Log of Well

Depth, feet. From	To	Description of Material Drilled
0	50	Unknown
50	52	Clay
56	72	Sand stone
72	80	Gumbo
80	84	Sand and seep of water
84	94	Sandstone
94	~~99~~/98	Sand and Seep of water
98	100	Coal
100	112	Water Sand 10 gpm
112	116	Gumbo and Total Depth

FILED
at 9:12 o'clock A M.
DEC 29 1964
County Clerk
Fee 1.00
Deputy

82792

GW 2

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

File No. .....

MONTANA WATER RESOURCES BOARD
RECEIVED
AUG 30 1967

T. 15 R. 50 22

DUPLICATE

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)

Owner Per Fotland Address Terry Montana

Driller Harold Gavin Address Lindsay Montana

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

Date well started June 20-1967 Date Completed July 7-1967

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5"	4" I.D. 11 lbs per ft	0	160	3/16" slots cut in casing	78	160

Clay & sand mix 23
Clay 64
Sand 28
84 water
Hard clay
155 Lignite
160

91108

N
W E
S

X

NW¼E Sec. 22 T. 15 R. 50

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 85 feet.

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

Pumping Water Level 145 feet at 4 gal. per minute.

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

How Tested slush bucket Length of Test 2 hrs.

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

85
Driller's License Number

Harold Gavin
Driller's Signature

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

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

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

42,248

89112

FILED
at 3:30 o'clock P.M.
AUG 28 1967
County Clerk
Deputy
Fee

G

Approved Stock Form—State Publishing Co., Helena, Montana—4234

File No.

T. 15 N R. 50 E

DUPLICATE

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

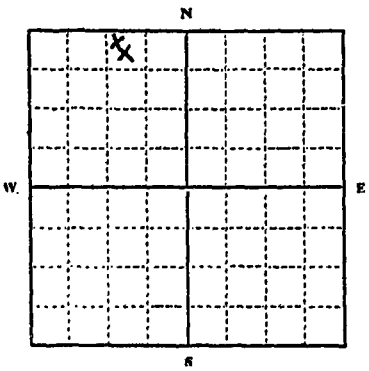
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Frank Smalis (Name of Appropriator), of Terry (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 Sec. 23 T. 15 R. 50

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 2 wells 1 well for household, 1 for stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Both wells have used since 1938

4. The amount of groundwater claimed (in miner's inches or gallons per minute) about 5 gal. a minute for each well

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. 1 well has a electric pump 1 well has a windmill.

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

8. The depth of water table about 20 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Both wells the same type, bored, 2 ft diameter Both wells same depth 40 ft

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

11. The log of formations encountered in the drilling of each well if available Both wells the same formation about 20 ft of Clay then 20 ft of sand

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

Signature of Owner Frank Smalis

Date Dec. 30, 1963

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

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

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

24925

85584

FILED
at 4:00 o'clock P. M.
DEC 3 1 1963
County Clerk
Deputy
Fee 2.00

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

File No.

T. 15 N R. 50 E

DUPLICATE

County Prairie

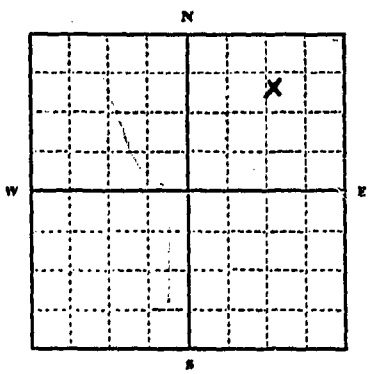
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 6 1964 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Frank Smalis (Name of Appropriator), of Terry (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. 23 T. 15 R. 50

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: used for watering stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Used since 1943 Well is used every year for 3 months.

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Well is pumped with a windmill.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Well completed in 1943

8. The depth of water table: 20 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Well is a bored type 2 ft. in diameter 40 ft. deep

10. The estimated amount of groundwater withdrawn each year: 100,000 gal.

11. The log of formations encountered in the drilling of each well if available: Mostly clay and shale for about 30 ft. the rest sand

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

Signature of Owner: Frank Smalis

Date: Dec. 30, 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.

24926

85585

FILED
at 4:00 o'clock P. M.
DEC 31 1963
County Clerk
Deputy
Fee 2.00

G.

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

File No.

T. 15 N R. 50

DUPLICATE

County Prairie

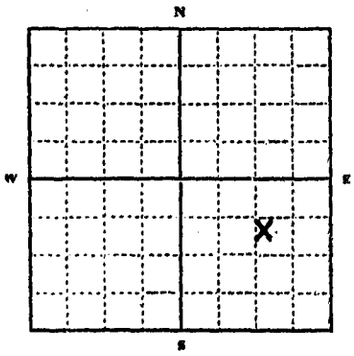
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Frank Smalis (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:



SE ¼ Sec. 25 T 15 R 50

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 Well is used for stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Since 1958 used about 3 months in a year

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Well is pumped with a windmill

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

8. The depth of water table About 50 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
Well is drilled type 4 inch hole 170 ft. deep.

10. The estimated amount of groundwater withdrawn each year 90,000 gal.

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

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

Signature of Owner Frank Smalis
Date Dec. 30, 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.

24927

85586

FILED
at 4:00 o'clock P M.
DEC 31 1963
County Clerk
Deputy
Fee 2.00

25

T. 15 R. 50

County Prairie

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 2 1962
STATE ENGINEER

WATER WELL LOG

X			

Owner: Roland Tibbits Address: Terry, Montana

Driller: Ira C. Bond Address: Terry, Montana

Date Started: 1953 Date Completed: 1953

Location: Sec. 25 T. 15 R. 50 ¼ sec. NW¼

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: surface ft. to 30 ft. Type steel Size 4"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 20 to ft. 28 Ft. to ft.

Type of screen or perforations: burned holes

Static Water level, for non-flowing well: 22 feet feet.

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

Pumping water level 22 feet feet at 15 gal. per min.

How tested: bailer

Length of test: 2 hours

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
o	11	sandy yellow clay
11	20	gumbo
20	28	water sand
28	30	gumbo

GW

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

File No.

T. 15 N R. 50 E

DUPLICATE

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 23 1963
STATE ENGINEER

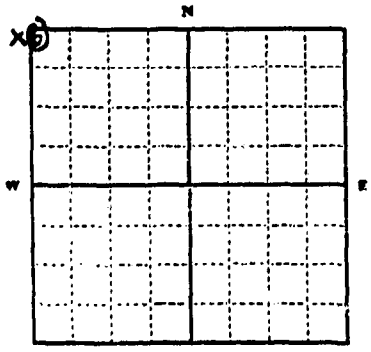
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Edmund G. Reilly (Name of Appropriator) of Terry (Address) (Town)

County of Prairie State of Mont.

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



NW 27 15N 50E.

.....¼..... Sec..... T..... R.....

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

2. The beneficial use on which the claim is based

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1956 6 mo. each year

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 4½ 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 Windmill

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1956 3½ to 4 ft. sand & gravel

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 600,000 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 Edmund G. Reilly

Date 12-20-63

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.

11866

85402

FILED
at 4:35 o'clock P. M.
DEC 20 1963
County Clerk
Deputy
Fee 2.00 Pd.

31

T. 15 R. 50

County Prairie

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 2 1962
STATE ENGINEER

WATER WELL LOG

Owner Roland Tibbitts Address Terry, Montana

Driller Ira C. Bond Address Terry, Montana

Date Started 1954 Date Completed 1954

Location: Sec. 31 T. 15 R. 50 ¼ sec. SE¼

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: surface ft. to 183 ft. Type steel Size six inch

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 159 to ft. 179 Ft. to ft.

Type of screen or perforations burned holes

Static Water level, for non-flowing well: 90 feet from surface feet.

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

Pumping water level 110 feet from top feet at gal. per min. 15

How tested: bailer

Length of test 2 hours

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	4	sa ndy loam
4	21	Yellow clay
21	46	gumbo
46	51	coal
51	53	rock
53	126	gumbo
126	129	coal
129	159	gumbo
159	179	water sa nd
179	183	gumbo

FILED
DEC 29 1961
County Clerk
Fee
Deputy

82806

GW

Approved Stock Form—State Publishing Co., Helena, Montana—12234

File No.

T. 15 N R. 50 E

DUPLICATE

County Prairie

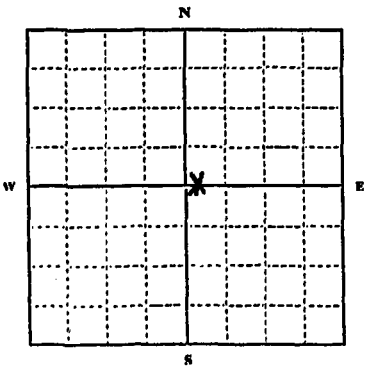
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. James W. Crockett (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:



E½ Sec. 35 T. 15 R. 50

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
Approximately 1947.

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
No Irrigation

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 approx - 1947.

8. The depth of water table 55 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 - 10 inch casing - 60 ft. deep.

10. The estimated amount of groundwater withdrawn each year 864,000 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 James W. Crockett
Date Dec. 27-1963

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

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

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

15595

85467

FILED
at 1:10 o'clock P. M.
DEC 27 1963
County Clerk
Deputy
Fee 2.00

36

T. 15 R. 50

County: Prairie

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
STATE ENGINEER

WATER WELL LOG

X			

Owner: Jim Crochet Address: Terry Montana

Driller: Ina C. Bond Address: Terry, Montana

Date Started: July 10, 1961 Date Completed: July 13, 1961

Location: Sec. 36 T. 15 R. 50 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 422 ft. Type: steel Size: 4 in.

Casing: ft. to ft. Type: Size:

Casing: ft. to ft. Type: Size:

Perforated or Screened: Ft. 400 to ft. 420 Ft. to ft.

Type of screen or perforations: 5/16 in. holes cut three in. apart with torch

Static Water level, for non-flowing well: 380 down to 400 feet.

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

Pumping water level 400 feet at 4 gal. per min.

How tested: with bailer

Length of test: for four hours

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	1	Topsoil
1	50	yellow clay
50	150	Gumbo
150	170	sandstone
170	210	Gumbo
210	216	coal
216	300	Gumbo
300	302	Rock
302	400	Gumbo
400	420	Water sand
420	422	Gumbo

82786

GROUNDWATER INDEX

Page ____ of ____

County PRAIRIE Twp. 14N Rge. 45E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	McMULLIN BROTHERS	GW-	92257	

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4855

File No.....

MONTANA WATER RESOURCES BOARD
RECEIVED
JUL 2 1970

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

DUPLICATE

County Prairie

LOG

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)

Top of Ground

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

0 - 78 Yellow Sandy Soil

78 - 150 Gray Soapstone with stringers of coal.

150 - 196 Gray Sandstone

Show exact depth of bottom.

Owner McMullin Bros. Ranch Address Broadway, Mt.

Driller Joe Johnson Drlg. Address Terry, Mt.

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

Date well started 6/15/70 Date completed 6/15/70

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 ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7 7/8"	5 1/2 OD plastic	0	196	slots 1/8" X 4"	134	196

Static Water Level for non-flowing well 103 feet.

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

Pumping Water Level 130 feet at 9 gal. per minute.

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

How Tested Pumped

Length of Test 8 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff) Well is gravel packed top to bottom. 9" of 8 5/8 blk steel casing cemented at top of well.

(Continue on reverse side)

Dec. No. 99257
Filed for record this 1 day of July A. D. 19 70, at 11:00 o'clock A M.

N
W E
S
X

SE 1/4 Sec. 1 T. 14 R. 41
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

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 Don Johnson
Driller's Signature

46633

92257

Water Well Log
McMullin Bro's
to
The Public

FILED
at 11 o'clock A.M.
July 26 1950
John D. Hirst
County Clerk
Clinton M. Stewart
Deputy
200 fd

GROUNDWATER INDEX

Page ____ of ____

County PRAIRIE Twp. 14N Rge. 46E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
6	BUREAU OF LAND MANAGEMENT	GW-4	84306	
11	NORTHERN PACIFIC RAILWAY CO.	GW-4	85276	
19	McMULLEN BROTHERS	GW-2	88188	
27	DEVLIN, M.B.	GW-2	87463	
27	NORTHERN PACIFIC RAILWAY CO.	GW-2	88220	
34	DEVLIN, M.B.	WATER WELL LOG	81928	
36	DEVLIN, M.B.	WATER WELL LOG	81930	

1—Montana Independent Record

6

File No.

DUPLICATE

T. 14 N. R. 46 E.

County Prairie

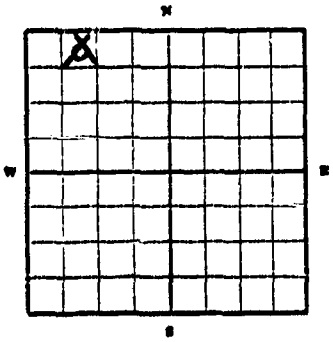
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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:



NW ¼ NW Sec. 6 T. 14N R. 46E

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 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
Windmill - Network of Res. 6

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 196'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
Drilled well - 196' deep

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
Arthur C. Zimmerman

Date 1-22-63

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.

3684

84306

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

GV

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

File No.....

T. 14N R. 46E

DUPLICATE

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

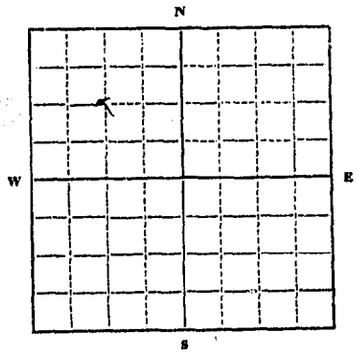
RECEIVED
DEC 16 1963
STATE ENGINEER

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. 11 T 14N R. 46E

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 1961.

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 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 1961.

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 120 feet deep - 4-inch casing.

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.

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, 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.

9384

85296

FILED
at 9:00 o'clock A M.
DEC 12 1963
County Clerk
Deputy
Fee 2.00 Pd

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—404

File No.....

T. 14N R. 46E. 19

DUPLICATE

STATE WATER CONSERVATION BOARD

County Prairie

JUN 30 1966

Bilic ..... McDermott
Butzerin ..... McNally
Coyle ..... Mo...
Darlinton ..... Sul...
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'-2' - Topsoil
2'-12' - Yellow Soapstone
12'-17' - Brown Soapstone
17'-25' - Clay
25'-35' - Yellow Soapstone
35'-40' - Yellow Clay
40'-48' - Blue Clay
48'-50' - Brn. Shale
50'-55' - Gray Shale
55'-65' - Brn. Shale
65'-75' - Dk. Brn. Shale & Coal
75'-95' - Lt. Gray Soapstone
95'-105' - Blue Shale
105'-125' - Lt. Gray Shale
125'-132' - Blk. Shale & Coal
132'-165' - Gray Soapstone
165'-169' - Lt. Gray Sand Rock
169'-210' - Gray Shale

Owner McMullin Bros. Address Brockway, Mont.

Driller Joe Johnson Address Terry, Mont.

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

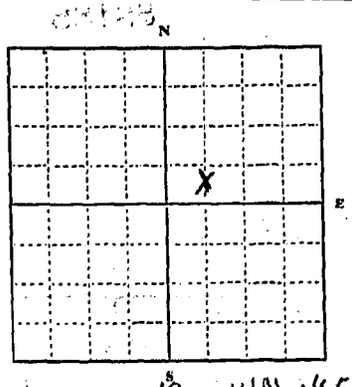
Date well started 5/27/66 Date Completed 6/1/66

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)
7½"	4" I.D. 10# P/F	0'	210'	Holes 3/8"	126'	146'
					175'	185'



¼ Sec. 19 T. 14N R. 46E

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 135 feet.

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

Pumping Water Level 125 feet at 4 gal. per minute.

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

How Tested Bailer & Pump Length of Test 2 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) Casing hanging 40' from bottom at 247'

154
Driller's License Number

Joe Jun 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.

4190

88188

FILED
at 2:00 o'clock A.M.
JUN 29 1966
E. Glen Johnston
County Clerk
Deputy
Fee

GW 2

STATE WATER CONSERVATION BOARD

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

File No. ..... NOV 22 1965

T. 14 N R. 46 E 27

DUPLICATE

Bil... McDermott
Bu... McNulty
Coyle Morton
Darlington Sullivan
Dickert

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.....)

0-14' yellow loam
14'-18 yellow sand Rock
18-50 Gray Soapstone
50-75 Brown Shale
75-78 Coal
78-155 Gray soapstone
155-165 white sand
165-180 Gray Shale
180-200 Blue-gray sand
200-212 Gray shale

Owner M. B. Devlin Address Terry, Mont.

Driller Joe Johnson Drlg. Address Terry, Mont.

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

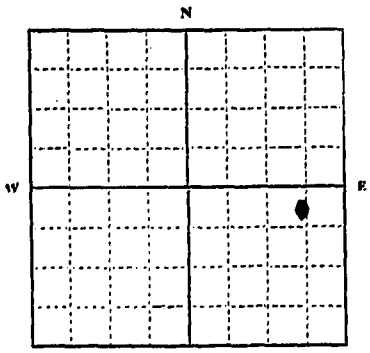
Date well started July 16, '65 Date Completed July 20, '65

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)
5 5/8	4" Id. 9½ lb. per ft.	0'	212'	Holes 5/8"	183'	200'



SE ¼ Sec 27 T 14 R 46

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 160' feet.

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

Pumping Water Level 185' feet at 7 gal. per minute.

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

How Tested Pump Length of Test 24 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

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.

39869

87463

FILED
at 4:35 o'clock P. M.
NOV 18 1965
County Clerk
Deputy
Fee 2.00 Pd

GW 2

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

STATE WATER CONSERVATION BOARD

File No.

JUL 26 1966

T. 14N R. 46E 27

DUPLICATE

County Prairie

Bills McDermott
Butzerin McNulty
Coyle Morton
Darlinton Sullivan
Dickert

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)

0-14' Yellow loam
14-18' Yellow Sand and Rock
18-50' Gray Soapstone
50-75' Brown Shale
75-78' Coal
78-155 Gray Soapstone
155-165' White Sand
165-180' Gray Shale
180-200' Blue-Gray Sand
200-212' Gray Shale

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

Driller Joe Johnson Drlg. Address Terry, Mont.

Date of Notice of Appropriation of Groundwater

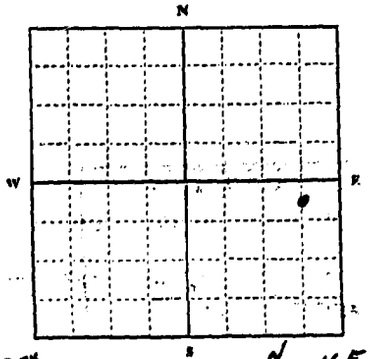
Date well started July 16, 1965 Date Completed July 20, 196

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)
5 5/8	4" Id. 9½ lb. per ft.	0'	212'	Holes 5/8"	183'	200'



SE¼ ¼ Sec. 27 T. 14 N R. 46 E

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 160' feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 185' feet at 7 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Pump Length of Test 24 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

154
Driller's License Number

Northern Pacific Railway Co.
By Thomas Killand
Driller's Signature
Ass't Supr. Grazing & Cultivation

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.

41246

88220

FILED
at 11:50 o'clock A M.
JUL 25 1966
County Clerk
Deputy
Fee 2.00

34

81928

T. 14 R. 46

County Prairie

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
MAR 20 1981
STATE ENGINEER

WATER WELL LOG

Owner Mr. M. B. Devlin Address Terry Montana

Driller Johnson Water Well Service Address Terry Montana

Date Started Sept 27 1958 Date Completed Oct 3, 1958

Location: Sec. 34 T. 14 R. 46 ¼ sec. NE¼ of NE¼

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 125 ft. Type Std pipe Size 4"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 65 to ft. 75 Ft. 112 to ft. 133
175 195

Type of screen or perforations

Static Water level, for non-flowing well: 65 feet.

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

Pumping water level 122 feet at 4 gal. per min.

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 From	Depth, feet To	Description of Material Drilled
0	24	Yellow loam
24	35	Gray soapstone
35	46	Brown sand loam
46	55	Sandy blue shale
55	70	Blue shale
70	72	Coal
72	95	Blue shale w/coal flakes
95	110	Gray sandstone
110	122	Blue shale w/coal flakes
122	134	Coal
134	175	Gray soapstone
175	186	Coal
186	195	Sandy shale

81930

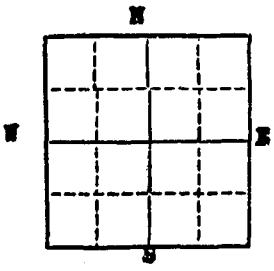
T. 14 R. 46 36

County Prairie

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
MAR 20 1961
STATE ENGINEER

WATER WELL LOG



Owner: Mr M. B. Devlin Address: Terry Mont.

Driller: Johnson Water Well Service Address: Terry Montana

Date Started: 9-22-58 Date Completed: 9-27-58

Location: Sec. 38 T. 14 R. 46 ¼ sec. SE¼ NW¼

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 215 ft. Type: Size:

Casing: ft. to ft. Type: Size:

Casing: ft. to ft. Type: Size:

Perforated or Screened: Ft. 185 to ft. 215 Ft. to ft.

Type of screen or perforations: Holes

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

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

Pumping water level 185 feet at 5 gal. per min.

How tested: Bailer and pump

Length of test: 8 hours

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	14	Yellow loam W /rock
14	17	Gray Soapstone
17	19½	Gray Rock
19½	40	Blue shale
40	70	Gray shale
70	90	Sandy Gray shale
90	115	Dark blue shale
115	138	Gray sandstone
138	140	Coal Dust
140	158	Blue shale
158	180	Gray sandstone
180	210	Blue sandstone
210	215	Coal

GROUNDWATER INDEX

Page ____ of ____

County PRAIRIE Twp. 14N Rge. 47E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
4	KELTNER, LAWRENCE	WATER WELL LOG	80988	
5	REUKAUF, ROBERT	WATER WELL LOG	81422	
5	REUKAUF, ROBERT	WATER WELL LOG	79864	
8	REUKAUF, ROBERT	GW-2	94055	
13	COLE, HAROLD	GW-4	85620	
14	MCLEOD, ISABEL	GW-4	82908	
19	DEVLIN, M.G.	GW-2	85731	
23	HUBING, LEE	GW-2	87110	
26	REUKAUF, ART	WATER WELL LOG	8[illegible]	
13	HAROLD COLE	GW-2	94550	

80988

4

T. 14 R. 47

County Prairie

RECEIVED
JUN 8 1960
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Lawrence Keltner Address: Terry, Montana

Driller: Ira C. Bond Address: Terry, Montana

Date Started: May 14, 1960 Date Completed: 5/15/60

Location: Sec. 4 T. 14 R. 47 ¼ sec. SE¼

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

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

Industrial [ ] Drainage [ ] Other:

Casing: surface ft. to 146 ft. Type steel Size 4"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 116 to ft. 136 Ft. to ft.

Type of screen or perforations: burned holes

Static Water level, for non-flowing well: 125 ' feet.

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

Pumping water level 110 feet at 7 gal. per min.

How tested: bailed

Length of test 2 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	34	yellow clay
34	36	gumbo
36	45	yellow clay
45	52	gumbo
52	98	blue clay
98	105	coal
105	116	sandy clay
116	136	water sand
136	146	gumbo

81422

T. 14 R. 47 5

County Prairie

RECEIVED
NOV 9 1960
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Robert Reukauf Address: Terry, Montana

Driller: Ira C. Bond Address: Terry, Montana

Date Started: May 1, 1958 Date Completed: May 20, 1958

Location: Sec. 5 T. 14 R. 47 ¼ sec. SW¼ of the SW¼

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 205 ft. Type: Steel Size: 4 inch

Casing: ft. to ft. Type: Size:

Casing: ft. to ft. Type: Size:

Perforated or Screened: Ft. 189 to ft. 197 Ft. to ft.

Type of screen or perforations: 5/16 in. holes cut three in. apart with torch

Static Water level, for non-flowing well: 170 feet.

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

Pumping water level: 190 feet at 4 gal. per min.

How tested: with bailer

Length of test: one hour

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

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	24	Yellow Clay
24	26	Sand with seep
26	29	Coal
29	56	Gumbo
56	62	Sandy Clay
62	74	Gumbo
74	80	Hard Coal
80	90	Gumbo
90	98	Light blue Clay
98	128	Gumbo
128	134	Light sand with water
134	150	Gumbo
150	164	Light blue clay
164	190	Dark Gumbo
190	196	Coal with water
196	205	Gumbo

79864

RECEIVED
OCT 9 1959
STATE ENGINEER

T. 14 R. 47 5

County Prairie

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

c			

Owner Robert Reukauf Address Terry, Montana

Driller Ira C. Bond Address Terry, Montana

Date Started March 10 Date Completed 3-15-58

Location: Sec. 5 T. 14 R. 47 ¼ sec. SW¼SW¼

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: surface ft. to 205 ft. Type steel Size 4"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 188 to ft. 198 Ft. to ft.

Type of screen or perforations burned holes 5/16"

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

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

Pumping water level 10 feet at gal. per min.

How tested:

Length of test

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

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	24	yellow clay
24	26	sand with a little water 1 gal per min.
26	29	coal
29	56	gumbo
56	62	sandy clay
62	74	gumbo
74	80	hard coal
80	90	gumbo
90	98	blue clay
98	128	gumbo
128	134	light color water sand 2 gal per min
134	150	gumbo
150	164	blue clay
164	190	gumbo
190	196	coal with water 10 gal per min.
196	205	gumbo

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
SEP 11 1972

County Prairie 8

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Robert Reukauf

Address Terry, Montana

Date well started 7/26/72

completed 7/28/72

For Administrator's Use
File 94055
Sept. 8, 1972 - 10:00 a.m.
GW 1

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

Equipment used cable tool (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

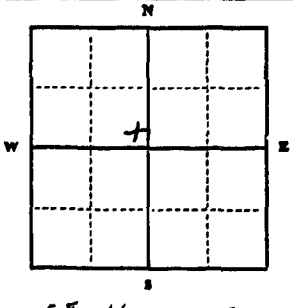
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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)
6½"	5" plastic	0	98	3/16	88	98



SE ¼ NW ¼ Sec. 8
T. 14 N/S R. 47 E/W

Static water level 40 ft.*
Pumping water level 90 ft.*
at 4 gallons per minute,
measured 5 minutes after pumping began.
*Measured from ground level.
Well developed by bailer
for 4 hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) gravel packed
R.J.U.

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

Driller's Signature Robert C. Bond

Driller's Address Terry, Montana

LICENSE NO. 37

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	1	top soil
1	15	yellow clay
15	20	sandstone
20	40	gumbo
40	43	coal
43	86	gumbo
86	98	water sand 12 gpm

98 Show exact depth of bottom

51,333

94055

Trader Hell Log

Robert Rentaw

to

The Public

FILED

at 10:00 o'clock A.M.

1972

John O. Strickel

County Clerk

Helen M. Scalari

Deputy

Recorded

GW-

Approved Stock Form—State Publishing Co., Helena, Montana—42134

13

File No.

T. 14N R. 47E

DUPLICATE

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

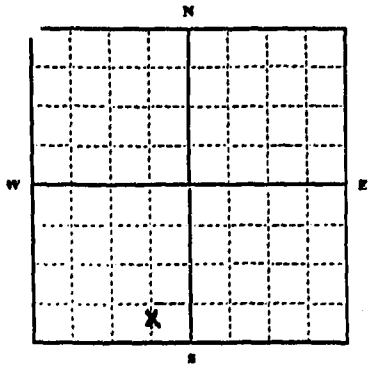
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Harold Cole (Name of Appropriator), of Terry (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. 13 T. 14 R. 47

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: 1950 - Continuous

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

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 1950

8. The depth of water table: 147 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 - 160 feet

10. The estimated amount of groundwater withdrawn each year: 317,500 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: None

Signature of Owner: Harold Cole

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.

24959

85620

FILED
at 5:00 o'clock P.M.
MAR 3 1963
Clerk
Fee 2.00

GW

File No.....

Billing-2 forms

T 14 N R ~~48~~ 47 E 14

DUPLICATE

County Prairie

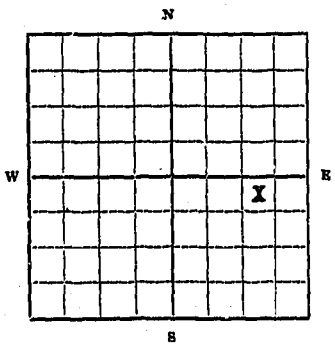
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED FEB 1 1962 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Isabel McLeod (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 ¼ SE¼ Sec. 14 T 14N R 47E.

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

2. The beneficial use on which the claim is based is use of pumped well water for stock water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since the summer of 1926. Since that date the use of the well for stock water has been continuous.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Probably eight (8) gallons per minute, to a total of approximately 1000 gallons per day.

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal through 2 inch pipe in a 4 inch cylinder, with a pump and gas engine located in the NE¼SE¼ of Section 14, Township 14 North, Range 47 East, M.P.M.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater The well was commenced and completed in the summer of 1926.

8. The depth of water table 80 feet below the 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 Drilled well with 8 inch casing. There is a 4 inch cylinder containing 2 inch pipe drilled to approximately 80 feet below the surface, with a pumpjack and gas engine attached.

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

Signature of Owner Isabel McLeod

Date 1-26-62

Lenore Helcomb
NOTARY PUBLIC for the State of Montana
Residing at Billings, Montana
My commission expires February 24, 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 School of Mines and Quadruplicate for the Appropriator.

1323

File No.

DUPLICATE

#82908

STATE OF UTAH
ADMINISTRATION OF ENVIRONMENTAL [illegible]
DIVISION OF WATER RIGHTS

Declaration of Proof Groundwater Rig[illegible]

(Under Chapter 3[illegible] Laws of Utah [illegible])

1. [illegible]
(Name of Appropriator)
County of [illegible]
[illegible]

2. [illegible]

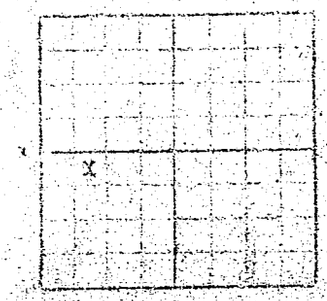
3. [illegible]

4. The amount of groundwater [illegible]
per minute) [illegible] ( ) [illegible]
A total of [illegible]

5. If used for irrigation, give the acreage and [illegible]
[illegible]
[illegible]

6. The name of a [illegible]
[illegible] and well or other [illegible]
[illegible]
[illegible]

7. The date of commencement and completion of the construction of the well [illegible]



[illegible]

Indicate point of appropriation and place of use if possible. [illegible] (Please use [illegible] paper.)

GW 2

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

File No.....

T. 14 R. 47

DUPLICATE

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.....)

16	yellow shale
9	quick sand, gravel, water
21	gray shale
6	dark shale
3	coal
5	brown shale
30	gray shale
12	coal
12	soft gray shale
12	hard shale gray
12	pretty green shale
4	gray shale
16	water sand
2	gray shale

160 feet total depth of well

Owner M. G. Devlin Address Terry, Montana

Driller Ira C. Bond Address Terry, Montana

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

Date well started 11/22/63 Date Completed 11/14/63

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	4½ SD Plastic	surface	160 ½"	drilled	142	158

Static Water Level for non-flowing Well raised 30 feet feet.

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

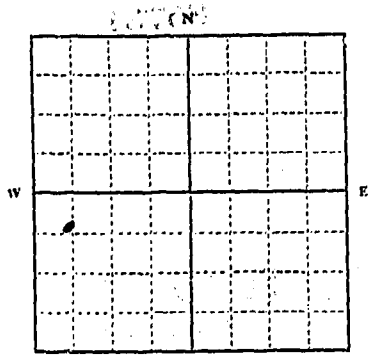
Pumping Water Level 30 feet at 8 gal. per minute.

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

How Test Bailer Length of Test 3 hours

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

17 feet of Surface casing was used to close off the quick sand



SW¼ Sec. 19 T. 14 R. 47

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

760 Show exact depth of bottom.

37
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.

34814

85731

FILED
at 1:00 o'clock P.M.
FEB - 4 1964
County Clerk
Deputy
Fee 2.00

GW 2

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

File No.....

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
AUG 30 1967

T 14N R 47E 23

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.....)

0-3' Topsoil
3-15 Yellow Sand
15-20 gray Shale
20-25 Lt. Gray Sand
25-30 Brown Sandy Shale
30-40 gray Shale
40-44 Coal
44-80 Sandy gray Shale
80-90 Coal
90-95 Lt. gray Sand
95-110 gray Shale
110-115 gray Sand
115-117 Soft Rock/Sand
117-130 Sandy Shale
130-155 Shale
155-185 gray Sand
185-197 gray Shale

Owner Lee Hubing Address Terry, Mont.

Driller Joe Johnson Address Terry, Mont.

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

Date well started 8/8/67 Date Completed 8/11/67

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" I.D. 11 lb/ft	0'	197'	Slots 1/4 x 6"	155'	185'

Static Water Level for non-flowing Well 120 feet.

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

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

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

How Tested Bailer Length of Test 2 hrs.

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

N
W E
S

SE¼ Sec. 22 T. 14 R. 47

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

197 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.

42,247

89110

FILED
at 9:30 o'clock A M.
AUG 28 1967
County Clerk
Deputy
Fee

26

T. 14 R. 47

County Prairie

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 2 1962
STATE ENGINEER

WATER WELL LOG

X			

Owner Art Reukauf Address Terry, Montana

Driller Ira C. Bond Address Terry, Montana

Date Started September 29, 1961 Date Completed October 3, 1961

Location: Sec. 26 T. 14 R. 47 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 92 ft. Type Steel Size 4 in.

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 76 to ft. 83 Ft. to ft.

Type of screen or perforations 5/15 in. holes cut three in. apart with torch

Static Water level, for non-flowing well: 60 down to 1675 feet.

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

Pumping water level 80 feet at 5 gal. per min.

How tested: with bailer

Length of test for one hour

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

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	1	Topsoil
1	25	Yellow Sandy clay
25	35	Soft Sandstone
35	41	Coal 5 gpm
41	64	Gumbo
64	72	Water sand 2 gpm
72	76	Gumbo
76	88	Coal 15 gpm
88	92	gumbo

FILED
at 7:10 o'Clock A M.
DEC 29 1961
County Clerk
Fee 1.00
Deputy

82801

GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
FEB 7 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.

Owner Harold Cole

Address Terry, Montana

Date well started 11/12/72

completed 11/12/72

For Administrator's Use
File 94510
Feb 6 1973
GW 1 10:00 A.M.

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

Equipment used cable tool & rotary (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

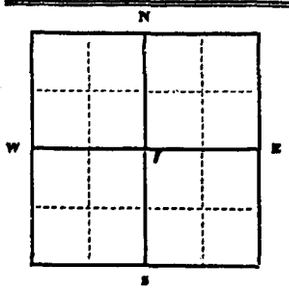
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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)
6¼"	4" plas	0	147	3/16	80	100
					100	120



NW ¼ SW ¼ Sec. 13
T 14 N R. 47 E
S W

Static water level 32 ft.*
Pumping water level 108 ft.*
at 4 gallons per minute,
measured 5 minutes after pumping began.
*Measured from ground level.
Well developed by bailer
for 4 hours.
Power rig Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) gravel packed

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

Driller's Signature [illegible]

Driller's Address Terry, Montana

LICENSE NO. 37

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	1	top soil
1	25	yellow clay
25	27	gumbo
27	30	rock
30	40	shale
40	42	coal
42	78	shale
78	80	sand
80	98	shale
98	140	coal 13 gpm
140	147	shale

147 Show exact depth of bottom

52368

94510

Water Well Log

Harold Cole

to

The Public

FILED

at 10:00 o'clock A. M.

FEB 6 - 1973

[illegible]