

File No.

DUPLICATE

T. 8 N. R. 30 E.
COUNTY
RECEIVED
JAN 8 1964STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

**Notice of Completion of Groundwater Appropriation
Without Well**

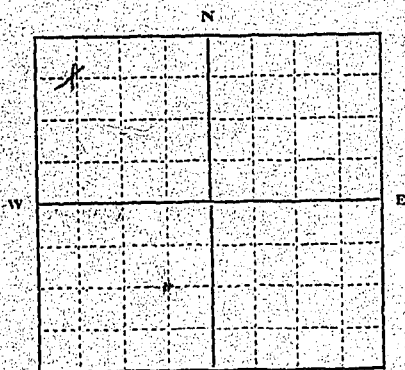
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater March 1963Owner Wanda B. Brix Address Montreal, Minn.

Contractor (if any)

Address of Contractor

Date Started Date Completed

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. A flowing spring
the year around.

NW 1/4 Sec. 6 T. 8 R. 30

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use

IntermittentSignature of Owner Wanda B. BrixDate Dec. 30 1963

This form to be prepared by contractor (if any), otherwise by the owner.

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

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

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

169742

STATE OF MONTANA,
MUSSELSHELL COUNTY, } ss.

FILED THIS 31 DAY OF
December A. D. 1963

AT 4:08 O'CLOCK P. M.

B. H. MATZKE

COUNTY RECORDER

James L. Dawson
200 DEPUTY

File No.

STATE WATER CONSERVATION BOARD

T. 8 R. 30

DUPLICATE

OCT 20 1966

County Musselshell

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

**Notice of Completion of Groundwater
Appropriation by Means of Well**
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground _____
(Elev. above sea level) _____

25' sandy shale
34' blue shale
37' coal
50' shale
55' Coal + shale
70' shale
80' sand
85' Coal + shale
110' shale
115' sand
150' shale
158' sand
220' shale
250' sand (water)
253' Coal + sandy shale

Owner _____ Address _____

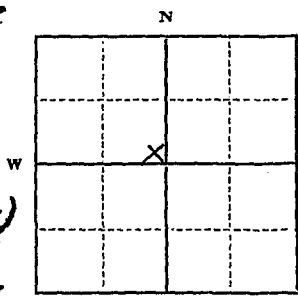
Driller Harry McConnell Address Roundup Mont

Date of Notice of appropriation of groundwater _____

Date well started Sept 25, 1966 Date completed Oct 14, 1966Type of well drilled Equipment used Churn drill
(Dug, Driven, bored or drilled) (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"	5" I.D. 15#	0	253	1/8" Slots	220'	250'

Static Water Level for non-flowing well 180 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 230 feetat 10 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested bailerLength of Test 2 hrRemarks: (Gravel packing, cementing, packers, type of shutoff) Rubberpacker above perforated zone and 15 ft below ground level

(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).

livestock

Show exact depth of bottom.

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.

43
Driller's License Number

Harry McConnell
Driller's Signature

41,533

174624

STATE OF MONTANA,
MURKINSHILL COUNTY.

FILED THIS 19 DAY OF

October A. D. 1966

AT 10:00 O'CLOCK A. M.

Charles L. Fletcher
COUNTY RECORDER

200 DEPUTY

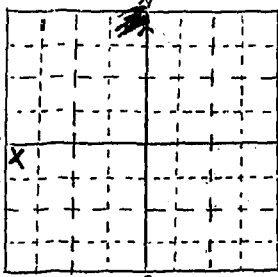
State of Montana
Administrator of groundwater Code
Office of State Engineer

T. 8 N E 12
R. 30
County Musselshell

JAN 3 1964

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

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



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... information unavailable.....
4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 5 g.p.m......
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 ground water... information unavailable.....
but prior to 1957.....
8. The depth of water table 100 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.....
iron pipe 200 ft deep.....
10. The estimated amount of groundwater withdrawn each year..... 70,000 gals.....
11. The log of formations encountered in the drilling of each well if available.....
unavailable.....
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 count record.....

SW 1/4 Sec 8 T 30 R

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

Signature of Owner.....

lessor

Date

Harren Maart
Dec 31, 1963

169710

STATE OF MONTANA,
MUSSELSHELL COUNTY,)^{SS.}

FILED THIS 31 DAY OF

December A. D. 1963

AT 2:40 O'CLOCK P.M.

R. H. MATTHEW

COUNTY RECORDER
Francis L. Dawson
2⁰⁰ DEPUTY

State of Montana
Administrator of groundwater Code
Office of State Engineer

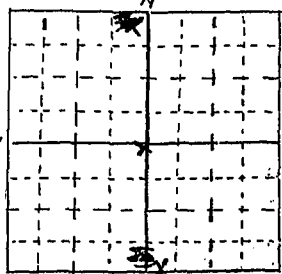
T...8N...R...30...

County...Missoula...

JAN 3 1964

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

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



SE 1/4 Sec. 8, T. 30, R. 12

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 unavailable.....
occasionally
4. The amount of groundwater claimed (in miner's inches or gallons per minute).....3 G.P.M......
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 ground waterunavailable.....
prior to 1957
8. The depth of water table ...at least 100 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.....
6 in. hole.....at least 200 ft deep.....
10. The estimated amount of groundwater withdrawn each year.....50,000.....
11. The log of formations encountered in the drilling of each well if available.....
unavailable.....
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 court record.....

Signature of Owner

Harren Maart
Owner
Date Dec 31, 1963

169708

STATE OF MONTANA, } ss.
MUSSELSPELL COUNTY, }

FILED THIS 31 DAY OF

December A. D. 1963

AT 2:36 O'CLOCK P.M.

E. H. MATZKE

COUNTY RECORDER

Francis L. Dawson
DEPUTY

200

GV

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

File No.

T. 8 N. R. 30 E

DUPLICATE

County. Musselshell

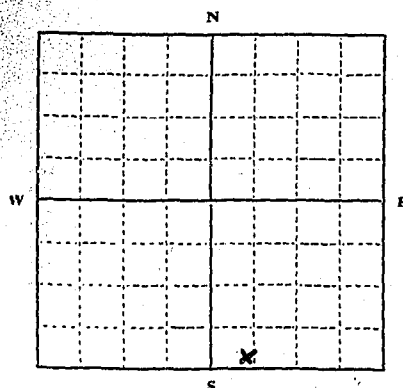
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DEC 23 1963

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

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



SE 1/4 Sec. 14 T. 8 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. stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Nov 1950
used nine mos. a yr.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 150,000 gal 4 gal per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
1 1/2" pipe 2 1/2" cylinder
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater during mo. of Nov 1950
8. The depth of water table 120'
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 300' deep 6" hole stockwater
10. The estimated amount of groundwater withdrawn each year 150,000 gal
11. The log of formations encountered in the drilling of each well if available none 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

Elton RobertsDate Dec 20 1963

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

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

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

11651

169241

STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS 20 DAY OF
Dec A. D. 19 63
AT 9:03 O'CLOCK a.M.

B. H. MATZKE

COUNTY RECORDER

Elaine J. Gossman
DEPUTY

72.00

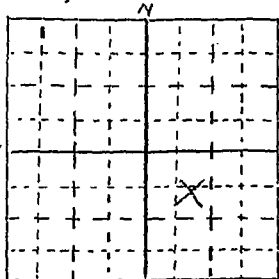
State of Montana
Administrator of groundwater Code
Office of State Engineer

T. 8 N 30 E 18
County Musselshell

JAN 3 1964

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961) ENGINEER

John M. or Anna B. Robinson of *Musselshell*
(Name of Appropriator) (Address) (Town)
County of *Musselshell* State of *Montana*
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



....*18*^S....*9*....*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. *Livestock*
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. *1910*
4. The amount of groundwater claimed (*in* miner's inches or gallons per minute). *10 gal per minute*
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. *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 ground water. *1910*
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. *500 feet deep Ash casing*
10. The estimated amount of groundwater withdrawn each year. *50000*
11. The log of formations encountered in the drilling of each well if available. *Not known*
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 count record.

Signature of Owner

Date

John M. Robinson
12-31-63

169835

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY.

FILED THIS 2 DAY OF

Jan A. D. 1963

AT 12:15 O'CLOCK P M.

B. H. MATZKE

COUNTY RECORDER

Francis L. Lawson

DEPUTY

2.

RECEIVED
JUL 5 1960

T. 8 R. 30 22
County Musselshell

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner T. O. Million Address Musselshell

Driller Orville Treble Address Musselshell

Date Started 8/15 Date Completed 8/25

Location: Sec. 22 T. 8 R. 30 $\frac{1}{4}$ sec. SW $\frac{1}{4}$

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other: Stock use

Casing: 0 ft. to 100 ft. Type gal. Size 6"

Casing: 100 ft. to 215 ft. Type gal. Size 5"

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

Perforated or Screened: Ft. 170 to ft. 195 Ft. _____ to ft. _____

Type of screen or perforations fact p.w.

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

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

Pumping water level 180 feet at 8 gal. per min.

How tested: bailed

Length of test 40 min.

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	20	Dirt
20	25	Blue shale Sandstone
25	35	Blue shale
35	40	Sandstone
40	60	Blue shale & clay
60	65	Hard Rock
65	110	Blue shale
110	130	Brown Clay
130	140	Blue shale
140	160	Blue sand
160	170	Clay & coal
170	180	Sandstone & blue sand
180	195	Brown sandstone
195	200	Coal
200	215	Blue shale
		Water at 170 - 2 gals a min
		Water at 185 2 gals min
		" " 195 4 gals min
		Tested at 8 gal min

RECEIVED

APR 5 1930

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 8 R. 30 22
County Musselshell

WATER WELL LOG

Owner Merle Thompson Address Musselshell
Driller Drill Table Address Musselshell
Date Started 7/28 Date Completed 8/5
Location: Sec. 22 T. 8 R. 30 $\frac{1}{4}$ sec. Center

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

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

Casing: 0 ft. to 115 ft. Type gal. Size 6"

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

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

Perforated or Screened: Ft. 65 to ft. 75 Ft. 85 to ft. 95

Type of screen or perforations fact. per

Static Water level, for non-flowing well: 68.1 feet.

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

Pumping water level, 85 feet at 15 gal. gal. per min.

How tested: bailed

Length of test 30 min.

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

(over)

[illegible][illegible]

STATE WATER CONSERVATION BOARD

GW 4

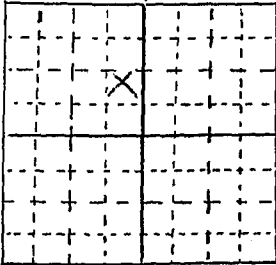
DEC 13 1965

T. 8 N 30 E
County Musselshell

Bille _____ McDermott _____ State of Montana
Butzerin _____ McNulty _____ Administrator of groundwater Code
Coyle _____ Morion _____ Office of State Engineer
Darlington _____ Sullivan _____
Dickert _____

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Mearl Thompson (Name of Appropriator), of Box 92 (Address), Musselshell (Town),
County of Musselshell State of Mont
have appropriated groundwater according to the Montana laws in effect prior to January 1,
1962, as follows:



NW 12 Sec. 8 T. 30 R. 3

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 use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been1958
4. The amount of groundwater claimed (in miner's inches or gallons per minute).....200 gal. 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.....none
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 ground water1958
8. The depth of water table25 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....drilled 6 in. hole 100 ft. deep
10. The estimated amount of groundwater withdrawn each year.....13,000 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 count record.....none

Signature of Owner Mearl Thompson
Dated Dec. 10, 1965

173249

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY. }

FILED THIS 18 DAY OF

December A. D. 19 65

AT 2:47 O'CLOCK P M.

CLAUDE F. FLETCHER

COUNTY RECORDER

Elaine J. Bosman

DEPUTY

42.00

STATE WATER CONSERVATION BOARD

GW 4

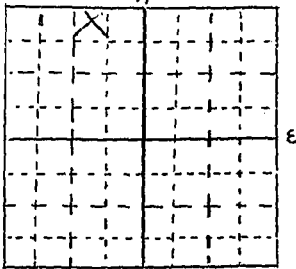
DEC 13 1965

T. 8 N. R. 30 E. 22
County: Musselshell

Billie _____ McDermott _____ State of Montana
Butzerin _____ McNulty _____ Administrator of groundwater Code
Coyle _____ Merion _____ Office of State Engineer
Darlington _____ Sullivan _____
Dickert _____

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Mearl Thompson....., of Box 92.....Musselshell.....
(Name of Appropriator) (Address) (Town)
County of Musselshell.....State of Mont......
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.W. 1/4 Sec. 8. T. 30. 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.....
.....stock water.....
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1964.....intermittent.....
4. The amount of groundwater claimed (in miner's inches or gallons per minute).....10 gals.....
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....none.....
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
.....electric motor - pump jack.....
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of ground water
8. The depth of water table3.0 ft.....
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....
.....drilled 6 in. hole 40 ft. deep.....
10. The estimated amount of groundwater withdrawn each year.....200,000 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 count record.....
.....none.....

Signature of Owner Mearl Thompson

Dated Dec. 10, 1965

173248

STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS 10 DAY OF

December A. D. 19 65
AT 2:45 O'CLOCK P.M.

CLAUDE F. FLETCHER

COUNTY RECORDER

Elaine J. Gorman

DEPUTY

\$2.00

23

File No.

T. 8N R. 30E

DUPLICATE

SW

County MusselshellRECEIVED
NOV 15 1963STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

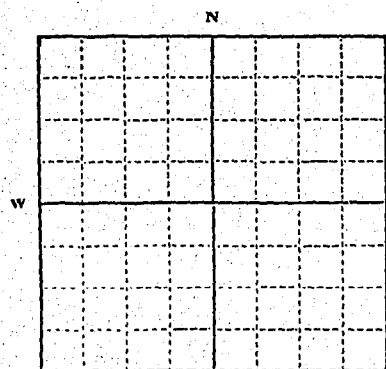
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1914Owner Nor. Pac. Ry. Co. Address St. Paul, Minn.

Contractor (if any)

Address of Contractor

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

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring, used since 1914.

SE 1/4 NE 1/4 Sec. 23 T. 8N R. 30E

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use. Spring runs3 gallons per minute, measured over a
period of time.

Northern Pacific Railway Company

Signature of Owner By L. H. Linder
District Supervisor, Graz. & Cult.

Date.....

This form to be prepared by contractor (if any), otherwise by the owner.

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

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

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

70.56

168906

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY. }

FILED THIS 14 DAY OF

Nov A. D. 19 63

AT 1:44 O'CLOCK P M.

E. H. MATZKE

COUNTY RECORDER

Clair J. [Signature]

DEPUTY

2.00

RECORDED
7-10-63

GW

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

File No.

T. 8 N. R. 30 E. 24

DUPLICATE

County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

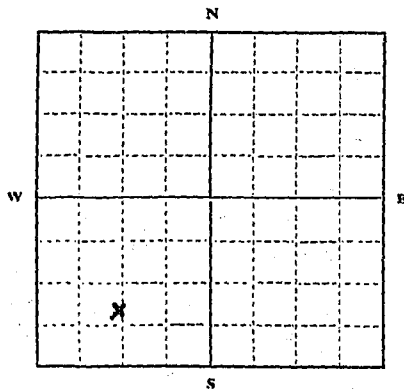
RECEIVED
DEC 23 1968

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

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



SW 1/4 Sec. 24 T. 8 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 continuous the use has been. new well now Dec 20 1963

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 1/2 gal per min

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal no irrigation

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Dec 5 1963 completed Dec 20 1963

8. The depth of water table 24'

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 stock water 6" hole 90' deep

10. The estimated amount of groundwater withdrawn each year propose to use 100,000 gal

11. The log of formations encountered in the drilling of each well if available none 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 Elton Roberts

Date Dec 20 1963

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

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

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

11649

STATE OF MONTANA, }
MUSSELSHELL COUNTY. } ss.

FILED THIS 20 DAY OF Dec A. D. 1963

AT 9:01 O'CLOCK 9 M.

B. H. MATZKE
COUNTY RECORDER
Elaine J. Gosman
DEPUTY

77
77
77
77
77
77
77

JW 3

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

File No.

T. 8 R. 30 E

DUPLICATE

County Murray

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DEC 23 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Nov 1958

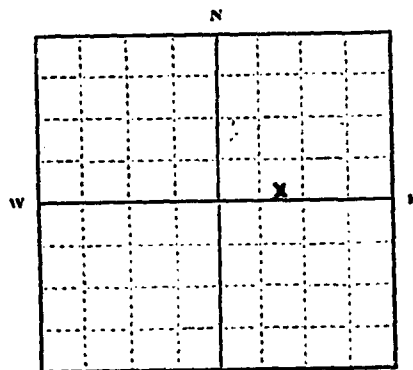
Owner Elton Roberts Address Murray

Contractor (if any) J. H. Roberts

Address of Contractor 4th St. W. Roundup

Date Started Nov '58 Date Completed Nov '58

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. diversion from above stock water from below



NE 1/4 Sec 24 T. 8 R. 30

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use. use 4 mo. a yr for 70 head of cows comes to 24,000 gal

Signature of Owner Elton Roberts

Date Dec 20 1963

This form to be prepared by contractor (if any), otherwise by the owner.

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

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

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

11650

169240

STATE OF MONTANA
MUSSELSHELL COUNTY

FILED THIS 20 DAY OF

Nov A. D. 19 63

AT 9:02 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Clair J. Gossman

DEPUTY

2.00

JW 3

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

File No.....

T. 8 N R. 30 E

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 23 1963

Notice of Completion of Groundwater Appropriation
Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater always been a spring

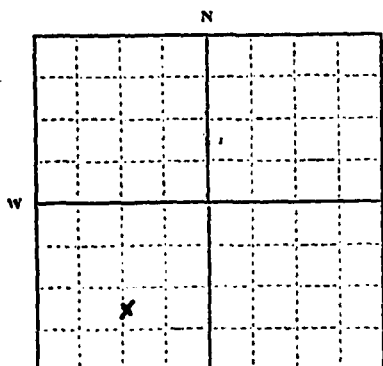
Owner Edton Roberts Address Missoula

Contractor (if any) none

Address of Contractor

Date Started perpetual Date Completed spring

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. surface spring



SW 1/4 Sec 24 T. 8 R. 30

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use spring

runs constantly

Signature of Owner Edton Roberts

Date Dec 20, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

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

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

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

11652

169242

STATE OF MONTANA, }
MUSSELSHELL COUNTY. }

FILED THIS 20 DAY OF

Dec A. D. 1963

AT 9:04 O'CLOCK PM

R. H. MATZKE

COUNTY RECORDER

Elaine J. Gosman
DEPUTY

92.00

CLERK OF DISTRICT COURT

GW

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

File No.

T 8 N 30 E 26

DUPLICATE

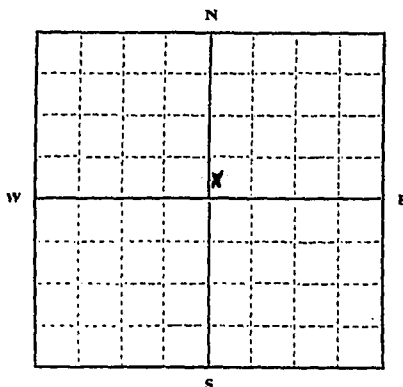
County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 3 1964

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

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



NE 1/4 Sec. 26 T. 8 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 stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been April 1960
6 months per yr.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gals. per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal hand pump 3" cyl. 1 1/2" pipe
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater during month of Nov. 1955
8. The depth of water table 30'
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" hole - 100' deep - stockwater
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 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 not known

Signature of Owner

H. D. Penneway
Date 12-24-63

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.

20672

169828

STATE OF MONTANA, }
MUSSELSHELL COUNTY. }

FILED THIS 31 DAY OF

Dec A. D. 19 63
AT 2:02 O'CLOCK P M.

B. H. MATZKE

COUNTY RECORDER

Francis L. Hutton
DEPUTY

2.

GW

File No.

DUPLICATE

T. 8 N E. 30

County MUSSELSHELL

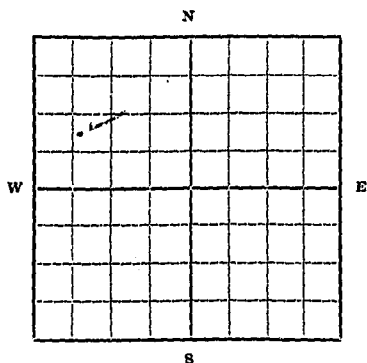
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

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

STATE ENGINEER

1. T.O. MILLION, of MUSSELSHELL
(Name of Appropriator) (Address) (Town)
County of MUSSELSHELL State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 NW 1/4 Sec. 26 T. 8. 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 continuous the use has been 1951
DAILY 6 MO. YRLY
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 13 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 No IRRIGATION
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
PUMP ELECTRIC ENGINE
26-8-30

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater APPROX 1951
8. The depth of water table 86' STATIC WATER LEVEL
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
DRIVEN - 6" DOUBLE
208'
10. The estimated amount of groundwater withdrawn each year 180,000 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
Unknown

Signature of Owner T.O. Million

Date Jan 20 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 School of Mines and Quadruplicate for the Appropriator.

1384

165791

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY.

FILED THIS 5th DAY OF

February A. D. 19 62

AT 3:32 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Clair J. Sorensen
DEPUTY

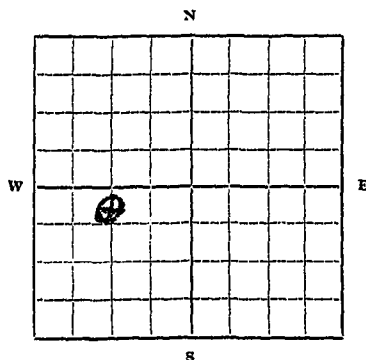
42.00

File No.

DUPLICATE

T. 8 N. E R. 30
County MusselshellSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERRECEIVED
DEC 23 1963Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Bar U Bar Cattle Co Inc, of Musselshell
(Name of Appropriator) (Address) (Town)
County of Musselshell State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:SW 1/4 Sec 30 T. 8 R. 30Indicate 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 & domestic3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1950
continuous to date4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 gal per minute5. 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 used6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump jack & electric motor7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 19508. The depth of water table 90 ft9. 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 105 ft deep, 105 ft - 6" casing, 90' - 1 1/4" tubing, 2" cylinder, 2 1/2" steel pump rod10. The estimated amount of groundwater withdrawn each year 105,000 gal11. The log of formations encountered in the drilling of each well if available not available12. 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 not availableBar U Bar Cattle Co.
Signature of Owner by: Charles C White
Date 12/13/63

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.

11646

169231

STATE OF MONTANA,
MUSSELSHELL COUNTY, ss.

FILED THIS 19 DAY OF
Dec A. D. 1963

AT 2:11 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Clair J. Jossman
DEPUTY

2.00

File No. _____

T. E. R. 30

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVEDCounty Musselshell

LOG

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERTop of Ground 0

(Elev. above sea level)

**Notice of Completion of Groundwater
Appropriation by Means of Well**
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

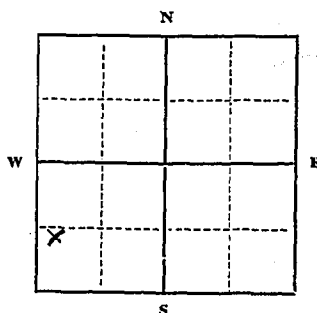
Owner J. Earl L. Ranch Address Musselshell, Mont.Driller Harvey McConnell Address Ranch, Mont.

Date of Notice of appropriation of groundwater _____

Date well started May 19, 1968 Date completed May 20, 1968Type of well drilled Equipment used Churn drill
(Dug, driven, bored or drilled) (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"	6 5/8" I.D. 17 # per ft	0	25	4" Slots	10'	22'

Static Water Level for non-flowing well 6 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 15 feetat 25 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested bailerLength of Test 1 hr.Remarks: (Gravel packing, cementing, packers, type of shutoff) gravel pack

SW-SW 30 T. 8 R. 30

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

(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).

livestock

Show exact depth of bottom.

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.

Driller's License Number 43Driller's Signature Harvey McConnell44,986

178472

STATE OF MONTANA, }
MUSKELSHELL COUNTY. }

FILED THIS 6 DAY OF

February A. D. 1969

AT 4.05 O'CLOCK P.M.

Claude I. Litcher
COUNTY RECORDER

10202

DEPUTY

STATE WATER CONSERVATION BOARD

GW 4

DEC 13 1965

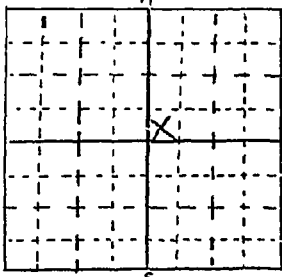
1 N E 32
T.....R.30.....
County Musselshell

Bille _____ McDermott _____
Butzerin _____ McNulty _____
Coyle _____ Morton _____
Darlington _____ Sullivan _____
Dickert _____

State of Montana
Administrator of groundwater Code
Office of State Engineer

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Mearl Thompson....., of Box 92..... Musselshell..
(Name of Appropriator) (Address) (Town)
County of Musselshell..... State of Mont.....
have appropriated groundwater according to the Montana laws in effect prior to January 1,
1962, as follows:



1/2 E. 1/2 Sec. 8..T.30R

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 1961..... Continuous.....

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

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.....
.....electric motor..... pump jack.....

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

8. The depth of water table .. 30 ft.....

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....
.....drilled..... 6 in...... holes..... 100 ft...... deep.....

10. The estimated amount of groundwater withdrawn each year... 180,000 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 court record.....
.....none.....

Signature of Owner Mearl Thompson
Date Dec. 10, 1965...

173250

STATE OF MONTANA, }
MUSSELSHELL COUNTY. } ss

FILED THIS 10 DAY OF

December A. D. 1965

AT 2:49 O'CLOCK P. M.

CLAUDE F. FLETCHER

COUNTY RECORDER

Clair J. Gassman

42.110

Form No. 18
8-60

T. 8 R. 30

County MUSSELSHELL

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
AUG 11 1966

Water Well Log

STATE ENGINEER

Owner T. O. MILLION Address MUSSELSHELL, MONT.

Driller ORVILLE TIREIDLE Address MUSSELSHELL, MONT.

Date Started 8/1/66 Date Completed 8/30/66

Location: Sec. 32 T. 8 R. 30 $\frac{1}{4}$ sec. SW $\frac{1}{4}$

Type of well ~~DUG~~ DRIVEN Equipment used CHURN
(Dug, driven, or drilled) (Churn, drill, rotary, other)

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

Casing: 0 ft. to 215 ft. Type 20 gal. size Size 6"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or screened: Ft. 75 to ft. 215 . Ft. to ft.

Type of screen or perforations 1 IN HOLES 1' APART

Static water level, for non-flowing well: 61' feet.

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

Pumping water level 185 feet at 8 gal. per min. 60

How tested: bailed

Length of test 4 $\frac{1}{2}$ hrs.

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

(over)

Log of Well

[illegible]

GW 3

File No.

DUPLICATE

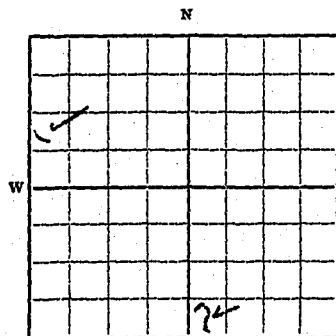
*Surface water*T. *8* N. *33* E. *33*County *Missoula*RECEIVED
JAN 7 1962

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater *approx. 1915*Owner *J. O. Millin*, Address *Missoula, Mont.*Contractor (if any) *X*Address of Contractor *X*Date Started *X* Date Completed *X*Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. *spring or natural*

SW 1/4 NW 1/4
SW 1/4 SE Sec. 33 T. 8 R. 30

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use

water runs full length
of Sec. 33 around

Signature of Owner *J. O. Millin*Date *Jan. 20, 1962*

This form to be prepared by contractor (if any), otherwise by the owner.

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

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

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

165796
STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY, }

FILED THIS 5th DAY OF
February A.D. 19 62
AT 3:37 O'CLOCK P. M.

B. H. MATZKE

COUNTY RECORDER

Elaine J. Brennan
DEPUTY

42.00

GW 3

File No.

DUPLICATE

SW 1/4

T. 8 R. 30

County. MUSSELSHELL

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
FEB 7 1962

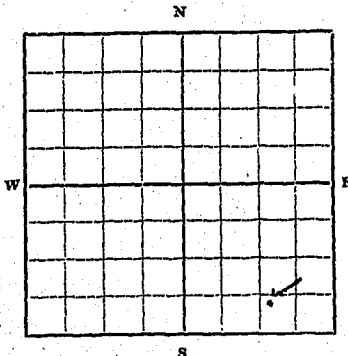
Notice of Completion of Groundwater Appropriation Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater APPROX. 1915Owner T.O. MILLION Address MUSSELSHELL, MONT.Contractor (if any) CARRIED BY JAMES H. ROBERTSAddress of Contractor ROUNDUP, MONT.Date Started 2/3/58 Date Completed 2/4/58

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to

water when applicable. SPRING = cleaned & downwe to keep out silt = earthwork

S.E. 1/4 Sec. 35 T. 8 R. 30

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use

20 gal an hr. Turned in
bucket out of pipe periodically

Signature of Owner X. T.O. MillionDate JAN. 20, 1962

This form to be prepared by contractor (if any), otherwise by the owner.

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

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

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

1378

145797

STATE OF MONTANA,
MUSSELSHELL COUNTY, ss.

FILED THIS 5th DAY OF
February A. D. 19 62
AT 3:38 O'CLOCK P.M.

B. H. MATZKE

Clair J. Brown COUNTY RECORD JR.
#2nd DEPUTY

GW

File No.

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

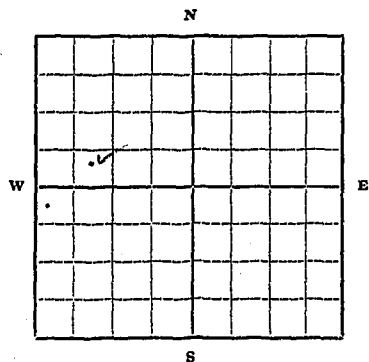
T. 8 N. 35 E. R. 30

County MUSSELSHELL

RECEIVED
JAN 20 1962

STATE ENGINEER

1. T. O. MILLION, of MUSSELSHELL
(Name of Appropriator) (Address) (Town)
County of MUSSELSHELL State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S.W. 1/4 NW 1/4 Sec. 35 T. 8. 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 STATIC WATER
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1930
SEASONALLY 5 MONTHS
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 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 NO IRRIGATION
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
PUMP - WIND MILL & ENGINES
35-8-30
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater APPROX. 1930
8. The depth of water table STATIC LEVEL 45 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
DRIVEN - 4 inch drilled
6 in CASING
90 ft.
10. The estimated amount of groundwater withdrawn each year 300,000 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
unknown

Signature of Owner T. O. Million

Date Jan 20 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 School of Mines and Quadruplicate for the Appropriator.

1383

165792

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY, }

FILED THIS 5th DAY OF

February A.D. 19 62

AT 3:33 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Elaine J. Gosman
DEPUTY

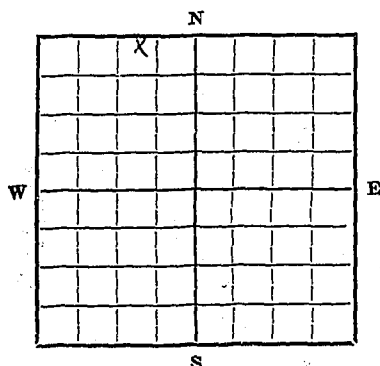
\$2.00

File No.

DUPLICATE

T. 8th R. 30th 36
County MusselshellSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERDeclaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)RECEIVED
DEC 18 1963
STATE ENGINEER

1. Jack F. Meredith Owner of well on
(Name of Appropriator) State land, of Custer
(Address) Custer (Town)
County of Musselshell State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

N.W. $\frac{1}{4}$ Sec. 36 T. 8 N. R. 30Indicate 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 1942 Been
continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 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 1 1/2 in. pipe with working cylinder and pump
rop, run with pump jack and electric motor
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Not applicable
8. The depth of water table 180 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 in. hole with 6 in. galvanized casing, 180 feet deep
10. The estimated amount of groundwater withdrawn each year 160,000 gal.
11. The log of formations encountered in the drilling of each well if available Not applicable
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 Not applicable

Signature of Owner

Date

Jack F. Meredith
Dec. 17, 1963

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

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

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

169267

STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS 17 DAY OF Dec
A. D. 1963

AT 4:15 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Claine J. Cassman
DEPUTY

2.00

File No.

DUPLICATE

T. 8, N. R. 30 E.

County *Musselshell*

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
OCT 17 1963

STATE ENGINEER
**Notice of Completion of Groundwater Appropriation
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater *July 31, 1963*Owner *James Fulton* Address *Fairfield, Wash.*

Contractor (if any)

Address of Contractor

Date Started *July 31* Date Completed *Aug. 10, 1963*

Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. *10 ft. steel tank*

buried to ground level

Quantity of water developed and used with explanation of method
used to measure or estimate such amount. If use is intermittent

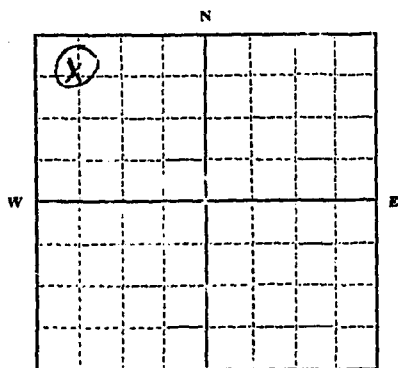
estimate approximate lengths of periods of use *all**year round*Signature of Owner *James Fulton*Date *Oct 16, 1963*

This form to be prepared by contractor (if any), otherwise by the owner.

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

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

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

*N. 1/4, 1/4 N. 1/4, Sec. 5, T. 8, N. R. 30 E.*Indicate point of appropriation
and place of use, if possible.

168724

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ²²

FILED THIS 16 DAY OF
Oct A. D. 19 63

AT 3:47 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Clair J. Brown
DEPUTY

\$2.00

GROUNDWATER INDEX

Page 1 of 1

County Muskegon Twp. 8N Rge. 31E

[illegible]

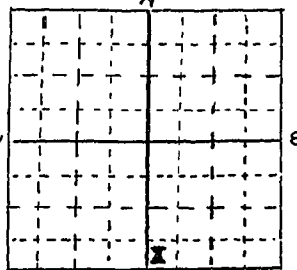
State of Montana
Administrator of groundwater Code
Office of State Engineer

T. 8 ... R. 31
County, Musselshell

JAN 5 1964

DECLARATION OF VESTED GROUNDWATER RIGHTS,
(Under Chapter 237, Montana Session Laws, 1961)

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



Center of S. line
.... Sec. 1. T. 8. R. 31

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... 1951, continuous since that date
4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 100 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... gas powered pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of ground water ... 1951
8. The depth of water table ... 36 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater... 125 feet
10. The estimated amount of groundwater withdrawn each year... 72,000 gallons per year, estimated.
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 court record... none available

Signature of Owner

Edgar Knapp

Date December 31, 1963

169703

STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS 31 DAY OF

December A. D. 1963

AT 2:26 O'CLOCK P. M.

E. H. MATZKE

COUNTY RECORDER

Francis L. Dawson
200 DEPUTY

GV

File No.

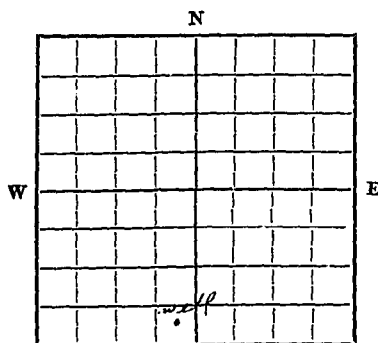
DUPLICATE

T 8 N E 2
R 31
County MusselshellSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERRECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER

1. James E. Wilson Sr, of Melstone
(Name of Appropriator) (Address) (Town)
County of Musselshell State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



LT-19-TR-22-S.W. 1/4
1/4 Sec. 2 T. 8 N R. 31 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 water
House water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1914 to 1963
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gal. per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof It is 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 Windmill
and electric motor
Sec. 2-2-8-1931 E
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Summer of 1914
8. The depth of water table 126 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 inch casing 126 feet deep
10. The estimated amount of groundwater withdrawn each year It do not know
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

James E. Wilson
Date Jan. 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 School of Mines and Quadruplicate for the Appropriator.

15320

169423

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY. }

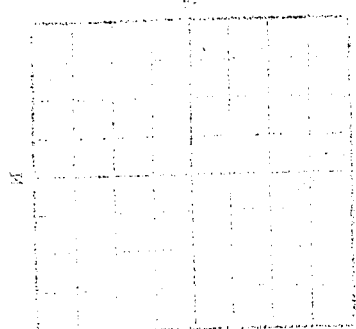
FILED THIS 27 DAY OF
December A. D. 19 63
AT 2:41 O'CLOCK P. M.

B. H. MATZKE

COUNTY RECORDER

James L. Dawson
DEPUTY

2.00



Subsequent to the filing of
this return, the assessor has
noted that the land shown
on the map is not the same
as the land shown on the
map.

It is the duty of the assessor to collect taxes on the land shown on the map, and to collect taxes on the land shown on the map.

File No.

T. 8 N. 31 E.

DUPLICATE

County.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

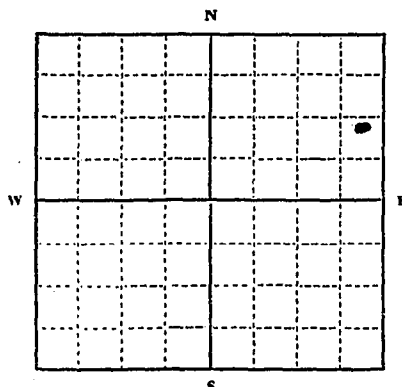
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 2 1964
STATE ENGINEER

1. Harold or Hazel Haysen, of Melstone
(Name of Appropriator) (Address) (Town)

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



NE $\frac{1}{4}$ Sec. 3 T. 8 R. 31

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. Summer 1961 and since

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

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. Approx 200 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

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

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

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

Signature of Owner Harold Haysen

Date 12-30-63

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.

17745

169494

STATE OF MONTANA, }
MUSSELSHELL COUNTY. }

FILED THIS 30 DAY OF

Dec A. D. 1963
AT 12:00 O'CLOCK P. M.

B. H. MATZKE

COUNTY RECORDER

Francis L. Dawson
DEPUTY

2.

File No.

MONTANA WATER RESOURCES BOARD

RECEIVED

T. 8 R. 31, 4

DUPLICATE

County Muskegon

OCT 9 1967

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

LOG

Top of Ground
(Elev. above sea level.....)

8' sand + gravel
20' grey shale
25' sandy shale
75' shale
78' coal
85' sandy shale
92' coal
103' shale
115' fine sand & shale
140' shale
142' hard sand
170' shale & coal
(water)
198' soft sand
205' coal & shale
215' shale

SEC-4 T-8^s R-31
SE 1/4 Sec 18 T-9 R-31

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

Show exact depth of bottom.

Notice of Completion of Groundwater Appropriation by Means of Well DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Edgar Knapp Address: Melston Mont
Driller: Harvey McConnell Address: Bozeman Mont

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

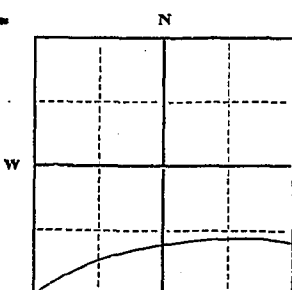
Date well started April 20, 1967 Date completed April 24, 1967

Type of well drilled Equipment used rotary
(Dug, driven, bored or drilled) (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"	5" I.D. 17#	0	212	1/8" slots	170	198

Static Water Level for non-flowing well 125 feet.

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

Pumping Water Level 200 feetat 7 gal. per minute.

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

How Tested bailerLength of Test 3 hr

Remarks: (Gravel packing, cementing, packers, type of shutoff) Cement from 0 to 3' Cane Catcher at 25 ft

(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).

livestock

Driller's License Number

43
Harvey McConnell
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, tissue copy to be retained by driller.

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

42, 371

178054

STATE OF MONTANA
MUSKELSHELL COUNTY.

FILED THIS 6th DAY OF

October A. D. 1967

AT 3:00 O'CLOCK P. M.

Claude J. Shilkin
RECORDER

20

GW

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

File No.

T. 8 N R. 31 E

DUPLICATE

County Muskege

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

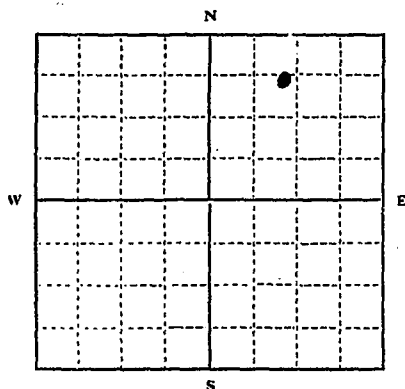
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 2 1964

STATE ENGINEER

1. Hansel Haysen, of Melton
(Name of Appropriator) (Address) (Town)

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



NE 1/4 Sec. 5 T. 8 R. 31

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 summer 1961
and since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 4 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 motor and pump jack
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 approx 200 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
10. The estimated amount of groundwater withdrawn each year 80,000 gallons
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Hansel HaysenDate 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.

17748