Glendive Mont.

Contractor (if any) .....

Address of Contractor .....

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



.....¼..... Sec..... T 17 R 56

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 Springs very during the years some never get below 12 gal per min. Others will get to a trickle most are quite strong.

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 used to water 200 head of stock and run off is on grass - They will run from 15 gal per min. to 2 gal per min.

Signature of Owner Sam Selmen

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.

31811

286694

STATE OF MONTANA
County of Dawson

Filed for record this 30th day of December A. D. 1963, at 3:00 o'clock P M.

Gordon W Russell
County Clerk and Recorder.

By _____ Deputy.

Fee Pd. $2.00

GW 3

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

32

File No.....

T 17 R 56

DUPLICATE

County DAWSON

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 14 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

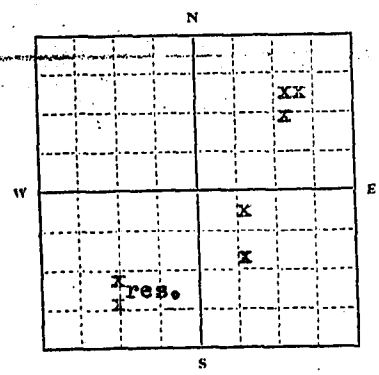
Owner Cornelia E. Wood Address Box 199 Glendive

Contractor (if any) none

Address of Contractor none

Date Started none Date Completed none

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



all ¼ of 32 Sec. 17 T. 56 R.

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 Natural flow unrestricted flow averages 5 gallons per minute from each spring. Use is continuous for residence and livestock.

Signature of Owner Cornelia E. Wood.

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.

31818

286701

STATE OF MONTANA
County of Dawson

Filed for record this 30th day of December A. D. 1963, at 3:00 o'clock P.M.

Gordon W. Russell
County Clerk and Recorder.

By _____ Deputy.

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No.

T. 17 R. 56

DUPLICATE

County Dawson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 14 1964
STATE ENGINEER

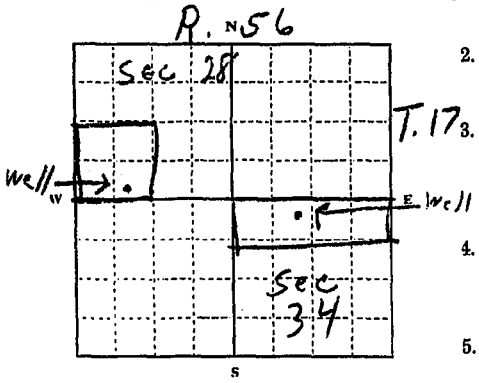
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. D.C. Larimer (Name of Appropriator), of 309 E. Main St. (Address) Glendive (Town)

County of Dawson State of Mont.

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



.....¼..... Sec..... T..... R.....

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

2. The beneficial use on which the claim is based Household, stock, garden irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1912, continuous since that time

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gals per minute total for the 2 wells (5 gals per min per well)

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 2 acres total (one acre garden near each well) D.C. Larimer, owner

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1912

8. The depth of water table 120 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 electric pumps, six inch casing, 120 ft. deep.

10. The estimated amount of groundwater withdrawn each year 1,000,000 gals. for two wells

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 Time of homesteading used as start of water use.

Signature of Owner D.C. Larimer

Date 12-31-63

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.

31973

286867

STATE OF MONTANA
County of Dawson

Filed for record this 31st day of December A. D. 19 63, at 3:30 o'clock P M.

Gordon W. Russell
County Clerk and Recorder.

By ..... Deputy

JW 3

Approved Stock Form—State Publishing Co., Helena, Montana—39318

35

File No.....

T. 17 R. 56

DUPLICATE

County Dawson

SW

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 6 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater June 14, 1962

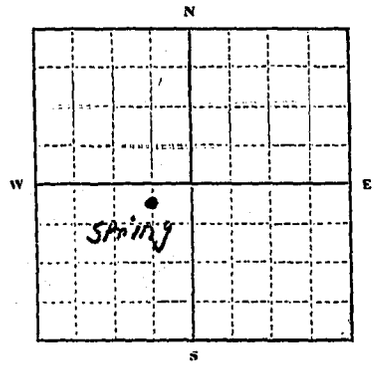
Owner Howard D. Bennett Address Belle Prairie Route Glendive, Montana

Contractor (if any) .....

Address of Contractor .....

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

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



SW/4 Sec. 35 T. 17 R. 56

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 water used from spring till fall -- frozen over in winter

Signature of Owner Howard D Bennett

Date November 1, 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.

6833

285672

STATE OF MONTANA
County of Dawson

Filed for record this 5th day of Nov. A. D. 1963, at 2:15 o'clock P. M.

Gordon W. Russell
County Clerk and Recorder.

By Alice Austby Deputy.

Fee pd. $2.00

GROUNDWATER INDEX

Page ____ of ____

County Dawson Twp. 17 N Rge. 57 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
12	Hutchinson, Hilduz	GW4	286758	
25	Millions, Willis & Alice	GW3	286778	

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

12

File No.....

T. 17 R. 57

DUPLICATE

County Dawson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

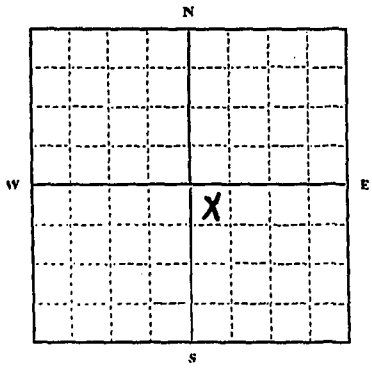
RECEIVED
JAN 14 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Hildwa A. Hutchinson, of Wibaux, Mont.
(Name of Appropriator) (Address) (Town)

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



NW ¼ SE Sec. 12 T. 17 R. 57

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 stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 1, 1956

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 15, 1956 started - August 1, 1956 finished

8. The depth of water table 180 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 four inch casing 201 feet deep

10. The estimated amount of groundwater withdrawn each year unknown

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 Hildwa A. Hutchinson
by Glenn Hutchinson agent
Date Dec. 30, 1963

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

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

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

31875

286758

STATE OF MONTANA
County of Dawson

Filed for record this 30th day of December A. D. 19 63, at 4:00 o'clock P M.

Gordon W Russell
County Clerk and Recorder.

By _____ Deputy.

W 3

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

25

File No.....

T. 17 R. 57

DUPLICATE

County Dawson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 14 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....

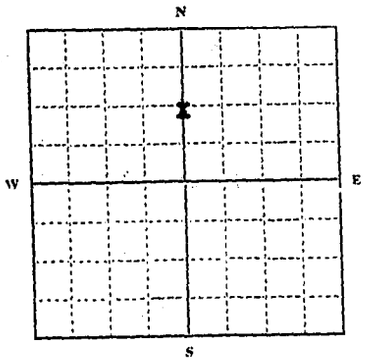
Owner Willis L. & Olive A. Milliron Address Rte 6 Glendive, Monta

Contractor (if any) Ralph Kalloch

Address of Contractor Glendive, Montana

Date Started 1945 Date Completed 1945

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable Dozed out by cat. 4'



N/E 1/4 of Sec. 25 T. 17 R. 57

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 2 Gal per min. During summer months.

Signature of Owner Willis L. Milliron
Olive A. Milliron
Willis L. & Olive A. Milliron
Date Dec. 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.

31895

286778

STATE OF MONTANA
County of Dawson

Filed for record this 30th day of December A. D. 19 63, at 4:00 o'clock P M.

Gordon W Russell
County Clerk and Recorder.

By _____ Deputy.

GROUNDWATER INDEX

County Dawson Twp. 17 N Rge. 58 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
30	Millison, Willis & Olive	Hu 4	286777	
31	Millison, Willis & Olive A	Hu 3	286779	

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

30

File No.....

T. 17 R. 58

DUPLICATE

County Dawson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

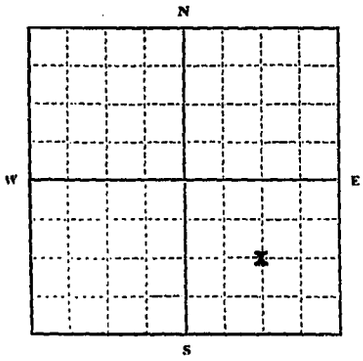
RECEIVED
JAN 14 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Willis L. & Olive A. Milliron, of Rte. 6 Glendive
(Name of Appropriator) (Address) (Town)

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



S/E¼ of Sec. 30 T. 17 R. 58

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
Stock Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1961 Continuously

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 Gal.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
No

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commended and completed 1961

8. The depth of water table 180'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled 4" Casing 270'

10. The estimated amount of groundwater withdrawn each year Unknown

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

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

Willis L. Milliron

Signature of Owner Olive A. Milliron
Willis L. & Olive A. Milliron
Date 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.

31894

286777

STATE OF MONTANA
County of Dawson

Filed for record this 30th day of December A. D. 19 63, at 4:00 o'clock P M.

Gordon W Russell
County Clerk and Recorder.

By _____ Deputy.

W 3

Approved Stock Form—State Publishing Co., Helena, Montana—42199 3

31

File No.....

T. 17 R. 58

DUPLICATE

County Deer Lodge

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 14 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....

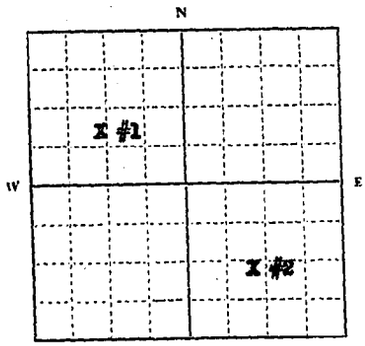
Owner Willis L. & Olive A. Milliron Address Rto. 6 Glendive, Montana

Contractor (if any) Self

Address of Contractor .....

Date Started 1957 Date Completed 1957

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable... Boxed Springs 5'



#1 N/W ¼ of Sec 31 T/17 R/58
S/E ¼ of Sec. 31 T. 17 R. 58
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. #1 4 Gal.

#2 8 Gal.

Summer use

Willis L. Milliron

Signature of Owner Olive A. Milliron
Willis L. & Olive A. Milliron
Date Dec 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.

31896

286779

STATE OF MONTANA
County of Dawson

Filed for record this 30th day of December A. D. 1963, at 4:00 o'clock M.

Gordon W Russell
County Clerk and Recorder.

By _____ Deputy.

GROUNDWATER INDEX

County Dawson Twp. 16 N Rge. 51

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
2	Lavin, Harold	GW2	289012	
3	Dillon, V. F.	GW4	281932	
4	Anderson, Leon O.	GW4	286748	
6	Anderson, Olaf	GW4	282898	
7	Anderson, Norman	GW2	302029	
9	Basta, Dennis D.	GW3	286913	
10	Basta, Dennis D.	GW3	286913	See Sec. 9 Above
10	Basta, Dennis D.	GW4	286914	
10	Green, Delbert	GW3	286634	
14	Dillon, V. F.	GW4	281932	See Sec. 3 Above
16	Basta, Dennis	GW2	288984	
18	Basta, Dennis D.	GW3	286913	See Sec. 9 Above
18	Bayan, Hazel Jodderson	GW2	286297	
18	Bayan, Hazel Jodderson	GW3	286209	
18	Bayan, Hazel Jodderson	GW3	286210	
19	Liles, Kenneth	GW3	286484	
20	Lehman, Scoville	57 Well Log	———	
21	Lindeman, Alvina	GW3	286767	
22	Lehman, S. S.	GW3	286766	
22	Lehman, S. S.	57 Well Log	———	
22	Lehman, S. S.	57 Well Log	———	
22	Lehman, S. S.	57 Well Log	———	
22	Lehman, Scovil	57 Well Log	———	
22	Lehman, Scovil	57 Well Log	———	
25	Halsey, Elmer	GW4	286516	
25	Halsey, Elmer	GW2	283756	
26	Davis, James	GW2	286247	
26	Davis, James E.	GW4	286848	
27	Halsey, Elmer	GW4	286516	
30	Liles, Kenneth	GW4	278448	
31	Northern Pacific Ry. Co.	GW4	286022	
32	Liles, Kenneth	GW4	278448	
33	Burlington Northern Inc	GW2	313840	
36	Lehman, Burt	GW2	284800	

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—40472

File No.....

T 16 R 56 E

County Dawson

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JUL 20 1964 STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level 2700)

clay 29' sand 68' clay 140' sand & gravel water 172'

Owner Harold Gavin Address Lindsay Montana

Driller Harold Gavin Address Lindsay Montana

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

Date well started May 15-1964 Date Completed May 23-1964

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

Water Use: Domestic ☑ Municipal ☐ Other ☐ Irrigation ☐ Industrial ☐ Drainage ☐ Stock ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5½"	4" I.D. orangeburg Pipe	0	172	3/8" round holes	148	172

N W E S

S ¼ W Sec. 2 T 16 R 51

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

Show exact depth of bottom.

Static Water Level for non-flowing Well 110 feet.

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

Pumping Water Level 140 feet at 5 gal. per minute.

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

How Tested slush bucket Length of Test 2 hrs.

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

85
Driller's License Number

Harold Gavin
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.

38238

289012

STATE OF MONTANA
County of Dawson

Filed for record this 1st day of July A. D. 1964, at 2:45 o'clock P M.

Gordon W Russell
County Clerk and Recorder.

By _____ Deputy.

Fee Pd. $2.00

GW

Approved Stock Form—State Publishing Co., Helena, Montana—38687

3/14

File No.....

T 16 S R 51

DUPLICATE

County Dawson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

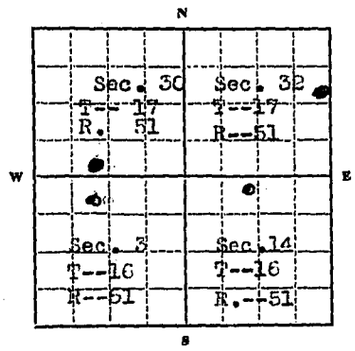
RECEIVED
JAN 14 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I V.F.Dillon, of Lindsay, Montana
(Name of Appropriator) (Address) (Town)

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



.....¼..... Sec..... T..... R.....

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

2. The beneficial use on which the claim is based 30-house, stock garden. 32-stockwater. 3-Stock water. 14- Stock water, Garden.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 30-1910 used all year every year. 32-1943 used 8months every year. 3- 1947 used 3 months each year. 14- 1940 used 4 months each year.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30- 10gallon per minute. 32- 5 gallons per. minute. 3- 5 gallons per minute. 14- 10 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 30- 1000 sq. ft. of garden and lawn. 14- 1000 sq. ft. garden.

V.F. Dillon

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 30-force pump and jet pump in same well.32- Cylinder pump. 3- Cylinder pump. 14- Cylinder pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 30- 1910, 32- 1943, 3- 1947, 14- 1940.

8. The depth of water table 30- 90 ft. 32- 40 ft. 3- 50 ft. 14- 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 30-Total depth 105ft. 24inch bored. 32- 105 ft. drilled six inch casing. 3- 120 ft. drilled with six inch casing. 14- 80 ft. drilled with six inch casing.

3-1000 gal. per. day.3 month each year. 14- 5000 gal. per day for 5 mon.

10. The estimated amount of groundwater withdrawn each year 30-5000 gallons per. day summer 2000 winter. 32- 2000 gal. per. day six month each year.

11. The log of formations encountered in the drilling of each well if available. No information.

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 V. F. Dillon

Date Jan 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 Quadruplicate for the Appropriator.

3273

281932

STATE OF MONTANA
County of Dawson

Filed for record this 10th day of Jan. A. D. 1963, at 2:30 o'clock P. M.

Gordon W. Russell
County Clerk and Recorder.

By Alice Austby Deputy.

Fee pd. $2.00

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

File No.

T. 16 R. 51 E

DUPLICATE

County Dawson

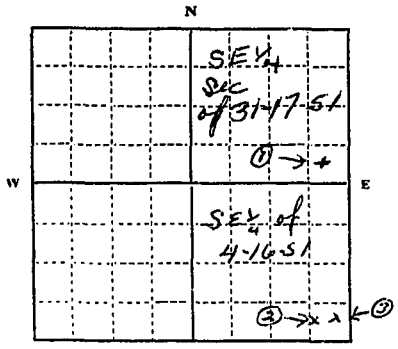
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 14 1964 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Leon O Anderson (Name of Appropriator), of Lindsay (Address) (Town)
County of Dawson State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE¼ Sec 31 - T17 - R51
SE ¼ Sec 4 T. 16 R. 51

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 no 1 & 2 Stock water no 3 household use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been no 1 drilled 1950, no 2 drilled 1942, no 3 drilled 1945 All wells in continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) no 1 5 gals per min no 2 8 gals per min no 3, 8 gals per min

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof no 3 used for house garden and lawn

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal no 1 windmill no 2 plunger pump no 3 Jet pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater no 1 well 1950, no 2 well 1942, no 3 well 1945

8. The depth of water table no 1 well 40 ft, no 2 well 20 ft no 3 well 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 no 1 well, drilled 4" I.D. 120 ft
no 2 well, bored 18" wood casing, 48 ft
no 3 well, drilled 4" I.D. 64 ft.

10. The estimated amount of groundwater withdrawn each year no 1 well 150,000 gal no 2 well 200,000 gal no 3 well 200,000 gal

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

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 Leon O Anderson

Date DEC 30 1963

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

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

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

31865

286748

286748

STATE OF MONTANA
County of Dawson

Filed for record this 30th day of December A. D. 1963, at 4:00 o'clock P. M.

Gordon W. Russell
County Clerk and Recorder.

By _____ Deputy.

Approved Stock Form—State Publishing Co., Helena, Montana—38687

File No. 6 - T. 16 R. 51

DUPLICATE

County Dawson

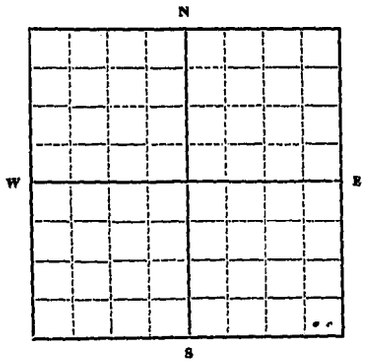
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAR 18 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Olof Anderson, of Lindsay
(Name of Appropriator) (Address) (Town)
County of Dawson State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE ¼ Sec. 6 T. 16 R. 51

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 & Stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1947 Daily

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 60

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 2 Acres garden & Lawn SE¼ 6-16-51

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pumps SE¼ 6-16-51

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Summer 1947 2 wells

8. The depth of water table 30'

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 pump well 4" casing 55' depth

10. The estimated amount of groundwater withdrawn each year 60,000 + gallons

11. The log of formations encountered in the drilling of each well if available silt, clay Blue Sand

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

Signature of Owner Olof Anderson

Date 3-15-63

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.

3935.

282898

STATE OF MONTANA
County of Dawson

Filed for record this 15th day of
Mar A. D. 1969, at
11:15 o'clock A.M.

Gordon W. Russell
County Clerk and Recorder.

By Alvie Austby Deputy.

Fee pd. $2.00

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—42329

File No.....

T. 14 R. 51

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
FEB 29 1968

County Dawson

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

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

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

yellow clay
20

Owner Norman Anderson Address Lindsay, Montana

Driller Daniel G. Haggerty Address Lindsay, Montana

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

Date well started 9/19/66 Date completed 9/21/66

blue shale

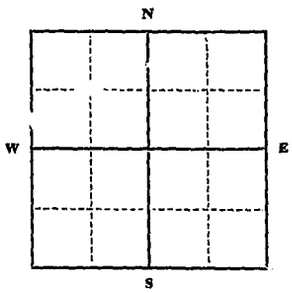
Type of well drilled (Dug, Driven, Bored or drilled) Equipment used churn drill (Churn drill, rotary or other)

Water used: 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

79
82
83 gray sand-water ore
rock--bottom

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5 1/8"	5" 14#	0	83	1/8" slots	73	83



Static Water Level for non-flowing well 65 feet.

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

Pumping Water Level 70 feet

3 gal. per minute

Drawdown in gal. per min. of flowing well

Not available

How Tested bailed 2 hrs.

Length of Test.....

Remarks: (Gravel packing, cementing, packers, type of shutoff) none

.....¼ Sec. 7 T. 14 R. 51

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).

STATE OF MONTANA
Department of Conservation
Feb 29 1968

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.

13
Driller's License Number

Daniel G. Haggerty
Driller's Signature

43,687

302024

STATE OF MONTANA
County of Dawson
Filed for record this 28th day of
Feb A. D. 19 68 at
8:00 o'clock A M.
Dorsey W Runnels
County Clerk & Recorder
By Mirian Peterson Deputy

GW 3

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

9

File No.....

DUPLICATE

B..... T. 16 R. 51

County DAWSON

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 14 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 12-30-63

Name of Contractor FRANKLS D. WASTE Address LINDSAY, MONT.

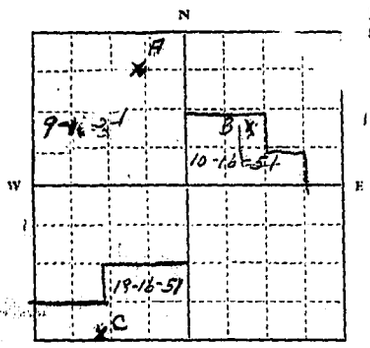
Contractor (if any) .....

Address .....

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

Description of means of obtaining groundwater without a well "as by diversion and other natural processes". Include depth to water when applicable. SPRING IN BOTTOM OF CREEK BED (APPLIES TO "A + B")

SPRING IN SIDE OF CREEK BANK - (C)



..... ¼ Sec. 9-10-18 T. 16 R. 51

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 SPRINGS A + B

RUN APPROX 15 GAL PER MIN. FREE FLOW

USED ALL YEAR

SPRING "C" RUNS 2 GAL PER MIN. FREE FLOW USED 90 DAYS

Signature of Owner Dennis D. Gusta

Date 12-31-63

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.

32018

286913

STATE OF MONTANA
County of Dawson

Filed for record this 31st day of December A. D. 19 63, at 4:30 o'clock P M.

Gordon W Russell
County Clerk and Recorder.

By _____ Deputy.

Approved Black Warren—State Publishing Co., Helena, Montana—42234

File No.

T. 16 R. 51

DUPLICATE

County DAWSON

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

RECEIVED JAN 14 1964 STATE ENGINEER

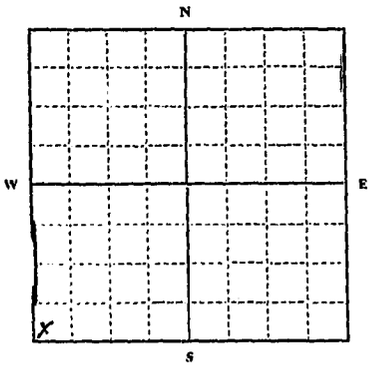
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. DENNIS D. BASTA (Name of Appropriator), of ~~EFA~~ (Address) LINDSAY (Town)

County of DAWSON 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. 16 R. 51

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 WELL WAS DUG IN 1910 AND USED CONTINUOUSLY EVER SINCE

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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 NONE

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal A JET PUMP IS USED IN THE WELL

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater WELL WAS DUG IN 1910

8. The depth of water table 40 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 HAND DUG, 4 FEET IN DIAMETER, 45 FEET DEEP

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 Dennis D. Basta

Date 12-31-63

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.

32019

286914

STATE OF MONTANA
County of Dawson

Filed for record this 31st day of December A. D. 19 63, at 4:30 o'clock P M.

Gordon W. Russell
County Clerk and Recorder.

By _____ Deputy.

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

10

File No.

DUPLICATE

T. 16 R. 51

County Dawson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 14 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1910

Owner Hilbert Green Address 702 Barry Ave Glendive.

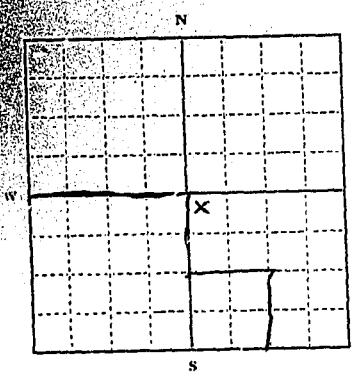
Contractor (if any)

Address of Contractor none

Date Started Date Completed

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

Natural Springs



NW SE¼ Sec. 10 T. 16 R. 51

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

Open the year around
Quantity unknown.

Signature of Owner Hilbert Green

Date Dec. 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.

31757

286634

STATE OF MONTANA
County of Dawson

Filed for record this 30th day of December A. D. 1963, at 11:00 o'clock A. M.

Gordon W Rowell
County Clerk and Recorder.

By _____ Deputy.

Fee pd. $2.00

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—40472

File No.....

DUPLICATE

B.M. ..... T. 16 R. 51 (county) .....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JUN 30 1964

Top of Ground
(Elev. above sea level 2700)

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Dennis Basta Address Lindsay Montana

Driller Harold Davis Address Lindsay Montana

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

Date well started Feb 18-1964 Date Completed Feb 28-1964

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

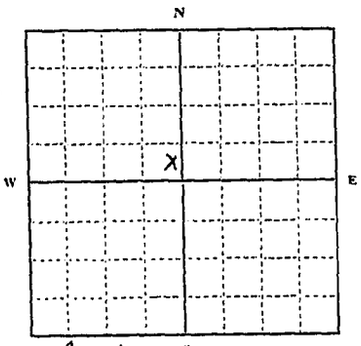
Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☑

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5"	4" I. D. 11 lbs. per ft.	0	190	1/4 x 3" slots cut in casing	140	190

soil	0
gravel	20
sand	30
clay	48
rock	50
clay	80
sand	86
clay	110
sand	116
clay	170
sand	190

Show exact depth of bottom.



N/2 Sec. 16 T. 16 R. 51

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

Static Water Level for non-flowing Well 100 feet.

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

Pumping Water Level 150 feet at 5 gal. per minute.

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

How Tested slush bucket Length of Test 2 hrs.

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

Dennis Basta by Mrs Dennis Basta

85
Driller's License Number

Harold Davis
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.

38230

288984

STATE OF MONTANA
County of Dawson

Filed for record this 29th day of June A. D. 1964, at 4:00 o'clock P M.

Gordon H. Russell
County Clerk and Recorder.

By Faye Scheitlin Deputy.

Fee Pd. $2.00

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—39318

File No.....

T. 16 R. 51

DUPLICATE

County Dawson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 18 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

0 Top of Ground

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

12 Est. Water Height

yellow clay

16 sand --water bearing

18

22 blue shale bottom

Owner Hazel Gedferson Bryan Address Lindsay, Montana

Driller Daniel G. Haggerty Address Lindsay, Montana

Date of Notice of Appropriation of Groundwater Not applicable

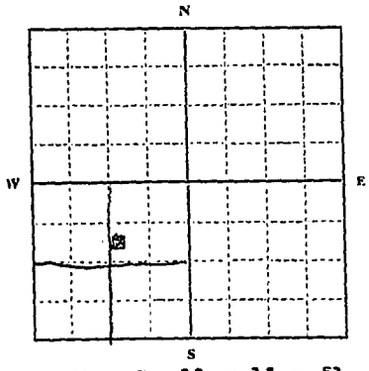
Date well started Aug. 9, 1963 Date Completed Same

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

Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐ Industrial ☐ Drainage ☐ Stock ☒

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	5" 19#	0	22	1/8" slots	16	22



ne ¼ sw Sec. 18 T. 16 R. 51

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

Static Water Level for non-flowing Well 10 feet.

Shut-in Pressure for Flowing Well not applicable

Pumping Water Level 12 feet at 5 gal. per minute.

Discharge in gal. per min. of flowing well not applicable

How Tested bailed Length of Test 1 hr.

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

outside gravel packed

Show exact depth of bottom.

13
Driller's License Number

Daniel G. Haggerty
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.

9804

286297

STATE OF MONTANA
County of Dawson

Filed for record this 16th day of December A. D. 19 63, at 600 o'clock P M.

Gordon W Russell
County Clerk and Recorder.

By _____ Deputy.

Fee pd. $2

GW

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

18

File No.

T. 16 R. 57

County Dawson

DUPLICATE

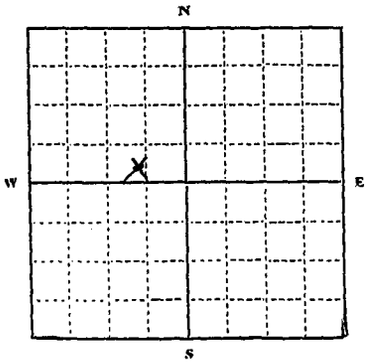
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Hazel Godfreson Bryan, of Lindsay
(Name of Appropriator) (Address) (Town)

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



NW¼ Sec. 18 T. 16 R. 57

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 and for the livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Sometime in 1947. The use has been daily

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 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

None

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal by pump NW¼ Sec. 18 - T16 R57

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater The exact date is not known other than as shown in #3

8. The depth of water table Not known

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 Machine drilled, 5 inch casing and the depth of the well is 60 feet

10. The estimated amount of groundwater withdrawn each year 250,000 gals

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 Not available

Signature of Owner Hazel Godfreson Bryan

Date 12/1/63

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.

8844

286209

STATE OF MONTANA
County of Dawson

Filed for record this 11th day of December A. D. 1963, at 3:00 o'clock P. M.

Gordon H. Russell
County Clerk and Recorder.

By Faye Schettler Deputy.

Fee pd. $2.00

W 3

Approved Stock Form—State Publishing Co., Helena, Montana—39318

File No.

T. 16 R. 51

DUPLICATE

County Dawson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1909

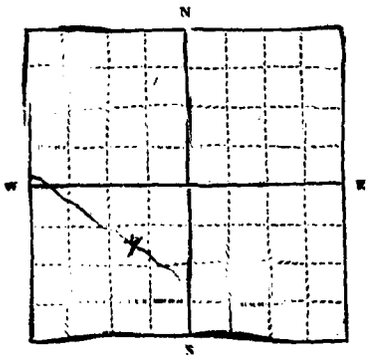
Owner Hazel Godfreson Bryan Address Lindsay

Contractor (if any) None

Address of Contractor None

Date Started Not applicable Date Completed (same)

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



T. 16 R. 51

Indicate amount of appropriation and length 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 Quantity of water not measurable. Flows about 9 mo. for livestock.

Signature of Owner Hazel Godfreson Bryan

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

8845

File No. _____

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237, Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1909

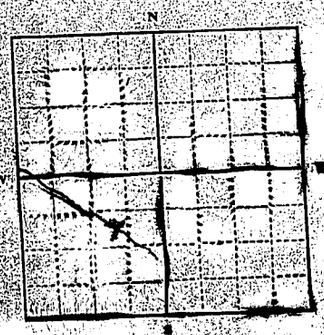
Owner: Hazel Godfrey Bryan Address: Lindsay

Contractor (if any): None

Address of Contractor: None

Date Started: Not applicable Date Completed: (same)

Describe means of obtaining groundwater without a well, as by irrigation and other natural processes. Include depth to water when applicable: Natural flowing spring



Sec. 18 T. 16 R. 51

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: Quantity of water not measured. Used about 9 mo. - all livestock

Signature of Owner: Hazel Godfrey Bryan

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

8845

286210

STATE OF MONTANA
County of Dawson

Filed for record this 11th day of December A. D. 1963, at [illegible] P. M.

Gordon H. Russell
County Clerk and Recorder.

By Faye Scheitlin Deputy.

Fee pd. $2.00

GW 3

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

19

File No.....

T. 16 R. 51

DUPLICATE

County RICHLAND

RECEIVED
DEC 30 1963
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

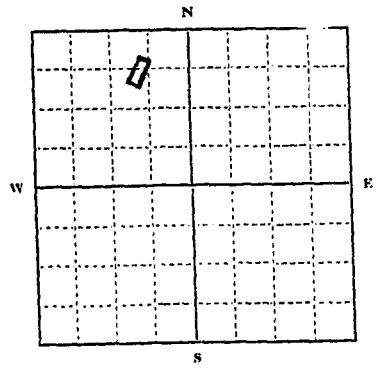
Date of Appropriation of Groundwater SRING

Owner KENNETH LILES Address LINDSAY

Contractor (if any) BERT LEE

Address of Contractor TERRY, MONT.

Date Started JUNE 20, 1957 Date Completed JUNEE 22, 1957



NW ¼ Sec. 19 T. 16 R. 51

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

Describe means of obtaining groundwater without a well "as by sub-arrigation and other natural processes". Include depth to water when applicable. The ground is pretty well sub-irrigated already and I merely dug down six to eight feet and piped out to a tank for stock.

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. I use it eight months of the year. I have a three quarter inch pipe running into the tank and the spring runs this pipe over half full 24 hrs. a day. I imagine it will flow 4 gallons a minute.

Signature of Owner Kenneth Liles

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.

14234