

167446

STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS 14 DAY OF
Jan A. D. 19 63
AT 2:12 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

DEPUTY

2.00

File No.

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

T 7.00 R 23 E

County of Blaine

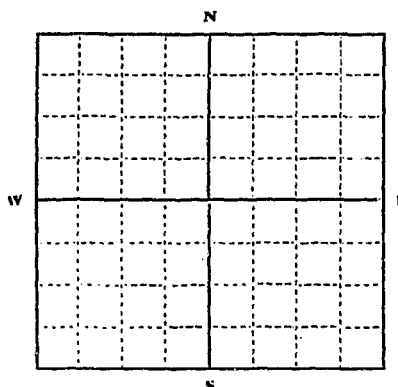
JAN 8 1964

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John E. Turley Sr., of Box 207, Missoula, Mont
(Name of Appropriator) (Address) (Town)
County of Blaine State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 14 T. 7 N. R. 28 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.....
Domestic use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. January 18, 1915
3 to 6 acre irrigated 10 gals. per min.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal. per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
that used
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Original
on the 4th of July 1915
on the 4th of July 1915
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Aug. 1945
8. The depth of water table. 15 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. 5 ft. dia. 15 ft. deep
10. The estimated amount of groundwater withdrawn each year. 10,000 gal.
11. The log of formations encountered in the drilling of each well if available. blue clay
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

Date

John E. Turley Sr.
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.

20600

File No.

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

County Missoula

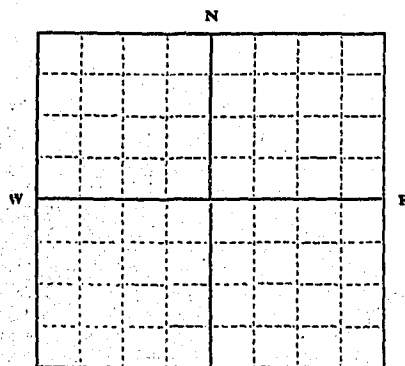
JAN 8 1964

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John E. Turley Sr., of Box 207 Missoula Mont
(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:



NE 1/4 Sec. 14 T. 7N R. 18E

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. June 15 1913
3 to 6 mo yearly 10 gal. per min.

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
not used

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. original
Spring 70 ft deep
70 ft deep 4 1/2 inch pipe
70 ft deep 4 1/2 inch pipe

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

8. The depth of water table. 15 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. 5 ft. dia. 15 ft. deep

10. The estimated amount of groundwater withdrawn each year. 70,000 gal.

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. 714-22

Signature of Owner

John E. Turley Sr.
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.

20600

169756

STATE OF MONTANA, }
RUSSELLSHELL COUNTY, } ss.

FILED THIS 31 DAY OF
December A. D. 19 63
AT 4:38 O'CLOCK P M.

COUNTY RECORDER

Frances L. Dawson
202 DEPUTY

RECEIVED
MAY 19 1958

15

T. 7 R. 28

County Musselshell

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

ETHEL M CHANDLER ET AL

Owner James Brown Lessee Address Lodge Grass, Mont.

Driller Gordon Seamon Address Roundup, Mont. Box 536

Date Started May 7, 1958 Date Completed May 15, 1958

Location: Sec. 15 T. 7 R. 28 1/4 sec. center of section

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:

Casing: 0 ft. to 315 ft. Type 5/8" thread & Coupled Size 6"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

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

Type of screen or perforations

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

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

Pumping water level 200 feet at 5 gal. per min.

How tested: Bailer & Pump

Length of test

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

(over)

Log of Well

[illegible]

File No. _____

DUPLICATE

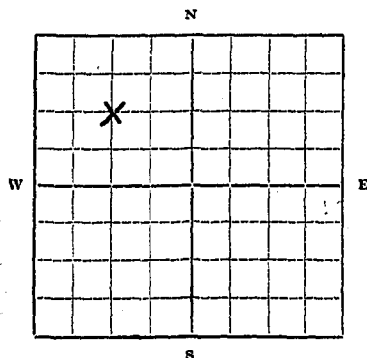
T. 7 N 28 E 15
County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964

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

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



NW 1/4 Sec. 15 T. 7 R. 28

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 1955
Continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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 pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1955

8. The depth of water table 65 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 125 Ft. deep Cased to bottom 6 in casing

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

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

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 Jim H. Brown
Date December 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.

20646

169802

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY, }

FILED THIS 31 DAY OF
Dec A. D. 19 63

AT 6:12 O'CLOCK P.M.

E. H. MATZKE

COUNTY RECORDER

Frances L. Dawson
222 DEPUTY

17

T. 7 R. 28
County Musselshell

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
MAY 25 1961

WATER WELL LOG

STATE ENGINEER

Owner Jim H. Brown Address Roundup, Mont.
Driller P. L. Ferguson Address Roundup, Mont.
Date Started 4-3-61 Date Completed 4-7-61
Location: Sec. 17 T. 7 R. 28 1/4 sec.

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

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

Casing: 1 ft. to 146 ft. Type galv Size 6 in
Casing: _____ ft. to _____ ft. Type _____ Size _____
Casing: _____ ft. to _____ ft. Type _____ Size _____
Perforated or Screened: Ft. 73 to ft. 83 Ft. 135 to ft. 144

Type of screen or perforations slot

Static Water level, for non-flowing well: 94 feet.

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

Pumping water level 120 feet at 40 gal. per min.

How tested: backing

Length of test 30 min

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

Log of Well

[illegible]

File No.

DUPLICATE

T. 7N R. 28E

County. Musselshell

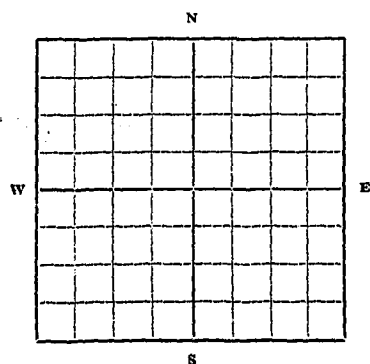
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 15 1963

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

STATE ENGINEER

1. Northern Pacific Railway Company, of St. Paul 1, 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:



SW 1/4 Sec. 17 T. 7N R. 28E

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 watering live-stock.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1961. Continuous since 1961.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 40 gallons per minute, tested at time of completion.
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 Completed April 7, 1961.
8. The depth of water table 69 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 148 feet deep. Six-inch casing to bottom, perforated at all water sands.
10. The estimated amount of groundwater withdrawn each year
11. The log of formations encountered in the drilling of each well if available 0-2' surface soil; 2-25' hardy sandy clay; 25-73' light shale; 73-83' sand water - 1 gal. per min; 83-135 blue shale; 135-144' sand water; 144-146' shale.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. No other information available.

Northern Pacific Railway Co.
Signature of Owner By J. W. Delinger
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.

7059

168909

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY. }

FILED THIS 14 DAY OF

Nov A. D. 19 63

AT 1:50 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Elaine J. Groenman

DEPUTY

#2.04

STATE WATER CONSERVATION BOARD

GW 2

MAR 10 1966

Approved Stock Form—State Publishing Co., Helena, Montana 42329

File No. _____
 BILLS _____
 BULLOCK _____
 COYLE _____
 DARLINGTON _____
 DICKSON _____
 McDermott _____
 McNulty _____
 Morlon _____
 Sullivan _____

T. 7 N. R. 28
 County Musselshell

DUPLICATE

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 3422)

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

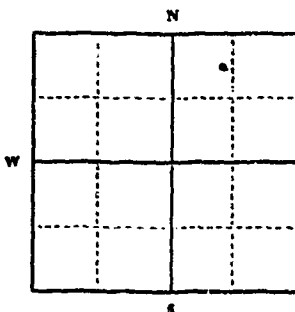
(Under Chapter 237, Montana Session Laws, 1961)

Owner Gus Mikkelsen Address Roundup, Mont.Driller same Address _____Date of Notice of appropriation of groundwater NONEDate well started Oct 1, 1964 Date completed Oct 3, 1964Type of well drilled Equipment used cable 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" 2 1/2 ga	0'	86'	gate slit	53'	86'

Static Water Level for non-flowing well at 45' feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 45' feetat 10 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested pumpLength of Test down

Remarks: (Gravel packing, cementing, pack-

ing type of shutoff packer aroundtop.

NW 1/4 NE Sec 8 T. 7 R. 28
 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)
stock water

86'

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

Joe Mikkelsen
 Driller's Signature

40823

173682

STATE OF MONTANA
MUSSELSHELL COUNTY

FILED THIS 9 DAY OF
March A.D. 1966
AT 2:55 O'CLOCK P.M.

CLAUDE F. FLETCHER
COUNTY RECORDER

Francis L. Dawson
DEPUTY

2.

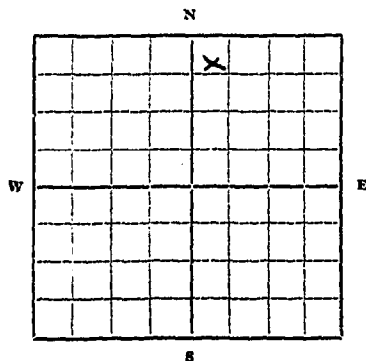
File No.

DUPLICATE

T. 7 N. R. 29
County. MusselshellSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERDeclaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)RECEIVED
JAN 15 1963

STATE ENGINEER

1. Gus Mickelson, of 717 1st East Roundup
 (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:



..... 1/4 Sec. 16, T. 7, 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
house water + stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
1945 and been used since
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
50 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
only to irrigate for garden
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Pump, pump jack and motor
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
completed in 1945
8. The depth of water table
55 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
gal. cap. 6 in. 55 ft.
10. The estimated amount of groundwater withdrawn each year
100,000
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 Gus MickelsonDate Jan. 14, 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.

3303.

167445

STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS 14 DAY OF
January A. D. 1963
AT 2:10 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Elaine J. Brown
DEPUTY

\$2.00

167445

167445

167445

167445

167445

167445

167445

GV

File No.

DUPLICATE

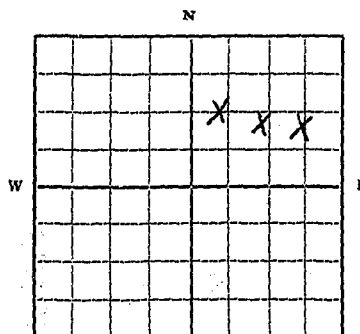
T. 7^N R. 28County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964

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

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



3 springs^s Located in
NE 1/4 Sec. 19 T. 7 R. 28

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 springs
used for stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1900
continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 210 gal per min. each
spring
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
ALL 3 springs flow naturally
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater ALL 3 springs flow naturally without
construction of any works for withdrawal. Springs
are cleaned occasionally.
8. The depth of water table ground 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
ALL 3 springs flow naturally the year around
10. The estimated amount of groundwater withdrawn each year 300,000 gallons for each
spring
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

Date December 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 School of Mines and Quadruplicate for the Appropriator.

20642

[illegible]

File No.

T. 7 R. 28

DUPLICATE

MONTANA STATE ENGINEER BOARD

County Marcellus

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERNotice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

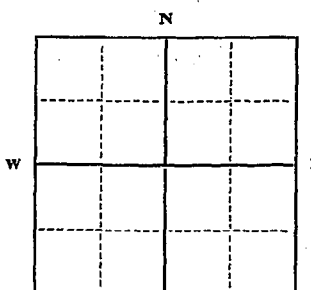
Owner Jim Brown Address Delphian Mont.Driller Harry McConnell Address Bozeman Mont.

Date of Notice of appropriation of groundwater

Date well started June 10/1968 Date completed June 26/1968Type 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"	5" I.D. 15 #	-1	454	4"	270	290
				Slots	315	325
					330	350

Static Water Level for non-flowing well 280' feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 450 feetat 7 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested bailerLength of Test 4 hrsRemarks: (Gravel packing, cementing, packers, type of shutoff) none

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).

limestone

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

Harry McConnell
Driller's Signature.

44308

176981

STATE OF MONTANA, } ss.
MUSKIELE SHELL COUNTY. }

FILED THIS 10th DAY OF

July A. D. 1968

AT 1:15 O'CLOCK P.M.

CLAUDE F. FLETCHER

COUNTY RECORDER

Dona Cyd Reynolds

DEPUTY

2.00

GV.

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

File No.

T 7 R 28

DUPLICATE

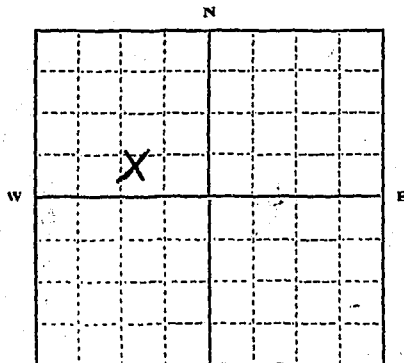
County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE JAN 3 1964
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Jim H. Brown, of Roundup
(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:



Spring located in
NW 1/4 Sec. 20 T. 7 R. 28

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 1 spring
used for stock water
3. Date or approximate date of earliest beneficial use; and how continu-
ous the use has been 1920
continuous use
4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 10 gallons 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 loca-
tion of each well or other means of withdrawal
Spring flows naturally
7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater Spring flows naturally without withdrawal
works.
8. The depth of water table Ground 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
Spring flows naturally all year.
occasional cleaning is all that is necessary.
10. The estimated amount of groundwater withdrawn each year 400,000 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

Date December 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.

20638

169794

STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS 31 DAY OF

Dec A. D. 19 63
AT 5:54 O'CLOCK P. M.
BY H. M. M. M. M.

COUNTY RECORDER

Frances L. Dawson
2nd DEPUTY

File No.

T. 7N R. 28E

DUPLICATE

County. Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

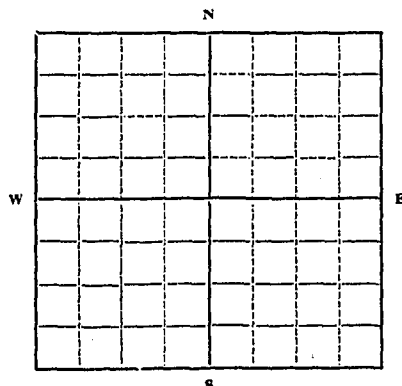
RECEIVED
NOV 15 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Northern Pacific Railway Company, of N.P. Office 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:



SE 1/4 Sec. 21 T. 7N R. 28E

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

2. The beneficial use on which the claim is based. Furnishing water for livestock.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Continuous since 1953.
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 5 1/2 gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. None.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Drilled in 1953.
8. The depth of water table. 100 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. 266 feet deep - 6-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 information available.

Northern Pacific Railway Co.

Signature of Owner. BY L. V. Liberman
Dist. Supervisor, 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.

168908

STATE OF MONTANA, }
MUSSELSHELL COUNTY. }

FILED THIS 14 DAY OF

Nov A. D. 19 63

AT 1:48 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Clair J. Freeman
DEPUTY

\$2.00

FILED
MUSSELSHELL COUNTY
MONTANA
NOV 14 1963

File No.....

DUPLICATE

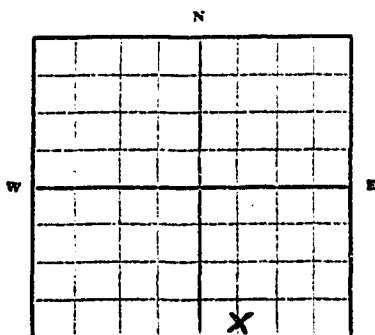
T 7 R 28
County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Jim H. Brown of Roundup
(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:



Spring

SE 1/4 Sec 22 T. 7 R. 28

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 1900
Continuous use

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Spring used since 1900.

8. The depth of water table Ground 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 Spring Flows Naturally

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

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

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

Signature of Owner J. H. Brown
Date December 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.

169797

STATE OF MONTANA
MISSOULA COUNTY
FILED THIS 31 DAY OF
DEC 63
AT 6:00 P.M.
FRANCIS L. DAWSON
202
CLERK

File No.

T. 7 N. R. 28 E.

DUPLICATE

County Missoula

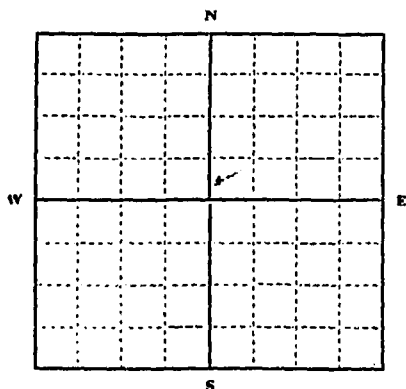
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 8 1964

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. John E. Turley Sr., of Box 207 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:



NE 1/4 Sec. 23 T. 7 N. R. 28 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 livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Aug. 15, 1949
3 to 6 months yearly

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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
not used
215 1/2 acres T. 7 N. R. 28 E.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June 15, 1949 to Aug 15, 1949

8. The depth of water table 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 6 inch casing 200 ft deep

10. The estimated amount of groundwater withdrawn each year 75,000 to 150,000

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

John E. Turley Sr.
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.

20601

169757

STATE OF MONTANA, }
MUSSELSHELL COUNTY, }
FILED THIS 31 DAY OF
December A.D. 1963
AT 4:40 O'CLOCK P.M.
B. E. MATZKE
COUNTY RECORDER
Francis L. Dawson
202

File No.

T. 1 N. R. 28 E.

DUPLICATE

County Musselshell

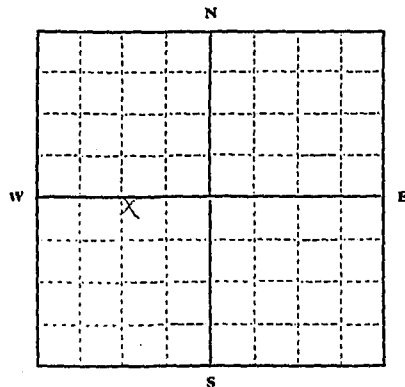
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 8 1964

Declaration of Vested Groundwater Rights. ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. John E. Turley, Sr., of Box 207 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:



T1W 1/4 Sec. 25 T7 N R. 28 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 Livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Oct 1956

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 not used

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

T1W 1/4 Sec. 25 T7 N R. 28 E.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Sept - Oct 1956

8. The depth of water table 160 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 casing 160 deep

10. The estimated amount of groundwater withdrawn each year 150,000 yearly

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

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 available

Signature of Owner

John E. Turley, Sr.
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.

20603

169759

STATE OF MONTANA. } ss.
MUSSELSHELL COUNTY. }

FILED THIS 31 DAY OF

December A. D. 19 63

AT 4:44 O'CLOCK P.M.

COUNTY RECORDER

Frances L. Dawson
DEPUTY

Form No. 18
8-60

T. 7N R. 28E

County Musselshell

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 2 1962

Water Well Log

STATE ENGINEER

X		

Owner Sam Smeding Address Musselshell

Driller Anderson Drilling Co. Address Billings

Date Started May 10, 1944 Date Completed May 20, 1944

Location: Sec. 26 T. 7N R. 28E $\frac{1}{4}$ sec. SW $\frac{1}{4}$

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

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

Casing: 0 ft. to 304 ft. Type galvanized Size 6 in.

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or screened: Ft. 292 to ft. 301. Ft. to ft.

Type of screen or perforations galvanized screen casing

Static water level, for non-flowing well: 180 feet.

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

Pumping water level 250 feet at 3 gal. per min.

How tested: bailer tested

Length of test 60 min.

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

(over)

State of Montana
Administrator of groundwater Code
Office of State Engineer

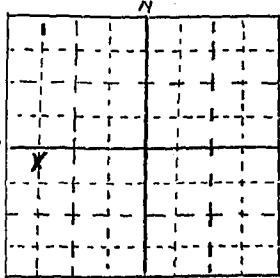
T. 7N...R. 28E...
County...*Missoula*...

R

JAN 2 1964

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

1. *Glenn K. Roem*....., 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:



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

Domestic & Stock.....

3. Date or approximate date of earliest beneficial use, and how continuous the use has been *May 20, 1944*.....

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

SW 1/4 Sec 26 T. 7N. R. 28E 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.....

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....*regular pump & gas motor*.....

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of ground water *May 10, 1944 - May 20, 1944*.....

8. The depth of water table *180 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.....*comm. hole 30 ft.*.....

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.....

Signature of Owner *Glenn K. Roem*.....

Date *Dec 30, 1963*.....

165601

STATE OF MONTANA,
MUSSELSHELL COUNTY, {⁵²

FILED THIS 30 DAY OF

Dec A. D. 1963
AT 4:35 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Francis L. Dawson
\$2.00 DEPUTY

File No.

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

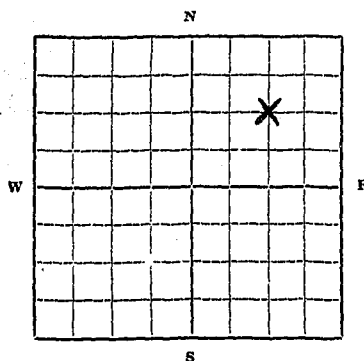
T. 7 N E 28
County Musselshell

RECEIVED
JAN 3 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Jim H. Brown, of Roundup
(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. 28 T. 7 R. 28

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 1956
Continuous use

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1956

8. The depth of water table 110 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 Well 220 Ft. deep - Cased to bottom

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

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

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 Jim H. BrownDate December 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.

20644

169800

STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS 31 DAY OF

Dec

A. D. 1963

AT 6:06

O'CLOCK

P M.

B. H. MATZKE

COUNTY RECORDER

Frances L. Dawson
202

DEPUTY

GW.

File No.

DUPLICATE

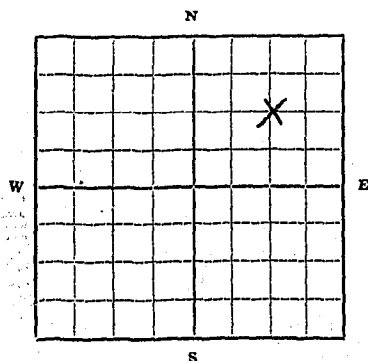
T. 7 N. E 28
County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964

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

1. Jim H. Brown of Roundup
(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. 29 T. 7 R. 28

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 1920
Continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal per min
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1920
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 125 FT. deep - Cased
10. The estimated amount of groundwater withdrawn each year 400,000 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

Jim H. Brown
Date December 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 School of Mines and Quadruplicate for the Appropriator.

20643

169799

STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS 31 DAY OF

Dec A. D. 19 63

AT 6:04 O'CLOCK P. M.

H. E. JAMES

COUNTY RECORDER.

Francis L. Dawson
202 DEPUTY

Form No. 18
8-60

T. 7N. R. 28E.
COUNTY Musselshell

ONTARIO BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JUN 2 1955

Water Well Log

STATE ENGINEER

Owner Sam Smading Address Musselshell
Driller Glyde Sando Address Shepherd
Date Started July 10, 1955 Date Completed July 15, 1955
Location: Sec. 30 T. 7N R. 28E Sec. 1/4

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

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

Casing 0 ft. to 187 ft. Type galvanized Size 6 in.

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

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

Perforated or screened: Ft. 160 to ft. 172 Ft. _____ to ft. _____

Type of screen or perforations screen galvanized

Static water level, for non-flowing well: 150 feet.

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

Pumping water level 160 feet at 15 gal. per min.

How tested: bailer test

Length of test 30 min.

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

RECEIVED

JUN 20 1953

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 7 R. 28 30
County. Hill

WATER WELL LOG

Owner: Percy H. Johnson Address: _____
Driller: Clyde Davis Address: 1441 1/2 Ave.
Date Started: May 1, 1953 Date Completed: May 3, 1953
Location: Sec. 30 T. 7 R. 28 1/4 sec.

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

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

Casing: 0 ft. to 180 ft. Type: galv. Size: 6 in.
Casing: _____ ft. to _____ ft. Type: _____ Size: _____
Casing: _____ ft. to _____ ft. Type: _____ Size: _____

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

Type of screen or perforations: 80 ft. perforated

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

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

Pumping water level: _____ feet at _____ gal. per min. 15

How tested: _____

Length of test: _____

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

(over)

[illegible][illegible]

32

Form No. 18
8-60T. 7N R. 28E
COUNTY MusselshellMONTANA BUREAU OF MINES AND GEOLOGY
Butte, MontanaRECEIVED
JAN 2 1962

Water Well Log

STATE ENGINEER

	X	

Owner Sam Smeding Address Musselshell
 Driller Louis Corbin Address Roundup
 Date Started Aug. 5, 1954 Date Completed Aug. 15, 1954
 Location: Sec. 32 T. 7N R. 28E Sec. NE 1/4

Type of well drilled Equipment used churn drill
 (Dig, driven, or drilled) (Churn drill, rotary other)

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

Casing 0 ft. to 67 ft. Type galvanized Size 6 in.

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

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

Perforated or screened: Ft. 50 to ft. 65 Ft. _____ to ft. _____

Type of screen or perforations slots cut in casing

Static water level, for non-flowing well: 50 feet.

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

Pumping water level 50 feet at 20 gal. per min.

How tested: bailer test

Length of test 60 min.

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

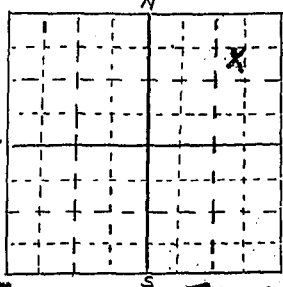
Sec 3

T. 2 N. R. 2 E. S. 33
County. Musselshell
DIVISION
JAN 2 1964

State of Montana
Administrator of groundwater Code
Office of State Engineer

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

1. Harry O. Kinner of 722 1/2 West 1st Roundup
(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... stockwater and domestic use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been... 1927 - continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 20 gals. / min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof...
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of ground water... 1927 - 1927
8. The depth of water table... 10 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, six inch casing, 36 ft.
10. The estimated amount of groundwater withdrawn each year... 200,000
11. The log of formations encountered in the drilling of each well if available... clay, sand, gravel
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...

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

Signature of Owner Harry O. Kinner
Date Dec. 30, 1963

169535

STATE OF MONTANA,
MUSSELSHELL COUNT

FILED THIS 30 DAY OF

Dec A. D. 1963
AT 1:28 O'CLOCK P M.

B. H. MATZKE

COUNTY RECORDER

Frances L. Dawson
DEPUTY

2.00

Handwritten notes on left margin, partially illegible.

Handwritten note: "Dawson, Frances L."

Handwritten note: "Dawson, Frances L."

Handwritten note: "101"

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Handwritten notes on right margin, partially illegible.

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Handwritten notes on right margin, partially illegible.

Form No. 18
8-60

T. 7N R. 28E

County Musselshell

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 2 1952

Water Well Log

STATE ENGINEER

	X		

Owner Sam Smeding Address Musselshell

Driller Anderson Drilling Co. Address Billings

Date Started April 9, 1950 Date Completed April 16, 1950

Location: Sec. 33 T. 7N R. 28E $\frac{1}{4}$ sec. NW $\frac{1}{4}$

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

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

Casing: 0 ft. to 200 ft. Type galvanized Size 6 in.

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

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

Perforated or screened: Ft. 191 to ft. 200. Ft. _____ to ft. _____

Type of screen or perforations galvanized screen casing

Static water level, for non-flowing well: 150 feet.

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

Pumping water level 170 feet at 5 gal. per min.

How tested: bailer test

Length of test 60 min.

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

(over)

File No.

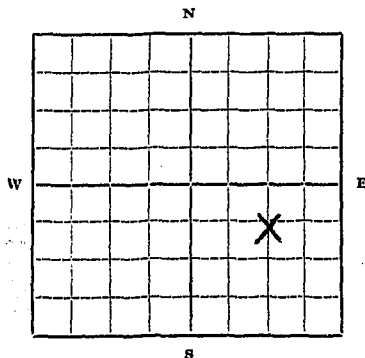
DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

T. 7 N E 34
R. 28
County Musselshell
JAN 3 1964

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

1. Jim H. Brown of Roundup
(Name of Appropriator) (Address)
County of Musselshell State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE $\frac{1}{4}$ Sec. 34 T. 7 R. 28

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 1912
Continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gal per min.
~~Continuous use~~
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 1912
8. The depth of water table 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
Well 425 Ft. Deep - Cased 200 Ft.
10. The estimated amount of groundwater withdrawn each year 300,000 gallons
11. The log of formations encountered in the drilling of each well if available
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 Jim H. BrownDate December 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.

20635

169791

STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS 31 DAY OF

dec A. D. 1963

AT 5:48 O'CLOCK P.M.

WILL MATZKE

COUNTY RECORDER

Frances L. Dawson
200 DEPUTY

DEC 2 1957

County

Butte, Montana

WATER WELL LOG

Owner G. E. Turley Address Muskegon
Driller Louis Corbin Address Esage
Date Started Nov 56 Date Completed April 57
Location: Sec 21 T. 7 R. 28 1/4 sec. 28

Type of well

Water use: Domestic

Municipal

Stock

Irrigation

Industrial

Drainage 1

Other:

Casing

Casing

Casing

Perform:

Type of

Static

Shut-in:

Nummi

How te

Length

Remar

(over)

Log of Well

[illegible]

DEC 2 1957

T. 7 R. 28
County MUSSELSHELL

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

	X	

Owner Gerald E Turley Address Musselshell
Driller Self + Bill Beard Address 11
Date Started June 31 Date Completed July 31
Location: Sec. 36 T. 7 R. 28 1/4 sec. 8E

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

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

Casing: Surf ft. to 31 ft. Type Rocked Size 7 ft across
Casing: rock ft. to _____ ft. Type 3 ft Size inside rock
Casing: _____ ft. to _____ ft. Type _____ Size _____

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

Type of screen or perforations: _____

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

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

Pumping water level: 20 feet at 30 gal. per min.

How tested: by use

Length of test: 1 1/2 hours

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

(over)

[illegible]

Surface 12
12f 31
Just left

RECEIVED
DEC 2 1957

T. 7 R. 28 36
County. MUSSELSHELL

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Gerald E. Turley Address: Musselshell
Driller: Perry Miller Address: Winnett
Date Started: June 1932 Date Completed: July 1932
Location: Sec. 36 T. 7 R. 28 1/4 sec. SE

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

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

Casing: Surf ft. to 170 ft. Type: Steel Heavy Size: 6 in
Casing: _____ ft. to _____ ft. Type: _____ Size: _____
Casing: _____ ft. to _____ ft. Type: _____ Size: _____

Perforated or Screened: Ft. 20 to ft. 120 Ft. _____ to ft. _____

Type of screen or perforations: punched, torched

Static Water level, for non-flowing well: raises to about 80 ft. feet.

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

Pumping water level: 90-100 feet at 4 gal. per min.

How tested: pailing

Length of test: hours

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

(over)

Log of Well

837951

GROUNDWATER INDEX

Page / of

County Musselshell Twp. 7N Rge. 29E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
2	Bar U Bar Cattle Co.	GW4	169232	
2	" " "	GW3	169224	
3	" " "	GW4	169225	
3	" " "	GW3	169224	
3	" " "	GW3	169223	
3	" " "	GW4	169229	
3	" " "	GW4	169225	
5	Murphy, G.K.	GW4	167373	
6	" "	GW4	167370	
7	" "	GW4	167374	
7	" "	GW3	167380	
9	" " &			
	Angeline Taylor	GW4	185200	
10	" " "	GW4	185200	See Section 9
10	Angeline Taylor	57L06		
10	" "	57L06		
10	" "	57L06		
10	" "	57L06		
10	" "	GW4	165837	
10	" "	57L06		
10	" "	GW4	167370	
11	Murphy G.K.	GW4	167375	
12	Jensen, Clayton	GW2	184032	
13	" "	57L06		
14	Murphy G.K.	GW4	167369	
14	" "	GW4	167379	
15	" "	GW4	167376	
15	" "	GW4	167371	
17	" "	GW4	167372	
18	" "	GW3	167381	
19	Turley, John E.	GW4	169753	
20	" "	GW4	169754	
21	Turley, Gerald	57L06		
23	Murphy, G.K.	GW2	183682	
24	" "	GW4	167377	
24	" "	GW2	183743	
29	Turley, John	GW4	169758	
32	" "	GW4	169755	
34	Turley, Gerald	57L06		
35	" "	57L06		
36	" "	57L06		

File No.

DUPLICATE

T. 7 N 29 E 2
County Musselshell

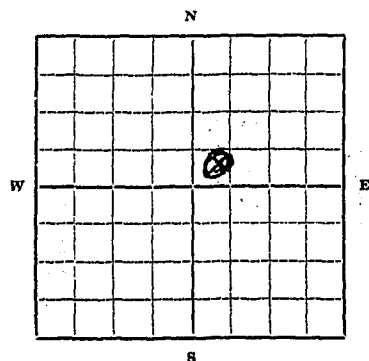
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 23 1963

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



N.E. 1/4 Sec. 2 T. 7 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 Livestock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Unknown, continuous to date
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 not used
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump jack & gasoline motor
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Unknown prior to 1950
8. The depth of water table 180 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 240' deep
2 1/2" casing
2 1/2" 1 1/4" tubing
2 1/2" 3/8" steel pump rod
2" cylinder
10. The estimated amount of groundwater withdrawn each year 30,000 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 available

Signature of Owner Bar U Bar Cattle Co

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.

11647

169232

STATE OF MONTANA, {ss.
MUSSELSHELL COUNTY.)

FILED THIS 19 DAY OF

Dec A. D. 1963

AT 2:12 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Elaine J. Gorman
DEPUTY

\$2.00

File No. _____

ORIGINAL

T. 7 R. 29

County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater unknown prior to 1950

Owner Frank B. White Address Wheatland, Mont.

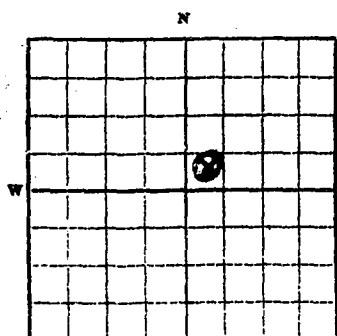
Contractor (if any) James H. Roberts

Address of Contractor Roundup, Mont.

Date Started 1961 Date Completed 1961

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

water when applicable. spring exposed out by "cut" - 10' wide, 200' long, pond storage, surface water



N.E. 1/4 Sec. 3 T. 7 R. 29

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

Estimated location 4/7/73

FL Ranch 2-16

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

tent estimate approximate lengths of periods of use _____

pond 10' wide x 150' long, 2' deep, used for storage of water year for irrigation

Signature of Owner Frank B. White

Date 10/13/63

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.

Doc. No. 8052, 169224
Filed for record
this 19th day of DECEMBER
A. D. 1963 at 2:04
o'clock P.M.

52954

STATE OF MONTANA

County of Musselshell

Charles C White having first been duly sworn, depose and say that he is of lawful age and is the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation without well and the person whose name is subscribed thereto, as the appropriator and claimant, that he know of the contents of said foregoing notice and that the matters and things therein stated are true.

Bar 21 Bar Cattle Co.
by Charles C White
(Vice-pres)

Subscribed and sworn to before me, this 19 day of December, 1963

B. H. MATZKE Clerk and Recorder
Musselshell County, Montana

Notary Public for the State of Montana.

Residing at Elmer, Montana

My Commission expires 19

168224
STATE OF MONTANA
MUSSELSHELL COUNTY
FILED THIS 19 DAY OF DEC
1963
AT 2:04 O'CLOCK P.
B. H. MATZKE
COUNTY RECORDER
Glenn J. Bassett
DEPUTY
42.00

ORIGINAL

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

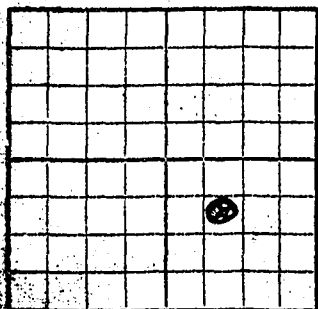
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

County Musselshell

RECEIVED
DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

Bar U Bar Cattle Co., Inc. of 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:



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

correct location
4/1/73
F-L Ranch
H.R.

2. The beneficial use on which the claim is based live stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1958
continuous to date
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gpm 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
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump jack & gasoline motor

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1957

8. The depth of water table 70 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 200 ft. deep
300 ft. - 5" casing
150 ft. - 1 1/2" tubing
150 ft. - 3/8" steel pump rod
2" cylinder

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 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 available

Doc No. 8053; 169225

Filed for record

this 19th day of DECEMBER

A. D. 1963 at 205

o'clock P.M.

Signature of Owner by: Bar U Bar Cattle Co.
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.

52,953

STATE OF MONTANA

County of Musselshell } ss.

Charles C. White having first been duly sworn, depose and say that he is of lawful age and is the appropriator and claimant of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Bar U Bar Cattle Co
by: Charles C. White
(vis-à-vis)

Subscribed and sworn to before me, this 19 day of Dec, 1963

R. H. MATZKE Clerk and Recorder
Musselshell County, Montana
Notary Public for the State of Montana.

Residing at _____

My Commission expires _____ 19____

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY }
FILED THIS 19 DAY OF Dec
AT 2:05 O'CLOCK P.M.
E. H. MATZKE
COUNTY RECORDER
E. H. MATZKE
DEPUTY
22.00

169225

GW 3

File No.

DUPLICATE

T. 7 R. 29

County Musselshell

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 unknown prior to 1950

Owner Bar U Bar Cattle Co. Address Musselshell, Mont.

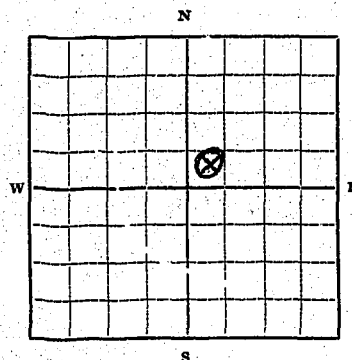
Contractor (if any) James H. Roberts

Address of Contractor Roundup, Mont.

Date Started 1961 Date Completed 1961

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

water when applicable. spring cleaned out by
"cat" - 10' wide, 200' long, pond
storage, surface water



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

pond 10' wide x 150' long, 2'

deep, used 8 mo. of each

year for stock water

Signature of Owner Bar U Bar Cattle Co.

Charles C. White

Date 12/13/63

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.

11639