82001

30

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

County.....Prairie.....

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
APR 5 1961
STATE ENGINEER

WATER WELL LOG

Owner.....Olanda Olsen..... Address.....Terry, Mont.....

Driller.....Henry I Johnson..... Address.....Terry, Mont.....

Date Started.....Feb. 20, ~~1960~~ 1961..... Date Completed.....Feb. 28, ~~1960~~ 1961.....

Location: Sec.....30..... T.....13..... R.....53¼ sec.....NE ½ NE ½.....

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.....780..... ft. Type.....Std..... Size.....2"

Casing:..... ft. to..... ft. Type..... Size.....

Casing:..... ft. to..... ft. Type..... Size.....

Perforated or Screened: Ft.....610..... to ft.....650..... Ft.....640..... to ft.....780.....

Type of screen or perforations.....Holes.....

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

Shut-in pressure, for flowing well:.....64..... lb./sq. in. on:.....3/20/61..... (date)

Pumping water level.....0..... feet at .....58..... gal. per min.....

How tested:.....Flow.....

Length of test.....

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

Packer at at 210' 4 sks cment packed

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	65	Yellow loam , yellow shale rock and gravel mixed
65	295	shale
295	300	sandstone
300	330	shale
330	335	sandstone
335	530	shale with intermentent coal seams
530	531	Rock
531	535	sandstone
535	610	shale
610	650	sandstone
650	730	Gray shale (soft)
730	740	Redish brown shale
740	740½	rock
740½	780	sandstone

G\

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

File No.....

T. 13 N R. 53 E

County Prairie

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 18 1963
STATE ENGINEER

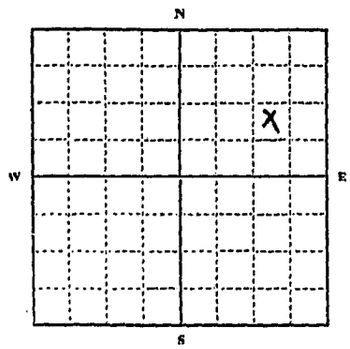
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Bill Hindle, of Fallon
(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.E. ¼ Sec. 33 T. 13 R. 53

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 watering

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1914 Continuous use since that date

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Self flowing Spring

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: Self flowing Spring

10. The estimated amount of groundwater withdrawn each year: 5,256,000 Gallons

11. The log of formations encountered in the drilling of each well if available: Free flowing Spring

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: Bill Hindle

Date: Dec. 16-1963

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

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

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

9847

~~85343~~

85342

FILED
at 4:30 o'clock P.M.
DEC 16 1963
Ethel Johnston
County Clerk
Deputy
Fee 2.00

GW 2

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

MONTANA WATER RESOURCES BOARD
RECEIVED
OCT 10 1967

File No.....

DUPLICATE

T. 13 R. 53 34

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'-6' topsoil & yellow gumbo
6'-114' gravel sand
114'-150' gumbo
150'-180' Reddish Sandy Gumbo
180'-211' Gray Sandstone
211'-216' Gumbo

Owner Bill Haidle Address Fallon, Mont

Driller Joe Johnson Drlg. Address Terry, Mont.

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

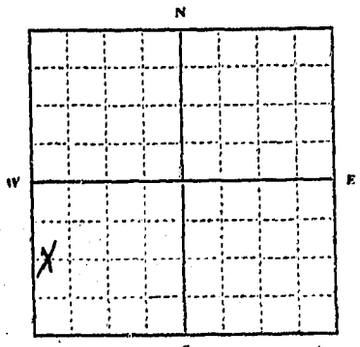
Date well started 9/23/67 Date Completed 9/26/67

Type of well Drilled (dug, driven, bored or drilled) Equipment Used Cable Tool (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"	6" I.D 19.18 #/ft	0'	129'	Slots 1/4x6"	115	129
5 5/8"	4" I.D. 11 #/ft.	115'	216'	Holes 3/8"	179	216



W½SW¼ Sec. 34 T. 13 R. 53

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

Static Water Level for non-flowing Well 113 feet.

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

Pumping Water Level 195 feet at 15 gal. per minute.

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

How Tested Bailer Length of Test 1 hr.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) 4" casing is lapped in 6" 4" coupling up.

Show exact depth of bottom.

216'

154
Driller's License Number

Joe Jean 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.

42,382

89216

FILED
at 11:55 o'clock A.M.
OCT - 9 1967
E. Glen Johnston
County Clerk
L. Falkenstein
Deputy
Fee $2.00 pd.

G

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

File No.....

T. 13 N R. 53 E

County Prairie

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 18 1963
STATE ENGINEER

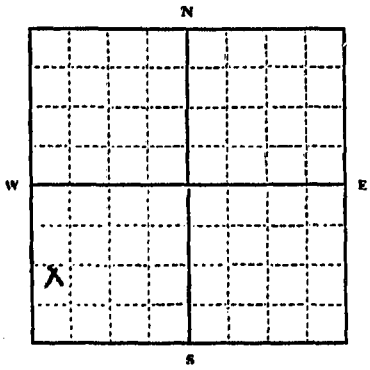
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Bill Haidle, of Fallon
(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:



SW ¼ Sec. 34 T. 13 R. 53

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 watering & Household.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1914 - Continuous since that date

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: Garden & Lawn.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Commenced 1914 - Completed 1914

8. The depth of water table: 247 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 - 6 in. Casing - 262 ft. depth

10. The estimated amount of groundwater withdrawn each year: 350,000 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: Bill Haidle

Date: Dec. 16-1963

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

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

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

9848

85343

FILED
at 4:30 o'clock P. M.
DEC 16 1963
County Clerk
Deputy
Fee 2.00 Pd.

T..... R. 35

County Prairie

82011

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
APR 13 1961
STATE ENGINEER

WATER WELL LOG

Owner Charles J. Breen Address Mildred

Driller Jack E. Thiem Address Glendive, Montana

Date Started Nov. 10 - 1960 Date Completed Nov 10 - 1960

Location: Sec. 35 T. 13 R. 53 ¼ sec. SE

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: / ft. to 39 ft. Type Culvert Size 15"

Casing: 39 ft. to 59 ft. Type " Size 18"

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 29 to ft. 59 Ft. to ft.

Type of screen or perforations Slots

Static Water level, for non-flowing well: 43 feet.

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

Pumping water level 4 feet at 3½ gal. per min.

How tested: Pump

Length of test 48 hrs.

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	
1	14	Gumbo
14	18	Blue Sand
18	59	Varied gumbo, Coal, Sand

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

File No. .....

T. 13N, R. 53E

County Prairie

DUPLICATE

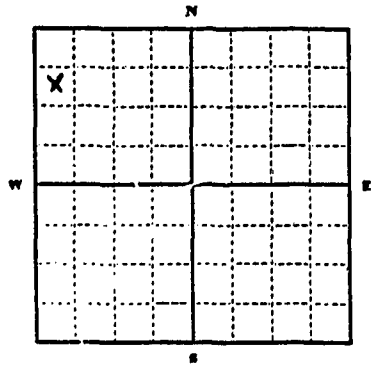
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 18 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Bill Haidle (Name of Appropriator), of Fallon (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:



NW 1/4 Sec. 35 T. 13 R. 53

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 watering

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1915 - Continuous use since that date

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 70 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: Irrigate garden + lawn.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Commenced 1914 - completed 1914

8. The depth of water table: 103 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, 6 inch casing - ~~[illegible]~~ 113 ft deep.

10. The estimated amount of groundwater withdrawn each year: 547,500 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: Bill Haidle

Date: Dec 16, 1963

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

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

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

9849

85344

FILED
at 4:20 o'clock P M.
DEC 16 1963
County Clerk
Deputy
Fee 2.00

Approved Stock Form—State Publishing Co., Helena, Montana—38682

File No. 1

DUPLICATE

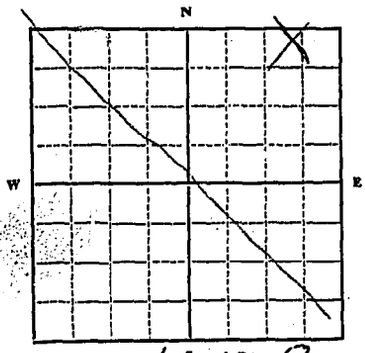
County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Dennis Hjeath, of Box 124 Fallon
(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:



NE ¼ Sec. 35 T. 13 R. 53

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 & home

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: Oct 1955 continuous since above date

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

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: Oct 1955 Appr.

8. The depth of water table: 781 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: Artesian 781 feet deep.

10. The estimated amount of groundwater withdrawn each year:

11. The log of formations encountered in the drilling of each well if available:
Not available Driller - Bandi Brothers, Miami

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

Signature of Owner Dennis Hjeath

Date Dec 6, 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.

8416

85267

FILED
at 1:35 o'clock P. M.
on DEC 9 - 1963
County Clerk
Fee $2.00 Pd. Deputy

GROUNDWATER INDEX

Page ___ of ___

County PRAIRIE Twp. 13N Rge. 54E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
25	GAUB, HENRY	WATERWELL LOG	81935	
30	SCHMIDT, G.R.	GW-2	87109	
31	HAIDLE, GOTTLIEB	WATER WELL LOG	8224	
34	ULRICH, GOTTLIEB	GW-2	91655	
35	GAUB, HENRY	GW-2	87642	

13-54 Sec 25
13

81935

T. 54 R. 25

County: Prairie

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 20 1961
STATE ENGINEER

WATER WELL LOG

Owner: Henry Saub Address: Fallon, Mont

Driller: Henry I ~~[illegible]~~ Johnson Address: Terry, Mont

Date Started: June 2, 1959 Date Completed: June 6, 1959

Location: Sec. 13 T. 54 R. 25 ¼ sec. NE¼ Location in error!

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

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

Industrial [ ] Drainage [ ] Other:

Casing: 0 ft. to 226 ft. Type: Std. Pipe Size: 4"

Casing: ft. to ft. Type: Size:

Casing: ft. to ft. Type: Size:

Perforated or Screened: Ft. 175 to ft. 226 Ft. to ft.

Type of screen or perforations: Holes

Static Water level, for non-flowing well: 160 feet.

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

Pumping water level: 170 feet at 12 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	8	Yellow loam
8	20	Gray shale
20	30	Black Peat shale
30	65	Gray shale
65	92	Sandy shale
92	105	Coal [illegible] black
105	125	Gray shale
125	140	Blue shale
140	150	Sandy shale
150	226	Sandstone

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4193

File No.....

T. 13N R. 54E 30

TRIPLICATE

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER SECTION
OFFICE OF STATE ENGINEER

RECEIVED
JUN 14 1965
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.....)

0-9 concrete pit

9'-40' coarse sand

40'-110' sandstone + sand

110-130' Dark gray water sand

130-131 Shale

Owner G. R. Schmidt Address.....

Driller H. I. Johnson Address Terry, Mont.

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

Date well started June 1, 1965 Date Completed June 7, 1965

Type of well Drilled (dug, driven, bored or drilled) Equipment Used 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)
9"	6" ID 19½ lb. Rn. St.	9'	131'	SlotS	110'	131'

N

W E

.....¼..... Sec. 30 T. 13 R. 54

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

Static Water Level for non-flowing Well 106 feet.

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

Pumping Water Level 110 feet at 15 gal. per minute.

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

How Tested Baler Test Length of Test approx. 1 hr.

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

0' – 9' Concrete Pit

Show exact depth of bottom.

22
Driller's License Number

Henry I. 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.

39213

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4193

File No. _____ 00178 T. 13 R. 54 Sec. 30

TRIPLICATE

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER SECTION
OFFICE OF STATE ENGINEER

RECEIVED JUN 14 1965 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 _____)

0-9 concrete pit

9-40' Dodson sand

40-110' sandstone sand

110-130' Dark Gray water sand

130-131 shale

Owner G. R. Schmidt Address _____

Driller H. I. Johnson Address Terry, Montana

Date of Notice of Appropriation of Groundwater _____

Date well started June 1, 1965 Date Completed June 2, 1965

Type of well Drilled (dug, driven, bored or drilled) Equipment Used Cable (Cable 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. 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		
9"	6" I.D. 19½ lb. Reg.	9'	131'	From 97'	To 110'	To 130'

Static Water Level for non-flowing Well 108

Shut-in Pressure for Flowing Well _____

Pumping Water Level 110 feet at 15 gal. per minute

Discharge in gal. per min. of flowing well _____

How Tested Bailer Test Length of Test approx. 1 hr

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

0' – 9' Concrete Pit

N

W E

_____ ¼ Sec. 30 T. 13 R. 54

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

Show exact depth of bottom.

22
Driller's License Number

Harry I. 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.

39213

87109

FILED
at 10:22 o'clock A.M.
JUN 10 1985
County Clerk
Deputy
Fee $2.00

8224

T. 13 R. 54 31

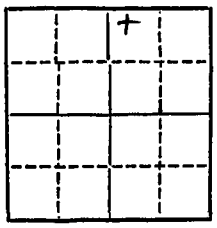
County Prairie

RECEIVED

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Gottlieb Haidle Address Terry, Montana

Driller Henry L. Johnson Address Terry, Montana.

Date Started June 5, 1961 Date Completed June 9, 1961

Location: Sec. 31 T. 13 R. 54 ¼ sec. NW

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 118 ft. Type Std Size 6 in.

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 104 to ft. 118 Ft. to ft.

Type of screen or perforations Slots and Holes

Static Water level, for non-flowing well: 100 feet.

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

Pumping water level 105 feet at 8 gal. per min.

How tested: ~~Pump~~ Bailer

Length of test 3 hrs.

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	14 in	Top Soil
1	110	Sand
110	122	Shale
122	125	Coal

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—48557

34

File No.....

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

DUPLICATE

County PRAIRIE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION 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)

Owner Gottlieb Ulrich Address Fallon, Mt.

Driller Joe Johnson Drlg. Address Terry, Mt.

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

Date well started 11/4/69 Date completed 11/7/69

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)
8 3/4"	6 5/8OD 18.97#/ft	0	35	N O N E		
4 3/4"	2" ID 3.7#/ft	6	994	Holes 3/8"	894	994

LOG

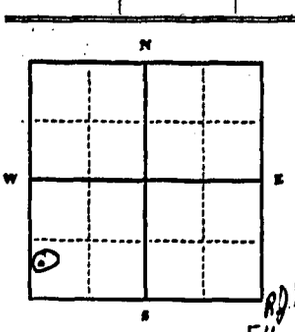
Top of Ground

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

0 - 6 Brn. sandy soil
6 - 30 Sand & gravel
30 - 148 Blu gumbo
148 - 162 Coal & stringers of gumbo
162 - 295 Blu gumbo with stringers of coal
295 - 298 Rock
298 - 310 Hard gumbo
310 - 315 soft rock
315 - 360 Blu gumbo
360 - 363 Rock
363 - 455 Water sand & stringers of gumbo
455 - 458 Rock
458 - 565 Blu & gray gumbo
565 - 592 Rock
592 - 715 Gumbo & coal stringers
715 - 790 Blu & gray gumbo with stringers of water sand
790 - 805 Rock
805 - 910 Blu, gray, & brn. gumbo
910 - 985 Artesian sand
985 - 994 Gumbo & stringers of sand.

994 T.D.

Show exact depth of bottom.



SW 1/4 SW 1/4 Sec. 34 T. 13 R. 54 E.

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

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

Shut-in Pressure for Flowing Well 25#

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

Discharge in gal. per min. of flowing well 25 gpm

How Tested Open Flow

Length of Test 48 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff). Packer set at 500' and cemented with 15 sacks of cement.

.....(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).

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.

154
Driller's License Number

Joe Leon Johnson
Driller's Signature

45883

89-2936

#1655

91655

FILED
at 10:30 A.M.
Mar 17 1969
John D. Spencer
Clerk of the Board

Laboratory No.	438	439			
Collected by	Water Resources Board				
Date Collected	12-2-69	12-2-69			
Date Received	not stated	not stated			
Analysis Reported	12-17-69	12-17-69			

CHEMICAL ANALYSIS (Milligrams per liter. Divide by 17.1 to convert to grains per gallon.)

Iron (Fe)	0.16	0.01			
Calcium (Ca)	4	4			
Magnesium (Mg)	10	10			
Sodium and Potassium Calc. (Na+K)	332	599			
Carbonate radical (CO_3)	28	18			
Bicarbonate radical (HCO_3)	289	1,537			
Sulphate radical (SO_4)	102	29			
Chloride (Cl)	37	24			
[illegible]	2.40	2.64			

No. 7

MONTANA STATE DEPARTMENT OF HEALTH

REPORT OF CHEMICAL ANALYSIS OF WATER

City of Fallon, Prairie County, Montana

LAB NO.	MAP LOCATION	SPECIFIC LOCATION	SOURCE
438	T 13N -R-54E, Section 34	Stock Well-- 994 feet deep	Stock Well
439	T 12N - R 54E, Section 2	Home well--360 feet deep	Home well

Laboratory No.	438	439			
Collected by	Water Resources Board				
Date Collected	12-2-69	12-2-69			
Date Received	not stated	not stated			
Analysis Reported	12-17-69	12-17-69			

CHEMICAL ANALYSIS (Milligrams per liter. Divide by 17.1 to convert to grains per gallon.)

Iron (Fe)	0.16	0.01			
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Sodium and Potassium Calc. (Na-K)	332	599			
Carbonate radical (CO_3)	28	18			
Bicarbonate radical (HCO_3)	289	1,537			
Sulphate radical (SO_4)	102	29			
Chloride (Cl)	37	24			
Fluorine (F)	2.40 ~~02.4~~	2.64			
Nitrates (NO_3)	0.00	0			
Total Hardness (as $CaCO_3$)	50	50			
Total Dissolved Solids	862	1,590			

December 18, 1969

CHEMICAL ANALYSIS

Two samples of water for mineral analyses have been submitted to the State Department of Health water laboratory by Ronald J. Guse, Groundwater Coordinator, Water Resources Board, Helena, Montana. These samples are described as representing the water of a stock well, 994 feet deep (CW 438) and a home well, 360 feet deep (CW 439) on Cottlieb Wrich property in Prairie County near Fallon, Montana. Gottlieb Ulrich

The results of our analyses are recorded on the reverse side of this sheet, the figures representing milligrams per liter, which are equivalent to parts per million (parts of materials per million parts of water). Parts per million may be converted to grains per gallon by dividing by 17.1.

The total mineral content of the water from the stock well as determined by the total dissolved solids is 860 milligrams per liter, a content which is moderately high and classifies the water as fair (between 500 and 1,200 milligrams per liter) from the standpoint of drinking. Waters in this class are described as having no distinct taste as a rule. They can usually be recommended for drinking. The water in the house well has a total dissolved solids content of 1,590 milligrams per liter, a content which is high and classifies the water as acceptable (between 1,200 and 2,000 milligrams per liter). Waters in this class are described as possibly having a slight taste. They are drinkable, however, and only a few persons offer objections to them. People using waters under this class report no objectionable harmful effects as a rule.

The water from both wells has a total hardness, calculated as calcium carbonate, of 50 milligrams per liter, or approximately 3 grains per gallon. Such a hardness classifies the water as relatively soft (between 0 and 5 grains per gallon). This hardness will not be noticeable where ordinary soap is used (will lather freely) and scale will not be formed where the water is heated as in a tea kettle or in a steam-raising plant.

The fluoride content of 2.4 milligrams per liter in the stock well and 2.64 in the house well exceeds recommended 1.0 to 1.5 milligrams per liter fluoride limit which prevents dental caries. Excessive fluoride in drinking water supplies may produce objectionable fluorosis (mottling of the teeth) which increases with increasing fluoride contents above 1.5 milligrams per liter.

The bicarbonate content is 1,537 milligrams per liter from the home well. From observations of the properties and effects of waters of known mineral content, it seems safe to assert that waters containing more than 700 milligrams per liter bicarbonate would be distasteful to some people.

This analysis gives information relative to the chemical quality of the water and has no significance so far as the sanitary features are concerned.

Respectfully submitted,

A. W. Clarkson

A. W. Clarkson, P.E., Chief
Water Section
Division of Environmental Sanitation

AWC:sdd

Reports to: Ronald Guse, Groundwater Coordinator, Water Resources Board
S. A. Chilian, Jr., M.D., County Health Officer, Terry

GW 2

WATER CONSERVATION BOARD

DEC 22 1965

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

File No.....

T. 25 13 R. 54E 35

DUPLICATE

McDermott
McNulty
Merton
Sullivan
Dickert

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 2300 Approx.

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Henry Gaub Address Fallon, Mont.

Driller Joe Johnson Address Terry, Mont.

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

Date well started Dec. 6, 1965 Date Completed Dec. 14, 1965

Type of well Drilled (dug, driven, bored or drilled) Equipment Used Rotary (Chvrn, 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'-3' topsoil
3'-50' Sand & Clay
50'-60' Coal
60'-130' Blue Shale
130'-200' Sand
200'-465' Shale
465'-468' Rock
468'-530' Shale
530'-535' Rock
535'-560' Sand
560'-574' Coal
574'-621' Shale
621'-624' Rock
624'-744' Shale
744'-746' Coal
746'-875' Shale
875'-877' Rock
877'-881' Shale
881'-980' Water Sand
980'-1016' Shale & Rock
1016'-1100' Water Sand

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
4½" From 0'-330'	2" 3.7 #/ft.	0'	1079			
3⅞"				Holes 3/8"	995'	1079'
	330'-1100'					

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

Shut-in Pressure for Flowing Well 2 Lbs.

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

Discharge in gal. per min. of flowing well 1 g.p.m.

How Tested Flow Length of Test 3 days

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) 4½" Steel ring at 300+ ft.

N

W E

NE¼ Sec. 35 T. 13 R. 54

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

Show exact depth of bottom.

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.

H0110

87642

FILED
at 11:55 o'clock A.M.
DEC 20 1965
County Clerk
Deputy
Fee

GROUNDWATER INDEX

Page ____ of ____

County PRAIRIE Twp. 13N Rge. 55E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
25	NORTHERN PACIFIC RAILWAY CO.	GW-4	85294	
27	BUREAU OF LAND MANAGEMENT	GW-1	94157	
30	OPP, JOHN	GW-4	84021	
31	BUREAU OF LAND MANAGEMENT	GW-1	92407	
31	BUREAU OF LAND MANAGEMENT	GW-1	93586	
36	PRAIRIE COUNTY GRAZING DIST.	GW-2	87168	
27	B.L.M.	GW-2	94920	Daisy WELL

G.

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

25

File No.....

T. 13N R. 55E

DUPLICATE

County Prairie

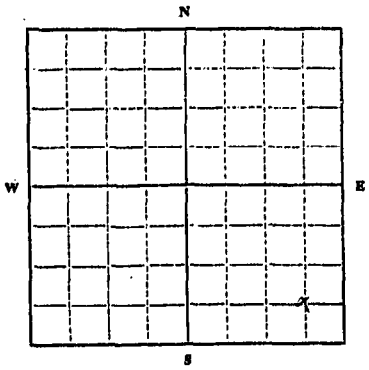
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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:



SE¼SE¼ Se 25 T 13N R 55E

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 1962.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 26 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 Pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1962.

8. The depth of water table 60 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 96 feet deep - 98 feet 4-inch casing. 74 feet 1¼-inch pipe.

10. The estimated amount of groundwater withdrawn each year

11. The log of formations encountered in the drilling of each well if available 0-2' black sandy loam; 2-8' sand and clay; 8-46' blue clay; 46-88' water sand, some wet, some dry; 88-96' gumbo bottom.

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 J. L. Lutzinger
Dist. Supvr, Graz. & Cult.

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.

9382

85294

FILED
at 9:00 o'clock A M.
DEC 12 1963
County Clerk
Deputy
Fee $2.50 Pd

GV

Approved Stock Form—State Publishing Co., Helena, Montana—38687 .3 30

File No.....

T. 13 N. R. 55 E

DUPLICATE

County Prairie

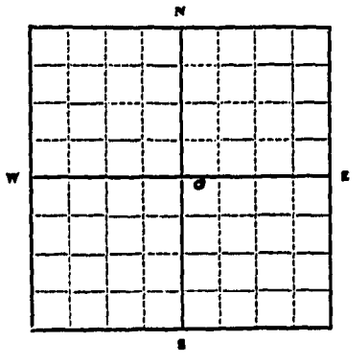
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John Opp (Name of Appropriator), of Fallon (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:



.....¼..... Sec. 30 T. 13 R. 55

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

2. The beneficial use on which the claim is based House hold use and Stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 16, 1960 every day

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 25 gals. per minute

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started June 12, 1960, Completed June 15, 1960

8. The depth of water table 10.20

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 artesian, 2 in. galv. Pipe 1180 Deep

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

11. The log of formations encountered in the drilling of each well if available 0 to 3 Surface Soil 3 to 65 Clay & Sand 65 to 72 Coal 72 to 268 blue Shale 268 to 272 Hard Rock 272 to 300 blue Shale 300 to 307 Hard Rock 307 to 428 blue Shale 428 to 450 Clay & Sand 450 to 538 blue Shale 538 to 540 Sand 540 to 962 blue Shale 962 to 1000 water Sand 1000 to 1030 blue Shale 1030 to 1160 water Sand 1160 to 1180 blue Shale

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 John Opp

Date Dec. 18, 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.

2839

84021

FILED
at 10:00 o'clock A. M.
DEC 2 - 1962
County Clerk
Deputy
Fee $7.00

GW 1 Revised 1969
192—1500—10/69

PERMIT REQUESTED

County Prairie

31

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

RECEIVED
OCT 5 1970

NOTICE OF APPROPRIATION OF GROUNDWATER

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

After filing a notice of appropriation, in order to acquire a right based thereon, the person must, within ninety (90) days, commence actual excavation and diligently prosecute construction of a well and, upon its completion, file a notice of completion with the County Clerk of the county in which the appropriation is located.

Three copies of this notice are to be filed 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 may be returned.

1. I, Bureau of Land Management (Name of Appropriator), of Box 940, Miles City, Montana (Address) (Town)

   County of Custer, 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 Stockwater

   (describe lands to be benefited, if for irrigation)

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

   3 - 5 gallons per minute - 300,000 gallons maximum

   The estimated amount of groundwater to be used annually

4. The annual period (inclusive dates) of intended use April 20 - November 20

5. The probable or intended date of first beneficial use November 1, 1970

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

   November 1, 1970

7. The location, type, size and depth of well or wells contemplated T. 13 N., R. 55 E., Section 31, SE¼NE¼ - 6" hole, estimated 250 ft. in depth, electricity will be used on this well

8. The probable or estimated depth of the water-table or artesian aquifer 250 ft.

9. The name, address, and license number of the driller engaged to be contracted

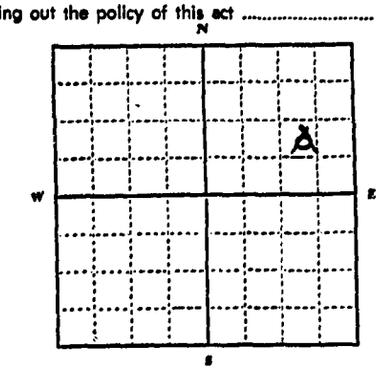
10. Give such other similar information as may be useful in carrying out the policy of this act

PERMIT GRANTED
DIRECTOR MONTANA WATER RESOURCES BOARD

For Administrator's Use

File October 2 1970
3:35 P.M.
92407

PERMIT REQUESTED



SE ¼ NE ¼ Sec. 31

T. 13 N. N/S R. 55 E. E/W

LOCATE WELL OR OTHER MEANS OF DEVELOPMENT AS ACCURATELY AS POSSIBLE ON THE PLAT.

Signature of Appropriator Lex D. Colton Date 9/28/70

Lex D. Colton, District Mgr.

*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 artificially withdrawn.

2/76 4/3

92407

FILED

2:35 o'clock P.M.

OCT 2 - 1970

John D. [illegible]

County Clerk

Deputy

GW 1 Revised 1969
192—1500—10/69

1272-5
County Prairie

27

Daisy Well - #6547

PERMIT REQUESTED

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF APPROPRIATION OF GROUNDWATER

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

After filing a notice of appropriation, in order to acquire a right based thereon, the person must, within ninety (90) days, commence actual excavation and diligently prosecute construction of a well and, upon its completion, file a notice of completion with the County Clerk of the county in which the appropriation is located.

Three copies of this notice are to be filed 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 may be returned.

1. I, Bureau of Land Management (Name of Appropriator), of Miles City, Montana (Address) (Town)

   County of Prairie, 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 livestock water - approx. 200 head

   (describe lands to be benefited, if for irrigation)

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

   3 - 5 gallons per minute

   The estimated amount of groundwater to be used annually 135,000 gallons

4. The annual period (inclusive dates) of intended use May 1 to November 30

5. The probable or intended date of first beneficial use Spring of 1973

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

   Spring of 1973

7. The location, type, size and depth of well or wells contemplated

   T 13 N., R. 55 E., Sec. 27, SW¼NE¼ - pumped well, 6" x 250' deep

8. The probable or estimated depth of the water-table or artesian aquifer 150 feet

9. The name, address, and license number of the driller engaged (not known at present)

10. Give such other similar information as may be useful in carrying out the policy of this act

    An annual withdrawal of approximately 135,000 gallons should be made

PERMIT GRANTED

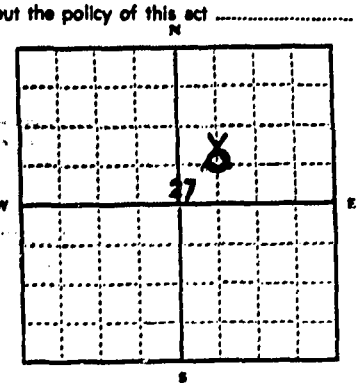
W.R.D., Administrator

For Administrator's Use

File 94157

November 3, 1972 - 10:30 a.m.

PERMIT REQUESTED



SW ¼ NE ¼ Sec. 27

T. 13 N R. 55 E

LOCATE WELL OR OTHER MEANS OF DEVELOPMENT AS ACCURATELY AS POSSIBLE ON THE PLAT.

Signature of Appropriator Lyle Colton Dist Manager Date 11/2/72

*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 pressure or is artificially withdrawn.

52,101-A

94157

Water Well Log
Bureau of Land Management
To
The Public

FILED
at 10:30 o'clock A.M.
NOV 1972
John D. Stahl
County Clerk
Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

PERMIT GRANTED
Kenneth Grewell
W.R.D. Administrator

RECEIVED
JUN 26 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Powder

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.

Daisy Well

Owner Bureau of Land Management

Address Miles City, Montana

Date well started 5/29/73

completed 6/5/73

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

Equipment used Air Rotary (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

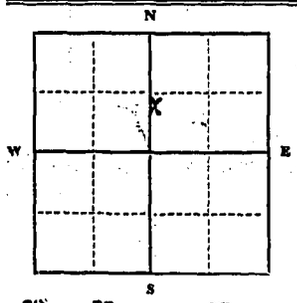
*Describe

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

For Administrator's Use
File 94220
June 25, 1973
GW 1 9:45 A.M.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8"	6" ID 18.97#	+1	283	slots 1/8 X 6"	221	283



SW ¼ NE ¼ Sec 27
T 13N N/S R 55E E/W

Static water level 201 ft.*
Pumping water level 255 ft.*
at 10 gallons per minute,
measured 350 minutes after pumping began.
*Measured from ground level.
Well developed by Air & Bailer
for 10 hours.
Power..... Pump..... 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 Joe Leon Johnson

Driller's Address Joe Johnson Drilling, Terry, Montana

LICENSE NO. 154

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	10	Brown Sand
10	45	Brown Sand
45	55	Silt
55	85	Gray sandstone
85	105	Gray clay with layers of coal
105	115	Gray sandstone
115	117	Sandrock
117	130	Gray sandstone
130	165	Gray sandstone
165	175	Green & grey clay
175	205	Gray sandstone
205	235	Gray clay
235	295	Gray & blue sandstone
TD		

283 Show exact depth of bottom

53,861

94920

Water Well Log

B 2 3 N

to

The Public

FILED

at 9:45 o'clock M.

JUN 25 1973

John D. Stroebel
County Clerk

Helen M. Scott
Deputy

Fee 3.00

GW 2 Revised 1969
STATE PUBLISHING COMPANY

PERMIT GRANTED
DIRECTOR Douglas G. Fuller

County Prairie 31

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

MONTANA WATER RESOURCES BOARD
RECEIVED
FEB 28 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES & CONSERVATION

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

Henry Well #6354

(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 Bureau of Land Management

Address Miles City, Montana

Date well started 11/2/70

completed 11/7/70

For Administrator's Use
File 93586 Feb. 25, 1972
2:30 P.M.
GW 1

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

Equipment used Air Rotary (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

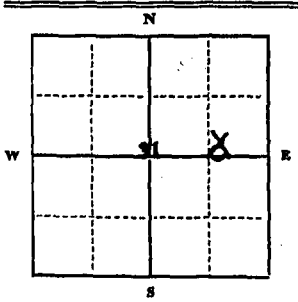
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 300,000 gallons/year

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8"	8" ID	0	43	N O N E		
6"	6" ID 18.97#	43	197	Holes 3/8"	50	70
					145	162
					181	197



SW¼ NE ¼ Sec. 31
T. 13 N R. 55 E
X

Static water level 35 ft.*
Pumping water level 165 ft.*
at 8 gallons per minute,
measured 240 minutes after pumping began.
*Measured from ground level.
Well developed by Air Lift
for 4 hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) Well is gravel packed top to bottom

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

Driller's Signature Joe Jon Johnson

Driller's Address Joe Johnson Drilling, Terry, Montana

LICENSE NO. 154

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	30	Sandy Soil
30	35	Quick sand
35	41	Gravel & Sand
41	142	Clay & Layers of Coal
142	160	Sand
160	180	Clay
180	197	Slightly Sandy Clay

1971 Show exact depth of bottom

49,937

93586

Water Well Log
B L M
to
The Public

FILED
at 2:30 o'clock P.M.
FEB 25 1972
John O'Donnell
Clerk
Deputy

GW 2

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

File No.....

T. 13 N R. 55 E 36

DUPLICATE

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 7 1965
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.....)

4	Blk. Loam
17	Yellow Shale
65	Tilt, Grey, Blue, Blk., Yellow Shale
22	Water Sand 10 gal. P.M.
4	Blue Shale

Owner Prairie County Grazing Dist. Address Prairie County

Driller Ira C. Bond Address Terry

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

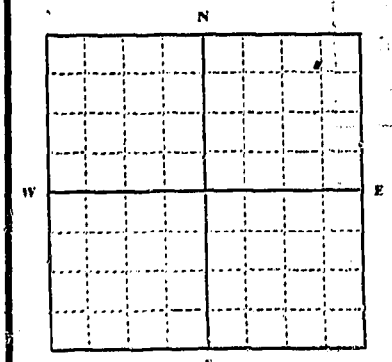
Date well started June 10, 1965 Date Completed June 14, 1965

Type of well Drilled (dug, driven, bored or drilled) Equipment Used Cable (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" 10 100	Surface	132	5/16 Burned	106	128



NE¼NE¼ Sec. 36 T 13 R 55

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

Static Water Level for non-flowing Well 40 feet.

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

Pumping Water Level 70 feet at 5 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).....

Show exact depth of bottom.

132

Driller's License Number

Ira C. Bond
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.

39275

87168

FILED
at 3:45 o'clock P.M.
JUL - 6 1965
County Clerk
Deputy
Fee

GROUNDWATER INDEX

Page ____ of ____

County PRAIRIE Twp. 12N Rge. 49E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
35	BUREAU OF LAND MANAGEMENT	GW-4	84285	
26	"	GW-2	94953	CHART WELL

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
9 1973
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Prairie

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.

Chart Well

Owner Bureau of Land Management

Address Miles City, Montana

Date well started 6/23/73

completed 6/27/73

For Administrator's Use	
File	94953
	7-1-73
GW 1	9:15 a.m.

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

Equipment used Air & Mud Rotary (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

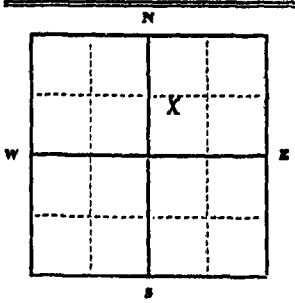
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5 7/8"	4" SD 10/89 #	0	199	n o n e		
4½"	2" SD 3.7 #	199	900	slots 1/8 X 6"	671 810	797 850



SW ¼ NE ¼ Sec. 26
T. 12N N/S R. 49E E/W

Static water level 11 ft.*
Pumping water level 60 ft.*
at 6 gallons per minute,
measured 150 minutes after pumping began.
*Measured from ground level.
Well developed by air
for 7 hours.
Power..... Pump..... 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 Joe Jerry Johnson

Driller's Address Joe Johnson Drlg., Terry, Montana

LICENSE NO. 154

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	15	Brown Sand
15	27	Gray Clay with 6' of Rock
27	60	Gray sand
60	100	Gray clay with rock at 60' 68' & 92"
100	109	Coal
109	270	Gray clay with stringers of Coal
270	300	Blue clay and rock 285-290
300	340	Gray clay
340	350	White sandstone; Rock 340 - 346
350	360	Blue clay
360	370	Brown clay
370	400	Blue clay
400	410	Gray sandstone
410	420	Blue clay
420	520	Blue and gray clay with stringers of sand
520	570	Blue sandstone
570	600	Gray clay
600	770	Sandstone with stringers of clay and rock
770	850	Clay and stringers of sandstone
850	860	Gray clay
860	900	Dark shale

900 Show exact depth of bottom

55857

94953

Water Well Log

BLM

to

The Public

FILED

at 9:15 o'clock A.M.

1 - 1973

John D. Stroud

County Clerk

Deputy

Fee 9.00

4—Helena Independent Record

File No.....

DUPLICATE

T. 12 N. R. 49 E.

County.....Prairie

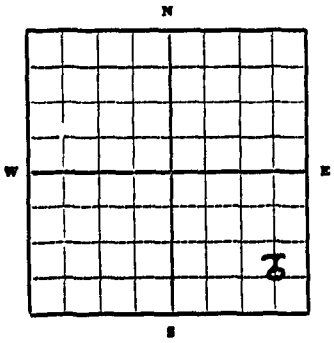
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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:



SE¼SE Sec. 35 T12 N R49E

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 1945 - continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 gal/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 - SWSWSW of S.6.35

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

8. The depth of water table 590' 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 590' deep, flowing well

10. The estimated amount of groundwater withdrawn each year 1,300,000 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

District Manager Fellow A. Zimmerman

Date 1-2-63

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.

3663

84285

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

GROUNDWATER INDEX

Page ____ of ____

County PRAIRIE Twp. 12N Rge. 50E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
9	B.L.M	GW-2	94952	
5	HAUGHIAN LIVESTOCK CO.	GW-4	85361	
13	BUFFALO RAPIDS PROJECT BOARD of CONTROL	GW-4	85034	
13	DOLATTA, ADRIAN	WATER WELL LOG	81950	
13	UNITED STATES OF AMERICA	GW-4	85034	SAME FILE NO. AS ABOVE ?
22	DOLATTA, R.J.	WATER WELL LOG	NO RECORD	
22	THOMASON, LILLIE M.	GW-4	85436	
24	BAN, IVAN J.	GW-4	85286	
24	ROOS, CHARLES J.	GW-4	85362	
24	ROOS, CHARLIE	WATER WELL LOG	81937	MAY BE SAME WELL AS ABOVE #24.
26	DOLATTA, ADRIAN	GW-2	92247	
26	THOMASON, E.C.	GW-2	88286	
32	BUREAU OF LAND MANAGEMENT	GW-4	84301	
34	JENS, LESTER	GW-2	91458	
35	JENS, LESTER	GW-2	87905	
35	NORTHERN PACIFIC RAILWAY CO.	GW-2	92162	
31	B.L.M.	GW-2	94951	TRAIN WELL
~~9~~	~~B.L.M.~~	~~GW-2~~	~~94952~~	~~HINES ARTESIAN~~

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
JUL 9 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Prairie

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.

Hines Artesian

Owner Bureau of Land Management

Address Miles City, Montana

Date well started 11/9/72

completed 11/18/72

For Administrator's Use	
File	94952
	7-1-73
GW 1	9:15 A.M.

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

Equipment used Air Rotary (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

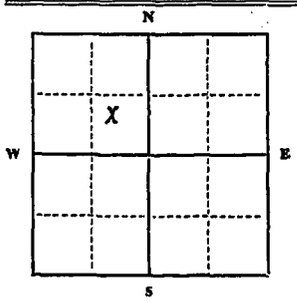
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5 7/8"	4" SD 10.89#	0	285	n o n e		
4½"	2" SD 3.7#	270	900	Slots 1/8 X 6"	620	670
					780	860



SE ¼ NW ¼ Sec. 9
T. 12N N/S R. 50E E/W

Static water level 0 ft.*
Pumping water level 12 ft.*
at 8 gallons per minute,
measured 2 hrs. minutes after pumping began.
*Measured from ground level.
Well developed by Air
for 14 hours.
Power ..... Pump ..... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)
2" casing dis lapped 15" inside 4" casing.

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

Driller's Signature Joe Leon Johnson

Driller's Address Joe Johnson Drilling, Terry, Montana

LICENSE NO. 154

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	10	Brown Sand
10	20	Sand & Gravel
20	30	Clay & Coal
30	55	Gray Clay
55	65	Coal
65	95	Gray Clay with stringers of Rock
95	185	Gray Clay with stringers of Coal & Rock
185	195	Gray Sandstone
195	215	Gray Clay
215	225	Blue-gray soapstone
225	255	Gray Clay
255	270	Gray Sandstone
270	285	Gray Clay
285	289	Brown Rock
289	300	Gray Clay
300	330	Sandstone
330	340	Clay
340	370	Sandstone
370	480	Gray Clay
480	500	Sandstone
500	520	Clay
520	530	Sandstone
530	620	Clay & stringers of Rock
620	670	Sandstone
670	730	Clay
730	760	Sandstone
760	770	Black Shale
770	870	Sandstone with Rock Stringers
870	900	Dark Shale

900 Show exact depth of bottom

55859

94952

Water Well Log

B L M

to

The Public

FILED

at 9:15 o'clock A.M.

JUL 1 - 1973

John D. Strobel

County Clerk

John M. Sackett

Deputy

Fee 2.00

G

Approved Stock Form—State Publishing Co., Helena, Montana—41921 12 50 5

File No.

T. 12 N R. 50 E

DUPLICATE

County Prairie

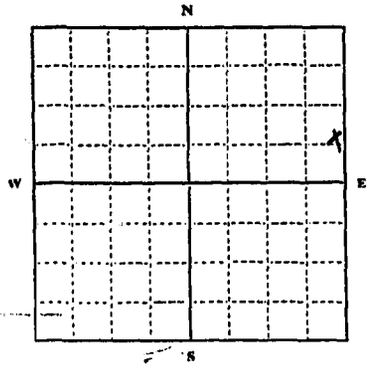
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED DEC 20 1963 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Haughian Livestock Co., of 111 W. Center Miles City
(Name of Appropriator) (Address) (Town)
County of Custer 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. 5 T. 12 R. 50E

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 1915 - Continuous

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

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

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

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 300 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 - Finish casing 350 ft.

10. The estimated amount of groundwater withdrawn each year 2,628,000 gals.

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

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

Signature of Owner Haughian Livestock Co
By Dan Haughian

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.

1097

85361

FILED
at 11:10 o'clock A M.
DEC 18 1963
County Clerk
Deputy
Fee 2 dv 1d.

GW

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

File No.....

T. 12N R. 20

DUPLICATE

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

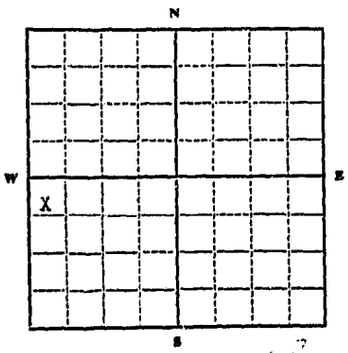
RECEIVED
NOV 6 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Buffalo Rapids Project Board of Control, 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:



NW ¼ SW¼ Sec. 13 T. 12 R. 20

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

2. The beneficial use on which the claim is based
Household use and Pumping Plant

3. Date or approximate date of earliest beneficial use; and how continuous the use has been ~~1961~~ 1951

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

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 at Terry pumping Plant

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

8. The depth of water table 600 feet

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

10. The estimated amount of groundwater withdrawn each year not available

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 Buffalo Rapids Project Board of Control

Date Nov. 4, 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.

6837

85034

FILED

at.....o'clock.....M.

NOV - 5 1963

.....
County Clerk

.....
Deputy

Fee .....

81950

13

T. 12 R. 50

County Prairie

RECEIVED

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Adrian Dolatta Address: Terry, Montana

Driller: Ira C. Bond Address: Terry, Montana

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

Location: Sec. 13 T. 12 R. 50 ¼ sec. SE

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 40 ft. Type: steel Size: 6 inch I.D.

Casing: 0 ft. to 616 ft. Type: Steel Size: 2 inch I. D.

Casing: ..... ft. to ..... ft. Type: ..... Size: .....

Perforated or Screened: Ft. 584 to ft. 616 Ft. ..... to ft. .....

Type of screen or perforations: 3/16 in holes cut one inch apart with cutting torch

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

Shut-in pressure, for flowing well: 40 lb./sq. in. on: ..... (date)

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

How tested: with five gallon bucket

Length of test: 1 minute

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

bentonite packing between 6 inch and two inch

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	16	Clay and Gumbo
16	31	Gravel
31	76	Gumbo
76	78	Rock
78	89	Gumbo
89	90	Rock
90	242	Gumbo
242	243	Rock
243	260	Water Sand with small flow.
260	276	Gumbo
276	277	Rock
277	285	Gumbo
285	298	Water Sand
298	300	Rock
300	385	Gumbo
385	390	Water Sand
390	415	Gumbo
415	422	Water sand and added flow (small)
422	428	Gumbo
428	430	Rock
430	435	Water sand with added showing
435	470	Gumbo
470	474	Water sand
474	475	Gumbo
475	490	Water sand with more water
490	493	Gumbo
493	494	Rock
494	495	Shale
495	503	Water sand
503	570	Shale
570	578	Shale with sand
578	581	Shale
581	582	Rock
582	585	Shale
585	615	Water sand Main flow
615	616	Rock

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

File No.

T. 12N R. 50E 13

DUPLICATE

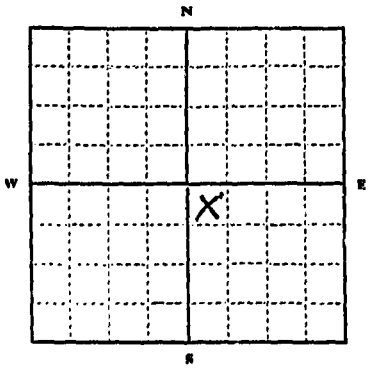
County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. United States of America, of Box 2553 Billings
(Name of Appropriator) (Address) (Town)
County of Yellowstone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 3 SE¼
NW Sec. 18 T.12N R. 50E

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 use and Pumping Plant

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1951

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

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 Artesian at Terry Pumping Plant

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

8. The depth of water table 600 feet

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

10. The estimated amount of groundwater withdrawn each year 3 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. This water is used for domestic, household, stockwatering, and similar uses by employees of the United States, or its agents, at the caretaker's residence at Terry Pumping Plant in connection with operation of the Buffalo Rapids Federal Reclamation Project.

United States of America
Signature of Owner E. Ore and Ames
For Regional Director, Region 6, Bureau of Reclamation
Date December 15, 1965

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.

85034

FILED
at 8:55 o'clock A M.
NOV 5 1963
County Clerk
Deputy
Fee 2.00 Pd.

NO RECORD.

T. 12 R. 50 22

County Prairie

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner R. J. Dolatta Address Terry, Montana

Driller Ira. C. Bond Address Terry, Montana

Date Started August 25, 1957 Date Completed August 29, 1957

Location. Sec. 22 T. 12 R. 50 ¼ sec. NW

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: surface ft. to 33 ft. Type steel Size 6"

Casing: surface ft. to 470 ft. Type Galv. Size 2"

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 433 to ft. 463 Ft. to ft.

Type of screen or perforations 3/16" by torch

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

Shut-in pressure, for flowing well: ? 25 lb./sq. in. on: Aug. 29, 1957 (date)
(60 gal. per min.)

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)