

File No.

T. 18 N. 38 E.

DUPLICATE

County

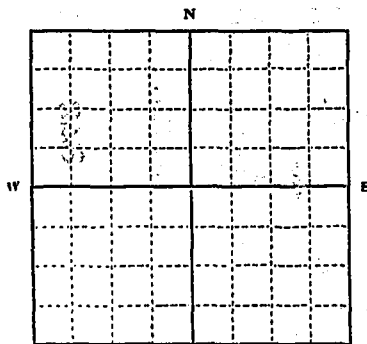
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Finley A. Young, 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:



Lot 4 Block 5 Attix Add-
1/4 Sec. 17 T. 18 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 House
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1954
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 gal per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Electric Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1954
8. The depth of water table 35'
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.
220' 80' 8 1/2" Pipe
140' 8 1/2" "
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 The estimated amount of groundwater withdrawn each year 200,000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 None Available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner Finley A. Young

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.

23286

372

125029

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 July

A. D. 19 63 at 9:45 o'clock A. M.

Charles E. Rogers
County Clerk and Recorder

By Maria H. Jones
Deputy

Fee Paid \$2.00

RECORDED ml
FILED clp

File No.

DUPLICATE

T. 18^N R. 38^E 17

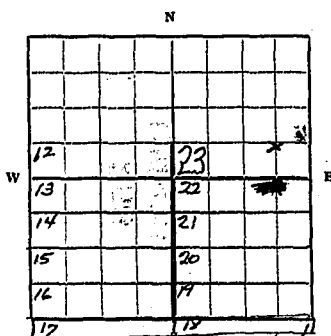
County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

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

1. Ira Brown 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:



Lot 23, Block 14, Henderson
Addition, Jordan, Montana
1/4 Sec. 17 T. 18 N. R. 38 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 Irrigation, stock water, Household and other domestic purposes.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1940 and continuously since that date.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 4 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Lots 12 through 23 inclusive, Block 14, of the Henderson Addition to the Town of Jordan, Montana.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric motor

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater August, 1940
8. The depth of water table surface (flowing well)
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 is app. 150 feet; d. 3 inch pipe
10. The estimated amount of groundwater withdrawn each year 30,000 gallons
11. The log of formations encountered in the drilling of each well if available Not available. It was not customary at the time of drilling of the above well to furnish a log of formation.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record unknown

Signature of Owner Ira Brown

Date Dec. 23, 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.

258
124873

STATE OF MONTANA }
County of Garfield

Filed in the office of the County Clerk and
Recorder of Garfield County, State of Montana,
this 23 day of Nov

A. D. 1963 at 2:25 clock P M.

Charles E. Rayburn
County Clerk and Recorder
By Marion R. Jones
Deputy

Fee Paid \$ 2.00

INDEXED mf
FILED mf

File No. _____

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

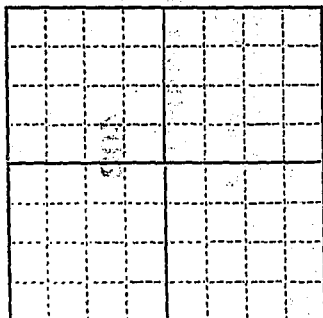
T. 18 N. R. 38 E. 17
County SanfieldRECEIVED
JAN 6 1964

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Hubert Holland, of Jordan Mont Lot 11 Blk 2
(Name of Appropriator) (Address) (Town)
County of Sanfield State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 11 - Block 2 Panwitz
Addition Sec. 17 T. 18 N. R. 38 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 House Use3. Date or approximate date of earliest beneficial use; and how continuous the use has been Oct 18 - 19464. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Oct 17 - 1946 - Oct 18 - 19468. The depth of water table 150 ft 30'9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 150' deep 2 1/2" casing10. The estimated amount of groundwater withdrawn each year 400,00011. The log of formations encountered in the drilling of each well if available
20 ft sand & gravel 4 ft shale 10 ft coal 85 ft shale & Hard shale
150 shale & sand12. 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 noneSignature of Owner Hubert HollandDate Dec 30 1963

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

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

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

23316

RECEIVED

OFFICE OF THE CLERK AND
RECORDS OF GARFIELD COUNTY

RECEIVED

CIVIL DIVISION

402

125059

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 Nov

A. D. 1963 at 12:18 o'clock A M.

Charles E. Langness
County Clerk and Recorder

By Marian H. James
Deputy

Fee Paid \$ 2.00

INDEXED 72
FILED 60

File No. _____

DUPLICATE

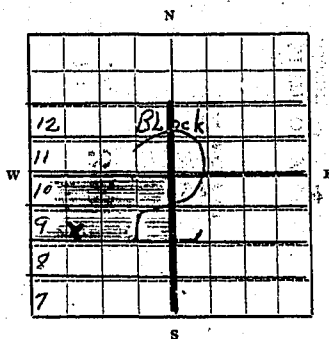
County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

RECEIVED
DEC 30 1963
STATE ENGINEER

1. Emily J. Milroy, 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:



Lot 9, Block 2, Panwitz
Addition to Town of Jordan,
Montana, Sec. 17, T. 12N. R. 38E
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 Irrigation,
household and other domestic purposes
3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been July, 1945, and continuously
since that date.
4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 3 gallons per minute
5. If used for irrigation, give the acreage and description of the
lands to which water has been applied and name of the owner
thereof Lots 9 & 10, Block 2, of the Panwitz Addition
to the Town of Jordan, Montana; Owners- Emily J.
Milroy and Helen Milroy, as joint tenants with right
of survivorship.
6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal by pump and
electric motor
7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater July, 1945.
8. The depth of water table 25 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 well, 1 1/2 inch pipe, 325 feet deep.
10. The estimated amount of groundwater withdrawn each year 15,000 gallons
11. The log of formations encountered in the drilling of each well if available
Not available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record unknown

Signature of Owner

Date

Emily J. Milroy
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 School of Mines and Quadruplicate for the Appropriator.

14778

324

124975

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. 1913 at 2:30 o'clock P M.

Charles E. Pugh
County Clerk and Recorder

By Marian H. Jones
Deputy

Fee Paid \$ 2.00

mj
ccp

File No. _____

T. 18 N 38 E

DUPLICATE

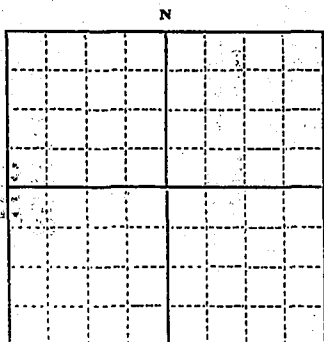
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

County _____
RECEIVED
JAN 6 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Pearl + Blanche Pangburn 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:



Lot 11 - Block 8 Attn: Add-
ition Sec 17 T. 18 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 Home use

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) 4 gal per minute

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1947

8. The depth of water table 20'

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 180' 4" casing

10. The estimated amount of groundwater withdrawn each year 120,000

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 Pearl Pangburn
Blanche Pangburn

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.

23415

501
125158

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 11:58 o'clock P. M.

Chas. E. Dugan
County Clerk and Recorder

By Thasie A. Dugan
Deputy

Fee Paid \$ 2.00

INDEXED mf
FILED mf

RECORDED

INDEXED

File No.

DUPLICATE

T. 18 N R. 38 E S. 17
County.

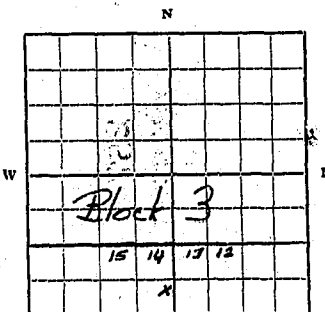
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

RECEIVED
DEC 30 1968
STATE ENGINEER

1. Margaret L. Rhoads, 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:



Lot 14, Block 3, Hendersons
Addition, Jordan, Mont
1/4 Sec. 17, T. 18 N. R. 38 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 Irrigation,
household and other domestic purposes
3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been 29 years ago, and continuously
since that date.
4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 4 gallons per minute
5. If used for irrigation, give the acreage and description of the
lands to which water has been applied and name of the owner
thereof Lots 12, 13, 14, and 15, Block 3, of the
Henderson Addition to the Town of Jordan, Montana;
6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal electric motor

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater 1934

8. The depth of water table 200 ft. 17 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 depth is app. 250 feet; 2 inch pipe;

10. The estimated amount of groundwater withdrawn each year app. 30,000.00 gallons.

11. The log of formations encountered in the drilling of each well if available
Not available: It was not customary at the time of the drilling
of above well to furnish a log of formation.

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

Signature of Owner Margaret Rhoads

Date December 23, 1968.

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.

257
124372

STATE OF MONTANA }
County of Garfield

Filed in the office of the County Clerk and
Recorder of Garfield County, State of Montana,
this 23 day of Dec

A. D. 1943 at 2:20 o'clock P M

Charles P. Thompson
County Clerk and Recorder
by Marion A. Gessner
Deputy

Fee Paid \$ 2.00

INDEXED
FILED

File No. _____

T 18N R 39E

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

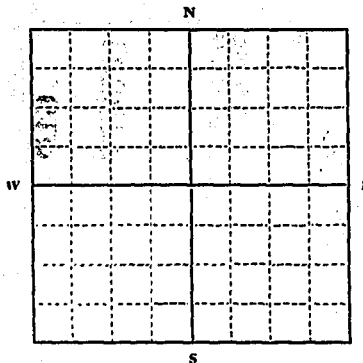
RECEIVED
JAN 6 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. (Mrs.) Esther C. Crull, of _____
(Name of Appropriator) (Address) (Town)
County of _____ State of _____
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 17 T. 18N 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 for home
and garden.

3. Date or approximate date of earliest beneficial use; and how continu-
ous the use has been about 1956

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

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

6. The means of withdrawing such water from the ground and the loca-
tion of each well or other means of withdrawal electric
pump, located on the
East Henderson Addition
Town of Jordan

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

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 4 inch pipe (standard)

Dug well, depth about 160 feet

10. The estimated amount of groundwater withdrawn each year.

11. The log of formations encountered in the drilling of each well if available True log
is not available at time of filing

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 Esther C. Crull

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.

23534

618

125277

STATE OF MONTANA }
County of Garfield

Filed in the _____ of the County Clerk and
Recorder of Garfield County, State of Montana,
this _____ day _____ A. D. 19____

A. D. 19____ at _____ o'clock _____ A. M.

Charles E. Thompson
County Clerk and Recorder
By Marian R. Jones Deputy

Fee Paid \$ 2.00

INDEXED [Signature]
FILED [Signature]

File No.

DUPLICATE

T. 12N R. 38E

County Garfield

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

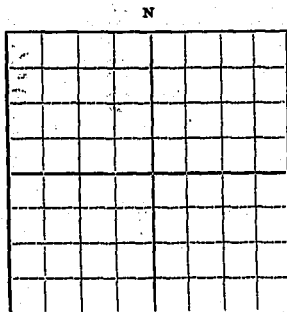
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1951)

STATE ENGINEER

1. Mrs. Winnie Davenport of Box 204 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:



2. The beneficial use on which the claim is based used in
household & garden irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1950

4. The amount of groundwater claimed (in miner's inches or gallons per minute) all in the well -
50 gallons

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 1/2 of 3 or 5 cats
all of 5 cats.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1950

8. The depth of water table 13' -

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 130' 4 in casing

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

Date 12-31-63

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 School of Mines and Quadruplicate for the Appropriator.

23686

770

125429

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 o'clock P. M.

County Clerk and Recorder

By *Marianne R. [Signature]*
Deputy

Paid \$ 2.00

RECORDED
FILED

File No. OCT 25 1965
 Billie _____ McDermott _____
 Duplicates in _____ McNulty _____
 Coyle _____ Morton _____
 Darlington _____ Sullivan _____
 Dickert _____

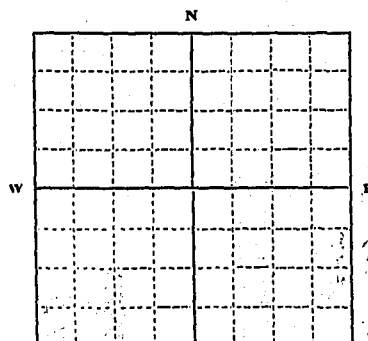
T 18N R 38E
 County Garfield

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ruby E. Ewell & Son, 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:



LOT 16 BLOCK 6 ATTIX ADD.
Sec 17 T 18N R 38E

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 1957
Continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 gal per day
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
water lawn
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1957
8. The depth of water table 186'
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 186'
1 1/2" Plastic Pipe
10. The estimated amount of groundwater withdrawn each year 36,500
11. The log of formations encountered in the drilling of each well if available not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Ruby E. Ewell
 Date Oct. 21, 1965

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

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

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

59719

811
128764

STATE OF MONTANA }
County of Garfield }

Filed in the office of the County Clerk and
Recorder of Garfield County, State of Montana,
this 21st day of October

A. D. 1965 at 3:00 o'clock P. M.

Charles E. Daugherty
County Clerk and Recorder

By _____
Deputy

Fee Paid \$ 2.00

File No.

DUPLICATE

T18N R38E

County

Garfield

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

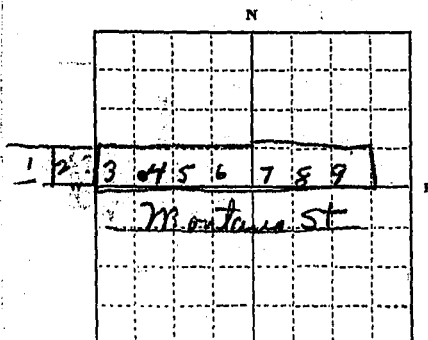
RECEIVED
JAN 6 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. M. Camille McKeever, 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:



Lot 4 in block 14
Sec 17, T18N R38E

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

Henderson add.
Jordan Mont

2. The beneficial use on which the claim is based Household
use for apt. house in Jordan

3. Date or approximate date of earliest beneficial use; and how continu-
ous the use has been. 1949 - continuous
since

4. The amount of groundwater claimed (in miner's inches or gallons
per minute). this is a flowing well &
furnishes abundant water for 6 apts
and lawn care

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

6. The means of withdrawing such water from the ground and the loca-
tion of each well or other means of withdrawal flowing
well but use pressure pump to
furnish for house use

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater. Aug. 1949

8. The depth of water table. surface flow but there is water 10-12 ft

9. So far as it may be available, the type, size and depth of each well or the general ~~approximations~~ approximations of any other
works for the withdrawal of groundwater.
drilled about 200 ft for flow

10. The estimated amount of groundwater withdrawn each year. 24,000 barrels

11. The log of formations encountered in the drilling of each well if available. This is a
commercial well and is registered in Helena as
3 near

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.
do not have this information at hand

Signature of Owner M. Camille McKeever

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.

23674

125417

Filed in the _____ of the County _____ and
Recorder of _____ County, State of _____
this _____ day of _____

A. D. 1863 at 119' above

By Marian B. Daniel Deputy

Fee Paid \$ 2.00

INDEXED *my*
FILED *Case*

File No. _____

DUPLICATE

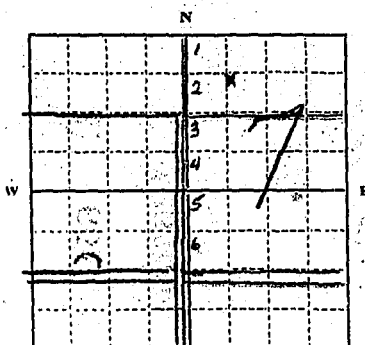
T18N R38E
County GarfieldSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERRECEIVED
JAN 6 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. JOE H. RHOADS, 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:



*Lot 2, Block 7 of the
Panwitz Addition to the
Town of Jordan, Mont.*
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.
household, irrigation, and other domestic purposes.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1952 and continuously since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 4 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
Lots 1 & 2, Block 7, of the Panwitz Addition to the Town of Jordan, Montana.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal by pump from 1952 to 1953; by electric motor from 1952 through present date.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. August, 1952.
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. drilled water well; 4 inch casing; 1 1/2 inch pipe; 220 feet deep.
10. The estimated amount of groundwater withdrawn each year. 75,000 gallons.
11. The log of formations encountered in the drilling of each well if available.
Not available.
12. Such other information of a similar nature 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: Joe H. RhoadsDate: 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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23566

E 650

125309

STATE OF MONTANA
County of C. Field

Filed in _____ of the County Clerk, and
Recorder of _____ State of Montana,
this _____ 31 _____

A. D. 1963 at _____ clock _____

Charles E. Pangburn
County Clerk and Recorder

By *Frederick X. [Signature]*
Deputy

Fee Paid \$ 2.00

INDEXED *[Signature]*
FILED *[Signature]*

File No.

T/81 R38E

DUPLICATE

County Garfield

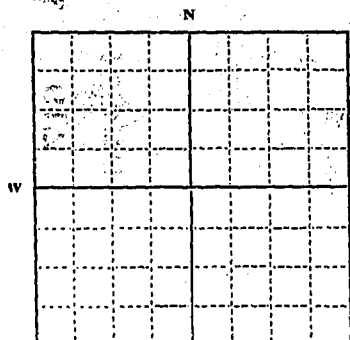
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Herman Rogge, 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:



Attix Add. to Jordan, Montana
Lot 13 of Block 3

1/4 Sec 17 T/81 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 house water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 10, 1947

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 12, 1947

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 inch casing 170 ft.

10. The estimated amount of groundwater withdrawn each year 2,150,000

11. The log of formations encountered in the drilling of each well if available 17' Top Soil - shale & gravel
25' Coal & Gray shale; 47' Blue Shale; 56' Sandy Shale - Streaks of sand; 87' Shale
112' Soft sandy shale; 117' Rock; 120' Shale 122' Sandy Shale; 146' Shale 150' Sandy
Shale; 170' Coarse Blue Sand 170' Total Depth

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

Signature of Owner

Herman Rogge
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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23533

617

125276

STATE OF MONTANA }
County of C. }
}

Filed in the _____ of the County Clerk and
Recorder of Garfield County, State of Montana,
this 31 day of Dec

A. D. 1963 at 9:54 o'clock A. M.

Charles E. Vaughan
County Clerk and Recorder

By Mareen A. Jones
Deputy

Fee Paid \$ 2.00

INDEXED mf
FILED mf

GW

Approved Stock Form—State Publishing Co., Helena, Montana—4223

File No. _____

T. 18 N. R. 38 E. 17

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

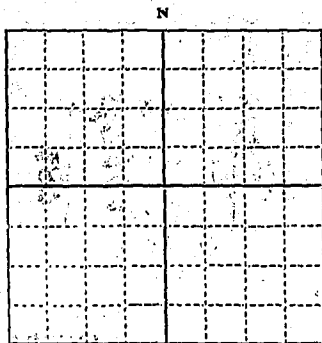
RECEIVED
JAN 6 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Chris Uthaug, of PO Box 638 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:



2 - 50' lots

1/4 Sec. 17, T. 18, 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. Domestic

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Aug. 5th 1948
In steady use ever since.

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. July 28, 1948 - July 29, 1948

8. The depth of water table. 4 to 5 ft from 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. Drilled Well 150 ft deep

10. The estimated amount of groundwater withdrawn each year. About 72,000 Gallons

11. The log of formations encountered in the drilling of each well if available. 0'-12' Topsoil - 12' 13' Gravel 13' 22' Sand 22' 65' shale 65' 66' rock 66' 140' shale 140' 150' 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. none

Signature of Owner. Chris Uthaug

Date. Dec. 30 - 1963

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

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

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

23401

487

125144

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. 1913 at 11:43 o'clock P

Charles F. Peterson
County Clerk and Recorder
Merwin A. James
Deputy

Fee \$2.00

W. J. Campbell
Clerk

File No. _____

T 18 N R 38 E

DUPLICATE

County: GARFIELD

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

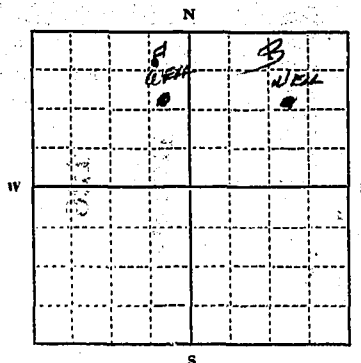
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 10 1963

STATE ENGINEER

1. SAMUEL SCHWINDT, of Box 172, 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 1/4 Sec. 18, T. 18, 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
AND HOUSE USE

3. Date or approximate date of earliest beneficial use; and how continuous the use has been WELL A DAILY 1919
WELL B DAILY 1944

4. The amount of groundwater claimed (in miner's inches or gallons per minute) WELL A 12 GAL PER MIN
WELL B " " "

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

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

WELL A STOCK USE
WELL B STOCK AND HOUSE USE

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater WELL A 1919 NOT KNOWN
WELL B 1944 MAY

8. The depth of water table WELL B 144 FT. WELL A 120 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 A 4 INCH PASTING, DRILLED STOCK 200 FT
WELL B 3 " " " " " AND HOUSE 120 FT

10. The estimated amount of groundwater withdrawn each year WELL A - 109,500 WELLS - 114,000

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

Signature of Owner

Samuel SchwindtDate Dec 6, 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.

8419

126

124597

STATE OF MONTANA }
County of Garfield }

Filed in the office of the County Clerk and
Recorder of Garfield County, State of Montana,
this 6th day of December

A. D. 1963 at 3:55 o'clock P. M.

Charles E. Pangburn
County Clerk and Recorder

By _____ Deputy

Fee Paid \$ 1.00

Indorsed WJH
Filed CHP

GW 2

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

File No.

T. 18 R. 38

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER—0000
OFFICE OF STATE ENGINEER

APR 23 1964

Notice of Completion of Groundwater Appropriation by Means of WELL ENGINEER (Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
1-10 gumbo
(Elev. above sea level 2690)
10-20 clay
20-25 sandrock
25-35 shale
35-48 coal
48-65 shale
65-192 sand

Owner Sam Schwandt Address Jordan, Mont.Driller Merle Drane Address Jordan, Mont.

Date of Notice of Appropriation of Groundwater

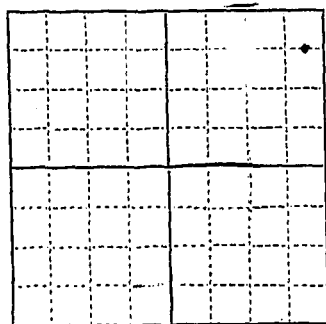
Date well started 4-10-64 Date Completed 4-10-64

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 in.	4 in. 9 1/2 lb.	1	192	slotted 3-5 in.	129	192



NW 1/4 Sec. 18 T. 18 R. 38

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

Show exact depth of bottom.

Static Water Level for non-flowing Well 60 feet.Shut-in Pressure for Flowing Well nonePumping Water Level 105 feet at 12 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested pump Length of Test 4 hr.

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

Driller's License Number

Driller's Signature

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

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

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

35620

792
126035

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 April

A. D. 1907 at 4:30 o'clock P. M.

Charles E. Sandrum
County Clerk and Recorder

By Marion T. Jones Deputy

Doc. Filed in 200

RECORDED

APR 15 1907

Office of the County Clerk and Recorder

Approved by Clerk

APPROVED BY CLERK

RECORDED

Single Index Book for recording

Single Index Book for recording

Single Index Book for recording

Single Index Book for recording

Single Index Book for recording

GW

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

File No. _____

T. 18 N. R. 38 E.

DUPLICATE

County Garfield

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

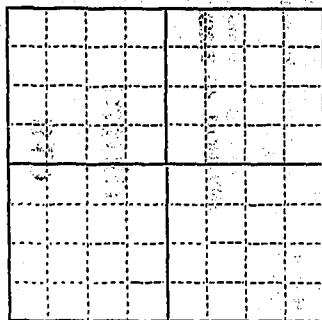
RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Charles J. Smith, of Jordan
(Name of Appropriator) (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:



Lot 2 - Block 1 Kramer Add.

NE 1/4 Sec. 12, T. 18 N. R. 38 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 House
+ Irrigation + Stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1952 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 which water has been applied and name of the owner thereof 1/4 acre
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal motor
+ pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1952
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 180' 4" casing
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 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 Charles J. Smith

Date 12-27-63

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

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

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

14764

310

124961

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. 1962 at 11:20 o'clock P M

Charles E. Ranshaw
County Clerk and Recorder

By Marion P. Jones
Deputy

Fee Paid \$ 2.00

mf
wp

File No. _____

T. 18 N. 38 E.

DUPLICATE

County Buffalo

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

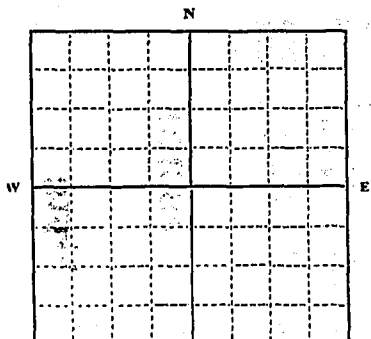
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Raymond Smith of Jordan
(Name of Appropriator) (Address) (Town)

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



Lots 5 & 6 Block 2 Kramersd.
NE 1/4 Sec. 18 T. 18 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 Stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1933

use 6 months per year

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

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

none

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

Hand pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1933

8. The depth of water table 10'

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 28' deep 4" casing

10. The estimated amount of groundwater withdrawn each year 720 gal

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner

Date

12-27-63

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

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

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

14765

311

124962

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 11:25 o'clock P M.

Charles E. Thompson
County Clerk and Recorder

By Maurice R. James
Deputy

Fee Paid \$ 2.00

m J
ens
FILED

STATE WATER CONSERVATION BOARD

File No.

T. 18 N. R. 38 E. 14

DUPLICATE

DEC 31 1965

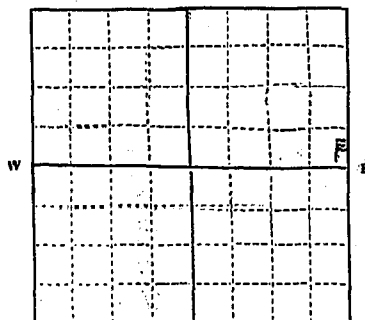
County GARFIELD

Blille _____ McDermott _____ STATE OF MONTANA
 Butcher _____ McNulty _____
 Coyle _____ Morton _____ ADMINISTRATOR OF GROUNDWATER CODE
 Darlington _____ Sullivan _____ OFFICE OF STATE ENGINEER
 Dickert _____

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. F.W. WINTER, of JORDAN MONTANA
 (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:



Block 3 Krane Addition to
 TOWN of JORDAN
 Lot 2
 1/4 Sec. 18 T. 18 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 IRRIGATION
~~& DOMESTIC USE~~
3. Date or approximate date of earliest beneficial use; and how continuous the use has been JAN. 1962
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
LOT 1 and 2, BLOCK 3, KRANER
Addn to town of Jordan, Montana
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater _____
8. The depth of water table 1 foot - to 4 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 - 270 ft depth
10. The estimated amount of groundwater withdrawn each year 2,625,000 gallons
11. The log of formations encountered in the drilling of each well if available
None
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

Date 12-30-65

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.

40229

815

129538

STATE OF MONTANA }
County of Garfield }

Filed in the office of the County Clerk and
Recorder of Garfield County, State of Montana,
this 30th day of December

A. D. 1925 at 0:15 o'clock P.M.
Charles E. Jangle
County Clerk and Recorder

By _____ Deputy

Fee Paid \$ 2.00

Form No. 18
8-60

T. 18N R. 38E

County Garfield

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 2 1962

STATE ENGINEER

Water Well Log

Owner Walter Hunter Address Jordan, Montana
Driller Merle Drane Address Jordan, Montana
Date Started 10/8/60 Date Completed 10/10/61
Location: Sec. 19 T. 18N R. 38E $\frac{1}{4}$ sec. _____

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

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

Casing: 0 ft. to 125 ft. Type iron Size 4 inch

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

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

Perforated or screened: Ft. none to ft. _____. Ft. _____ to ft. _____

Type of screen or perforations _____

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

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

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

How tested: bailer

Length of test 2 hours

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

(over)

Log of Well

[illegible]

File No.

T. 18 N. 38 E.
County GARFIELD

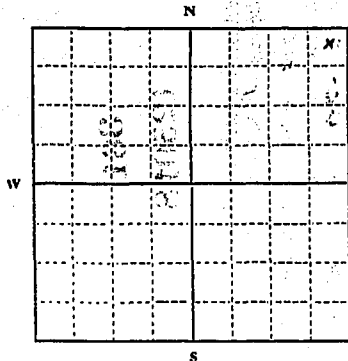
DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERRECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. WALTER S. AND FRANCES J. HUNTER, 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 1/4 Sec. 19 T. 18 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
HOUSE AND LIVESTOCK
3. Date or approximate date of earliest beneficial use; and how continuous the use has been ABOUT 1938
CONTINUOUS USE SINCE THEN
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 GAL.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
NONE
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
PUMP

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1938
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 INCH - 110 DEEP
10. The estimated amount of groundwater withdrawn each year. 300,000 GAL.
11. The log of formations encountered in the drilling of each well if available.
NAT. 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. Frances J. HunterDate. Dec 20, 1963

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

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

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

23275

361
125018

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 9:37 o'clock P. M.

Charles E. Pangborn
County Clerk and Recorder

By Marion A. James
Deputy

Fee Paid \$ 2.00

INDEXED

FILED

RECEIVED
DEC 31 1963
GARFIELD COUNTY

Form No. 18
8-60

T. 18N R. 38E

County Garfield

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 2 1962

Water Well Log

STATE ENGINEER

Owner Paul Harbaugh Address Jordan, Montana

Driller Carl Jorrel Address Miles City, Montana

Date Started 9/2/61 Date Completed 9/9/61

Location: Sec. 25 T. 18N R. 38E $\frac{1}{4}$ sec. SW $\frac{1}{4}$

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐

Casing: 0 ft. to 150 ft. Type iron Size 4 inch

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or screened: Ft. 110 to ft. 150 . Ft. to ft.

Type of screen or perforations slots

Static water level, for non-flowing well: 130 feet.

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

Pumping water level 130.15 feet at 9 gal. per min.

How tested: bailer

Length of test 2 hours

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

(over)

Log of Well

[illegible]

File No. _____

T. 18 N. R. 38 E

DUPLICATE

County Garfield

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

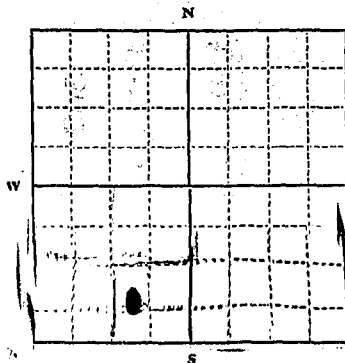
RECEIVED
JAN 6 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Paul, Cornelia & Larry Harbaugh, of Jordan
(Name of Appropriator) (Address)
County of Garfield State of Mont.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 SW 1/4 Sec. 25 T. 18 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 Drilled in 1961. Used continuously ever since
4. The amount of groundwater claimed (in million inches or gallons per minute) 150,000 gallons not 4 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner Not applicable
6. The means of withdrawing such water from the land and the location of each well or other means of withdrawal indermill SE 1/4 of SW 1/4 S 25 - 18 - E

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1961
8. The depth of water table 90 ft.
9. So far as it may be available, the size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled 4" casing depth 190 ft
10. The estimated amount of groundwater withdrawn each year 150,000 gallons.
11. The log of formations encountered in the drilling of each well if available Not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Log recorded in Garfield Co. records

Signature of Owner Paul, Cornelia & Larry Harbaugh
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.

23477

562

125220

STATE OF MONTANA }
County of Garfield

Filed in the office of the County Clerk this
Recorder of Garfield County, State of Montana,
this 31 day of Dec

A. D. 1963 at 9:00 o'clock P. M.

County Clerk and Recorder
By Thomas W. [Signature] Deputy

Fee Paid \$2.00

INDEXED
FILED

File No. _____

DUPLICATE

T. 18ⁿ R. 38^ECounty Garfield

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

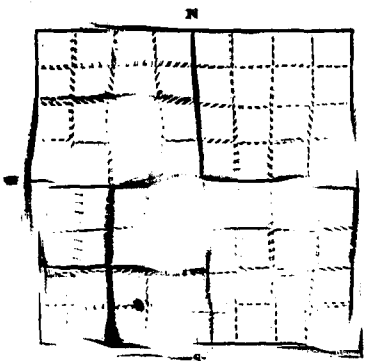
JAN 6 1964

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Paul, Cornelia and Larry Harbaugh of Jardara
(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. 14, T. 18 N. R. 38 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 Water3. Date or approximate date of earliest beneficial use; and how continuous the use has been Drilled 1927
off and on since drilled4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2.5 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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal by pump
SE 1/4 Sec. 14, T. 18 N. R. 38 E.7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 19278. The depth of water table 35 ft9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled, 4 in. casing, 120 ft10. The estimated amount of groundwater withdrawn each year 30,500 gal11. The log of formations encountered in the drilling of each well if available not available

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

Signature of Owner Paul, Cornelia & Larry HarbaughDate 12/31/63

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.

23469

555

125212

STATE OF MONTANA }
County of ... }

Filed ... of the County Clerk and
Recorder ... State of Montana,
this 31 day of Dec.
A. 3 63 8:57 Clock P. M.

Charles E. Pangburn
County Clerk and Recorder
By ...
Deputy

Fee Paid \$ 2.00

INDEXED
FILED
wf
cup

File No. _____

T. 18 N. R. 38 E.

DUPLICATE

County Garfield

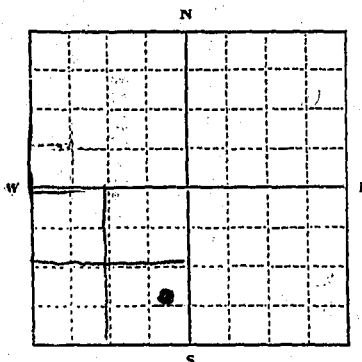
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Paul, Cornelia & Larry Harbaugh of Jordan Montana
(Name of Appropriator) (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:



SE 1/4 SW 1/4 Sec. 27 T. 18 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. Began in 1918 - Used periodically ever since
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. Not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump
SE 1/4 of SW 1/4 S 27-18-38

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1962
8. The depth of water table. 25 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. Hand dug, rock cased, 25 ft.
10. The estimated amount of groundwater withdrawn each year. 25,000 gallons.
11. The log of formations encountered in the drilling of each well if available. Not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Paul, Cornelia & Larry Harbaugh
Date Jan 31, 1964

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.

23476

561

125219

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. 1903 at 8:59 o'clock A. M.

Charles E. Payne
and order
By Marian R. Payne
Deputy

For 2 00

INDEXED

FILED

GROUNDWATER INDEX

Page 1 of 1

County Gasfield Twp. 1871 Rge. 396.

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
13	Alexander, E. L.	well log	72	
13	Riley, Edgar	484	130327	-
13	Riley, Edgar & Muriel	484	134875	-
22	William (James)	579 well log		-
22	Riley, Edgar	484	132921	-
25	Opas, Boyd	484	124732	-
28	Harbaugh, Paul	484	124330	-
29	Harbaugh, Paul, Cornelius & Larry	484	125216	-
29	Harbaugh, Paul, Cornelius & Larry	484	125215	-
30	Harbaugh, Paul	579 well log		-
30	Harbaugh, Paul, Cornelius & Larry	484	125222	-
31	Harbaugh, Paul, Cornelius & Larry	484	125218	-
31	Harbaugh, Paul, Cornelius & Larry	484	125214	-
32	Harbaugh, Paul, Cornelius & Larry	484	125221	-
32	Harbaugh, Paul, Cornelius & Larry	484	125213	-
13	Alexander, E. L.	well log		-

T. 18N R. 28-39 E.

County Garfield

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

72

WATER WELL LOG

Owner E. L. Alexander Address Jordan, Montana

Driller cannot remember Address

Date Started Date Completed

Location: Sec. T. R. ¼ sec.

Type of well Equipment used

(Dug, driven, bored, or drilled)

(Churn drill, rotary, other)

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

Other:

Casing: ft. to ft. Type Size

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 feet at gal. per min.

How tested:

Length of test

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

1 well drilled before 1925 Sec 14, Twp 18, Rge 38E, 4 inch casing.

1 well drilled before 1920, Sec 13, NWNE, Twp 18N., Rge 38E., 225 feet deep, flowing well

1 well drilled before 1930, Sec 13, Egp 18N., Rge 39E. NWNE, 4 inch casing, flowing well

1 well drilled 1923, Sec 14, SW¼NE¼, Twp 18N., Rge 38E.

Have no log on any of these wells.

GRN 47 - DRILLER
HOUSE CASE cable sheet

(over)

File No. _____

AUG 15 1966

T. 18 N R. 39 E 13

DUPLICATE

County Garfield

State of Montana
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level _____)

1-15 sand+clay
15-19 gravel
19-30 shale
30-34 coal
34-146 shale
146-151 rock
151-240 sand
240-310 shale
310-350 sand
350-370 shale
370-460 sand
460-470 shale

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

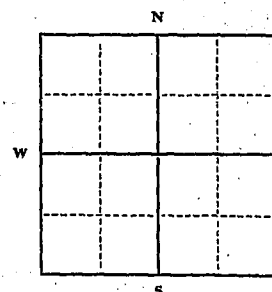
Owner Edgar Riley Address Jordan MontanaDriller Merle Drane Address Jordan Montana

Date of Notice of appropriation of groundwater _____

Date well started _____ Date completed 8-9-66Type of well drilled Equipment used rotary
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
3 3/8	2" standard pipe	1	470	1/4 x 4	365	470



NW 1/4 SW

1/4 Sec. 13 T. 18 R. 39
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well none

Pumping Water Level _____ feet at _____ gal. per minute.

Discharge in gal. per min. of flowing well 39 gal

How Tested _____

Length of Test _____

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).

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.

29
Driller's License Number

Kenneth Drane
Driller's Signature.

41038



66-3046-104

818

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

By _____ Deputy

1. ATTENTION TO MATTERS
 2. RELATIVE TO ROTARY CLUBS
 3. BEFORE APRIL 15, 1914

1940

[illegible]

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

MONTANA WATER RESOURCES BOARD

RECEIVED

FEB 9 1970

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 Edgar Riley
Muriel Riley
Address Jordan,
Montana
Date well started 9-4-69 GW 1
completed 9-8-69

For Administrator's Use

File 1348.75
Jul 3, 1970

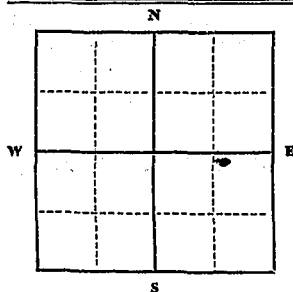
Type of well Drilled
(Dug, driven, bored or drilled)
Equipment used Rotary
(Cable drill, rotary or other)
Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☒
Industrial ☐ Fire ☐ Other ☐ Garden/Lawn ☐

*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)
4 in	4 in	0	225			
2 in	2 in	207	450	1/4" x 6"	390	450



NE 1/4 Sec. 13
T. 18 N. R. 39 E.
S W

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

Driller's Signature Carl Jemel

Driller's Address 712 Garland

mile city LICENSE NO. 35

18N-39E 13
County Garfield

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	20	Sand & Gravel
20	75	Shale
75	77	Coal
77	120	Shale
120	122	Rock
122	400	Sand
400	445	Sand
445	450	Shale

Show exact depth of bottom

842
134875
STATE OF MONTANA
County of Garfield
Filed in the office of the County Clerk and
the State of Garfield County, State of Montana,
-14- 5 day of Feb.

STATE OF MONTANA
County of Garfield

Filed in the office of the County Clerk and
Recorder of Garfield County, State of Montana,
this 3 day of Feb.

70 at 4:00 o'clock P
Charles E. Banger
County Clerk and Recorder

County Clerk and

Alpha E. Elms

200

100-443887-100

100-443887-100

1964 年 12 月 17 日

100-443887-100

100-443887-100

100-443887-100

... ..

[illegible]

2000

[illegible]

the 1990s, the number of people in the United States who are 65 years of age or older is projected to increase from 20 million to 30 million, and the number of people 75 years of age or older is projected to increase from 10 million to 15 million (U.S. Census Bureau, 1996). The number of people 85 years of age or older is projected to increase from 2 million to 4 million (U.S. Census Bureau, 1996). The number of people 90 years of age or older is projected to increase from 500,000 to 1 million (U.S. Census Bureau, 1996). The number of people 95 years of age or older is projected to increase from 100,000 to 200,000 (U.S. Census Bureau, 1996). The number of people 100 years of age or older is projected to increase from 10,000 to 20,000 (U.S. Census Bureau, 1996).

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

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1964-1965

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[illegible]

THE UNIVERSITY OF CHICAGO

...the ...

T. 18N R. 39E

County Garfield

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
AUG 2 1961

WATER WELL LOG

STATE ENGINEER

Owner James Sullivan Address Jordan, Montana

Driller Merle Drans Address Jordan, Montana

Date Started 10/59 Date Completed 10/59

Location: Sec. 22 T. 18N R. 39E 1/4 sec.

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

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

Casing: 0 ft. to 166 ft. Type iron Size 2 inch

Casing: 166 ft. to 187 ft. Type iron Size 4 inch

Casing: ft. to ft. Type Size

Perforated or Screened: ft. 166 to ft. 187 ft. to ft.

Type of screen or filter: slots

Static Water level, or flowing well: 20 ft above ground feet.

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

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

How tested: 0

Length of test: 0

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

(over)

[illegible][illegible]

File No.

MONTANA WATER RESOURCES BOARD

T. 18N R. 39E

DUPLICATE

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County Missoula

OCT 1 1968

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

LOG

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

(Under Chapter 23, Montana Session Laws, 1961)

Owner James P. Sullivan Address San Mart
Driller Harvey McConnell Address San Mart

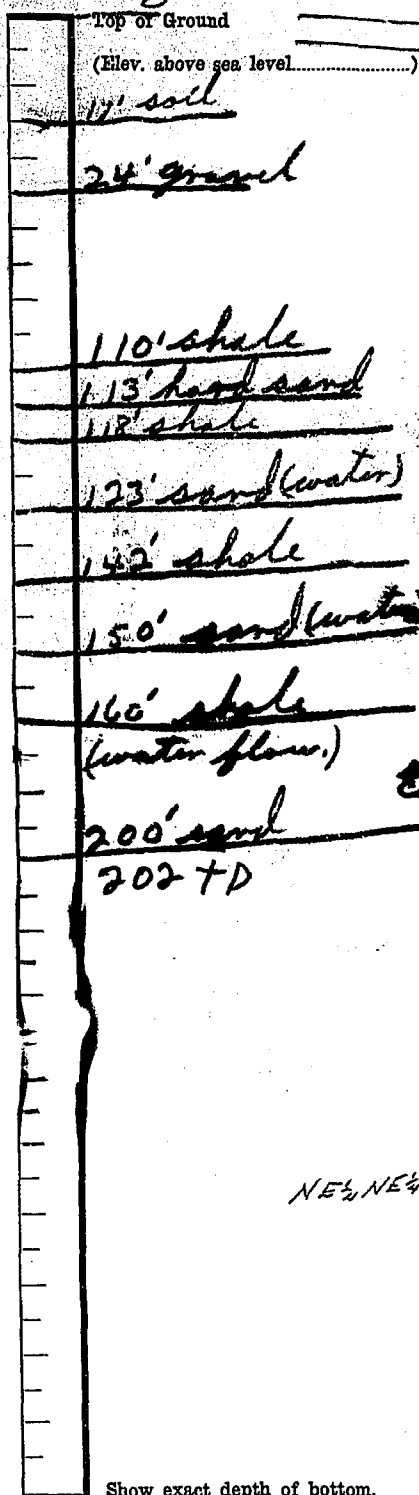
Date of Notice of appropriation of groundwater

Date well started Sept 23, 1968 Date completed Sept 23, 1968

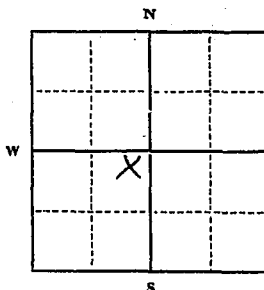
Type of well drilled Equipment used Churn drill
(Aug, driven, bored or drilled) (Churn drill, rotary or other)

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)
6"	2" I.D. 4.75#	0	140			
	2 1/2" I.D. 6.75#	140	202 1/2"	5/8" Slots	160	202
	7" O.D. 20#	0	52'			



Static Water Level for non-flowing well 52' test

Shut-in Pressure for Flowing Well

Pumping Water Level

at gal. per minute.

Discharge in gal. per min. of flowing well 10 G.P.M.

How Tested

Length of Test

Remarks: (Gravel packing, cementing, packers, type of shutoff) packed at 110 ft cemented with 11 1/4 on top of packer

NE 1/4, NE 1/4 SW 1/4, Sec. 23 T. 18 R. 39
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

livestock

Show exact depth of bottom.

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

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

Driller's License Number 43

Driller's Signature Harvey McConnell

44,613

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STATE OF MONTANA
County of Garfield

Filed in the office of the County Clerk
Recorder of Garfield County, State of Montana
this 18 day of Sept.

A. D. 1918
Charles E. [Signature]
County Clerk and
Deputy

2.00

INDEXED
FILED
[Signature]

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1918
SEP 18
GARFIELD COUNTY
MONTANA

File No.

DUPLICATE

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FEB 11 1964

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

T. 18 N. 39 E.

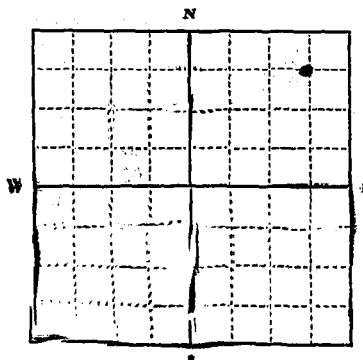
County Garfield

Section No. 1
STATE ENGINEER
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)

1. Boyd Jones, 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:



NENE 1/4, Sec. 25 T. 18 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 the claim is based on the claim

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1945

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

5. For irrigation, give the acres and description of the lands which water has been applied and name of the owner thereof

6. Who is drawing such water from the ground and the location of the well or other means of withdrawal garfield

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

8. The depth of water table 85'

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 145'

10. The estimated annual groundwater withdrawn each year 525,600

11. The log of formation enclosed in the drilling of each well if available not available

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

Signature of Owner Boyd Jones

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.

11443

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FEB 11 1924

STATE ENGINEER

RECEIVED

Division of Agricultural Lands

164
124732

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. 1923 at 11:10 o'clock A. M.
Charles B. Langham
County Clerk and Recorder
By Marion C. Larned Deputy
Fee Paid \$ 2.00

INDEXED
FILED