

Misc #15835

236813

Filed: Dec. 30, 1963
At: 4:04 P.M.
Fee \$ 2.00

Rosaline W. Maloney
Clerk & Recorder

CORNER RANCH

2

T. 21 R. 29

County Phillips

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER

	X	

Owner Martin Matovich Address Regina, Montana

Driller Ray Shores Address Regina, Montana

Date Started May 27, 1961 Date Completed June 7, 1961

Location: Sec. 2 T. 21 R. 29 1/4 sec. NWSE

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other: _____

Casing: 0 ft. to 901 ft. Type RL Size 4 1/2" O.D.

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

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

Perforated or Screened: Ft. 480 to ft. 895 Ft. _____ to ft. _____

Type of screen or perforations 5/8" holes

Static Water level, for non-flowing well: 5 feet.

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

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

How tested: pumped

Length of test 8 hrs.

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

(over)

75098
229225

State of Montana,
County of Phillips,

Filed for Record this 27th day
of August, A. D. 1961, at 11:00
o'clock A. M. and duly recorded in book

Page of
J. R. F. Recorder

Fee \$1.00

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	17	Clay
17	27	Gray shale
27	463	Lean Saw Shale
463	488	J. R. F.
488	491	Rock 37"
491	501	J. R. F.
501	502	Rock 8"
502	570	J. R. F.
570	573	Rock 35"
573	639	J. R. F.
639	642	Rock 42"
642	648	J. R. F.
648	649	Rock 6"
649	675	J. R. F.
675	676	Rock 4" (very hard)
676	702	J. R. F.
702	703	Rock 16"
703	737	J. R. F.
737	741	Rock 25'
741	825	J. R. F.
825	826	Rock 72"
826	901	J. R. F.
		* J. R. F. - Judith River formation

07

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

File No.

DUPLICATE

T. 21 N 29 E
County Phillips

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

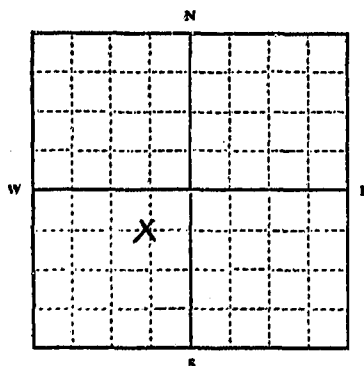
RECEIVED
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER
Regina

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



NW 1/4 Sec. 2 T. 21 N. R. 29 E.

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

2. The beneficial use on which the claim is based Stock.

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 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 free flowing well

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 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 with steel casing
830 ft deep

10. The estimated amount of groundwater withdrawn each year 526,150 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

Martin Matorich

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.

29184

Miss # 15884
236912

Del Dec 31, 1963.
18:43 A.M.

Fee 2.00

P.J. Maloney
Clerk & Recorder

CHAMBERS 212766CAB

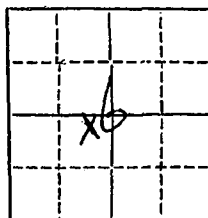
T. 21 R 29
County Phillips

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JUN 12 1961

WATER WELL LOG

STATE ENGINEER



Owner Frank Lock Address
Driller Claude & Lay Shores Address Regina, Mont.
Date Started Nov 10, 1960 Date Completed Nov 19, 1960
Location: Sec. 6 T. 21 R. 29 1/4 sec. NE SW

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

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

Casing: 0 ft. to 30 ft. Type ID Size 6"
Casing: 0 ft. to 150 ft. Type OD Size 4 1/2"
Casing: 130 ft. to 651 ft. Type ID Size 2"

Perforated or Screened: Ft. 330 to ft. 595 Ft. to ft.
Type of screen or perforations 3/8 inch holes

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

Shut-in pressure, for flowing well: 10 lb./sq. in. on: Nov 19, 1960
(date)

Pumping water level: feet at gal. per min.

How tested:

Length of test:

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	100	clay
100	126	sandy clay
128	140	sand + gravel
140	312	shale
312	313	Rock 10"
313	318	Judith River Formations
318	319	Rock 14"
319	341	Judith River Formations
341	344	Rock 38"
344	447	Judith River Formations
447	450	Rock 31"
450	511	Judith River Formations
511	512	Rock 14"
512	651	Judith River Formations

State of Montana, }
 County of Phillips,
 Filed for Record this 11th day of July, A. D. 1911 at 9:45
 o'clock, P. M. and duly Recorded in book
 Page 5 of 5
 County Recorder
 by J. P. O.
 Fee 1.00
 Return 11-11-11

90151A

File No.

T. 21 N. R. 29 E.

DUPLICATE

County Phillips

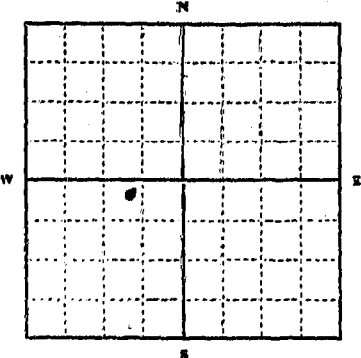
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1961
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. FRANK LOCK of MALTA
(Name of Appropriator) (Address) (Town)
County of PHILLIPS State of MONT.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 6 T. 21 R. 29

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

2. The beneficial use on which the claim is based STOCK WATER
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Oct 1960
Nov 1960 Stock Water
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 gal per min
5. If used for irrigation, give the acreage and description of the land; 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
Natural Flow

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Oct 1960 Nov 1960
8. The depth of water table 600 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
30" 1 1/2" Hand P. Pump 1 1/2" to 200' shale 200'
to 600' gravelly formation
0-86' 16" 15.5" 150' to 600' 2"
Flow 6 gal per min
10. The estimated amount of groundwater withdrawn each year 3000000 gal
11. The log of formations encountered in the drilling of each well if available
Listed in mine above
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 Frank Lock
Date 12-27-63

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

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

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

Misc # 15839

226817

Filed: Dec 30, 1963
at: 4:08 P.M.
Fu # 2, 00

Ronald W. Madeney
Clerk & Recorder

G

File No.

T. 21^N R. 29^E

DUPLICATE

County

Phillips

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

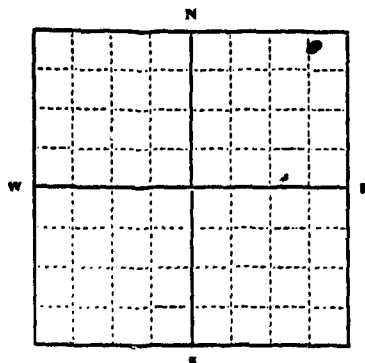
RECEIVED
JAN 10 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Frank Lock, of Malta
(Name of Appropriator) (Address) (Town)
County of Phillips State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.E. 1/4 Sec. 8, T. 21, R. 29

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

2. The beneficial use on which the claim is based
Stock Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
Sept. 1946
continuous Stock Water

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

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

Not used for irrigation

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

Natural flow

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Aug. 8, 1946
Aug. 21, 1946

8. The depth of water table
820 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

6" casing
1 1/2" pipe

10. The estimated amount of groundwater withdrawn each year
5,256,000 gal/yr.

11. The log of formations encountered in the drilling of each well if available
0-206 Sand clay shale
206-208 Rock
208-384 Shale & Rock
384-467 Sandstone shale
467-475 Sandstone & Rock
475-800 Shale with
intermittent Sandstone
800-820 mostly Shale, thin sandstone streaks

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

Frank Lock

Date 12-27-63

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

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

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

29136

Miss # 15836

226814

Filed: Dec 30, 1963
at: 4:05 P.M.
Fee \$ 3.00

Kosakine W. Maloney
Clerk & Recorder

GROUNDWATER INDEX

Page 1 of 1

County Phillips Twp. 217 Rge. 30 E

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File No.

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

County Phillips

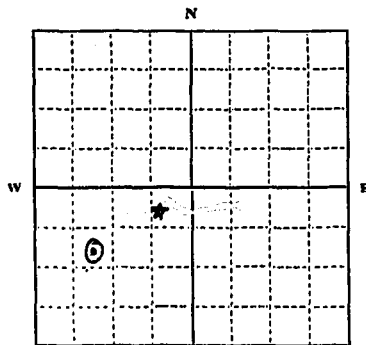
RECEIVED
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Frank Locke, of Matta
(Name of Appropriator) (Address) (Town)
County of Phillips State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



c30
NE 1/4 Sec. 8 T. 21 N. R. 30

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

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

3. Date or approximate date of earliest beneficial use; and how continu-
ous the use has been. Aug. 7, 1946

4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 7 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
none

6. The means of withdrawing such water from the ground and the loca-
tion of each well or other means of withdrawal
Natural flow

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater July 26, 1946 - Aug. 7, 1946

8. The depth of water table 780 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 Chasing 1.5" pipe 64.6 feet of 3" liner pipe

10. The estimated amount of groundwater withdrawn each year. 2,200,000 gal/yr.

11. The log of formations encountered in the drilling of each well if available. 0-65 drift 65-468 Shale, Bearpaw Shale, Judith River Shale; 468-470 Rock; 470-478 Gray 478-480 Rock; 480-510 gray Shale; 510-515 Sand; 515-564 gray Shale; 564-565 Rock; 565-585 Sandstone; 585-587 Rock; 587-597 Sandstone; 597-600 Rock; 600-780 Sandy Shale, Sandstone water rock, Shale & Sandstone layers -

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 Frank Locke

Date 12-27-63

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

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

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

Misc # 15837

226815

Filed: Dec. 30, 1963

At: 4:00 P.M.

Fee \$ 2.00

Rosalind M. Matson
Clerk & Reporter

GROUNDWATER INDEX

Page 1 of 1

County Phillips Twp. 20N Rge. 30E

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File No.

T. 20 N. 30 E.

DUPLICATE

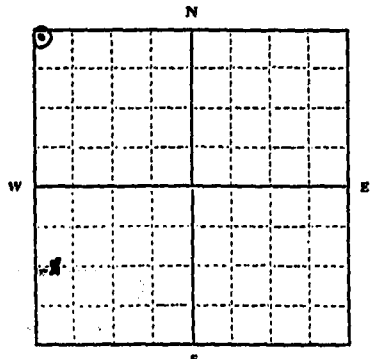
County Phillips

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1964

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

1. Frank Lock, of Matta,
(Name of Appropriator) (Address) (Town)
County of Phillips State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



(NW) BBB
Sec. 4 T. 20 N. 30 E.

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 December 3, 1949

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

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
natural flow

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater finished Dec 3, 1949

8. The depth of water table 900 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
900 feet other particulars not known

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

11. The log of formations encountered in the drilling of each well if available 0-54 Sand clay, gravel
54-80 Blue Clay; 80-505 Bear Paw Shale 505-506 Rock 506-588 14 ft
05 grey Shale & Rock 588-643 Sandstone 643-644 Rock
644-654 Sandstone 654-654 1/2 Rock 654 1/2-701 Shale, sandstone, rock
701-755 Sandstone Shale 755-757 Rock 757-895 Rock, shale, sandstone 895-990
701-755 Sandstone Shale 755-757 Rock 757-895 Rock, shale, sandstone 895-990

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 Frank Lock
Date 12-26-1963

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

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

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

Miss # 15838

236816

Filed Dec 30, 1963
at: 4:07 P.M.
File # 2.

Rosaline W. Maloney
Clerk & Recorder