334399 #213

STATE OF MONTANA,
County of Sheridan, } ss.

Filed this 3 day of December A. D. 1963 at 9:30 o'clock A M.

L. J. Nielsen
County Recorder

Deputy

GW

Approved Stock Form—State Publishing Co., Helena, Montana—47234

19

File No.

T. 31N R. 56E

DUPLICATE

County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

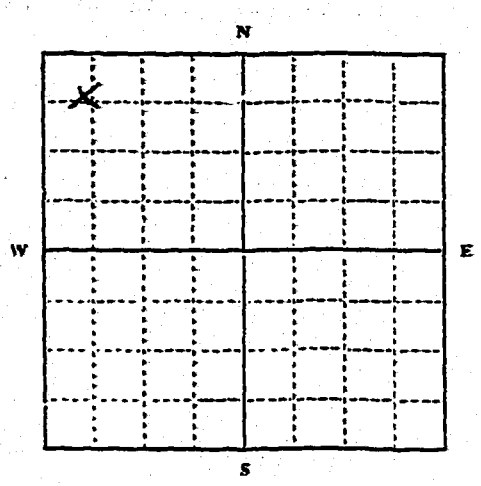
RECEIVED
JAN 15 1964
STATE ENGINEER

Declaration of Vested Groundwater Right

(Under Chapter 237, Montana Session Laws, 1961)

I, Palmer and Betty Bakken, of Homestead, Montana
(Name of Appropriator) (Address) (Town)

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



NW¼ NW Sec. 19 T. 31 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 Household and stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1925, earliest use, and daily use since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons / 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 Withdrawed by means of cylender pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Exact date unknown, approximately 1925.

8. The depth of water table Approximately 30 ft.

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

10. The estimated amount of groundwater withdrawn each year 150,000 gallons/year

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 available.

Signature of Owner Palmer Bakken
Betty Bakken

Date 12-27-63

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

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

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

33079

334830

#379

STATE OF MONTANA, } ss.
County of Sheridan.

Filed this 30 day of December A. D. 1983 at 4:00 o'clock P M.

L. A. Nelson
County Recorder

Deputy

3 GW 2 Revised 1
13—3M—10/69

MONTANA WATER RESOURCES BOARD
RECEIVED
SEP 27 1971

County Sheridan 19

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 McCidar Farms Inc

Address Homestead Montana

Date well started Aug 70

completed

For Administrator's Use
File 357833 September 17, 1971 4:00 PM
GW I

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

Equipment used rotary (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

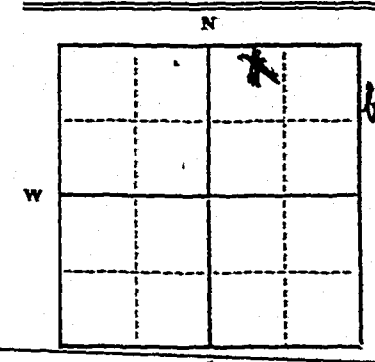
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 1,000,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6¾" to 512	4½ O.D 9½ lb.	0	512	3/16 perf	850	860
3 7/8" to 1160	2 3/8" tubing 6½ lb.	512	1160	"	1130	1160



Static water level flows ft.*
Pumping water level 100 ft.* bailed
at 20 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by bailed
for 3 hours.
Power Elec. Pump 1 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) 3 packers - Jamesbury type

NW ¼ NE ¼ Sec. 19
T. 31 N R. 56 E
B M

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

Driller's Signature Melvin Traugott

Driller's Address Williston, No. Dak.

LICENSE NO. 162

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	4	Surface clay
4	25	Sandy yellow clay
25	29	Gravel
29	66	Blue clay
66	81	Sandy black clay
81	99	Rock gravel muddy
99	121	Black clay
121	126	Coal
126	131	Blue clay
131	136	Coal
136	139	Black clay
139	142	Sandy clay
142	145	Coal
145	179	Clay
179	187	Sandy shale + Coal
187	200	Coal
200	216	Clay
216	218	Coal
218	275	Coal, shale + clay
275	279	Rock
279	324	Clay with Coal streaks
324	337	Sandy clay
337	386	Clay with Coal streaks
386	398	Clay
398	401	Coal
401	514	Clay with Coal streaks
514	531	Clay
531	534	Limestone
534	720	Clay
720	723	Limestone
723	799	Clay
799	802	Limestone
802	848	Sandy Clay
848	860	Coal
860	1055	Sandy clay
1055	1082	Hard clay
1082	1106	Clay
1106	1120	Sandy clay
1120	1150	Gray Sand
1150	1160	Clay
		Well flows

1160 Show exact depth of bottom

49144

357933

357933

#601

STATE OF MONTANA }
County of Sheridan } ss.

Filed for record this 11 day of Sept A. D. 19 71 at 4:00 o'clock P. M.

L. A. Nelson
County Recorder

By _____ Deputy

GV

Approved Stock Form—State Publishing Co., Helena, Montana—12734

19

File No. _____

T. 31 N R. 56

DUPLICATE

County SHERIDAN

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

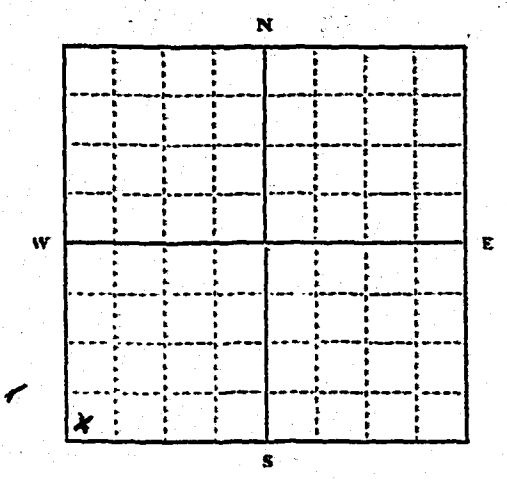
RECEIVED
JAN 15 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. HARRIET M. OLSON, of HOMESTEAD
(Name of Appropriator) (Address) (Town)

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



SW¼SW¼ Sec. 19 T. 31 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.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1956 - STEADY TO DATE

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1956

8. The depth of water table 80 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 BORED

10. The estimated amount of groundwater withdrawn each year 200,000 GAL. APPROX.

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

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

Signature of Owner Harriet Olson

Date DEC. 28 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.

33138

334903 #438

STATE OF MONTANA, } ss.
County of Sheridan.

Filed this 31 day of December A. D. 1963 at 1:10 o'clock P. M.

L. A. Nelson
County Recorder

Deputy

County Sheridan 20

GW 2 Revised 1969
STATE PUBLISHING COMPANY

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

RECEIVED APR 19 1971

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 Mrs. Backus

Address Plentywood Mont.

For Administrator's Use
File 356758 April 9, 1971 11:30 a.m.
GW 1

Date well started July 10 - 70

completed July 15 70

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 ☐* 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 4,000,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7 7/8" to 174 ft.	5 3/4" I.D. Plastic Casing	0	176	0	0	0
6 1/4 to 188 ft.						

N
W E
S

Static water level 120 ft.*
Pumping water level 155 ft.*
at 10 gallons per minute,
measured 30 minutes after pumping began.
*Measured from ground level.
Well developed by Bailer
for 2 hours.
Power Electric Pump 3/4 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

NE ¼ NE ¼ Sec. 20
T. 31 N/S R. 56 E/W

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

Driller's Signature Albert Anderson

Driller's Address Medicine Lake Mont

LICENSE NO. 106

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	55	Clay
55	70	sandy Clay
70	88	Clay
88	88.6	Rock
88.6	101	Clay
101	118	Gravel
118	131	Clay
131	154	sandy Clay
154	156	Clay
156	165	sandy Clay
165	170	sand
170	172	sandy Clay
172	177	Clay
177	188	sand water

188 Show exact depth of bottom

48366

356758

#599

STATE OF MONTANA } ss.
County of Sheridan

Filed this 9 day of
A. D. 19 71
11:30 o'clock A. M.

County Recorder
By Myrtle Hallin
Deputy

N1

File No. _____ T 31N R 56E 20

DUPLICATE

County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED DEC 11 1962 STATE ENGINEER

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

1. I, Mervin C. Bakken (Name of Appropriator), of Homestead (Address) (Town) County of Sheridan, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is Domestic & Stock on NE¼NW¼NE¼ of Sec. 20, T31, R56 (describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed (estimated) 12.

4. The annual period (inclusive dates) of intended use year 'round

5. The probable or intended date of first beneficial use immediate

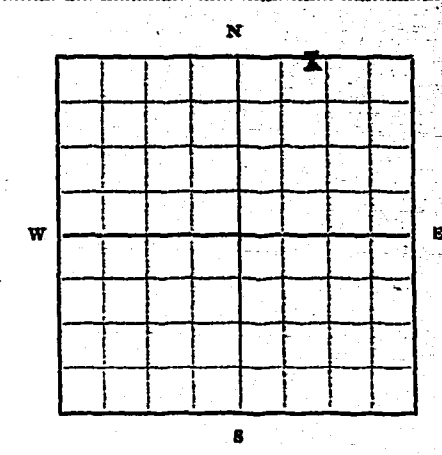
6. The probable or intended date of commencement and completion of the well* or wells* completed

7. The location, type, size and depth of well or wells contemplated NE¼NW¼NE¼ Sec.20,T31,R56; drilled, ~~10"~~ 175' 4" casing

8. The probable or estimated depth of the water table or artesian aquifer 112'

9. Name, address and license number of the driller engaged Frontier Irrigation & Drilling Company, Culbertson, Montana

10. Give such other similar information as may be useful in carrying out the policy of this act. Will be at corner of a new house



NE ¼ Sec. 20 T. 31 R. 56

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

Signature of Appropriator Mervin Bakken

Date December 10, 1962

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

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

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

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

2684.

531066 104

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

Filed this 10 day of
Dec A. D. 1962
at 4:00 o'clock PM.

A. E. Hoak
County Recorder

Deputy

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

File No.

T. 31N R. 56E

DUPLICATE

County Sheridan

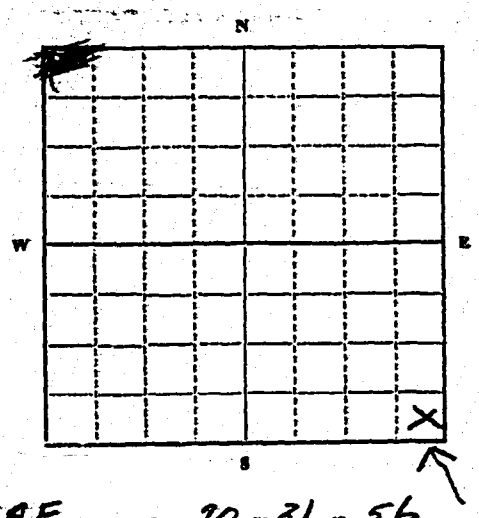
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 7 1962
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I James S. Bolstad, of Homestead
(Name of Appropriator) (Address) (Town)
County of Sheridan State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE E 1/4 Sec 20 T 31 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 and household use including drink

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 9-15-53 Constantly

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

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 Cylinder pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 9-1-53 9-15-53

8. The depth of water table

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Casing 4" steel 240'

10. The estimated amount of groundwater withdrawn each year 40,000 gals.

11. The log of formations encountered in the drilling of each well if available 0-32' yellow clay 32-76 yellow sand 76-127' Blue clay 127-142 Coarse sand some gravel some water 142-162 Blue clay 162-163 sandy clay 163-167 Coal 167-183 Blue clay 183-230 sand clay 230-235 sand bethered sand water 235-240 Coal, 240-246 sand 246-248 Clay 248-250 Coal.

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 Bottom filled with 10' of gravel (fine)

Signature of Owner James S. Bolstad

Date Nov 5, 1962

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

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

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

2439

330668 #97

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

Filed this 5 day of
Nov. A. D. 19 62
at 10:10 o'clock A M.

A. D. Street
County Recorder

By Myrtle Walker
Deputy

Approved Stock Form—State Publishing Co., Helena, Montana—40876

File No.

DUPLICATE

T 31N R 56E

County Sheridan

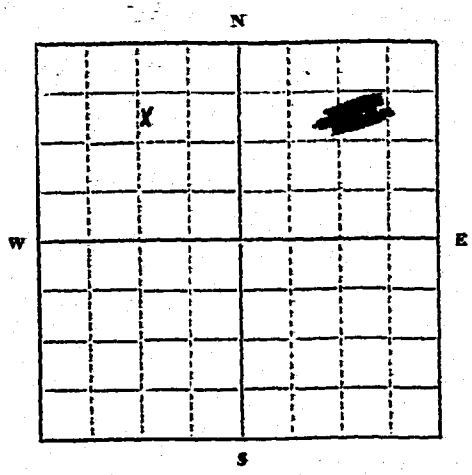
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 15 1964 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Kinley E and Nori Bolstad, of Homestead
(Name of Appropriator) (Address) (Town)
County of Sheridan State of Mont
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE ¼ NW Sec 21 T 31 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 Domestic Stock and some irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1908 Continuous to Date Dec 20, 1963

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 500

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 For Garden Lawn and Trees.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1908 - 1963

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 4 in pipe 120 ft

10. The estimated amount of groundwater withdrawn each year 500,000 gal

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

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 available

Signature of Owner Kinley E Bolstad
Nori Bolstad
Date Dec 20, 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.

33102

334853

#402

STATE OF MONTANA
County of Sheridan } ss.
Filed this 30 day of
December A. D. 19 88
at 4:00 o'clock P M.

L.A. Nelson
County Recorder

Deputy

JW 3

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

21

File No.

T 31 N R 56 E

County Sheridan

DUPLICATE

RECEIVED
JAN 15 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 Ground-water 1940

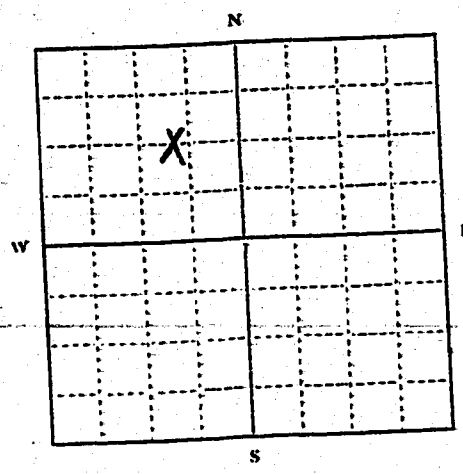
Owner Kenley E. Bolstad Address Homestead
NORA BOLSTAD

Contractor (if any)

Address of Contractor

Date Started 1940 Date Completed 1940

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes" Include depth to water when applicable Stock and Irrigation Dugout Dpt of water about 10 ft when full area about 1 acre Drainage area Sec 21, Twp 31 R 56



____ ¼ ____ Sec. ____ T. ____ 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 all year

Signature of Owner Kenley E. Bolstad
Nora Bolstad

Date Dec 28 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.

33100

334851

#400

STATE OF MONTANA, } ss.
County of Sheridan

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

L. A. Nelson
County Recorder

Deputy

Approved Stock Form—State Publishing Co., Helena, Montana—38687 21

File No. _____ T. 31 N R. 56

DUPLICATE County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

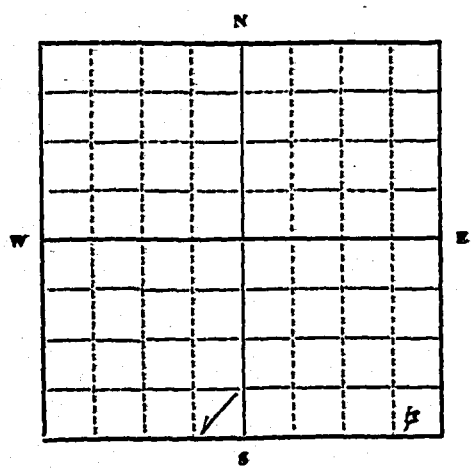
RECEIVED SEP 11 1962 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED SEP 21 1962 STATE ENGINEER

1. Chester Paulson (Name of Appropriator), of Homestead (Address) (Town)
County of Sheridan State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NSW 1/4 Sec 21 T 31 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 Human & Stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1920, continuously

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 ft level and has never been pumped dry.

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
1 1/4 pipe and cylinder.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1920

8. The depth of water table 6 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
Drilled 6 inch steel casing. 115 ft deep.

10. The estimated amount of groundwater withdrawn each year 24000 gals

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
None

Signature of Owner Chester Paulson

Date Sept 7, 1962

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

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

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

2077.

330067

#93

STATE OF MONTANA, } ss.
County of Sheridan.

Filed this 10 day of
Sept A. D. 19 62
at 10.00 o'clock A M.

A D Hauck
County Recorder

By Myrtle Waller
Deputy

22

JW 3

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

File No.

T 31 N R 56 E

County Sheridan

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 15 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1940

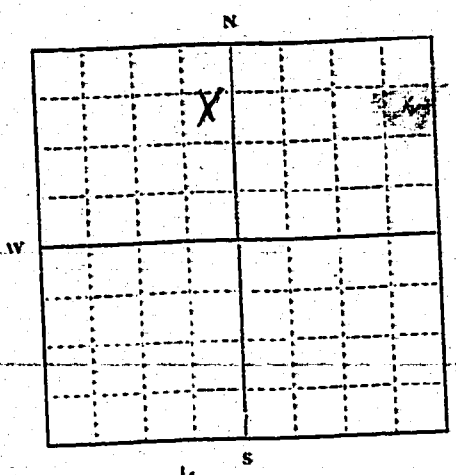
Owner Kenley E Bolstad Address Homestead
Mrs. Nora Bolstad

Contractor (if any)

Address of Contractor

Date Started 1940 Date Completed 1940

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Dam to store water from water shed from Sec 21, 22, 26, 27, 28 Twp 31 Range 56 Dept of water Dam 10 ft



N.E. ¼ N.W. ¼ Sec. 22 T. 31 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 all year

For livestock use and for irrigation when needed

Signature of Owner Kenley E Bolstad

Date Dec 28 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.

33101

334852

#401

STATE OF MONTANA } ss.
County of Lincoln.

Filed for record the 30 day of December A. D. 1973, at 2 o'clock P. M.

Ed. Nelson
County Recorder

By
Deputy

Approved Stock Form—State Publishing Co., Helena, Montana—40876

GW.

T. 31 N R. 56 E

File No.

County Sheridan

DUPLICATE

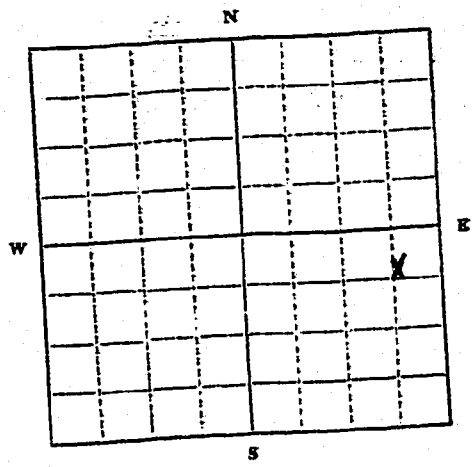
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 15 1964 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Kenley E and Nora Bolstad, of Homestead
(Name of Appropriator) (Address) (Town)
County of Sheridan State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 SE 1/4 Sec. 22 T. 31 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 and home Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1908 - 1963 no Date

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1000.

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 SE 1/4 Sec 22, 31, 56

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1908

8. The depth of water table 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 2 ft 115 ft

10. The estimated amount of groundwater withdrawn each year 100,100

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 none

Signature of Owner Kenley E Bolstad
Mrs. Nora Bolstad
Date Dec 20 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.

33163

334854

#403

STATE OF MONTANA } ss.
County of Sheridan

Filed this 30 day of December A. D. 19 63 at 4:00 o'clock M.

L. A. Nelson
County Recorder

Deputy

Approved Stock Form—State Publishing Co., Helena, Montana 47234

File No.

T 31 N R 56

DUPLICATE

County Sheridan

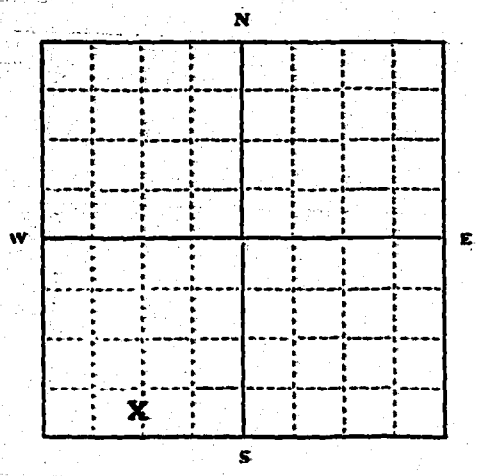
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 15 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I Eddie M. Nelson & Irene L. Nelson, of Homestead
(Name of Appropriator) (Address) (Town)
County of Sheridan State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW ¼ SW¼ Sec. 24 T. 31 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 watering cattle

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1950--continuous use.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gallons per minute

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1950

8. The depth of water table 36 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 40 foot deep--augured--two foot wood casing.

10. The estimated amount of groundwater withdrawn each year 750,000 gallons

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

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

Mrs Irene L. Nelson
Signature of Owner Eddie M. Nelson

Date December 19, 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.

32983

334672 # 283

STATE OF MONTANA, }
County of Sheridan } ss.

Filed this 23rd day of December A. D. 19 73

at 8:30 o'clock A M.

L. A. Nielsen
County Recorder

Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—393

File No.

T. 31N R. 56

DUPLICATE

County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 17 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Floyd Martini Address Homestead Mont.

Driller Albert Andersen Address Medicine Lake Mont

Date of Notice of Appropriation of Groundwater Nov. 27-63

Date well started Oct 21-63 Date Completed Dec 27

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

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

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

0	Top of Ground
To	(Elev. above sea level)
13	sand & silt
To	
27	clay
To	
30	silt
53	clay much
60	clay
62	clay & gravel
114	clay
125	loose sand
188½	soft clay
130	dirty sand & gravel water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5½"	4" I.D.	0	127	and	1 ft	and
4½"	9 lb.	127	131	3 ft	from	bottom
	131'-6"			of	Casing	

Static Water Level for non-flowing Well 8 ft. feet.

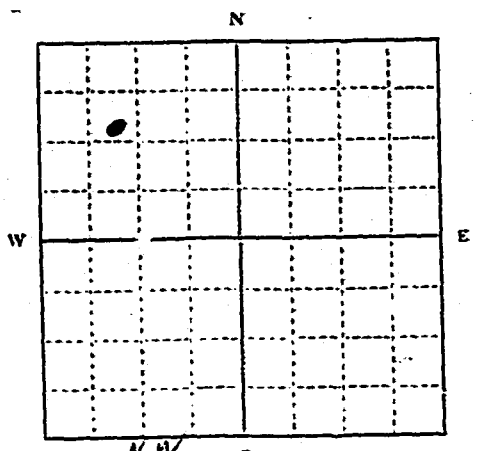
Shut-in Pressure for Flowing Well 0

Pumping Water Level 54 feet at 3 gal. per minute.

Discharge in gal. per min. of flowing well 0

How Tested pump Length of Test 8 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)



NW ¼ NW Sec. 26 T. 31 R. 56

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

~~Show exact depth of bottom.~~

106
Driller's License Number

Albert E. Andersen
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.

35605

335174

STATE OF MONTANA, } ss.
County of Sheridan,

Filed this 22 day of Jan A. D. 19 67 at 12:015 o'clock P. M.

[illegible]
County Recorder

Deputy

File No. _____

T 31 N R 56 E 27

County _____

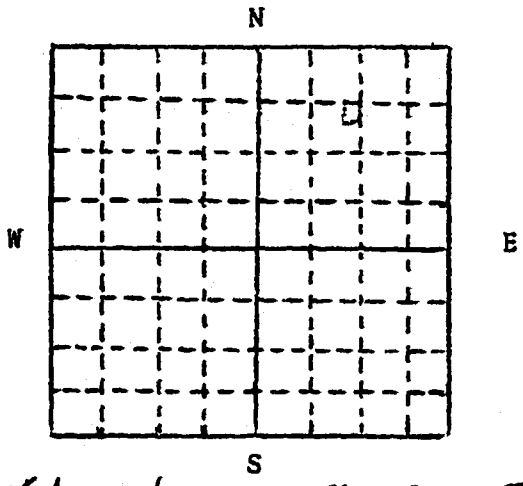
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 15 1964
STATE ENGINEER

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

1. Floyd MARTINI, of Homestead
(Name of Appropriator) (Address) (Town)

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



NW 1/4 NE Sec. 27 T. 31 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 Household + Stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1918 Continuously

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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 Lawn + Garden

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1918

8. The depth of water table 80 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 130 ft 6" Casing

10. The estimated amount of groundwater withdrawn each year 365,000

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

12. Such other information of a similiar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None available

Signature of Owner Floyd Martini

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.

33139

334904

#439

STATE OF MONTANA,
County of Sheridan, } ss.

Filed this 31 day of December A. D. 1973 at 1:00 o'clock P. M.

L. A. Nelson
County Recorder

Deputy

32

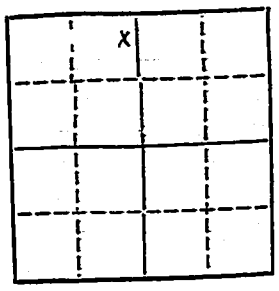
T. 31N R. 56E

County Sheridan

RECEIVED
JAN 2 1952
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Edward P. Stubber Address Homestead, Mont.

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

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

Location: Sec. 32 T. 31 R. 56 ¼ sec. N ½

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

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

Industrial [ ] Drainage [ ] Other: .....

Casing: 150 ft. to ..... ft. Type ..... Size 4"

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: 50 feet.

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

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

How tested: .....

Length of test .....

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

.....

.....

.....

.....

(over)

328829 #81

STATE OF MONTANA, }ss.
County of Sheridan

Filed this 29 day of
Dec A. D. 1964
at 3:00 o'clock P M.

[illegible]
County Recorder

Deputy

3 GW 2 Revised 1969
13—3M—10/69

County Gallatin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

MONTANA WATER RESOURCES BOARD
RECEIVED
APR 19 1971

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 McCabe Farms

Address Homestead
Mont

Date well started April 1970

completed

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 ☐* 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).

For Administrator's Use
File 356693
March 31, 1971
4:00 PM
GW 1

ESTIMATED ANNUAL WITHDRAWAL 1,000,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5 3/4 to 318'	4" I.D.	8	337	3/16" slots	330	337
4 3/4" to 350	11 lb. 8 ft Monitor pattern seal on top					

N
W E
S

NW1/4 SE1/4 Sec. 19
T 26 N/S R 56 E/W

Static water level 100 ft.*
Pumping water level 283 ft.*
at 9 gallons per minute,
measured 30 minutes after pumping began.
*Measured from ground level.
Well developed by Bailer
for 5 hours.
Power Electric Pump 1 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Albert Anderson

Driller's Address Medicine Lake
Mont LICENSE NO. 106

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	4	soil & rocks
4	45	sandy yellow clay
45	59	rocks & gravel
59	66	clay
66	89	gravel
89	99	yellow clay
99	99	gravel
99	114	blue clay
114	118	coal
118	180	clay and coal streaks
180	182	soft - 5 GPM water
182	189	clay
189	193	coal
193	231½	clay
231½	226	coal
226	231	clay
231	235	coal hard
235	255	clay - coal streaks
255	258	coal
258	272	clay sandy & coal
		Made quite a little sandy water
272	306	clay
306	308	soft rock
308	333	clay
333	342	hard sand water
342	349	hard clay
349	350	water

350 Show exact depth of bottom

48364

#517

35

STATE OF MONTANA | ss.
County of Sheridan.

Filed for record this 31 day of March A.D. 19 77 at 8 o'clock A M

R P Wells
County Recorder

Deputy

GW 2 Revised 1969
STATE PUBLISHING COMPANY

County Glendive

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)

APR 19 1971

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 McCabe Farms Inc

Address Hwy 7 E
Glendive

For Administrator's Use
File 356694 March 31, 1971 4:00 P.M.
GW 1

Date well started Aug 70

completed

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 ☐* 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 1,000,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5 3/4" To 145'	4" I.D. 11 lbs	8	125.6	3/16 slots	187.6	145.6'
4 1/2" To 207 ft	3 1/2"	197'	215'	3/16" slots	211'	215'
3 7/8" To 220	(9 ft Monitor pitless) and					

N
W E
S

Static water level 99 ft.*
Pumping water level 181 ft.*
at 5 gallons per minute,
measured 30 minutes after pumping began.
*Measured from ground level.
Well developed by Bailer
for 5 hours.
Power Electric Pump 1 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

N ¼ NE ¼ Sec. 19
T. 34 N/S R. 56 E/W

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

Driller's Signature Elliot Carlson

Driller's Address Medicine Lake
Mont LICENSE NO. 106

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	13	yellow clay sa. & Cob
13	66	Gravel
66	77	clay
77	98	gravel
98	118	blue clay
118	121½	Coal
121½	123	coal & clay mixed
123	130	clay
130	134½	soft rock
130½	177	clay
177	193½	Coal
193½	200	clay
200	203	sa. & little water
203	211	clay
211	213	clay & little water
213	216	fine sandy clay
216	220	clay

220 Show exact depth of bottom

48365

#581

356694

STATE OF MONTANA, } ss
County of Sheridan

Filed this 31 day of March A. D. 19 76 at 8 o'clock A M.

Elizabeth Nielsen
County Recorder

By _____
Deputy

GW 2

File No.

DUPLICATE

T 31 N R 56 E

County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED DEC 17 1962 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 1908)

Owner Mervin Bakken Address Homestead, Mont.

Driller Schnell Inc. Address Dickinson, N.D.

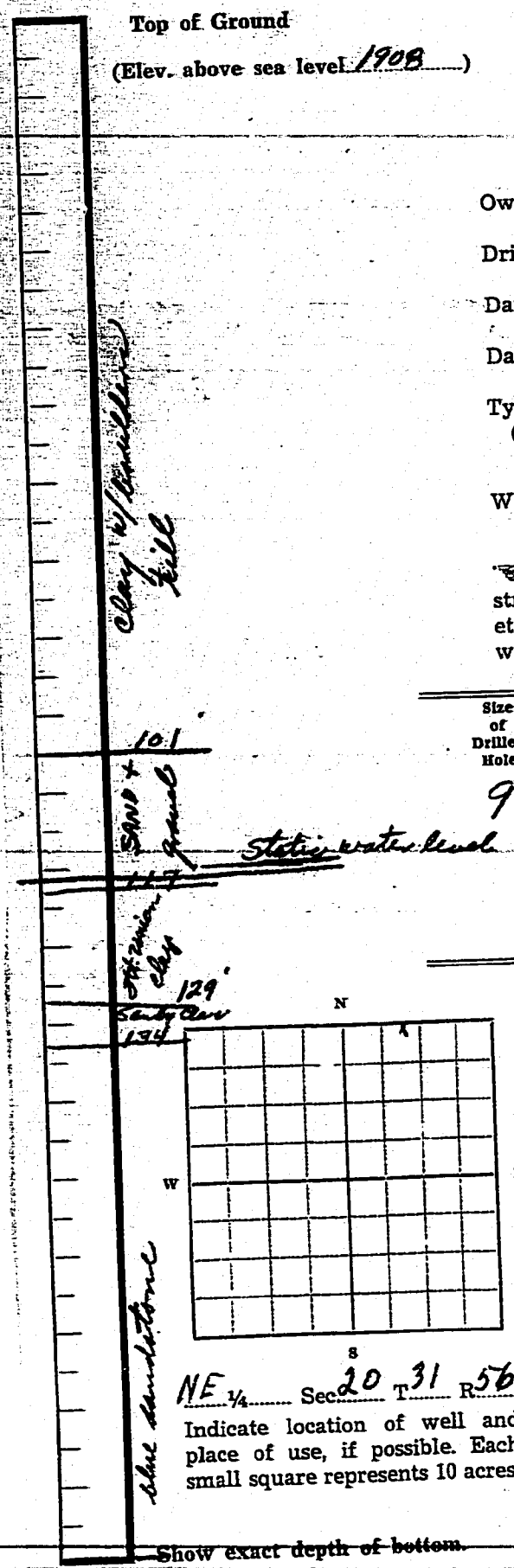
Date of Notice of Appropriation of Groundwater 12-10-62

Date well started 11-26-62 Date Completed 12-1-62

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)
9"	4½" O.D. 10.89# per ft.	0	164	Slotted Pipe	164	174

N W E S

NE ¼ Sec 20 T 31 R 56

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

Static Water Level for non-flowing Well 115 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 138 feet at 12 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested air jet 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) Gravel packed to 125' – Cemented casing from 125' up to 80' to seal off top vein of bad water (20 sacks of Cement)

Show exact depth of bottom.

No. 77
Driller's License Number

Paul W. Konig
Driller's Signature Branch Mgr.

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.

2732

35/127 110

Driller's License Number

Driller's Signature

STATE OF MONTANA } ss.
County of Sheridan.

Filed this 14 day of

Dec A. D. 19 62

at 1:00 o'clock P. M.

Ada Kaul
County Recorder

Deputy

GROUNDWATER INDEX

County SHERIDAN Twp. 31N Rge. 57E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	SMITH, ED	well log		
11	OSTBY, EMERY J	GW H	334795	
12	OSTBY, EMERY J.	H	334794	
14	OSTBY, EMERY J.	H	334797	
15	STATE OF MONTANA	well log		
17	ANDERSON, ALBERT	GW 2	340306	
18	THE USA DEPART. OF THE INTERIOR	GW H	334741	
19	THE U.S.A. DEPART OF THE INTERIOR	H	334742	
19	THE U.S.A. DEPART. OF THE INTERIOR	H	334740	
19	THE U.S.A. DEPART. OF THE INTERIOR	H	334739	
19	THE U.S.A. DEPART. OF THE INTERIOR	H	334738	
19	THE U.S.A. DEPART. OF THE INTERIOR	H	334737	
20	THE U.S.A. DEPART. OF THE INTERIOR	H	334736	
25	WHEELER-BARTLEY RANCH INC	H	333648	
25	WHEELER-BARTLEY RANCH INC	H	334180	
26	CLARK, D. J.	H	334560	
27	WHEELER-BARTLEY RANCH INC	H	334182	
28	CLARK, DONALD	GW 2	359353	
28	CLARK, D.J.	GW 2	334542	
29	WHEELER-BARTLEY RANCH INC	GW H	334184	
30	WHEELER-BARTLEY RANCH INC	H	334181	
31	KROGEDAL, MERLE	H	334882	
31	KROHMER, CARROLL	H	334766	
	~~STATE OF MONTANA~~	H		
34	CLARK, D.J	H	334559	
35	CLARK, RALPH	GW 2	334539	
27	Wheeler Jim	well log	—	
29	" "	" "		

1

Form No. 18
8-60

T. 31 N R. 57 E
County Sheridan

RECEIVED
NOV 13 1961
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Ed Smith Address Dagmar, Mont.
Driller Western Drilling Co Address Red Lake Mont.
Date Started 11-9-61 Date Completed 11-11-61
Location: Sec. 1 T. 31 R. 57 ¼ sec. NE¼-SW¼-Sec 1

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

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

Casing: 0 ft. to 85 ft. Type 4" Size steel
Casing: ft. to ft. Type Size
Casing: ft. to ft. Type Size
Perforated ~~or Screened~~: Ft. 80 to ft. 85. Ft. to ft.
Type of screen or perforations
Static Water level, for non-flowing well: 50 feet.
Shut-in pressure, for flowing well: lb./sq. in. on: (date)

Pumping water level 65 feet at 20 gal. per min.
How tested: bailer
Length of test 1 hour.

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

8" hole was drilled to 85 ft. - lower 5 ft of casing was perforated with fine cutter, then casing was centerized in middle of hole and screened fine gravel was poured around casing above the perforations, remainder of hole around casing up was filled with dirt.

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	32	yellow clay
32	66	soft sticky blue clay
66	88	water sand water well

G

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

File No.

T 31 N R 57 E

DUPLICATE

County Sheridan

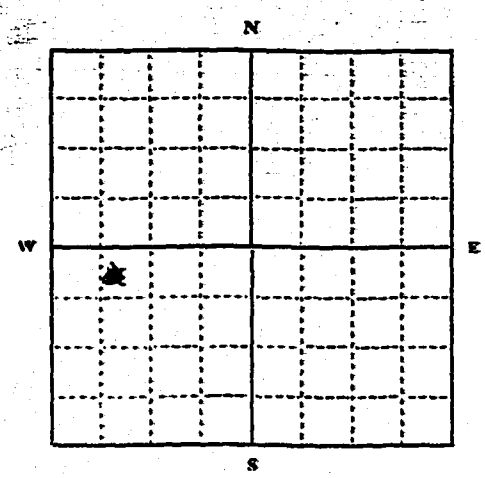
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 15 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I Emery J. Ostby (Name of Appropriator), of Dagmar (Address) (Town)
County of Sheridan State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S W ¼ Sec. 11 T. 31 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: water for livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1939 Has been in use since that time

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 5 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 withdrawing such water from the ground and the location of each well or other means of withdrawal: wind mill 2½ inch cylinder in well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: well was completed in 1939 exact date not known

8. The depth of water table: 4½ feet - 95½ ft. 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: drilled well 100 ft. deep 5 inch casing

10. The estimated amount of groundwater withdrawn each year: thirty five thousand gallon s

11. The log of formations encountered in the drilling of each well if available: Information 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: Emery J. Ostby

Date: Dec 27 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.

33044

334-195 #344

STATE OF MONTANA, } ss.
County of Sheridan.

Filed this 30 day of November A. D. 19 93
at 12:00 o'clock P. M.

L. A. Nelson
County Recorder

Deputy

Montana

Deed

Sheridan

T 37 N R 57 E

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

12

File No.

DUPLICATE

T 31N R 57 E

County Sheridan

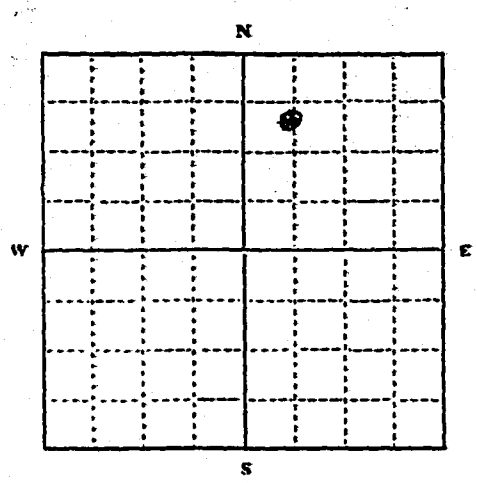
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 15 1964 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Emery J. Ostby (Name of Appropriator), of (Address) Dagmar (Town)
County of Sheridan State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N E ¼ Sec. 12 T. 31 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 water for livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been summer of 1951 used every year since that time

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 35 gal. per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal The livestock drink directly from the excavation

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater summer of 1951

8. The depth of water table approximately 3 ft. 12 ft from surface

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater this is a dug-out about 20 ft. in diam. 15 ft. deep no casing

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

11. The log of formations encountered in the drilling of each well if available 12 ft. clay 3 ft. of sand and gravel- water bearing

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 Emery J. Ostby

Date Dec 27, 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.

33043

334794 #343

STATE OF MONTANA, } ss.
County of Sheridan.

Filed this 30 day of December A. D. 19 03 at 12:05 o'clock P M.

L. A. Nelson
County Recorder

Deputy

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

14

File No.

T. 31 N R. 57 E

DUPLICATE

County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 15 1964 ENGINEER

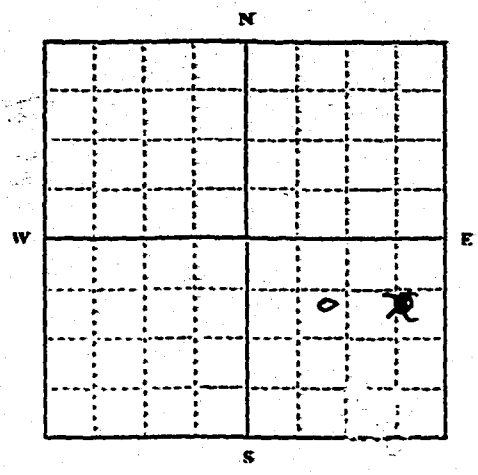
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Emery J. Ostby (Name of Appropriator), of Dagmar (Address) (Town)

County of Sheridan State of Montana

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



S E¼ Sec. 14 T. 31 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: Water for livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: summer of 1951 used continuously since that time

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 30 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 withdrawing such water from the ground and the location of each well or other means of withdrawal: the livestock drink directly from the excavation

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Summer of 1951

8. The depth of water table: approximately 2½ feet 11½ ft. from surface

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: this is a dug-out 25 ft. in diam. 14 ft. deep no casing

10. The estimated amount of groundwater withdrawn each year: 450,000 gal.

11. The log of formations encountered in the drilling of each well if available: 11½ ft. of clay 2½ ft. of water bearing gravel

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: none

Signature of Owner: Emery J. Ostby

Date: Dec 27, 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.

33046

334797 #346

STATE OF MONTANA, }ss.
County of Sheridan,
Filed this 30 day of
December A. D. 19 83
at 12:05 o'clock P. M.

County Recorder

Deputy

15

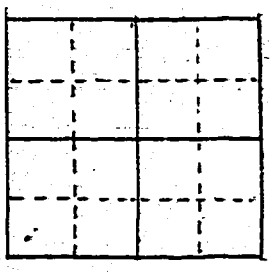
Form No. 18
8-60

T. 31 N R. 57E
County Sheridan

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
DEC 6 1961
STATE ENGINEER

WATER WELL LOG



Owner State of Montana Address
Driller Western Drilling Co Address Med Lake Mont
Date Started 11-6-61 Date Completed 11-7-61
Location: ~~Sec.~~ 31 T. 57 R. ~~Q~~ sec. SW4 SW4 of Sec 15

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

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

Casing: 0 ft. to 174.6" ft. Type steel Size 4"
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: 50 ft feet.

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

Pumping water level 80 ft feet at 20 gal gal. per min.

How tested:

Length of test 1 hour

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

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	24	yellow clay
24	26	fine gravel
26	40	yellow sand
40	118	hard yellow sand
118	120	soft yellow clay
120	130	sand
130	140	coarse sand
140	144	soft sand
144	145	fine gravel
145	168	sand and clay
168	170	Coal
170	173	gravel Water well

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—3931

STATE WATER CONSERVATION BOARD
RECEIVED
SEP 8 1965

File No. _____

DUPLICATE

REFERRED TO _____

T 31N R 57E 17

County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: The United States of America, Bureau of Sport Fisheries and Wildlife — Address: P.O. Box 3737, Portland, Oregon 97208

Driller: Albert Andersen — Address: Medicine Lake

Date of Notice of Appropriation of Groundwater: July 27-65

Date well started: July 24-65 — Date Completed: July 27-65

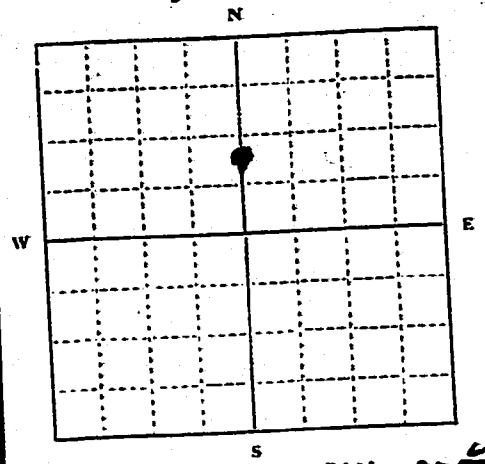
Type of well (dug, driven, bored or drilled): drilled — Equipment Used (Churn, drill, rotary or other): rotary

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.

0	Top of Ground
10	(Elev. above sea level _____)
17	sand
49	mucky clay
50	gravel
75	muck clay
76½	dirty gravel
90	clay & sand
92	some gravel
115	clay
115-6	coal
120	dirty sand
132	clay
133	coal
137	hard clay
141	soft clay
144	hard sand
141-144	Water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5 5/8" to 135	4 inch I.D.	0	141	0	0	0
4 1/2" to 144	11 lb.					



SW ¼ NE ¼ Sec. 17 T 31N R 57E

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

Static Water Level for non-flowing Well: 16 ft feet.

Shut-in Pressure for Flowing Well: 0

Pumping Water Level: 36 feet at 10 gal. per minute.

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

How Tested: Pump — Length of Test: 4 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)

Show exact depth of bottom.

106
Driller's License Number

Albert Andersen
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.

39542

340306 #557

STATE OF NEW MEXICO
County of Sheriff

Filed this 27 day of Sept 1965 at 10:00 o'clock A.M.

County Recorder

Deputy

RECEIVED
SEP 27 1965
STATE WATER COMMISSION, SANTA FE

RETURNED TO ..... Of ..... 19 .....

GV

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

File No.

T. 31N R. 57E

DUPLICATE

County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Medicine Lake National Wildlife Refuge, Medicine Lake, Sheridan & Roosevelt County, Montana (#1)

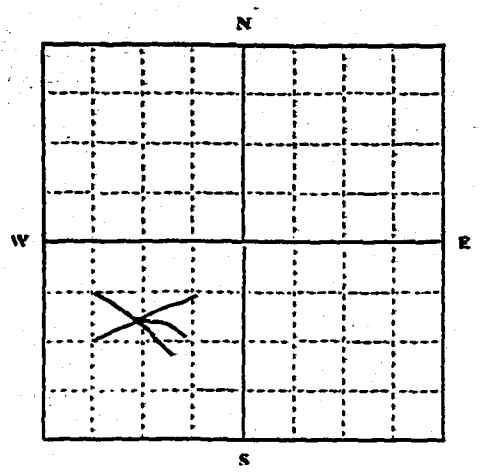
RECEIVED JAN 15 1964 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

The United States of America
By J.T. Barnaby, Acting Regional Director
Bureau of Sport Fisheries and Wildlife
Fish and Wildlife Service
I Department of the Interior, of P. O. Box 3737, 1002 N. E. Holladay Street, Portland
(Name of Appropriator) (Address) (Town)

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



Sec. 18 T31N R57E

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 and wildlife watering facilities (range).

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1938 (no further data) continuous usage.

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 no irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Open watering pond with no mechanical removal of water.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Constructed sometime in 1938.

8. The depth of water table About 4 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 Combination dug, open pit and dike about 40' x 150' x 8' deep.

10. The estimated amount of groundwater withdrawn each year ½ acre foot

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

Original signed by
J. T. BARNABY

Signature of Owner
J. T. Barnaby, Acting Regional Director
Date December 18, 1963

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

Please answer all questions. If not applicable, 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.

33009

334741

STATE OF MONTANA
County of Sheridan } ss

Filed this 30 day of December A.D. 1973
at 11:00 o'clock A.M.

Lyle Muller
County Recorder

Deputy

#309

GT

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

19

File No.

T. 31N R. 57E

DUPLICATE

County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Medicine Lake National Wildlife Refuge
Medicine Lake, Sheridan &
Roosevelt County, Montana
(#2 Reed's Pond)

D

JAN 15 1964

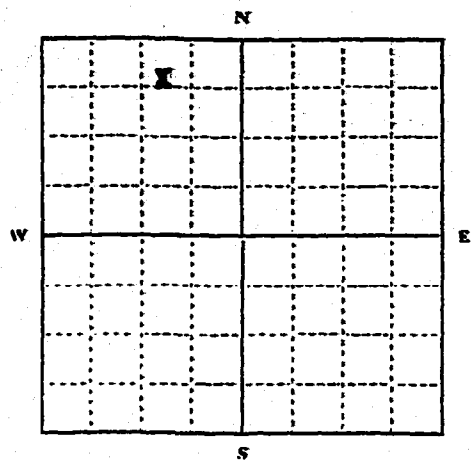
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

The United States of America, by J. T. Barnaby, Acting Regional Director, Bureau of Sport Fisheries and Wildlife, Fish and Wild. Ser., Department of the Interior, P. O. Box 3737, of 1002 N. E. Holladay Street, Portland
(Name of Appropriator) (Address) (Town)

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



NW ¼NW¼ Sec. 19 T. 31N R. 57E

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 and wildlife water facilities (range).

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1938 (no further data) continuous usage.

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 No irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Open watering pond with no mechanical removal of water.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Constructed sometime in 1938

8. The depth of water table About 4 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 Not Available

10. The estimated amount of groundwater withdrawn each year ½ acre feet

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

Original signed by
Signature of Owner I. T. BARNABY
J. T. Barnaby, Acting Regional Director
Date December 18, 1963

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

Please answer all questions. If not applicable, 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.

33010

334742

310

STATE OF MONTANA,
County of Sheridan, } ss.

Filed this 26 day of
December A. D. 19 63

at 11:00 o'clock A M.

L. A. Nielsen
County Recorder

Deputy

GV

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

19

File No.

T 31N R 57E

DUPLICATE

County Sheridan

STATE OF MONTANA Medicine Lake National Wildlife Refuge
ADMINISTRATOR OF GROUNDWATER CODE Medicine Lake, Sheridan & Roosevelt County, Montana
OFFICE OF STATE ENGINEER (Stock Watering Pond #5)

Declaration of Vested Groundwater Rights

JAN 15 1964

STATE ENGINEER

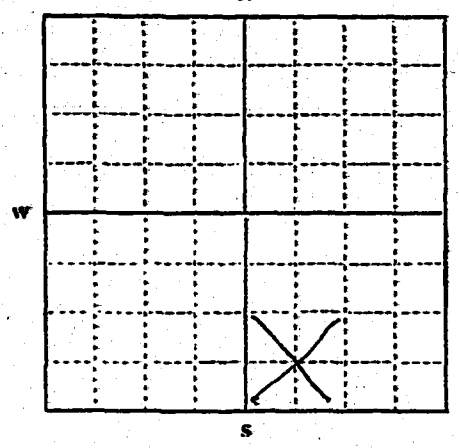
(Under Chapter 237, Montana Session Laws, 1961)

The United States of America
By J. T. Barnsby, Acting Regional Director
Bureau of Sport Fisheries & Wildlife
Fish and Wildlife Service

I, Department of the Interior (Name of Appropriator), of P.O. Box 3737 (Address) 1002 N. E. Holladay Street, Portland (Town),

County of Multnomah State of Oregon 97208

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



SW 1/4 SE1/4 Sec. 29 T. 31N R. 57E

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 and Wildlife watering facilities (range).

3. Date or approximate date of earliest beneficial use; and how continuous the use has been September 1941 - continuous use.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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 no irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Open watering pit with no mechanical removal of water.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Dug in September 1941

8. The depth of water table 4 foot depth.

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 Dug - open pit 20' x 40' x 5' deep.

10. The estimated amount of groundwater withdrawn each year 1/4 acre foot

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

Original signed by
Signature of Owner J. T. BARNSBY
J. T. Barnsby, Acting Regional Director
Date December 18, 1963

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

Please answer all questions. If not applicable, 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.

3300 8

334740

STATE OF MONTANA } ss.
County of Sheridan

Filed this 30 day of December A.D. 19 53
at 1:10 o'clock P. M.

Vernell Yuhler
County Recorder

Deputy

#308

GV

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

19

File No.

T 31N R57E

County Sheridan

DUPLICATE

STATE OF MONTANA Medicine Lake National Wildlife Refuge
ADMINISTRATOR OF GROUNDWATER CODE Medicine Lake, Sheridan & Roosevelt County, Montana
OFFICE OF STATE ENGINEER (Stock Watering Pond #)

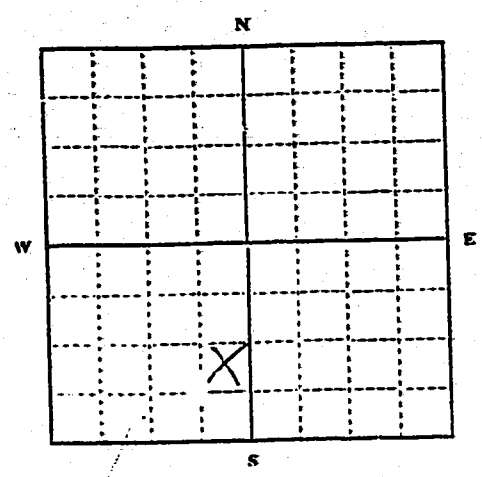
RECEIVED JAN 15 1964 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I The United States of America By J.T. Barnaby, Acting Regional Director Bureau of Sport Fisheries & Wildlife Fish and Wildlife Service Department of the Interior, of P. O. Box 3737 (Address) 1002 N. E. Holladay Street, Portland (Town)
(Name of Appropriator)

County of Multnomah State of Oregon 97208
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 SW 1/4 Sec. 19 T31N R57E

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 and wildlife watering facilities (range).

3. Date or approximate date of earliest beneficial use; and how continuous the use has been September 1941 - Continuous use.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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 no irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Open watering pit with no mechanical removal of water.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Dug in September 1941

8. The depth of water table 4 foot depth

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 Dug - open pit 20' x 40' x 5 feet deep.

10. The estimated amount of groundwater withdrawn each year 1/4 acre foot

11. The log of formations encountered in the drilling of each well if available - Nothing 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

Original signed by
Signature of Owner J. T. BARNABY
J. T. Barnaby, Acting Regional Director
Date December 18, 1963

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

Please answer all questions. If not applicable, 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.

33007

334139 #307

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

Filed this 22 day of
December A. D. 1963
at 11:00 o'clock A M.

County Recorder

Deputy

GV

Approved Stock Form—State [illegible]lishing Co., Helena, Montana—41921

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File No.

T. 31N R. 57E

DUPLICATE

County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Medicine Lake National Wildlife Refuge
Medicine Lake, Sheridan & Roosevelt
County, Montana
(Stock Watering Pond #3)

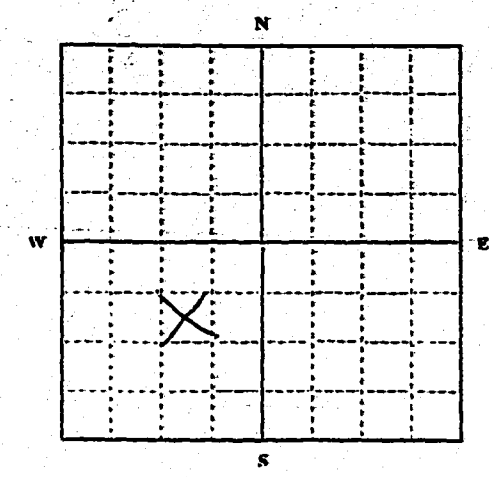
RECEIVED
JAN 15 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

The United States of America
By J. T. Barnaby, Acting Regional Director
Bureau of Sport Fisheries and Wildlife
Fish and Wildlife Service
Department of the Interior, of P. O. Box 3737
(Name of Appropriator) (Address)
1002 N. E. Holladay Street, Portland
(Town)

County of Multnomah State of Oregon 97208
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 SW 1/4 Sec. 19 T31N R. 57E

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 and wildlife watering facilities (range).

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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 No irrigation.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Open watering pit with no mechanical removal of water.

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

8. The depth of water table 4 feet deep.

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 Dug - open pit 20' x 40' x 5 feet deep.

10. The estimated amount of groundwater withdrawn each year 1/4 acre foot

11. The log of formations encountered in the drilling of each well if available. Nothing 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

Original signed by
J. T. Barnaby, Acting Regional Director

Signature of Owner

Date December 18, 1963

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

Please answer all questions If not applicable, 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.

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