GROUNDWATER INDEX

Page ___ of ___

County PRAIRIE Twp. 10N Rge. 51E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
4	FALKENSTERN, ARNOLD H.	GW-4	85345	
8	BUREAU OF LAND MANAGEMENT	GW-4	84292	
11	CREEK, RICHARD	GW-4	83848	
11	CREEK, RICHARD	GW-4	85234	
11	CREEK, RICHARD	WATER WELL LOG	82288	
14	CREEK, RICHARD	GW-4	85333	
19	FLUSS, JAY	GW-2	91370	
20	FLUSS, JAY	GW-2	88370	
20	FLUSS, JAY	GW-2	91369	
21	NORTHERN PACIFIC RAILWAY CO.	GW-3	85292	
26	BRANDENTHALER & LEE	WATER WELL LOG	81925	
31	HOBBS, LOUIS K.	GW-4	85536	
31	NORTHERN PACIFIC RAILWAY CO.	GW-4	85293	
23	LEE, DON	WATERWELL LOG	82546	

GW

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

File No.....

T. 10 N R. 51 E

DUPLICATE

County Prairie

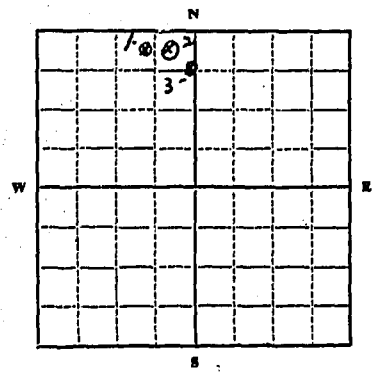
RECEIVED DEC 18 1963 STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Arnold H. Falkenstern, of Terry
(Name of Appropriator) (Address) (Town)
County of Prairie State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N 1/4 Sec. 4 T. 10 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 Stockwater

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Spring No. 1 - 12 gal. per min. Spring No. 2 - 12 gal. per min. Spring No. 3 - 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

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

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

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year Spring No. 1 - 6,307,200 gals. Spring No. 2 - 6,307,200 gals. Spring No. 3 - 5,256,000 gals.

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 Arnold H. Falkenstern

Date Dec. 10, 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.

9850

85345

FILED
at 4:40 o'clock P M.
DEC 16 1963
County Clerk
Deputy
Fee 2.00 Pd

Helena Independent Record

File No.....

DUPLICATE

T. 10 N. R. 51 E.

County Prairie

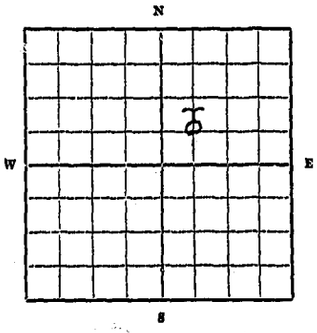
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
FEB 18 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Bureau of Land Management, of Box 960, Miles City
(Name of Appropriator) (Address) (Town)
County of Custer State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW ¼ NE Sec. 8 T 10N R. 51E

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 water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1937 - continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 gals/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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Artesian Well - NE¼NE¼ of Sec. 8

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1937

8. The depth of water table unknown

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
Standard 4" casing - artesian well

10. The estimated amount of groundwater withdrawn each year 1,500,000 gal.

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
BLM file No. M3-R-989 453

District Manager
Arthur A. Zimmerman

Date.....

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

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

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

2670

84292

FILED
at 4:10 o'clock P M.
FEB 15 1963
County Clerk
Fee 2.00 Deputy

GW

Approved Stock Form—State Publishing Co., Helena, Montana—18587

File No.

T. 10N R. 51E

DUPLICATE

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

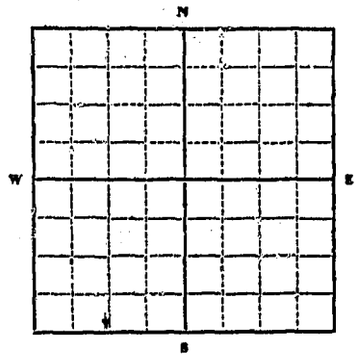
RECEIVED
NOV 21 1962
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Richard Creek, of (Address) Terry (Town)
(Name of Appropriator)

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



SW ¼ SW ¼ Sec. 11 T. 10 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 General ranch use Household and livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 1, 1950 - Continuous

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 Approximately 1 acre of trees and garden SW ¼ SW ¼ Sec. 11 - T. 10 - R. 51 Owner Richard Creek

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump Sec. 11 - 10 - 51

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced drilling April 5, 1949 Completed April 29, 1949

8. The depth of water table 75 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 Drilled 4 inch Casing to depth of 270 feet

10. The estimated amount of groundwater withdrawn each year 200,000 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 Richard Creek

Date November 17, 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.

2546

83848

Water Well Log
Richland Creek
to
The Public

FILED
at 2:30 o'clock P.M.
NOV 20 1962
County Clerk
Fee $2.00 Deputy

GW

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

File No.

T 10N R 51E

County Prairie

DUPLICATE

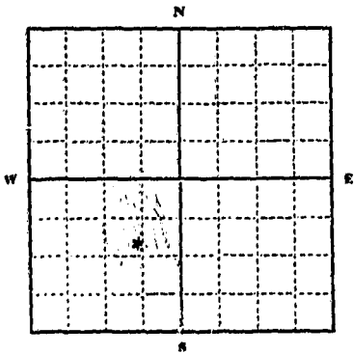
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 18 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Richard S Creek (Name of Appropriator), of (Address) Terry (Town)
County of Prairie State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



¼ Sec. 11 T. 10 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 Livestock water

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 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 20" dug well with perforated tile pipe to steel tank
1 SW¼ Sec 11-10-51

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

8. The depth of water table Spring breaking out to surface. 8 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'X20' dug, depth 8'

10. The estimated amount of groundwater withdrawn each year 1,555,000 gallons

11. The log of formations encountered in the drilling of each well if available Clay and coal veins

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 Richard S. Creek

Date December 12, 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.

9839

85334

FILED
at 12:00 o'clock P.M.
DEC 16 1963
County Clerk
Deputy
Fee $2.00 pd

GW

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

14

File No.

T. 10 R. 51

DUPLICATE

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 18 1963
STATE ENGINEER

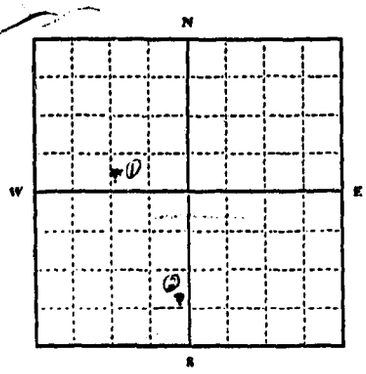
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Richard S. Creek (Name of Appropriator), of (Address) Terry (Town)

County of Prairie State of Montana

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



NW½ Sec. 14 T. 10 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 Livestock water. Springs

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1922 - Continuous use.

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 Not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Collection basin and pipe to tank. ① S½-NE¼-NW¼ : ② SW¼-NW¼-Sec 14 10-51

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater ① 1922 - ② 1936

8. The depth of water table Not applicable - Springs breaking out to 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 ① Collection basin 6' wide x 10' depth. ② Collection tank 20' x 4' x 3'

10. The estimated amount of groundwater withdrawn each year 300,000 gallons

11. The log of formations encountered in the drilling of each well if available Not available

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

Signature of Owner Richard S. Creek

Date December 12, 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.

9838

85333

FILED
at [illegible] o'clock [illegible] M.
DEC 16 1963
[illegible] County Clerk
[illegible] Deputy
Fee [illegible]

11

$2288

T. 10 R. 51

County Prairie

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
AUG 9 1961
STATE ENGINEER

WATER WELL LOG

Owner Mr. Richard Creek Address Terry, Mont.

Driller Henry I. Johnson Address Terry, Mont.

Date Started June 21, 1961 Date Completed June 20, 1961

Location: Sec. 11 T. 10 R. 51 ¼ sec. NE

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

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

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 305 ft. Type Std Size 4"

Casing: 305 ft. to 750 ft. Type Std Size 2"

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 420 660 to ft. 430 680 Ft. 550 715 to ft. 580 735

Type of screen or perforations Holes

Static Water level, for non-flowing well: 40 ft. feet.

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

Pumping water level 60 feet at 8 gal. per min.

How tested: Bailer

Length of test 1 hr.

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	15	Yellow Loam & Shale
15	20	Gravel
20	35	Blue Shale
35	60	Gray Sandrock
60	115	Gray Shale
115	120	Coal
120	305	Shale with intermittent coal seams
305	420	" " " " "
420	430	Blue Sandstone
430	550	Gray Shale with intermittent layers of rock.
550	570	Blue Sandstone (water)
570	640	Gray Shale
640	680	Gray Sandstone (water)
680	735	Intermittent shale & Sandstone
735	750	Blue Shale

/OW 2

Approved Stock Form—State Publishing Co., Helena, Montana—41933

File No. ____ T. ____ R. ____

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
JUL 29 1969

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level ____)

0- 35 Sand & gravel
35-135 Blu & gray gumbo
135-138 Rock
138-160 Gumbo
160-165 Rock
165-220 Gumbo
220-270 Sandstone stringers & gumbo
270-310 Gumbo
310-340 Sandstone
340-350 Rock
350-360 Sandstone
360-365 Gray shale
365-405 Gray shale
405-460 Sandstone & shale
460-465 Rock
465-470 Sandstone & shale

Owner: Jay Pluss Address: Terry

Driller: Joe Johnson Drlg. Address: Terry

Date of Notice of Appropriation of Groundwater ____

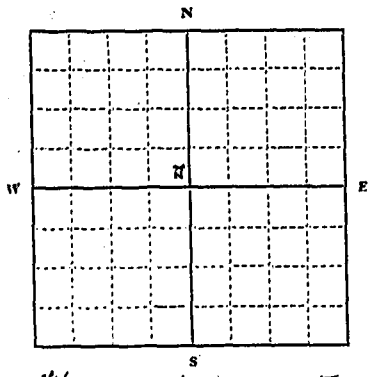
Date well started: 7/6/69 Date Completed: 7/8/69

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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7 7/8"	6" ID 19.18#/ft	0	38	N O	N B	
4 1/2"	3" ID 3.7#/ft	+1	470	Holes 3/8"	310 400	350 470



NW 1/4 Sec. 19 T. 14 R. 57

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 ____ feet.

Shut-in Pressure for Flowing Well ____

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

Discharge in gal. per min. of flowing well 50 gpm

How Tested: Open flow Length of Test: 24 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)

Cemented with 6 sacks of cement.

Well 4 1/2

Driller's License Number 154

Joe Leon Johnson
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.

45487

91370

FILED
at 3:55 o'clock P.M.
JUL 28 1969
John D. Stickel
Clerk
Walter M. Scott
Deputy
Fee 3.00

MONTANA WATER RESOURCES BOARD
Groundwater Division
Mitchell Building
Helena, Montana 59601

MONTANA WATER RESOURCES BOARD
RECEIVED
AUG 4 1969

Recently a copy of a groundwater appropriation form,

__ GW 1, Notice of Appropriation of Groundwater

X GW 2, Notice of Completion of Groundwater Appropriation by means of Well

__ GW 3, Notice of Completion of Groundwater Appropriation without Well

__ GW 4, Declaration of Vested Groundwater Rights (This form is obsolete and was limited by law to use only through 1965)

was forwarded to this office by the County Clerk and Recorder.

This form is identified by

Owner Jay Fluss Address Terry, Montana

Location T. 10N., R. 51E., Sec. 19 Document No.

__ The form is complete as filed. This is to inform you your GW form has been received and no further action is necessary on your part.

__ The form is incomplete. Please complete the enclosed copy by providing information where indicated, or as noted here and return the corrected copy to the Montana Water Resources Board in Helena.

__ Other.

X County recording information is missing. Please forward this information to the Montana Water Resources Board in Helena.

Document Number is needed.

[illegible] use, if possible, each [illegible] square represents 10 acres.

Show exact depth of bottom.

Driller's License Number [illegible]

Driller's Signature

[illegible] to be prepared by [illegible] copies to be filed by the owner with the County Clerk and Recorder [illegible] the well is located.

[illegible] If not applicable, so state, otherwise the form will be returned.

[illegible] County Clerk and Recorder [illegible] duplicate to the State Engineer; Triplicate to the Montana Bureau of [illegible] duplicate for the Applicant.

45457

Approved Stock Form—State Publishing Co., Helena, Montana—1959

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

UPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
JUL 29 1969

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

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

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

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

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

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

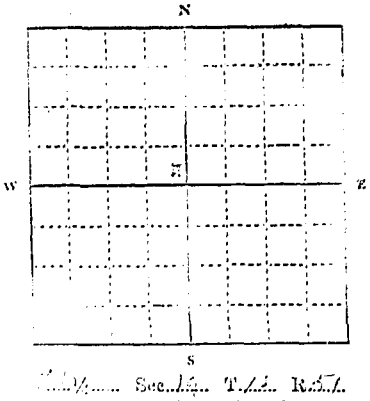
Date well started.....Date Completed.....

Type of well.....(dug, driven, bored or drilled) Equipment Used.....(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)
7 7/8"	6" [illegible] [illegible]/Ft	0	30	N O	N B	
4 1/2"	[illegible] [illegible]/Ft	41	470	Unlec 5/8"	350 [illegible]	350 470



[illegible] Sec. [illegible] T. [illegible] R. [illegible] location of well and [illegible] use, if possible. Each [illegible] square represents 10 acres.

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

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

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

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

How Tested.....Length of Test.....

Remarks: (Gravel packing, cementing, packers, type of [illegible], 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.

Driller's License Number [illegible]

Driller's Signature

This form to be prepared by [illegible] and to be filed by the owner with the County Clerk and Recorder [illegible] in the well is located.

[illegible] If not applicable, so state, otherwise the form will be returned.

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

45487

Approved Stock Form—State Publishing Co., Helena, Montana—1959

UPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
JUL 29 1959

T.____ R.____

County [illegible]

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

0- 35 Sand & gravel
35-135 Blue gray gumbo
135-138 Rock
138-160 Gumbo
160-165 Rock
165-220 Gumbo
220-270 Sandstone stringers & gumbo
270-310 Gumbo
310-340 Sandstone
340-350 Rock
350-360 Sandstone
360-365 Gray shale
365-405 Gray shale
405-460 Sandstone & shale
460-465 Rock
465-470 Sandstone & shale

Owner Joy Flury Address [illegible]

Driller Joe Johnson Drlg. Address [illegible]

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

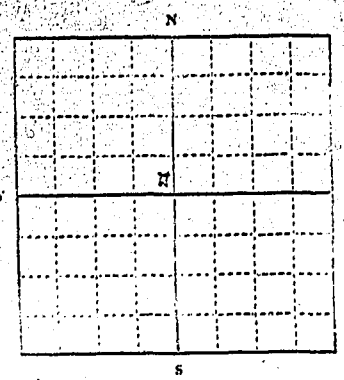
Date well started 7/6/59 Date Completed 7/9/59

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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7 7/8"	6" ID 19.18#/ft	0	38	N C	N B	
4 1/2"	3" ID 3.7#/ft	+1	470	Holes 3/8"	310 460	350 470



NW¼ Sec. 14 T. 14 R. 57 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.....feet.

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

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

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

How Tested Open flow Length of Test.....

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

Driller's License Number 154

Joe Leon Johnson
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.

45487

91370

FILED
at 3:55 o'clock P.M.
JUL 28 1969
Clerk
Deputy

91370

FILED
at 3:55 o'clock P.M.
JUL 28 1969
John L. Hertel
Helen M. Schiller
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4047

File No. ..... STATE WATER CONSERVATION BOARD

T. 10 R. 51 E

DUPLICATE

OCT 10 1966

County Prairie

Bille ..... McDermott .....
Butcher ..... McNally .....
Coyle ..... Morton .....
Darlington ..... Sullivan .....
Dickert .....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

0-40 Brn. Sand & Gravel
40-105 Shale
105-120 First Flow
120-145 Blue Shale
145-149 Rock
149-190 Blue Shale
190-194 Rock
194-220 Blue Shale
220-222 Coal
222-270 Blk. Shale
270-273 Rock
273-335 Shale
335-340 2nd Flow
340-344 Rock
344-440 Shale
440-477 3rd Flow Sand
477-492 Shale

Owner Jay Fluss Address Terry, Mont.

Driller Joe Johnson Address Terry, Mont.

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

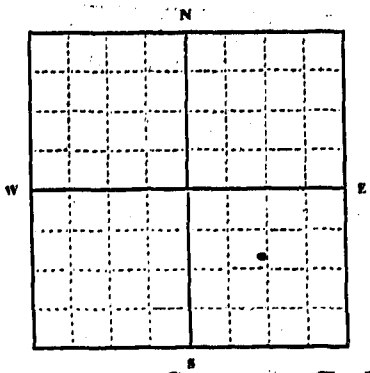
Date well started 9/14/66 Date Completed 9/17/66

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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7 7/8"	6" I.D. 18.18 #/ft.	0'	43 1/2'	None	None	
4 3/4"	2" I.D. 3.6 #/ft	0'	492'	Holes 3/8"	420'	483'



.....¼..... Sec. 20 T. 10 R. 51 E

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

492 T.D.

Show exact depth of bottom.

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

Shut-in Pressure for Flowing Well 12 #

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

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

How Tested Flow Length of Test 48 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) Drilled two feet from old well. Packers and cement at 160'. Flow coming up old hole to 1st Sand and flowing up outside of 2" casing.

154
Driller's License Number

Joe Johnson
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.

41,492

88370

FILED
at [illegible] o'clock A.M.
OCT 7 - 1966
County Clerk
Deputy
Fee [illegible]

JW 3

Approved Stock Form—State Publishing Co., Helena, Montana—39311

21.

File No.....

T. 10N R. 51E

DUPLICATE

County Prairie

RECEIVED DEC 16 1969 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 1908.

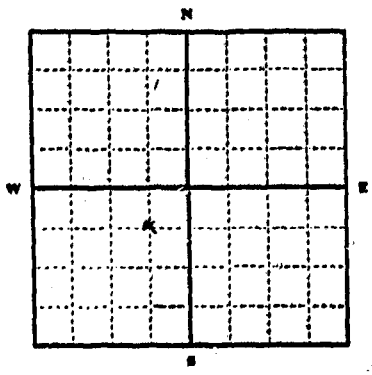
Owner Nor.Pac.Ry. Co. Address St. Paul, Minn.

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, used since 1908.



NE¼SW¼ Sec. 22 T10N R51E

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use. Spring flows 5 gallons per minute, measured over a period of time. Piped into steel tank.

Signature of Owner Northern Pacific Railway Company
By [signature]
Dist. Supvr. Gras. & Cult.

Date.....

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.

9380

85292

RECORDED

FILED

9:00 o'clock A M

DEC 12 1963

County Clerk

Fee $2.00

County

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—41935

20

File No.....

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

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
JUL 29 1969

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

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

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

0- 55 Sand & gravel
55-155 Dk. gray gumbo
155-158 Rock
158-170 Gumbo
170-172 Rock
172-230 Blu gumbo
230-235 Rock
235-245 Gray gumbo
245-260 Blk. gumbo & coal
260-272 Brn. & blu gumbo
272-304 Blu sandstone/ stringers of gumbo

Owner Jay Pluns Address Terry

Driller Joe Johnson Drlg. Address Terry

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

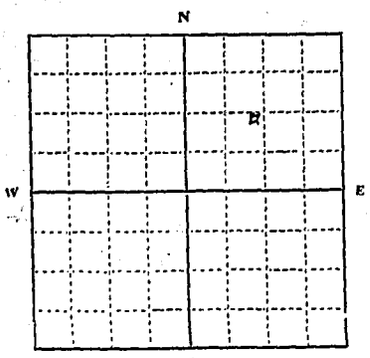
Date well started 7/3/69 Date Completed 7/5/69

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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7 7/8"	4" ID 19.18#/ft.	0	60	N O N E		
4 1/2"	2" ID 3.7#/ft.	+1	304	Holes 3/8"	265	304



NE¼ Sec. 22 T. 1c 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.....feet.

Shut-in Pressure for Flowing Well 6#

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

Discharge in gal. per min. of flowing well 30 gpm

How Tested Open flow Length of Test 24 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) Well cemented with 6 sacks of cement.

Well #1

154
Driller's License Number

Joe Leon Johnson
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.

45484

91369

FILED
at 3:55 o'clock P. M.
JUL 28 1969
John D. Lindl
County Clerk
Dorlie M. Gaber
Deputy
Fee 2.00 gd

MONTANA WATER RESOURCES BOARD
RECEIVED
AUG 4 1969

MONTANA WATER RESOURCES BOARD
Groundwater Division
Mitchell Building
Helena, Montana 59601

Recently a copy of a groundwater appropriation form,

__ GW 1, Notice of Appropriation of Groundwater

X GW 2, Notice of Completion of Groundwater Appropriation by means of Well

__ GW 3, Notice of Completion of Groundwater Appropriation without Well

__ GW 4, Declaration of Vested Groundwater Rights (This form is obsolete and was limited by law to use only through 1965)

was forwarded to this office by the County Clerk and Recorder.

This form is identified by

Owner Jay Fluss Address Terry, Montana

Location T. 10N., R. 51 E., Sec. 20 Document No.-

__ The form is complete as filed. This is to inform you your GW form has been received and no further action is necessary on your part.

__ The form is incomplete. Please complete the enclosed copy by providing information where indicated, or as noted here and return the corrected copy to the Montana Water Resources Board in Helena.

__ Other.

X County recording information is missing. Please forward this information to the Montana Water Resources Board in Helena.

Document number is needed.

[illegible] small square represents 10 acres.

Show exact depth of bottom.

Driller's License Number

Driller's Signature

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

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

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

215456

Approved Stock Form—State Publishing Co., Helena, Montana—1953

File No.....

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
JUL 29 1989

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

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

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

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

[illegible] Sand & gravel
[illegible] Gray gumbo
[illegible] Rock
[illegible] Red gumbo
[illegible] Rock
[illegible] Gray gumbo
[illegible] Blk. gumbo & coal
[illegible] Gray & blu gumbo
[illegible] Blu sandstone/ [illegible] of gumbo

Owner.....Jay Minor.....Address.....[illegible]

Driller.....Jay Johnson Drlg.....Address.....[illegible]

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

Date well started.....7/2/89.....Date Completed.....7/[illegible]

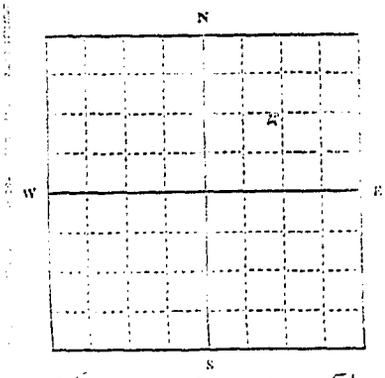
Type of well.....Drilled..... (dug, driven, bored or drilled)

Equipment Used.....[illegible]..... (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)
7 7/8"	[illegible] 20 [illegible]/ft	0	60	N O N E		
4 1/2"	[illegible] 3.7#/ft.	41	304	Holes 2/0"	255	304



[illegible]¼..... Sec. [illegible]..... T. [illegible]..... R. [illegible]
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.....feet.

Shut-in Pressure for Flowing Well.....[illegible]

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

Discharge in gal. per min. of flowing well.....[illegible]

How Tested.....[illegible].....Length of Test.....[illegible]

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).....[illegible]

.....[illegible]

.....[illegible]

.....[illegible]

.....[illegible]
Driller's License Number

Jay Lee Johnson
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.

Distribution: County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.

15456

Approved Stock Form—State Publishing Co., Helena, Montana—1953

File No..... T..... R.....

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
JUL 29 1969

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

0- 55 Sand & gravel
55-155 Dk. gray gumbo
155-158 Rock
158-170 Gumbo
170-172 Rock
172-230 Blu gumbo
230-235 Rock
235-245 Gray gumbo
245-260 Blk. gumbo & coal
260-272 Grn. & blu gumbo
272-304 Blu sandstone/ stringers of gumbo

Owner.....Jay Elms.....Address.....Terry

Driller.....Joe Johnson Drlg.....Address.....Terry

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

Date well started.....7/2/69.....Date Completed.....7/[illegible]

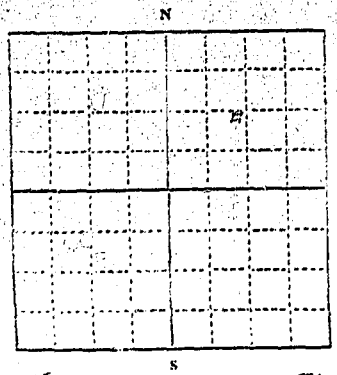
Type of well.....Drilled..... (dug, driven, bored or drilled)

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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7 7/8"	6" ID 30.12#/ft.	0	60	NONE		
4 1/2"	2" ID 3.7#/ft.	+1	304	Holes 3/8"	265	304



NW¼..... Sec. 29 T. 15 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.....feet.

Shut-in Pressure for Flowing Well.....6#

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

Discharge in gal. per min. of flowing well.....[illegible]

How Tested.....Open flow.....Length of Test.....[illegible] 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).....Well encountered water 4 cents of gumbo.....[illegible]

154
Driller's License Number

Joe Leon Johnson
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.

45434

91369

FILED
at 3:55 o'clock P.M.
JUL 28 1969
Clerk of Superior Court
By [illegible] Deputy

91369

FILED
at 3:55 o'clock P.M.
JUL 28 1969
John L. Schell
County Clerk
By [illegible]
Deputy

26

81925

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

County Prairie

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
MAR 20 1961
STATE ENGINEER

WATER WELL LOG

Owner Brandenthaler and Lee Address Terry Mont.

Driller Johnson Water Weal Service Address Terry, Mont.

Date Started Nov. 18, 1960 Date Completed Dec. 1, 1960

Location: Sec. 26 T. 10 R. 54 ¼ sec. ~~[illegible]~~ NE

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 405 ft. Type Std. Pipe Size 4"

Casing: 375 ft. to 880 ft. Type Std. Pipe Size 2"

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 640 to ft. 670 Ft. 705 to ft. 735
840 865

Type of screen or perforations Holes

Static Water level, for non-flowing well: 260 feet.

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

Pumping water level 280 feet at 5 gal. per min.

How tested: Bailer

Length of test 1½ Hr.

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	8	Sandy Top Soil
8	19	Sand And Gravel
19	70	Blue Shale
70	71	Rock
71	125	Blue Shale
125	128	Coal
128	130	White Shale
130	140	Gray Shale
140	141	Rock
141	150	Gray Shale
150	160	White Shale
160	170	Gray Shale
170	175	Black Coal
175	178	Gray Shale
178	179	Rock
179	230	White Shale
230	245	Coal
245	265	White Shale
265	268	Coal
268	275	White Shale
275	520	Gray Shale w/ Intermantent Coal and Rock Seams
520	640	Dark Blue Shale
640	670	Sandstone
670	705	White Shale
705	825	Sandstone Gray Shale
825	840	Brownish Red Shale
840	865	Sandstone Gray
865	880	Shale Blue

Approved Stock Form—State Publishing Co., Helena, Montana—4192

File No. .....

T. 10N R. 51

DUPLICATE

County PRAIRIE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

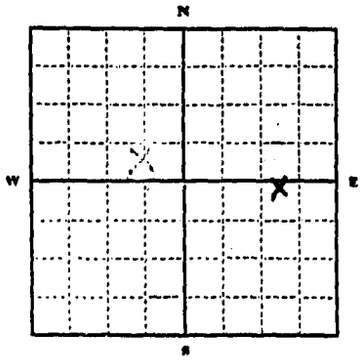
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. LOUIS K. HOBBS (Name of Appropriator), of LOCATE (Address) MONTANA (Town)

County of CUSTER State of MONTANA

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



S ¼ Sec. 31 T. 10 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 LIVESTOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been This is an old artesian well drilled about 1920

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 - Gallon 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 This artesian is just used for livestock water.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal This is a flowing artesian well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater I think this well was drilled about 1920.

8. The depth of water table From 200 to 400 ft. 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 This is a old flowing artesian well, with a six inch well casing.

10. The estimated amount of groundwater withdrawn each year It flows the yr. around.

11. The log of formations encountered in the drilling of each well if available no formations are 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 on record that I know about.

Signature of Owner Louis K. Hobbs

Date Dec. 23, 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.

24879

85536

FILED
at 4:45 o'clock P. M.
DEC 30 1963
County Clerk
Deputy
Fee 2.00

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

3.31

File No.....

T 10N R 51E

DUPLICATE

County Prairie

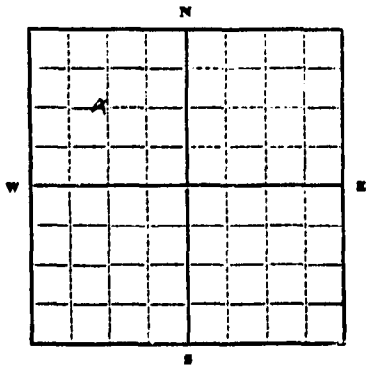
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 16 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Northern Pacific Railway Company, of N.P.Bldg, St. Paul, Minn.
(Name of Appropriator) (Address) (Town)
County of Ramsey State of Minnesota
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW ¼ Sec. 31 T 10N R 51E

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 Furnishing water for livestock.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous since 1960.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 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 Artesian well.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1960.

8. The depth of water table Unknown.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 646 feet deep. 526 feet 2-inch casing, 120 feet 4-inch casing.

10. The estimated amount of groundwater withdrawn each year 1,056,800 gallons.

11. The log of formations encountered in the drilling of each well if available 0-14' sand and gravel 14-230' dark blue shale with intermittent coal seams; 231-315' fine blue sand and water; 315-498' grey shale; 498-499' rock; 499-520' blue sandstone (fine); 520-600' light grey shale; 600-610' reddish brown shale; 610-635' sandy white shale; 635-650' salt & pepper sandstone with water; 650-790' blue shale(hard).

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. No other information available.

Northern Pacific Railway Company
Signature of Owner By [signature]
Dist. Supvr, Grds. & Pult.

Date.....

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

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

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

(9381

85293

RECORDED

FILED

at 9:00 o'clock A M.

DEC 12 1963

County Clerk

Fee $2.00 Pd.

Deputy

82546

23

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

County....Prairie

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
NOV 14 1961
STATE ENGINEER

WATER WELL LOG

		X	

Owner....Don Lee.... Address....Terry, Mont.

Driller....Johnson Water Well Service.... Address....Terry, Mont.

Date Started....Nov. 9, 1961.... Date Completed....Nov. 12, 1961

Location: Sec. 23 T. 10 R. 51 ¼ sec. NW

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

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

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

Casing: 0 ft. to 22 ft. Type Std. Size 6"

Casing: 22 ft. to 132 ft. Type Std. Size 4"

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 40 to ft. 57 Ft. 120 to ft. 132

Type of screen or perforations....Holes

Static Water level, for non-flowing well: 35' feet.

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

Pumping water level 110 feet at 2 gal. per min.

How tested: Bailer

Length of test 1 hr.

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	12	Brown Sandy Loam
12	19	Sand and Gravel and Rock
19	30	Blue Shale
30	38	Black Shale
38	41	Coal Seam w/Water
41	68	Blue Shale
68	70	Coal
70	120	Dark Blue Shale
120	132	Coal w/Water

GROUNDWATER INDEX

Page ____ of ____

County PRAIRIE Twp. 10N Rge. 52E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
5	Evertz, Paul	GW-2	88372	
10	BUREAU OF LAND MANAGEMENT	GW-2	89509	
11	MARTINSON, RUSSELL J.	GW-4	85578	
12	GACKLE, ALVIN W.	GW-4	85574	
14	GACKLE, A.W.	WATER WELL LOG	82003	
19	LEE, DONALD B.	GW-2	87383	
22	OLSON, ORLANDO	GW-4	84465	
36	BROWN, A.L.	WATER WELL LOG	81947	
36	BROWN, A.L.	WATER WELL LOG		SEEMS TO BE DUPLICATE OF ABOVE #36
~~5~~	~~EVERTZ, PAUL~~	~~GW-2~~	~~88372~~	ADDED FROM N.D.'S

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4047

File No. .....

STATE WATER CONSERVATION BOARD

T. ..... R. 5

DUPLICATE

OCT 11 1966

County Prairie

Bills ..... McDermott .....
Butte ..... McNally .....
Coyle ..... Morton .....
Darlington ..... Sullivan .....
Dickert .....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

0'-15'- Sandy topsoil & Shale
15'-20'- Rock
20'-25'- Coal
25'-30'- Shale
30'-32'- Rock
32'-85'- Shale
85'-90'- Coal
90'-115'- Shale
115'-135'- Coal
135'-165'- Shale & Rock
165'-180' water Sand & Shale

180'

Owner Paul Kuertz Address Mildred, Mont.

Driller Joe Johnson Address Terry, Mont.

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

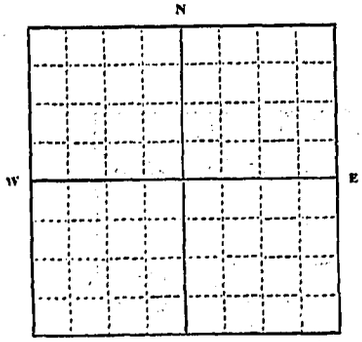
Date well started 9/21/66 Date Completed 9/22/66

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8"	4" I.D. 9½# P/F	Top	182'	Holes & Slots	152'	182'



.....¼..... Sec. 5 T 10N R 52E

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 26 feet.

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

Pumping Water Level 165 feet at 15 gal. per minute.

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

How Tested Bailer Length of Test 2 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) Gravel Packed bottom 100'. Seepage at 26'

154
Driller's License Number

Joe Jon Johnson
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.

41,504

88372

FILED
at 11:05 o'clock A.M.
OCT 10 1966
County Clerk
Deputy
Fee $2.00 pd.

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—46805

MONTANA WATER RESOURCES BOARD
RECEIVED
DEC 15 1967

File No.....

T. 10 N R. 52 E

DUPLICATE

County Prairie

8888

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Top of Ground

(Elev. above sea level 2780)

0-30 Sand, Yellow
30-80 Sandy shale, Gray
80-90 Sand & Little Shale, Gray
90-120 Sand, Gray
120-190 Shale, Gray
190-200 Sandstone, Gray
200-240 Clay, Gray

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

Owner Bureau of Land Management Address Miles City, Montana

Driller Joe Johnson Address Terry, Montana

Date of Notice of appropriation of groundwater N.A.

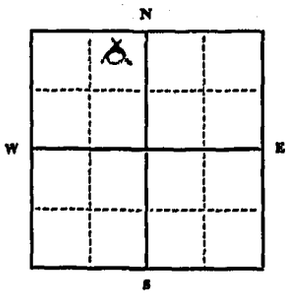
Date well started 10/19/67 Date completed 10/23/67

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8"	6" I.D. 19.18#/ft.	+1	239	Slots ¼"x6"	80	100
					190	210
					220	240



NE ¼ NE Sec. 10 T. 10N R. 52E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 74 feet.

Shut-in Pressure for Flowing Well N.A.

Pumping Water Level 220 feet at 3.7 gal. per minute.

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

How Tested Bailing

Length of Test 1½ hr.

Remarks: (Gravel packing, cementing, packers, type of shutoff) Gravel packed from bottom of well to within 20 ft. of surface.

(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).

N.A.

Show exact depth of bottom.

(Barrial Well M3-R-2289)

154
Driller's License Number

Joe Jen Johnson
Driller's Signature.

42,656

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.

FILED
at 2:10 o'clock P.M.
DEC 1 1967
County Clerk
Deputy
Fee 2.00

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

File No.

T. 10N R. 52E

DUPLICATE

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

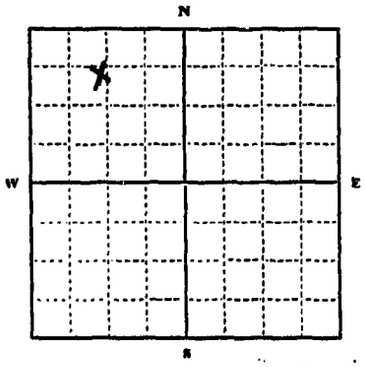
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Russell J. Martinson (Name of Appropriator), of (Address) Terry (Town)

County of Prairie State of Montana

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



NW¼ Sec. 11 T. 10 R. 52

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
Stockwater

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

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

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
Commenced & completed about 1920.

8. The depth of water table 20 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 - 48 inch - 25 feet.

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

Date Dec. 31-1963

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

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

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

24919

85578

FILED

at 4:00 o'clock P M.

DEC 8 1963

County Clerk

Deputy

Fee 2.00

File No.....

DUPLICATE

T. 10 N R. 52 E

County Prairie

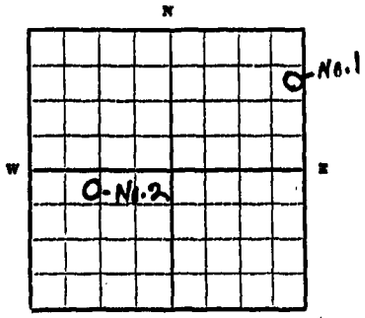
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Alvin W. Gruble (Name of Appropriator), of (Address) Terry (Town)
County of Prairie State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 - Sec. 12-10-52 - No. 1
SW 1/4 Sec. 12 T. 10 R. 52 - No. 2

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 - Stock water
No. 2 - " "

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1945 - No. 2 - Continuous
No. 1 - 1957 - Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 Gallons - No. 2.
10 - " - No. 1

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Pump - No. 1
" - No. 2

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater No. 2 - 1945 - Commenced & Completed
No. 1 - 1957 - " - "

8. The depth of water table No. 2 - 8 feet
No. 1 - 8 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
No. 2 - Hand dug. 5 diam. 12 deep
No. 1 - Drilled - 26 in casing - 20 feet deep.

10. The estimated amount of groundwater withdrawn each year 100,000 gallons - No. 2.
100,000 " - No. 1

11. The log of formations encountered in the drilling of each well if available
No. 1 - Not available
No. 2 - " "

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 Alvin W. Gruble

Date Dec 31-1963

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

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

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

24915

85574

FILED

at 2:30 o'clock P. M.

DEC 31 1963

County Clerk

Deputy

Fee 2.00

82003

14

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

County Prairie

RECEIVED APR 9 1981 STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner C W Stickle Address Mildred Mont

Driller Johnson Water Well Drilling Address Terry Mont.

Date Started Jan 22 Date Completed Feb 15 60

Location: Sec. 14 T. 10 R. 52 ¼ sec. NE¼ NW¼

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 570 ft. Type Old Pipe Size 14"

Casing: 450 ft. to 1050 ft. Type Old Pipe Size 8"

Casing: ~~[illegible]~~ ft. to ~~[illegible]~~ ft. Type Size

Perforated or Screened: Ft. 635 810 to ft. 645 840 Ft. 684 999 to ft. 710 1030

Type of screen or perforations Holes

Static Water level, for non-flowing well: 280 feet.

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

Pumping water level 320 feet at 3 gal. per min.

How tested: Bailing & Pumping

Length of test 7 hr. 24 hrs

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	240	Dark Shale w/ intermittent Coal Seams
240	246	Coal
246	425	Dark Shale w/ intermittent Coal Seams
425		4" Rock
425	530	Dark Blue Shale w/ intermittent Coal Seams
530	531	1.2" Rock
531	684	Blue Shale
684	710	Blue Sandstone
710	716	Coal
716	735	Brown Shale
735	810	Shale
810	840	Sandstone (Gray)
840	861	Shale
861	861½	18" Rock
861½	922	Shale
922		1" Rock
922	999	Shale
999		3" Rock
999	1030	Light Gray Sandstone
1030	1050	intermittent Sandstone and Shifts of Rock

GW 2

STATE WATER CONSERVATION BOARD

OCT 29 1965

Approved Stock Form—State Publishing Co., Helena, Montana—41935

19

File No.....

DUPLICATE

Bills..... McDermott.....
Butzerin..... McNulty.....
Coyle..... Morton.....
Darlinton..... Sullivan.....
Dickert.....

T. 10 N R. 52

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level 2760 Approx.

0'- 120' yellow clay
120'- 124' sand Rock
124'- 200' Blue-Gray Shale
200'- 205' Hard Rock
205'- 225' Blue Shale
225'- 230' Coal
230'- 240' Gray Shale
240'- 290' white Shale
290'- 340' Gray Shale
340'- 341' Rock
341'- 390' white Shale
390 - 530' Gray Shale
530'- 630' Blue Shale & Sand
630'- 760' Dark Blue Shale
760'- 790' Sandstone
790'- 815' white Shale
815'- 850' Sandstone
850'- 940' Gray & Brn. Shale
940'- 1000' Sandstone
1000'- 1020' Blu shale

Owner DONALD BLEE Don Lee Address Terry, Mont.

Driller Joe Johnson Address Terry, Mont.

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

Date well started Oct. 6, '65 Date Completed Oct 19, '65

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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5 5/8"	4" ID 9½ lb per ft.	0'	635'	—	—	—
3 7/8"	2" ID 3¼ lb per ft	625'	1020'	Holes 3/8"	940'	1000'

N
W E

¼ Sec. 19 T. 10 R. 52

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

Static Water Level for non-flowing Well 380 feet.

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

Pumping Water Level 420 feet at 54 gal. per minute.

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

How Tested Pumped Length of Test 6 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).....

Show exact depth of bottom.

154
Driller's License Number

Joe T. Johnson
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.

39734

87383

FILED

at 8:30 o'clock A M.

OCT 27 1965

County Clerk

Deputy

Fee 2.00

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

File No.....

T. 16 N R. 52 E

DUPLICATE

County Prairie

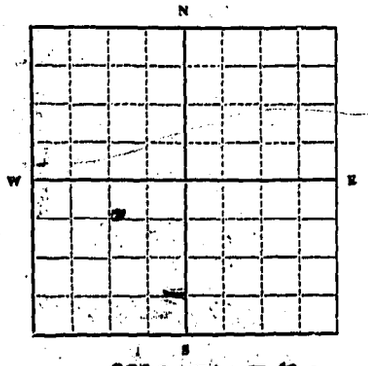
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 19 1963
~~ASSISTANT~~
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. OLANDO OLSON, of TERRY
(Name of Appropriator) (Address) (Town)
County of PRAIRIE State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S.W.¼ ~~22~~ Sec. ~~T. R.~~ SEC 22 T16 R52

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 APRIL 1 1948

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal SPRING CURBED WITH BOX WITH LEAD OF PIPE TO TANK

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1948

8. The depth of water table

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

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

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

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

Signature of Owner Olando Olson

Date March 2 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.

4229

84465

FILED
at 3 o'clock P M.
APR 18 1953
County Clerk
Fee
Deputy

36

81947

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

County Prairie

RECEIVED

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Mr A.L. Brown Address Terry, Mont.

Driller Henry I. Johnson Address Terry, Mont

Date Started Dec. 2 1960 Date Completed Dec. 15, 1960

Location: Sec. 36 T. 10 R. 52 ¼ sec. NW ¼ NE ¼

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 520 ft. Type Std. Size 4"

Casing: 495 ft. to 930 ft. Type Std Size 2"

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 850 to ft. 930 Ft. to ft.

Type of screen or perforations Holes

Static Water level, for non-flowing well: 395 feet.

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

Pumping water level 395 feet at 3 gal. per min 2½

How tested: Bailer

Length of test 4 Hours

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	20	Top Soil and Yellow Loam
20	26	Blue Shale
26	28	Coal
28	70	Gray Shale
70	78	Coal and Black Shale
78	135	Blue Shale
135	145	White Shale
145	202	Gray Shale
202	205	Coal
205	220	Gray Shale
220	265	Coal and Shale
265	373	Gray Shale with Coal Seams
373	390	White Shale
390	860	Gray Shale with Coal Seams
860	887	Gray Sandy Shale
887		Rock 4"
887	930	Blue Sandstone

36

T. 10 R. 52

County Prairie

RECEIVED
MAR 2 7 1961
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Mrs. A. L. Brown Address Terry, Mont.

Driller Henry I. Johnson Address Terry, Mont.

Date Started Dec. 2, 1960 Date Completed Dec. 15, 1960

Location: Sec. 36 T. 10 R. 52 ¼ sec.

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 520 ft. Type Std Size 4"

Casing: 495 ft. to 930 ft. Type Std Size 2"

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 850 to ft. 930 Ft. to ft.

Type of screen or perforations Holes

Static Water level, for non-flowing well: 395 feet.

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

Pumping water level 395 feet at 3 gal. per min.

How tested: Bailer

Length of test 2 hrs.

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	20	Top Soil & yellow loam
20	26	Blue Shale
26	28	Coal
28	70	Gray shale
70	78	Coal & Black shale
78	135	Blue shale
135	145	white shale
145	202	Gray shale
202	205	Coal
207	220	Gray shale
220	265	Coal & shale
265	373	Gray shale w/coal seams
373	390	White shale
390	860	Gray shale w/coal seams
860	887	Gray Sand shale
887		Rock 4"
887	930	Blue Sandstone