646

125305

STATE OF MONTANA
County of [illegible]

Filed in the office of the County Clerk and Recorder of [illegible] State of Montana, this 31 day of Dec A. D. 19 63 at 10 25 o'clock A M.

Chas. E. Pomeroy
County Clerk and Recorder

By Marion R. James

Fee Paid $3.00

INDEXED
FILED

Helena Independent Record

File No.....

Sec. 8, T. 16 N R. 36 E.

DUPLICATE

County Garfield

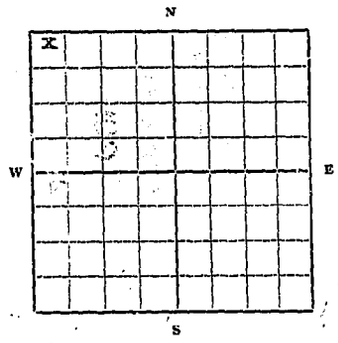
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. T. J. Haveland (Name of Appropriator), of Jordan, (Address) (Town)
County of Garfield State of Montana,
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW ¼ NW¼ Sec. 8 T. 16N R 36E

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 purposes

3. Date or approximate date of earliest beneficial use; and how continuous the use has been in the 1920s' by former owners, and has been used continuously since by former owners and myself.

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 by pump and windmill, also gasoline engine

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

8. The depth of water table 20 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled water well, 4 inch casing, 1½ inch pipe, 60 feet deep

10. The estimated amount of groundwater withdrawn each year 750,000 gallons per year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 Not available

Signature of Owner T. J. Haveland

Date December 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 School of Mines and Quadruplicate for the Appropriator.

23525

609

125268

STATE OF MONTANA }
County of Garfield }

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana, this 31 day of Dec A. D. 1963 at 9:48 o'clock A M.

Clarence E. Douglass
County Clerk and Recorder

By Marian R. Jones
Deputy

Fee Paid $ 9.00

INDEXED M

FILED Org

G

Approved Stock Form—State Publishing Co., Helena, Montana—39089

File No.....

T 16N R 36E

DUPLICATE

County Garfield

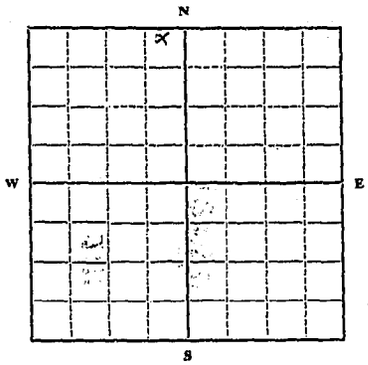
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 13 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Northern Pacific Railway Company, of N.P.Bldg. St. Paul, Minn.
(Name of Appropriator) (Address) (Town)
County of Ramsey State of Minnesota
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Near North ¼ Corner
NE¼NW¼ Sec. 9 T16N R 36E

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 1959.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 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 1959.

8. The depth of water table 40 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 120 feet deep - 4-inch casing.

10. The estimated amount of groundwater withdrawn each year

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record No other information available.

Northern Pacific Railway Company
Signature of Owner By L. H. Lutzmeyer
Dist. Supervisor, Graz. & Cult.
Date DEC 10 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.

8874

133

124629

STATE OF MONTANA }
County of Garfield }

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana, this 10 day of Dec
A. D. 1963 at 1:30 o'clock P. M.

Charles L. Benjamin
County Clerk and Recorder

By Marian K. James Deputy

Fee Paid $ 2.00

INDEXED
FILED

G

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

File No.....

T 16N R 36E

DUPLICATE

County Garfield

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

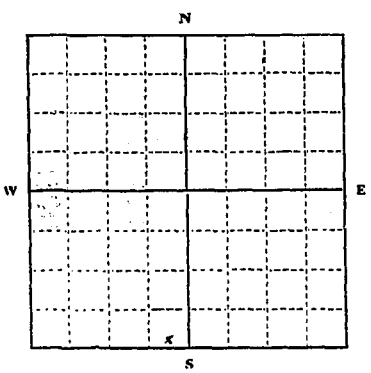
RECEIVED
DEC 30 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Northern Pacific Railway Company (Name of Appropriator), of N.P.Bldg. (Address) St. Paul (Town)

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



SE¼SW¼ Sec. 11 T16N R36E

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 1961.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 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 by 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 Well drilled in August, 1961.

8. The depth of water table 120 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 250 feet deep - 4½ 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 None available.

Northern Pacific Railway Company
Signature of Owner By Thomas Lyelland
Ass't Supervisor, Graz. and Cult.
Date Dec 27, 1963

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

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

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

14774

320

124971

STATE OF MONTANA }
County of Garfield }

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana, this 27 day of Dec A. D. 1963 at 2 o'clock P M.

[signature]
County Clerk and Recorder

By [signature] Deputy

Fee Paid $2.00

INDEXED

FILED

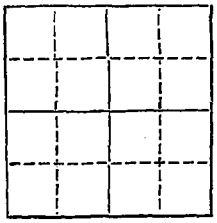
T. 16 N., R. 36E 11

County Garfield

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
SEP 13 1961
STATE ENGINEER

WATER WELL LOG



Owner Wm Dutton Address Jordan, Montana

Driller Harvey McConnell Address Roundup, Montana

Date Started Aug 5, 1961 Date Completed Aug 17, 1961

Location: Sec. 11 T. 16N R. 36E ¼ sec. SE¼SW¼

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 250 ft. Type iron Size 4 inch

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 60 to ft. Ft. to ft.

Type of screen or perforations slots

Static Water level, for non-flowing well: 165 from top feet.

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

Pumping water level feet at 12 gal. per min.

How tested: bailer

Length of test ½ hour

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

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	5	Top soil
5	14	Shale
14	16	Hard sand
16	34	Shale
34	40	Coal
40	61	Shale
60	65	Coal
65	142	Shale
142	147	Coal
147	170	Shale
170	175	Water level
170	185	Sand (water)
185	205	Shale
205	219	Sand (water)
219	230	Shale
230	245	Sand (water)
215	250	Shale

GW

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

File No.....

T. 16N R. 36E

DUPLICATE

County Garfield

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963
STATE ENGINEER

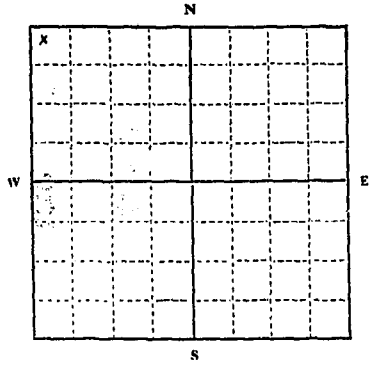
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Northern Pacific Railway Company (Name of Appropriator) of N.P.Bldg. (Address) St. Paul (Town)

County of Ramsey State of Minnesota

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



NW¼NW¼ Sec. 15 T. 16N R. 36E

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 1957.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 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 Well, drilled in July, 1957.

8. The depth of water table 15 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 41 feet deep - 5 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 None available.

Northern Pacific Railway Company
Signature of Owner By Thomas Lyckland
Asst Supervisor, Graz. and Cult.
Date Dec. 27, 1963

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

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

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

14775

321

124972

STATE OF MONTANA }
County of Garfield }

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana, this 27 day of Dec
A. D. 19 63 at 2:15 o'clock P M.

County Clerk and Recorder

By

Fee Paid $ 2.00

G

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

File No.....

T16 N R 36 E 20

DUPLICATE

County Garfield

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

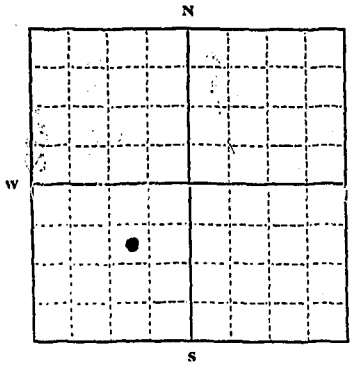
RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Hooker Cattle Co., of Jordan
(Name of Appropriator) (Address) (Town)

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



N.E. 1/4 S.W. Sec 20 T. 16 R. 36

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 June 10, 1956

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 none

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June 10, 1956

8. The depth of water table 132 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 150 ft. deep 4 in. casing cased to the bottom

10. The estimated amount of groundwater withdrawn each year 250,000 gallons per 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 none

Signature of Owner John R Hooker

Date December 25, 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.

23548

632

125291

STATE OF MONTANA }
County of Ca field }

Filed in the [illegible] of the County Clerk and Recorder of Gar[illegible] State of Montana, this 31 Dec

A. D. 19 63 10 4 A M.

Chas E Pangburn

County Clerk and Recorder

By Marian L James

Fee Paid $ 2.00

INDEXED No

FILED Yes

GROUNDWATER NDEX

County Garfield Twp. 16N Rge. 37E.

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
13	Robertson G. A.	GW-1	125031	
14	Robertson Tot	GW2	137135	
23	Northern Pacific Railway Company	GW3	124630	

GW

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

File No.....

T. 16 N R 37 E

DUPLICATE

County Garfield

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

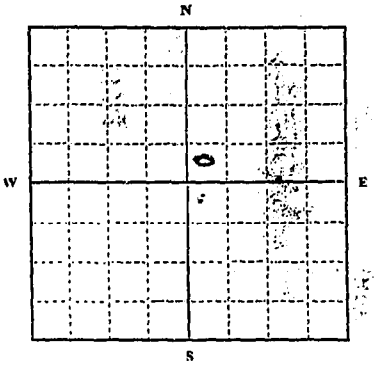
RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. G. A. Robertson, of Box 228 Jordan
(Name of Appropriator) (Address) (Town)

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



.....¼ ..... Sec. 13 T. 16 R. 37

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 1905.

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 Day unavailable, 1905

8. The depth of water table Not known

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 Depth unknown. 4in. casing, 1¼ pipe, 3 in. cyindler.

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

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 county record none.

Signature of Owner G A Robertson

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.

23288

374

125031

STATE OF MONTANA }
County of Garfield }

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana, this 30 day of Dec.
A. D. 19 63 at 9:50 o'clock A M.

County Clerk and Recorder

By Marian R. Dennis
Deputy

Fee Paid $ 2.00

INDEXED

ENTERED

GW 2 Revised 1969
STATE PUBLISHING COMPANY

MONTANA WATER RESOURCES BOARD
RECEIVED
DEC 15 1971

16N-37E
County Garfield

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner T.T. Robertson

Address Jordan
Mont.

Date well started 11-28-71

completed 11-30-71

For Administrator's Use
File 137135
December 14 1971 10:55 AM
GW 1

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

Equipment used Rotary
(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

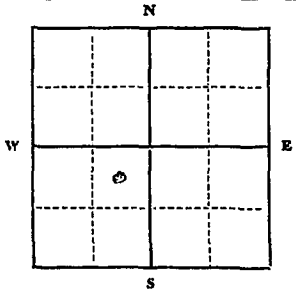
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6¼ in	4 in plastic	1	166	holes	86	166



NE ¼ SW ¼ Sec. 14
T. 16 N/S R. 37 E/W

Static water level 105 ft.*
Pumping water level 135 ft.*
at 5 gallons per minute,
measured 180 minutes after pumping began.
*Measured from ground level.
Well developed by pump
for 3 hours.
Power Pump jack HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Duane Drilling Service

Driller's Address Jordan Mont.

LICENSE NO. 29

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
1	25	sandy clay
25	29	rock
29	47	clay
47	49	rock
49	60	shale
60	64	rock
64	120	shale
120	160	sand + shale
160	166	shale

Show exact depth of bottom

49588

#876

137135

137135

STATE OF MONTANA }
County of Garfield }

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana this 14 day of Dec A. D. 19 71 at 10:53 o'clock A M.

County Clerk and Recorder

By Deputy

Fee Paid $2.00

GW 3

File No.....

DUPLICATE

T. 16N R. 37E

County Garfield

RECEIVED
DEC 13 1963
STATE ENGINEER

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)

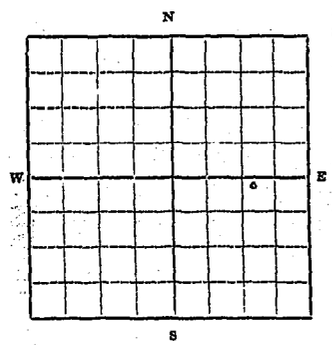
Date of Appropriation of Groundwater 1913

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

Contractor (if any) .....

Address of Contractor .....

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



NE¼SE¼ Sec. 23 T. 16N R. 37E

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

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 1913.

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 flows ½ gallon per minute.

Northern Pacific Railway Company

Signature of Owner By L. D. Lathrop
Dist. Supervisor, Graz. & Cult.

Date DEC 10 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.

8875

134

124630

STATE OF MONTANA }
County of Garfield }

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana this 10 day of Dec A. D. 1963 at 1:35 o'clock P. M.

Charles L. Vaughan
County Clerk and Recorder

By Marian R. James
Deputy

Fee Paid $2.00

GROUNDWATER INDEX

County Garfield Twp. 16N Rge. 38E.

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
3	Uthaug Earl	484	124740	
6	Robertson, G.A.	484	125030	
10	Uthaug Earl	484	124739	
12	Uthaug Earl	484	124742	
12	Uthaug Enterprises	57 Mill Log		
14	Uthaug Earl	484	124741	
18	Robertson, Pat	482	137134	
24	Snell & Sons Incorporated	484	125152	
30	Edwards, Inc.	484	125306	
31	Northern Pacific Railway Company	483	124634	
35	Uthaug Earl	482	128379	

GW

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

File No. ....

T. 16 N R. 38 E

DUPLICATE

County *Garfield*

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

RECEIVED
DEC 23 1963
STATE ENGINEER

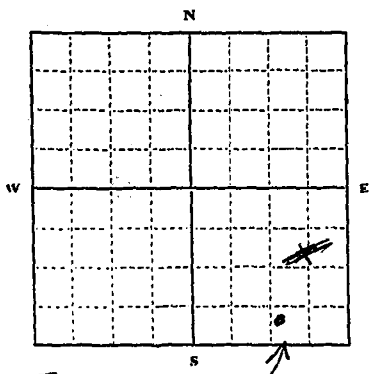
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. *Carl V. Maus* (Name of Appropriator), of *Jordan* (Address) (Town)

County of *Garfield* State of *Montana*

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



SE
SW, ~~NE~~ 1/4 SE Sec. 3 T. 16 R. 38

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*

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal *Windmill stand pipe & cylinder, Engine ...*

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 *40 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 *4" casing, 3" cylinder, 1¼" stand pipe, 80 ft drop.*

10. The estimated amount of groundwater withdrawn each year *700,000*

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 *Carl V. Maus*

Date *Dec 16, 1963*

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

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

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

11451

172

124740

STATE OF MONTANA }
County of Garfield }

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana, this 16 day of Dec.

A. D. 1963 at 11:50 o'clock A M.

Charles L. Langhorn
County Clerk and Recorder

By Marion R. Jones
Deputy

Fee Paid $ 2.00

INDEXED
FILED

GW

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

File No.....

T. 16 N R. 38 E

DUPLICATE

County Garfield

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

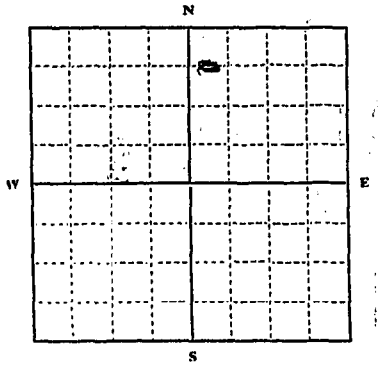
RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. G. A. Robertson (Name of Appropriator), of Box 728 (Address) Jordan (Town)

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



¼ Sec. 6 T. 16 R. 38

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 1947

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 gal. per min.

5. If used for irrigation, give the acreage and description of the 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 Day unavailable, 1947

8. The depth of water table Not known

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 Depth 85 ft. 4 in. casing 1½in. pipe. 3 in. cylinder

10. The estimated amount of groundwater withdrawn each year 1,500,000

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 county record

Signature of Owner G A Robertson

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.

20287

373

125030

STATE OF MONTANA }
County of Garfield }

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana, this 30 day of Dec.
A. D. 19 63 at 9:19 o'clock A M.

[illegible] County Clerk and Recorder

By Marian R. James Deputy

Fee. Paid $ 2.00

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

File No.....

T 16 N R 38 E

DUPLICATE

County Garfield

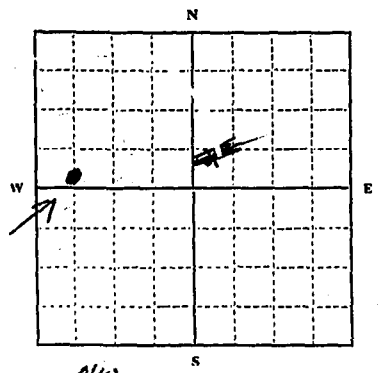
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 23 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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



SW SW NW ¼ Sec. 10 T. 16 R. 38

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 1960

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2.5 gal/min

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Stand pipe and Windmill, engine,

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

8. The depth of water table 80 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 4" casing, 275' deep,

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

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

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 Earl Williams

Date Dec 16, 1963

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

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

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

1145

171

124739

STATE OF MONTANA }
County of Garfield }

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana, this 16 day of Dec A. D. 1963 at 11:45 o'clock A M

Charles E. Vaughan
County Clerk and Recorder

By Marian R. Jame
Deputy

Fee Paid $ 2.00

MJ
CVG

GW

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

File No.....

T. 16 N R. 38 E 12

DUPLICATE

County Garfield

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

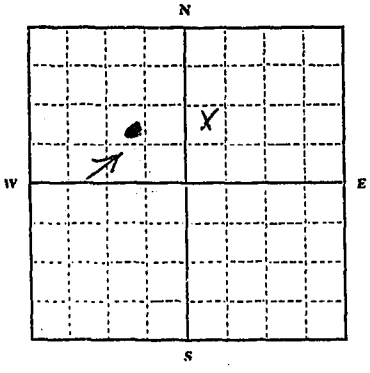
RECEIVED
DEC 23 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Carl Mhaw (Name of Appropriator), of Jordan (Address) (Town)

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



NW SE 1/4 NW Sec. 12 T. 16 R. 38

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 1958

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gal/1 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 Stand pipe, cylinder Windmill & Engine

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

8. The depth of water table ~~74~~ 75 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 4" Casing, 180' deep,

10. The estimated amount of groundwater withdrawn each year 20,000 gal

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 Carl L Mhaw

Date Dec. 16, 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.

11453

174

124742

STATE OF MONTANA }
County of Garfield }

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana, this 16 day of Dec A. D. 19 63 at 12:00 o'clock A M.

Charles E. Vaughan
County Clerk and Recorder

By Marian K James
Deputy

Fee Paid $ 2.00

RECEIVED
MAY 8 1958
STATE ENGINEER

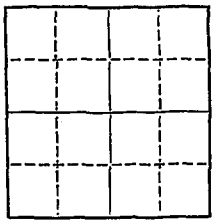
12

T. 16N R. 38E

County Garfield

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Chris Uthaug Address Jordan, Montana

Driller W. Shows Address Texas

Date Started 3/24/58 Date Completed 3/24/58

Location: Sec. 12 T. 16N R. 38E ¼ sec. NE¼

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 250 ft. Type iron Size 4 inch

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 45 to ft. Ft. to ft.

Type of screen or perforations ½ x ½ inch perforation

Static Water level, for non-flowing well: 72 ft feet.

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

Pumping water level 80 feet at 6½ gal. per min.

How tested: pump

Length of test 2 days

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	23	Brown Sandy Clay
23	31	coal lignite
31	68	Blue shale
68	74	Coal lignite
74	111	Blue shale
111	116	Sandy shale
116	121	Hard rock
121	190	Blue shale
190	235	Water sand
235	255	Blue shale

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

File No..............................

T. 16 N R. 38

DUPLICATE

County. Garfield

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 23 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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

[Section grid diagram, N/S/E/W, with X marked in SW¼ of NE¼ of SW¼]

SW NE¼ SW Sec. 14 T. 16 R. 38

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 1959

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Stand pipe Windmill & engine

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1959

8. The depth of water table 80 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 4" casing, 225 ft deep,

10. The estimated amount of groundwater withdrawn each year 720000

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 Carl P. Mathews

Date Dec 18, 1963

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

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

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

11452

173

124741

STATE OF MONTANA
County of Garfield

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana, this 16 day of Dec

A. D. 19 63 at 11:55 o'clock A M.

Charles E. Vaughan
County Clerk and Recorder

By Marian L. [illegible]
Deputy

Fee Paid $ 2-00

GW 2 Revised 1969
STATE PUBLISHING COMPANY

16N-38E 18

MONTANA WATER RESOURCES BOARD
RECEIVED
DEC 15 1971

County Garfield

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Tat Robertson

Address Jordan Mont.

Date well started 11-21-71

completed 11-23-71

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

Equipment used rotary (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

For Administrator's Use

File 137134
December 14, 1971
10:50 Am

GW 1

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6¼ in.	4 in plastic	1	62	holes	17	62

N / W / E / S

Static water level 20 ft.*
Pumping water level 43 ft.*
at 6 gallons per minute,
measured 120 minutes after pumping began.
*Measured from ground level.
Well developed by pump
for 2 hours.
Power Pump jack HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

SE¼ NE¼ Sec. 16
T. 16 N/S R. 36 E/W

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

Driller's Signature Duane Drilling Service

Driller's Address Jordan Mont.

LICENSE NO. 29

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
1	17	SAND & CLAY
17	21	GRAVEL
21	45	SAND & SHALE
45	62	SHALE

Show exact depth of bottom

49589

#1875

137134

137134

STATE OF MONTANA }
County of Garfield }

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana this 14 day of Dec A. D. 19 71 at 10:50 o'clock A M.

Charles E. [illegible]
County Clerk and Recorder

By [illegible]
Deputy

Fee Paid $ 2.00

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

G\ 24

File No.....

T 16N R 38E

DUPLICATE

County Garfield

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

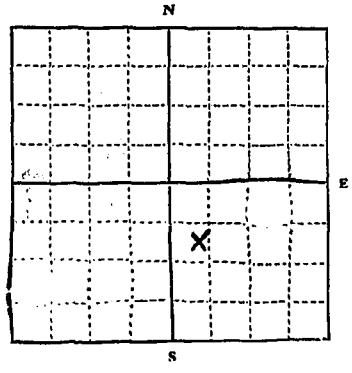
RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Snell & Sons Inc., of Jordan
(Name of Appropriator) (Address) (Town)

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



NW¼SE Sec. 24 T16N R38E

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 Water for drilling operations - Stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Aug 30, 1948 for oil well drilling - Stock water Approx. July 1, 1953 Well used Intermittently throughout Year

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 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 Applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Water is withdrawn by drop pipe & submersible pump with electric motor - NW¼SE Sec. 24 - T16N R38E

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started Drilling July 25, 1948 Completed Aug. 17, 1948

8. The depth of water table Water raises to approximately 300' of surface

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Tubular well Cased with 6 3/8" casing. Drilled to 1507'. Plugged back at 980' - Gravel 980-968' - Cement 968 - 957'. Well pumped at rate of 50 bbl. per hr.

10. The estimated amount of groundwater withdrawn each year 781,000 gallons

11. The log of formations encountered in the drilling of each well if available Possible water sands -

65 to 80'	435 to 450'	670 to 710'
130 to 180'	455 to 505'	785 to 890'
240 to 255'	610 to 630'	920 to 940'

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 conveyance record

Signature of Owner Snell & Sons
By W. Carter Snell (Pres.)
Date Dec. 26, 1963

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

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

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

23409

495

125152

STATE OF MONTANA
County of Garfield

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana, this 30 day of Dec
A. D. 19 63 at 11:53 o'clock P M.

County Clerk and Recorder

By Deputy

Fee Paid $ 2.00

INDEXED

FILED

GW

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

File No.

T 16 N R 38 E 30

DUPLICATE

County Garfield

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

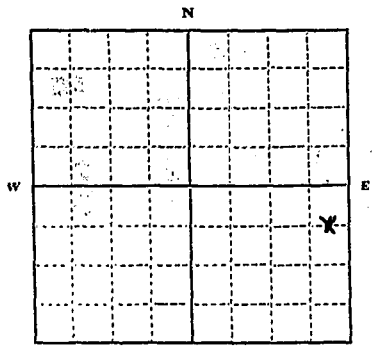
RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Fred Edwards (Name of Appropriator), of Jordan (Address) (Town)

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



¼ Sec. 30 T 16 R 38

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 use

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) about 7 gpl

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 Windmill

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

8. The depth of water table 150

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 depth - 4" casing

10. The estimated amount of groundwater withdrawn each year 200000

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 Fred Edwards

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.

23563

647

125306

STATE OF MONTANA
County of Garfield

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana, this 31 day of Dec A. D. 19 63 at 10:36 o'clock a. M.

Clara E. Dansmore
County Clerk and Recorder

By Marian R. Janssen
Deputy

Fee Paid $ 3.00

INDEXED M R

FILED Cup

GW-3 Approved Stock Form—State Publishing Co., Helena, Montana—39318 31

File No.......................... T. 16N R.38E

DUPLICATE County Garfield

RECEIVED
DEC 13 1963
STATE ENGINEER

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 1913.

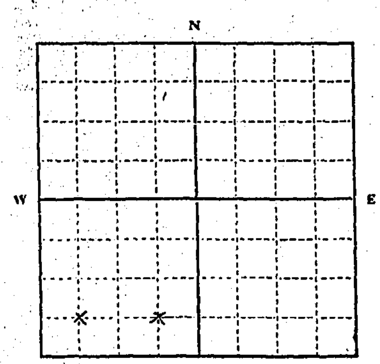
Owner Nor.Pac.Ry. Co. Address St. Paul, Minn.

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 2 springs, used since 1913.



SE¼SW¼ & SW¼SW¼ ¼ Sec. 31 T. 16N R. 38E

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 Each spring runs 1 gallon per minute.

Northern Pacific Railway Company

Signature of Owner [signature]

By Dist. Supvr, Graz. & Cult.

Date DEC 10 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.

8879

138

124634

STATE OF MONTANA }
County of Garfield }

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana, this 20 day of Dec.

A. D. 1963 at 1:55 o'clock P. M.

Charles E. [illegible]
County Clerk and Recorder

By Marian [illegible]
Deputy

Fee Paid $2.00

INDEXED [illegible]
FILED [illegible]

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4232. 3

File No.....

T. 16 N R. 38 E 35

DUPLICATE

County Garfield

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 14 1965
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Carl Uthemann Address Jordan, Mont.

Driller Frank Deaver Address Jordan, Mont.

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

Date well started..... Date completed 7-8-65

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

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

LOG

Top of Ground

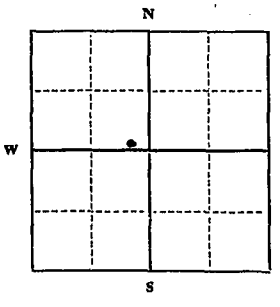
(Elev. above sea level.....)

0 – 1 soil
1 – 12 clay
12 – 21 shale
21 – 23 coal
23 – 140 shale
140 – 142 rock
142 – 295 shale
295 – 345 sand

Show exact depth of bottom.

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 Size	From (Feet)	To (Feet)
6"	4" 9.5 D	1	345	3 in. slot	285	345



SE ¼ NE Sec. 35 T. 16 R. 38

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

Static Water Level for non-flowing well 250 feet.

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

Pumping Water Level 315 feet at 4 gal. per minute.

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

How Tested pump

Length of Test 24 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff).....

.....

.....

.....

.....(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

.....

.....

.....

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

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

29
Driller's License Number

Frank Deaver
Driller's Signature

29289

808
128[illegible]

STATE OF [illegible]NA }
County of [illegible]

Filed in the office of the [illegible] Clerk and Recorder of Garfield County [illegible] of Montana this 12th day July A. D. 1965 at 10 [illegible] A. M.

Charles E. [illegible]
County Clerk and Recorder

By ______________________
Deputy

Fee Paid $ 2.00

M.Q.
C.E.

GROUNDWATER INDEX

County Garfield Twp. 16N Rge. 39E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
3	Nelson M L.	484	124982	
4	Kirby Bow Jack.	484	124901	
6	Uthlaug Earl	484	124743	
6	Uthlaug Livestock Company	57 Stock Dog		
7	Northern Pacific Railway Co.	484	124638	
7	Snell & Sons Incorporated	484	125150	
8	Snell & Sons Incorporated	484	125146	
11	Nelson M L.	484	124983	
13	Nelson Neil A. or Nelson	484	125063	
18	Snell & Sons Incorporated	484	125149	
20	Snell & Sons Incorporated	484	125151	
24	Nelson Neil A. or Nelson M	484	125062	
29	Snell & Sons Incorporated	484	125147	

GV

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

File No.....

T. 16 N R. 39 E

DUPLICATE

County Garfield

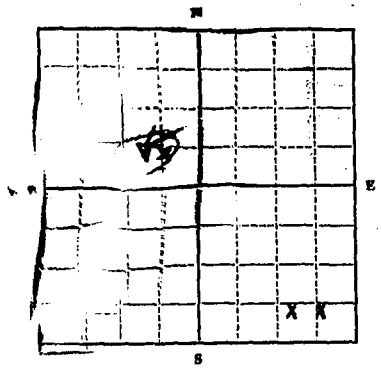
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. M. E. Nelson, of Jordan
(Name of Appropriator) (Address) (Town)
County of Garfield State of Montana have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE. 1/4 Sec. 3 T. 16 N R. 39 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 Home uses and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1904 - No 1. 1904 - No 2. Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) (No. 1.) 6 gal (No. 2) 6 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 2 acres yard and garden
M. E. Nelson

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

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 8'

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 No. 1 Dug well 4' across 18 Deep
No. 2 Dug well 5' across 18' Deep

10. The estimated amount of groundwater withdrawn each year 3,110,400

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 M E Nelson

Date 12-26-63

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.

14785

331

124982

STATE OF MONTANA
County of Garfield

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana this 27 day of Dec. A. D. 19 63 at 3:05 o'clock P M.

Charles E. Pangburn
County Clerk and Recorder

By Mercedes B. James
Deputy

Fee Paid $ 2.00

Indexed ML
Filed Clug

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42294

File No.....

T. 16 N R. 39 E

DUPLICATE

County Garfield

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

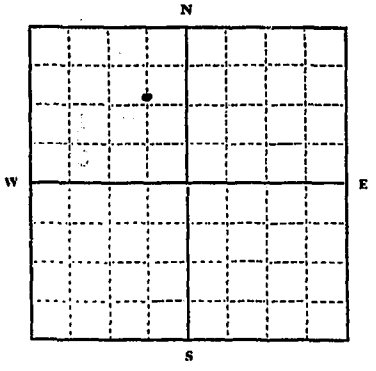
RECEIVED
DEC 30 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Lem Jack Kelly, of Jordan
(Name of Appropriator) (Address) (Town)

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



¼ Sec. 4 T. 16 R. 39

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 & personal

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 45 yrs old

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 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 Electricity & pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 45 yrs old

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 120 ft.

10. The estimated amount of groundwater withdrawn each year 1,100,000 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 none

Signature of Owner Lem Jack Kelly

Date 12/26/63

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.

1474 a

286

124901

STATE OF MONTANA }
County of Garfield }

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana, this 26 day Dec.
A. D. 19 62 at 9:30 o'clock A M.

County Clerk and Recorder

By Mariam R. James
Deputy

Fee Paid $2.00

Indexed MJ
Compared CMR

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

File No. .....

T. 16 N R. 39 E

DUPLICATE

County Garfield

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

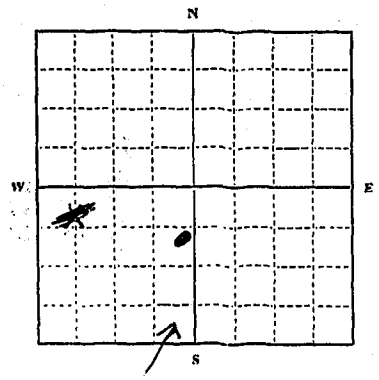
RECEIVED
DEC 23 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Carl Uthoug, of Jordan
(Name of Appropriator) (Address) (Town)

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



NE ¼ SW Sec. 6 T. 16 R. 39

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 1960

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Stand pipe & Windmill & engine

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

8. The depth of water table 75 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 4" Casing, 200 ft deep

10. The estimated amount of groundwater withdrawn each year 22,000 gal

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 Carl Uthoug

Date Dec 16, 1963

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

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

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

11454

175

124743

STATE OF MONTANA
County of Garfield

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana, this 16th day of December A. D. 1963 at 1:00 o'clock P. M.

Charles E. Langhus
County Clerk and Recorder

By _____ Deputy

Fee Paid $2.00

6

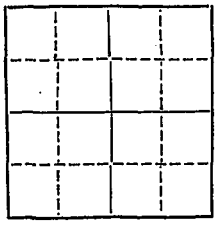
T. 16N R. 39E

County Garfield

RECEIVED
SEP 13 1961
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Uthaug Livestock Co. Address Jordan, Montana

Driller Merle Drane Address Jordan, Montana

Date Started 8/10/61 Date Completed 8/11/61

Location: Sec. 6 T. 16N R. 39E ¼ sec. NW¼

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 19½ ft. Type Iron Size 4 inch

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 165 to ft. 19½ Ft. to ft.

Type of screen or perforations Slots

Static Water level, for non-flowing well: 70-80 feet from top feet.

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

Pumping water level feet at 4 gal. per min.

How tested: bailer

Length of test 4 days

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

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
1	10	clay
10	15	Sandrock
15	50	Shale
50	54	Coal
54	80	Shale
80	95	Coal
95	165	Shale
165	194	Sand

Approved Stock Form—State Publishing Co., Helena, Montana—39089 7

File No.................................. T. 16N R. 39E

DUPLICATE County Garfield

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

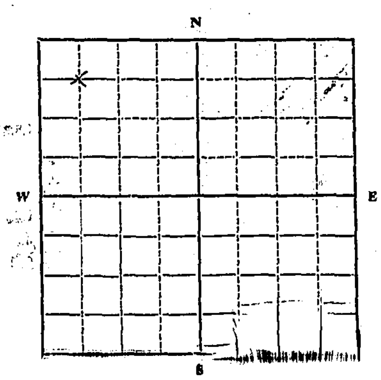
OFFICE OF STATE ENGINEER

RECEIVED
DEC 13 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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:



NW¼NW ¼ Sec. 7 T. 16N R. 39E

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 1958.

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 supplied 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 1958.

8. The depth of water table 40 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 260 feet deep.

10. The estimated amount of groundwater withdrawn each year..............................

11. The log of formations encountered in the drilling of each well if available No log available.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record No other information available.

Northern Pacific Railway Company
Signature of Owner By [signature]
Dist. Supervisor, Graz. & Cult.
Date DEC 10 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.

8883

142
124638

STATE OF MONTANA
County of Garfield

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana, this 10 day of Dec

A. D. 19 63 at 11:15 o'clock P M.

Charles E. Simpson
County Clerk and Recorder

By Marian ... Deputy

Fee Paid $ 2.00

INDEXED ...

FILED ...

STATE ENGINEER

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

File No.....

T. 16N R. 39E

DUPLICATE

County Garfield

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

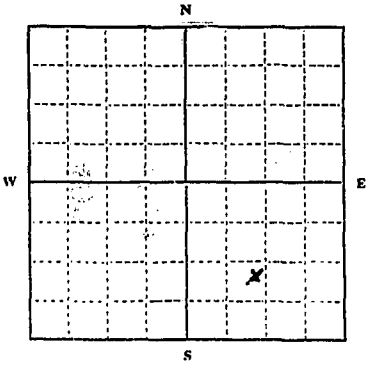
RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Snell & Sons Inc., of Jordan
(Name of Appropriator) (Address) (Town)

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



SW¼ SE Sec. 7 T 16N R. 39E

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 Dec. 21, 1951. Well is used intermittently through out the year

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Water withdrawn by windmill or pump jack and engine. SW¼ SE sec 7 T16N R39E

7. The date of commencement and completion of the construction of the well, wells or other works for withdrawal of groundwater Started Dec 8 1951 - Completed Dec 14, 1951

8. The depth of water table Water Sand at 130' and 225'

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 Type of well Cased with 4 inch black casing to a Depth of 227 ft.

10. The estimated amount of groundwater withdrawn each year 700,000 gallons

11. The log of formations encountered in the drilling of each well if available 10' Surface Soil - 20' Yellow Clay - 40' Sand - 50' Blue Shale - 130' Water Sand - 225' Water Sand

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

Signature of Owner Snell & Sons
B.W. Carter Snell (Pres)
Date Dec. 26, 1963

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

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

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

23407

493

125150

STATE OF MONTANA
County of Garfield }

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana this 30 day of Dec.
A. D. 19 63 at 11:30 o'clock A.M.

County Clerk and Recorder

By Deputy

Fee Paid $ 2.00

INDEXED

FILED

G\

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

File No.

T. 16N R. 39E

DUPLICATE

County Garfield

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

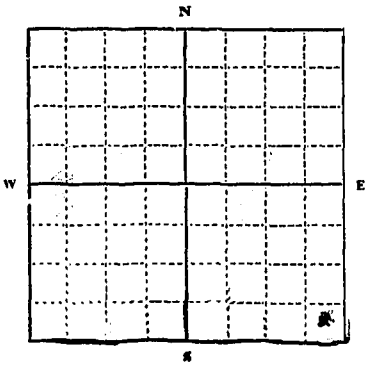
RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Snell & Sons, Inc, of Jordan
(Name of Appropriator) (Address) (Town)

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



SE ¼ SE Sec. 8 T 16N R 39E

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 March 1, 1951. Well is used intermittently straugh out the year.

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump jack and Electric motor SE¼ SE Sec 8 T16N R39E

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Date of drilling of original well unknown. New well at same location started April 6, 1959. Completed April 8, 1959

8. The depth of water table Water sand from 95' to 105'

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 Tubular well cased with 4 inch black casing to a depth of 105'

10. The estimated amount of groundwater withdrawn each year 450,000 gallons

11. The log of formations encountered in the drilling of each well if available 1' to 10' clay - 10' to 85' shale - 85' to 95' Coal - 95' to 105' sand

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

Signature of Owner Snell & Sons
by W. Carter Snell (Pres)
Date Dec, 26, 1963

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

Please answer all questions. If not applicable, so state, otherwise this 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.

3946

489

125146

STATE OF MONTANA
County of Garfield }

Filed in the office of the County Clerk and
Recorder of Garfield County, State of Montana,
this 20 day of Dec
A. D. 19 63 at 11:45 o'clock A M.

County Clerk and Recorder

By Deputy

Fee Paid $ 2.00

INDEXED

FILED

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

File No.....

T. 16 N R. 39 E

DUPLICATE

County Garfield

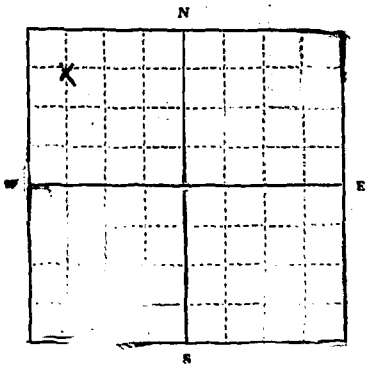
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. M E Nelson (Name of Appropriator), of Jordan (Address) (Town)
County of Garfield State of Montana have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW¼ sec. 11 T. 16 N R. 39 E

Indicate point of appropriation and place of use, if possible. Each small square represents 40 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 1904 continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 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 not for irrigation

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

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

8. The depth of water table 5'

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 dug well 7' across 18' deep.

10. The estimated amount of groundwater withdrawn each year 1,555,200

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 M E Nelson

Date 12-26-63

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.

14786

332

124983

STATE OF MONTANA }
County of Garfield }

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana this 27 day of June A. D. 1943 at 3:10 o'clock P M.

Chas. E. Vaughan
County Clerk and Recorder

By Marion B. James
Deputy

Fee Paid $ 2.00

INDEXED MJ

FILED