



T. 35 R. 26  
 County Blaine

MONTANA BUREAU OF MINES AND GEOLOGY  
 Butte, Montana

WATER WELL LOG


Owner Paul & Michel Address Turner Mont  
 Driller Hand dug Address "  
 Date Started July 1912 Date Completed July 1912  
 Location: Sec. 5 T. 35 R. 26 1/4 sec. NE

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

Water use: Domestic  Municipal  Stock  Irrigation

Industrial  Drainage  Other: \_\_\_\_\_

Casing: 18 inch Crosby type ft. to 32 ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 4 ft from bottom to ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations \_\_\_\_\_

Static Water level, for non-flowing well: 4 ft feet.

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

Pumping water level \_\_\_\_\_ feet at 28 ft. gal. per min. Not known

How tested: never tested, but can't pump dry with windmill

Length of test: on engine

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)  
Gravel packed around hole for the first 8 ft.

(over)





SCHEDULE FORMING A PART OF NOTICE OF COMPLETION OF  
GROUNDWATER APPROPRIATION BY MEANS OF A WELL

Owner: Union Bank and Trust Company and C. W. Spencer as  
Trustees under the Will of Guy Riggin, Deceased.

Address: Union Bank and Trust Company - Helena, Montana 59601  
C. W. Spencer - 425 Riverview Drive N.E., Great Falls,  
Montana 59401

Date Well Started: Sometime prior to 1942, the exact date at  
present being unknown to the owners.

The beneficial use on which this notice of completion  
and claim is based is for irrigation purposes, stock purposes  
and domestic purposes, all of which commenced and have been  
used continuously since prior to 1942.

As indicated on the form to which this Schedule is attached,  
this notice pertains to a well dug to a depth of approximately  
50 to 60 feet, serviced by a pump drawing from a 1½ inch pipe.

As also indicated on such form, the estimated annual with-  
drawal is approximately 480 acre feet.  
Such estimate has not been confirmed by well drilling or engineering  
data.

The log of formations encountered in the original drilling  
is not available at this time.

The acres and description of the lands used and usable for  
irrigation is as follows:

Township 35 North, Range 26 East M.P.M.:

Section 5: Lots 3 and 4, S½NW½ and SW½  
Section 6: All  
Section 7: All  
Section 8: W½ and NE½  
Section 18: Lot 1, NE½NW½



# 272301

STATE OF MONTANA )  
County of Blaine (

Filed for record this 27 Day  
of June 1973  
At 1:26 O'Clock P.M.

\_\_\_\_\_  
County Clerk  
Andre Stenhardt  
Deputy

Fee 2.00

SCHEDULE FORMING A PART OF NOTICE OF COMPLETION OF  
GROUNDWATER APPROPRIATION BY MEANS OF A WELL

Owner: Union Bank and Trust Company and C. W. Spencer as  
Trustees under the Will of Guy Riggin, Deceased.

Address: Union Bank and Trust Company - Helena, Montana 59601  
C. W. Spencer - 425 Riverview Drive N.E., Great Falls,  
Montana 59401

Date Well Started: Sometime prior to 1942, the exact date at  
present being unknown to the owners.

The beneficial use on which this notice of completion  
and claim is based is for irrigation purposes, stock purposes  
and domestic purposes, all of which commenced and have been  
used continuously since prior to 1942.

As indicated on the form to which this Schedule is attached,  
this notice pertains to a well dug to a depth of approximately  
50 to 60 feet, serviced by a pump drawing from a 1½ inch pipe.

As also indicated on such form, the estimated annual with-  
drawal is approximately 240 acre feet.  
Such estimate has not been confirmed by well drilling or engineering  
data.

The log of formations encountered in the original drilling  
is not available at this time.

The acres and description of the lands used and usable for  
irrigation is as follows:

Township 35 North, Range 26 East M.P.M.:

Section 5: Lots 3 and 4, S½NW½ and SW½  
Section 6: All  
Section 7: All  
Section 8: W½ and NE½  
Section 18: Lot 1, NE½NW½

# 272299

STATE OF MONTANA  
County of Blaine  
Filed for record this 29 Day  
of June A. D. 19 73  
At 1:23 O'Clock P M.

County Clerk  
Dandra Lehardt  
Deputy  
Fee 2.00



SCHEDULE FORMING A PART OF NOTICE OF COMPLETION OF  
GROUNDWATER APPROPRIATION BY MEANS OF A WELL

Owner: Union Bank and Trust Company and C. W. Spencer as  
Trustees under the Will of Guy Riggin, Deceased.

Address: Union Bank and Trust Company - Helena, Montana 59601  
C. W. Spencer - 425 Riverview Drive N.E., Great Falls,  
Montana 59401

Date Well Started: Sometime prior to 1942, the exact date at  
present being unknown to the owners.

The beneficial use on which this notice of completion  
and claim is based is for irrigation purposes, stock purposes  
and domestic purposes, all of which commenced and have been  
used continuously since prior to 1942.

As indicated on the form to which this Schedule is attached,  
this notice pertains to a well dug to a depth of approximately  
50 to 60 feet, serviced by a pump drawing from a 1½ inch pipe.

As also indicated on such form, the estimated annual with-  
drawal is approximately 240 acre feet.  
Such estimate has not been confirmed by well drilling or engineering  
data.

The log of formations encountered in the original drilling  
is not available at this time.

The acres and description of the lands used and usable for  
irrigation is as follows:

Township 35 North, Range 26 East M.P.M.:

Section 5: Lots 3 and 4, S½NW¼ and SW¼  
Section 6: All  
Section 7: All  
Section 8: W½ and NE¼  
Section 18: Lot 1, NE¼NW¼

# 272300

STATE OF MONTANA )  
County of Blaine )  
for record this 29 Day  
June A. D. 19 23  
1:54 O'Clock P M.

County Clerk  
Sandra Steinhart  
Deputy

Fee 2.00



# 272298

STATE OF MONTANA }  
County of Blaine }

Filed for record this 29 Day  
of June A. D. 19 73  
At 11:22 O'Clock P.M.

\_\_\_\_\_  
County Clerk  
Candra Lenhardt  
Deputy

Fee 2.00

SCHEDULE FORMING A PART OF NOTICE OF COMPLETION OF  
GROUNDWATER APPROPRIATION BY MEANS OF A WELL

Owner: Union Bank and Trust Company and C. W. Spencer as  
Trustees under the Will of Guy Riggan, Deceased.

Address: Union Bank and Trust Company - Helena, Montana 59601  
C. W. Spencer - 425 Riverview Drive N.E., Great Falls,  
Montana 59401

Date Well Started: Sometime prior to 1942, the exact date at  
present being unknown to the owners.

The beneficial use on which this notice of completion  
and claim is based is for irrigation purposes, stock purposes  
and domestic purposes, all of which commenced and have been  
used continuously since prior to 1942.

As indicated on the form to which this Schedule is attached,  
this notice pertains to a well dug to a depth of approximately  
50 to 60 feet, serviced by a pump drawing from a 1½ inch pipe.

As also indicated on such form, the estimated annual with-  
drawal is approximately 240 acre feet.  
Such estimate has not been confirmed by well drilling or engineering  
data.

The log of formations encountered in the original drilling  
is not available at this time.

The acres and description of the lands used and usable for  
irrigation is as follows:

Township 35 North, Range 26 East M.P.M.:

Section 5: Lots 3 and 4, S½NW¼ and SW¼  
Section 6: All  
Section 7: All  
Section 8: W½ and NE¼  
Section 18: Lot 1, NE¼NW¼

File No. ....

T 35 N., R 26 E.

DUPLICATE

County of Blaine

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

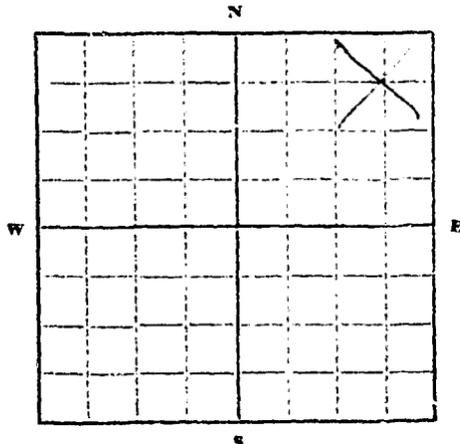
RECEIVED  
AUG 15 1963

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Riggin-Starch Farming Corporation, of Harlem  
(Name of Appropriator) (Address) (Town)  
County of Blaine State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 NE 1/4 Sec. 7, T. 35, R. 26

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 watering and garden irrigation.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been before 1942, continuous since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 36 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 three (3) wells, each with pump, located in NE 1/4 NE 1/4 of Section 7, Township 35 North, Range 26 East, M. M.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Before 1942, exact dates unknown.

8. The depth of water table 50 to 60 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 three (3) wells, dug to depth of about 50 to 60 feet, each serviced by pump drawing from 1 1/2" pipe.

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

Riggin-Starch Farming Corporation

Signature of Owner [Signature] President

Date Aug 13, 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.

5/11

250155

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 14 DAY

OF Aug A. D. 1963

AT 11:00 O'CLOCK OF A. M.

*Robert L. Musgrave*  
COUNTY CLERK

*Arthur Sheets*  
DEPUTY

FEE 2.00



251103

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 15 DAY  
OF November A. D. 1963  
AT 8:20 O'CLOCK A. M.

Carl L. Musgrave  
COUNTY CLERK  
Ernest Sheets  
DEPUTY

File No. ....

T. 35 R. 26

TRIPLICATE

County Blaine

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER  
OFFICE OF STATE ENGINEER

RECEIVED  
NOV 14 1963

Notice of Completion of Groundwater  
Appropriation by Means of Well ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Owner Kenneth Kugel Address Tanner

Driller Billings Address Hoyaland

Date of Notice of Appropriation of Groundwater .....

Date well started 11/10/63 Date Completed 11/12/63

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

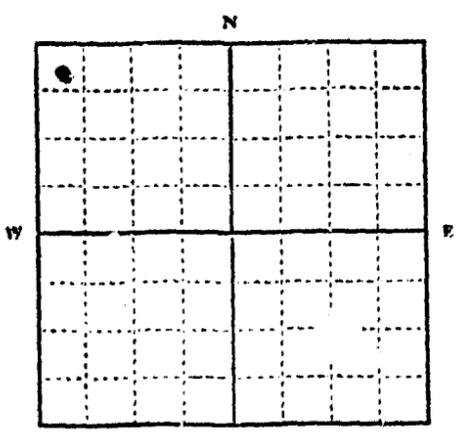
Water Use: Domestic  Municipal  Other  Irrigation   
Industrial  Drainage  Stock

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.



Top of Ground  
(Elev. above sea level 7520)

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
6"	6" x 19"	Top	90	cutting rock	33	37



N.E. 1/4 Sec. 4 T. 35 R. 26  
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 22 feet.

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

Pumping Water Level 30 feet at 70 gal. per minute.

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

How Tested Bailer Length of Test 3 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) .....

No 5  
Driller's License Number  
J. Billings  
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.

102

251083

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 13 DAY  
OF November A. D. 1923

AT 2:45 O'CLOCK P. M.

Caro L. Macgregor  
COUNTY CLERK

Arthur Sheets  
DEPUTY

FEE 2.00

RECEIVED 35226 17

DUPLICATE

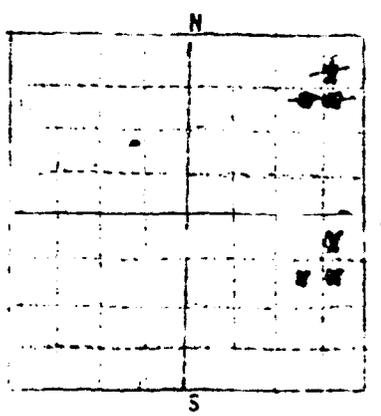
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS  
(Under Chapter 237, Montana Session Laws, 1951)

JOHN...ROMAIN....., of...901-3<sup>rd</sup> St. HAVRE.....  
(Name of Appropriator) (Address) (Town)

County of...BLAINE.....State of...MONTANA.....  
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962, as follows:



- 2. The beneficial use on which the claim is based...F&R... Household...livestock...lawns...trees.....
- 3. Date or approximate date of earliest beneficial use, and how continuous the use has been...1914.....  
.....Continuous.....
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute)...20 gallons per minute per 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...1 acre garden lawn & trees.....  
.....NE 1/4 of SE 1/4 Sec 17 - T35N - R26E.....  
.....John Romain.....

SE  
1/4 Sec 17, T35N R26E  
indicate point of appropriation  
and place of use, if possible.  
Each small square represents 1/16  
acres.

- 6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater...1914...after.....
- 7. The depth of water table...20'.....
- 8. 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...1...Shallow well...3.7' deep...Cement Casing...4 1/2" x 4 1/2".....  
.....1...do...do...4'...do...7" casing.....  
.....1...do...do...4'...do...7" casing.....
- 9. The estimated amount of groundwater withdrawn each year...300,000 gallons.....
- 10. The log of formation encountered in the drilling of each well if available.....
- 11. 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 John...Romain.....

Date...Dec 27...1963.....

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

NOTARY PUBLIC for the State of Montana  
Residing at Chiswick, Montana  
My Commission Expires December 22, 1964

Corra L. Mueggenbauer 21815

251962

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 27 DAY  
OF December A. D. 1963  
AT 4:45 O'CLOCK P. M.  
Cora L. Musgrove  
COUNTY CLERK

FEE 2.00 DEPUTY

File No. ....

T. 35 R. 26

DUPLICATE

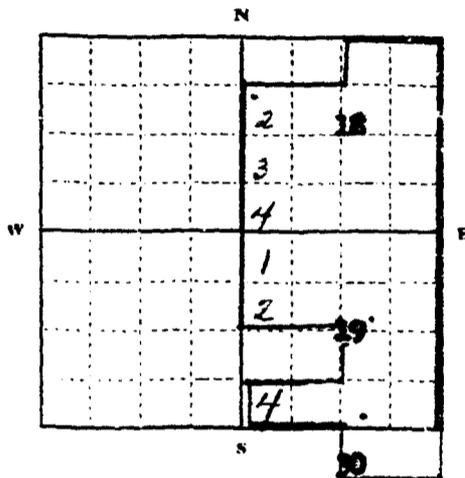
County Blaine

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. George A. Ammon of Turner  
(Name of Appropriator) (Address) (Town)  
County of Blaine State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 2 1/4 Sec. 18, 35 R. 26

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

Ranch pump. SW 1/4 of NE 1/4 SW 1/4 of SW 1/4 Sec 19 T35 R26 Owned land covered by this filing  
NE 1/4 & SW 1/4 of NE 1/4 & South Half Sec. 18 - NE 1/4 & SW 1/4 of SW 1/4 Sec 19 and NE 1/4 of NE 1/4 Sec 20  
All in T 35 R26 -

- 2. The beneficial use on which the claim is based Stockwater use
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1911 Household use intermittent. Approximate
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 Gallons per minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Unknown if used for garden irrigation but presume it was as most gardens were irrigated.
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Drawn by Pump on  
Owned land covered by this filing
- 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 About 20 ft. Approximately
- 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 wells about 4 ft. diam. and 25 ft. deep.  
Not being used at present
- 10. The estimated amount of groundwater withdrawn each year Not in use at present
- 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 This filing is for possible future use

Signature of Owner George A. Ammon  
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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

21923

252082

STATE OF MONTANA  
County of Blaine  
FILED FOR RECORD THIS 31 DAY  
OF December A. D. 1963  
AT 11:15 O'CLOCK A. M.  
Cora L. Burgess  
COUNTY CLERK  
Cathy Street  
FEE 2.00 DEPUTY

RECEIVED  
SEP 11 1964

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

File No. ....

T. 35 R. 26

DUPLICATE

County Blaine

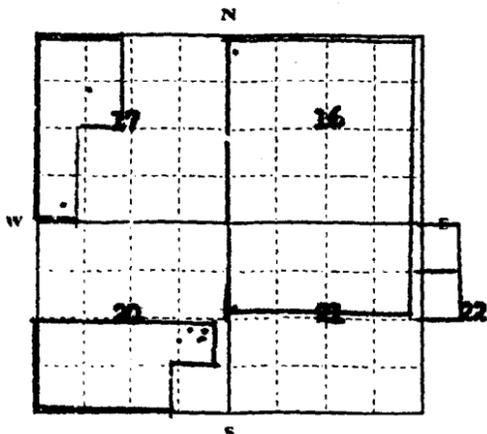
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. George A. Amman, of Turner  
(Name of Appropriator) (Address) (Town)

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



2. The beneficial use on which the claim is based Household and Garden Irrigation and Stockwater use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1911 and been used ever since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 Gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
1 Acre of Garden in NE 1/4 of Sec 20  
George A. Amman

4 wells in Building site  
NE 1/4 Sec. 20 T. 35 R. 26

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

SW 1/4 S 21 T 35 R 26 - SW 1/4 S 21 T 35 R 26  
S 17 T 35 R 26 Description of land owned  
SW 1/4 S 21 T 35 R 26

(Location of well Ind. by Dot)

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. NE 1/4 Sec 16 T 35 R 26 in this filing. All Sec 16 - NE 1/4 Sec 21 - NE 1/4 S 22

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. In the days of Homesteaders on to the 1930 (Stock water wells at the Main ranch buildings 1956 1957 1917 1911 (Exact date of wells on homesteads unknown) Sec 20.

8. The depth of water table. 35 Ft - S 16 - 25 Ft - Sec 20 - 21 - 35 Ft Sec 17

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. 1956 & 1957 Drilled wells, 6 inch casing to 25 ft. 1917 & 1911 Dug wells, 5 ft Dia. to 24 ft. Sec 20. 1958 Drilled 6in Casing, to 35 ft in Sec 21. Date unknown Dug well 35 ft 4 ft Dia. Sec 16. Dates unknown. Dug Well 35 ft 4 ft Dia. and another 35 ft 4 ft Dia. in Sec 17. T 35 R 26

10. The estimated amount of groundwater withdrawn each year. 160 Thousand Gallons for Garden & House. 300000 Gallons for Stock water

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. The above wells are pumped with ordinary farm or Ranch pumps and these wells have been used as needed since Homestead days.

Signature of Owner George A Amman  
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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator. 21925

252084

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 31 DAY  
OF December A. D. 1963  
AT 11:15 O'CLOCK A. M.  
Carl R. Mays  
COUNTY CLERK  
Colter Sheet  
DEPUTY  
FEE 3.00

File No. ....

T. 35N. R. 26E.

DUPLICATE

County Blaine

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

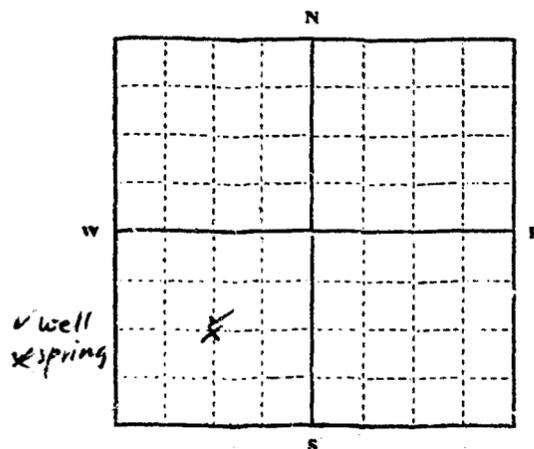
DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 6 1964

STATE ENGINEER

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



SW 1/4 Sec. 21 T. 35 R. 26

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

- The beneficial use on which the claim is based stockwater
- Date or approximate date of earliest beneficial use; and how continuous the use has been well; -continuous since 1955;  
spring, ccntinuous since 1912 and before
- The amount of groundwater claimed (in miner's inches or gallons per minute) well, 7 gal. per min.  
spring, 4 gal. per min.
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal well, located about center SW 1/4 Section 21-35-26, withdrawn by pump with electric motor; spring, also about center SW 1/4, withdrawal by natural flow.
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater well in 1955  
spring, 1912 and before
- The depth of water table well, about 22 feet; spring about 20 feet from higher ground level.
- 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, water withdrawn by pump on 1" pipe, operated by electric motor;  
spring, withdrawal by natural flow.
- The estimated amount of groundwater withdrawn each year well, 146,000 gal per yr.  
spring, 2,000,000 gal
- The log of formations encountered in the drilling of each well if available  
not available
- 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 Herman Liese

Date December 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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

21772

251896

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 26 DAY  
OF December A. D. 1963

AT 10:00 O'CLOCK A. M.

Cora L. Munsford  
COUNTY CLERK

Catherine Sheets  
DEPUTY

FEE 2.00 -

File No. ....

T. 35 N. R. 26 E.M.M. ....

DUPLICATE

County Blaine .....

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

RECEIVED  
 JAN 8 1964

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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater July 1, 1963 .....

Owner Herman Liese ..... Address Turner, Montana .....

Contractor (if any) John Pease .....

Address of Contractor Harlem, Montana .....

Date Started July 1, 1963 Date Completed July 5, 1963

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

water when applicable. natural springs located on hill in SE $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 22, Township 35 N., Range 26 E.M.M. Flow of 12 gal. per min. claimed as vested right from 1912 or before. In July 1963 spring dug out by backhoe, increased flow to 18 gal. per min. Developed several outlets. Water piped to bottom of hill by 1 $\frac{1}{2}$ " pipe. Use for stockwater and irrigation on SE $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 22.

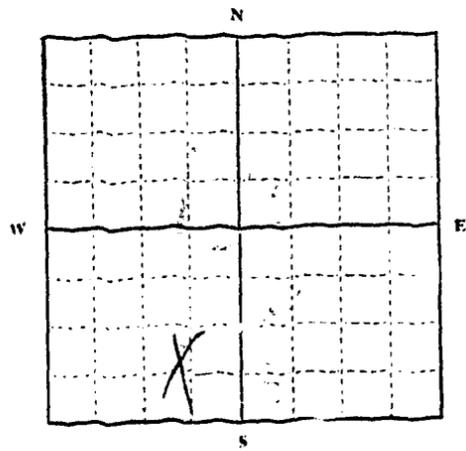
Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use .....

By this appropriation, and additional 6 gal per min. developed and claimed. Measured by filling 5 gal. cans and timing period required to fill.

Signature of Owner *Herman Liese* .....

Date December 23, 1963 .....



SESW ..... Sec. 22, T. 35, R. 26 .....

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

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.

251895

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 26 DAY  
OF December A. D. 1963

AT 9:50 O'CLOCK P. M.

*Carl R. Macgregor*  
COUNTY CLERK

*Ethel Sheets*  
DEPUTY

FRK 200

File No. ....

T. 35N. R. 26E.

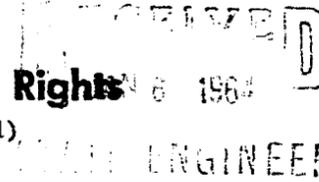
DUPLICATE

County Blaine

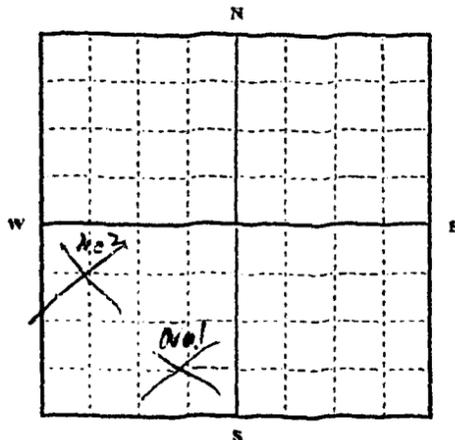
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)



1. Herman Liese, of Turner Harlem  
(Name of Appropriator) (Address) (Town)  
County of Blaine State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



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 continuous since about 1912
4. The amount of groundwater claimed (in miner's inches or gallons per minute) Spring No. 1: 12 gal. per min. prior to July, 1961, when spring developed to increase flow to 18 gal. per min. Spring No. 2: 3 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 Spring No. 1: natural flow from spring on hill located in SE 1/4 Sec. 22-35-26. Spring No. 2: natural flow, located in NW 1/4 of Section 22-35-26
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater natural flowing spring
8. The depth of water table
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 natural flowing spring
10. The estimated amount of groundwater withdrawn each year Spring No. 1: 9,300,000 gal.  
Spring No. 2: 2,300,000 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 Herman Liese

Date December 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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

21773

251897

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 26 DAY  
OF December A. D. 1963  
AT 10 O'CLOCK P. M.

*Cora L. McLaughlin*  
COUNTY CLERK  
*Patricia A. Sheets*  
DEPUTY  
FEB 2 1963



T 34 North R 18 East

County **Blaine**

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

STATE ENGINEER


Owner **Doughton Farm** Address **Chinook, Montana**

Driller **Simpson Drilling Company** Address **Malta, Montana**

Date Started **July 17, 1961** Date Completed **August 1, 61**

Location: Sec. **9** T **34** R **18** 1/4 sec.

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

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other: \_\_\_\_\_

Casing **0** ft. to **377** ft. Type **Steel** Size **6 inch**

Casing: **385** ft. to **518** ft. Type **Steel** Size **4 inch**

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. **488** to ft. **518** Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations **1/4 inch holes drilled in casing**

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

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

Pumping water level **480 feet** feet at **10** gal. per min.

How tested: **Ball Test**

Length of test **2 hours**

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

**Rubber packers at 487 and 490 feet**

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	60	Brown Shale
60	115	Grey Shale
115	130	Grey-green Sandy Shale
130	132	Black Shale Coal-water $\frac{1}{2}$ GPM
132	170	Grey Shale
170	172	Hard Shell
172	180	Grey Shale
180	185	Grey Brown Shale Some Coal
185	188	Coal-water 2 GPM
188	213	Brown Shale
213	223	Grey Shale
223	227	Coal
227	230	Brown Shale
230	241	Grey Shale
241	253	Brown Shale and Coal
253	257	Coal
257	274	Grey Shale
274	286	Coal
286	295	Grey Shale
295	300	Brown Shale
300	307	Grey Shale and Sandstone-water 1 GPM
307	314	Grey-Brown Shale and Coal
314	316	Grey Sandy Shale
316	319	Hard Shell
319	328	Grey-Green Sandy Shale
328	329	Tan Shale
329	338	Grey Shale
338	343	Grey green Shale
343	345	Sandstone
345	361	Muddy Grey Sand
361	370	Grey Shale
370	386	Grey Shaly Sandstone
386	398	Green Gray Shale
398	418	Grey Brown Shale
418	430	Grey Shaly Sandstone
430	445	Green Grey Shale
445	458	Green Grey Shale
458	475	Grey Sandy Shale
475	488	Grey Shaly Sandstone Gas
488	518	Sandstone Water $\frac{1}{2}$ 18 GPM 460 feet
518	518	Grey Shale

GW 3

File No. ....

DUPLICATE

Approved Book Form State Publishing Co., Helena, Montana—42199  
**RECEIVED**  
SEP 11 1964  
T. 34 R. 18  
County BLAINE

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

### Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....

Owner A.F. Daugh ten Address.....

Contractor (if any) .....

Address of Contractor .....

Date Started 7 Date Completed 7

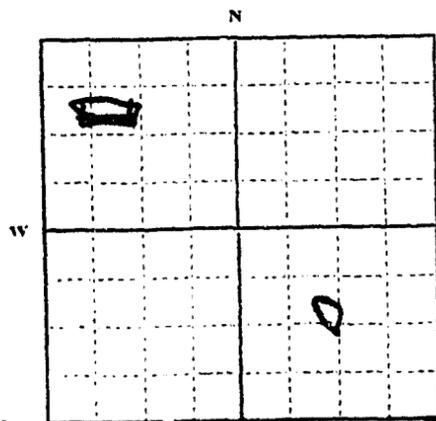
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.

North Reservoir:  
Made year's ago about 700ft x 500ft  
South Reservoir made by  
Grazing district about 1957. 60 x 120ft.

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.....

North Reservoir about 20 yrs.  
South Reservoir about 5 yrs.



North NW 1/4 NW 1/4 Sec 9 T 34 R 18  
South SE 1/4 NW 1/4 Sec 9 T 34 R 18

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

Signature of Owner A.F. Daugh ten

Date 12-27-63

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

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

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

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

252028

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 30 DAY  
OF December A. D. 19 63  
AT 2:45 O'CLOCK P M.  
Coria L. Mangrove  
COUNTY CLERK  
Esther Sheets  
DEPUTY  
FILE 202

File No. ....

T 34 R 18

DUPLICATE

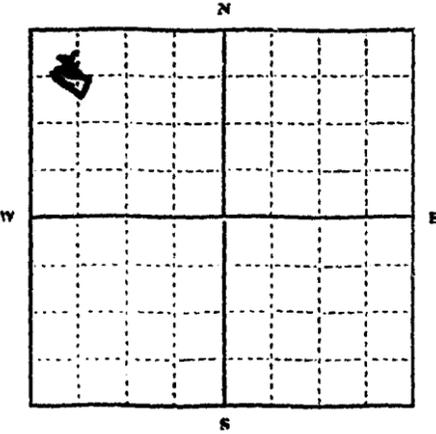
County .....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. A. F. DOUGHTEN, of CHINOOK,  
(Name of Appropriator) (Address) (Town)  
County of BLAINE State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N. 1/4 Sec. 9 T. 34 R. 18  
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 STOCK WATER.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. ABOUT 2 MONTHS A YEAR IN FALL FOR STOCK WATER.

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 18 gallons per minute. also natural gas. very strong. paper leak pump.

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. 1/2 H. POWER. SUBM EY 9A

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. JULY 19-1961 AUGUST-1-1961.

8. The depth of water table. 150 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 5.18 ft deep 3.77 ft launch steel pipe 1.41 ft 4" pipe steel.

10. The estimated amount of groundwater withdrawn each year. 75000

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 A. F. Doughten  
Date 2-27-63

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.

252029

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 30 DAY  
OF December A. D. 1963  
AT 2:46 O'CLOCK P. M.

Cara L. Musgrove  
COUNTY CLERK

2.00 DEPUTY

File No. ....

T. 34<sup>N</sup> R. 15<sup>E</sup> 20

DUPLICATE

County Blaine

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
NOV 24 1964

### Notice of Completion of Groundwater Appropriation by Means of WELL ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

0	Top of Ground
3	Topsoil
16	(Elev. above sea level) light brown shale
32	grey shale
33	Water + quicksand
40	light brown shale
94	grey shale
111	brown shale
126	grey shale (Water 1/2 g.p.m. @ 115)
161	brown " " 1/2 g.p.m. @ 164
183	grey shale
190	grey sandstone
194	Coal
213	brown shale
215	grey sandstone
217	grey shale
257	grey sandstone
258	hard rock + small amount of water
281	grey shale of water
303	grey sandstone
309	brown shale
343	grey sandstone with 2 g.p.m. of water @ 330
343	bottom

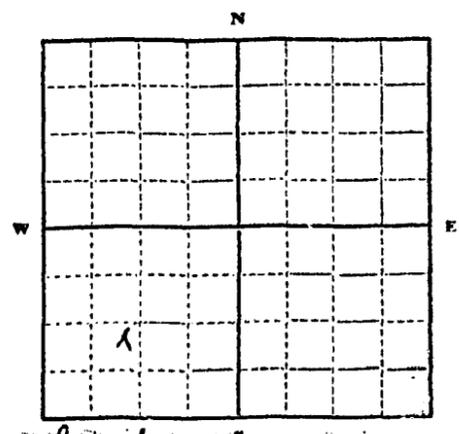
Owner: Jim Williams Address: Chinook  
 Driller: Lester Washburn Address: Blaine  
 Date of Notice of Appropriation of Groundwater: 10-15-64  
 Date well started: 11-2-64 Date Completed: 11-16-64

Type of well: \_\_\_\_\_ Equipment Used: \_\_\_\_\_  
 (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)
8 5/8	8 5/8 x 24	0	42			
6 5/8	6 5/8 x 13	0	343	1/4 x 2	115	340



Sec. 20 T. 34 R. 15

Show exact depth of bottom.

Static Water Level for non-flowing Well: 85 feet.

Shut-in Pressure for Flowing Well: ✓

Pumping Water Level: 340 feet at 4 gal. per minute.

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

How Tested: bucket Length of Test: 3 hrs

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) quicksand at 32 to 33 feet with 5 gal per min of water

Driller's License Number: 31

Driller's Signature: Lester Washburn

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.

38677

255726

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 23 DAY

OF Nov A. D. 1964

AT 3:25 O'CLOCK P.M.

*Cara L. Maguire*  
COUNTY CLERK

*Eather Sheets*  
DEPUTY

FEE 2<sup>00</sup>

File No. ....

APR 10 1957

T. 34 R. 17

DUPLICATE

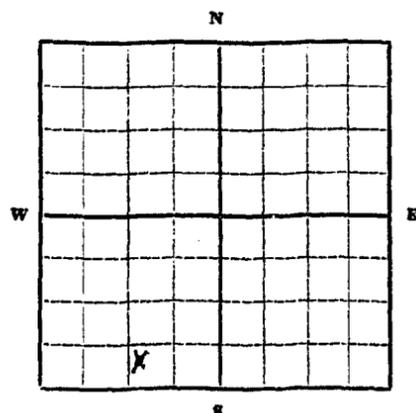
County Blaine

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. Williams & Son of Red Rock Route Chinook  
 (Name of Appropriator) (Address) (Town)  
 County of Blaine State of Montana  
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 of Sec. 20 T34 R18

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  
& Stock Water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 1958  
- CONTINUOUS -
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gallon 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 Working Head PUMP
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Oct. 1957 - Aug. 1958
8. The depth of water table 96' - 98'
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6" casing set to 124'
10. The estimated amount of groundwater withdrawn each year 182,500
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Jim WilliamsDate 2/28/57

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.

41846

259691

259691

STATE OF MONTANA  
County of Blaine

Filed for record this 7th Day

of April A. D. 1967

At 8:34 O'Clock A. M.

Wm. H. Mungro  
County Clerk

Arthur Hertz  
Deputy

2.00



File No. ....

T. 34 R. 19

DUPLICATE

County Blaine

LOG

JAN 10 1967

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner Donald Holman Address Chinook Mont

Driller W. Webster Address " "

Date of Notice of appropriation of groundwater 11-1-67

Date well started 11-15-67 Date completed 11-20-67

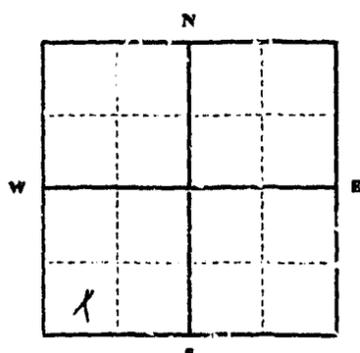
Type of well drilled Equipment used Churn Drill  
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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

0	Top of Ground
(Elev. above sea level.....)	
6	Pit
38	quicksand, no gravel
65	soft shale
70	quicksand
80	soft shale
85	quicksand
91	soft shale
92	sand gravel with water
96	gray shale
118	alternating layers of gray shale, brown shale + coal
118	rock
118	bottom

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 5/8	6 5/8 x 13	6	92			
5 5/8	5 5/8	85	114	1/4 x 2	100	115



Static Water Level for non-flowing well flows in pit feet.  
 Shut-in Pressure for Flowing Well.....  
 Pumping Water Level 100 feet  
 at 4 gal. per minute.  
 Discharge in gal. per min. of flowing well

How Tested fall  
 Length of Test 2 hrs

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

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).

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.

31  
 Driller's License Number  
W. Webster  
 Driller's Signature

42,742

STATE OF MONTANA  
County of Blaine

Filed for record this \_\_\_\_\_ Day

of January A. D. 1968

At 4:45 O'Clock P.M.

Caro L. Muegel

County Clerk

Cathleen Sheets

Deputy

Fee \_\_\_\_\_

File No. ....

T. 24<sup>th</sup> R. 19<sup>th</sup>

TRIPPLICATE

County Blaine

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

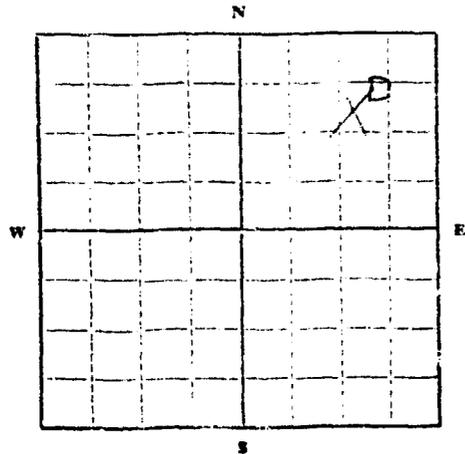
RECEIVED  
AUG 22 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

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



1/4 Sec. 19 T. 24 R. 19 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 water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 11-30-54

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 None

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1/4 water, 9 pump & 1/2 feet

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 11-30-54

8. The depth of water table 40 ft. from the top of ground

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 one well

10. The estimated amount of groundwater withdrawn each year 1000 gal.

11. The log of formations encountered in the drilling of each well if available 27' sandstone, 14.5-150' sandstone, 150-196' sandstone, 216-230' blue shale

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

Signature of Owner Lawrence Mitchell  
Date Aug 1, 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.

250194

STATE OF MONTANA  
County of Blaine  
FILED FOR RECORD THIS 21 DAY  
OF Aug A. D. 1962  
AT 11:15 O'CLOCK P. M.  
Cora L. Thompson  
COUNTY CLERK  
C. L. Sheets  
DEPUTY  
F&K 20

County Blaine 29

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 Ralph Allison  
Address Chinook Mont  
Date well started 10/25/70  
completed 10/30/70

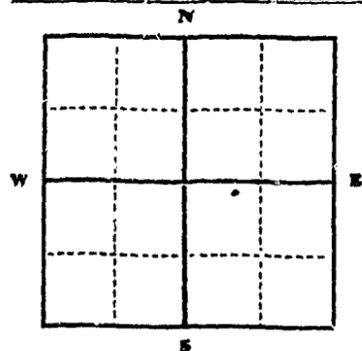
For Administrator's Use	
File	<u>366606</u>
	<u>FEB 24 1971 - 4:16 PM</u>
GW 1	

Type of well drum  
(Dug, driven, bored or drilled)  
Equipment used Churn drill  
(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)
<u>8 5/8</u>	<u>8 5/8 x 3 1/2</u>	<u>0</u>	<u>7 1/2</u>	<u>none</u>		



Static water level 15 ft.\*  
Pumping water level 7.4 ft.\*  
at 14 gallons per minute,  
measured 14 minutes after pumping  
began.  
\*Measured from ground level.  
Well developed by barber  
for 2 hours.  
Power 1.5 Pump 1/2.5 HP  
Remarks: (Gravel packing, cementing,  
packers, type of shutoff)

N.W. 1/4 - S.E. 1/4 Sec. 29  
T. 34 N. R. 12 E.  
S W

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

Driller's Signature Lester Washburn  
Driller's Address Chinook Mont

LICENSE NO. 91

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)
<u>0</u>	<u>75</u>
	<u>loam, sand, gravel, shale</u>
<u>75</u>	<u>75</u>
	<u>gravel, water</u>
	<u>bottom</u>

Show exact depth of bottom

48169

GW

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

File No. ....

T. 34 R. 19

DUPLICATE

County Blaine

STATE OF MONTANA  
ADMINISTRATIVE OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

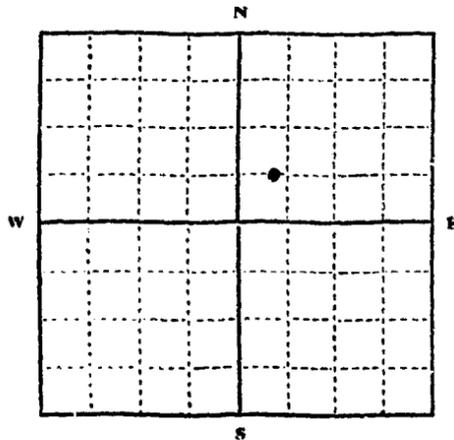
RECEIVED  
DEC 26 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Ralph E. Allison, of Chinook  
(Name of Appropriator) (Address) (Town)  
County of Blaine State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 29, T. 34, R. 19

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 and domestic use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1920 (?) continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 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  
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  
Cylinder pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Unknown; previous owners deceased
8. The depth of water table 100 ft. approximately
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 in casing
10. The estimated amount of groundwater withdrawn each year 350,000 gals
11. The log of formations encountered in the drilling of each well if available Unknown
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Unknown

Signature of Owner Ralph E. Allison

Date 12/23/63

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.

1206

251882

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 23 DAY  
OF December A. D. 19 63  
AT 9:10 O'CLOCK P. M.

Gene B. McCaskey  
COUNTY CLERK

Orther Sheets  
DEPUTY

FEE 2.00



File No. ....

T. *33* R. *21*

DUPLICATE

County *Blaine*

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 8 1964

D 20/31

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater *from 1940 to 1950*

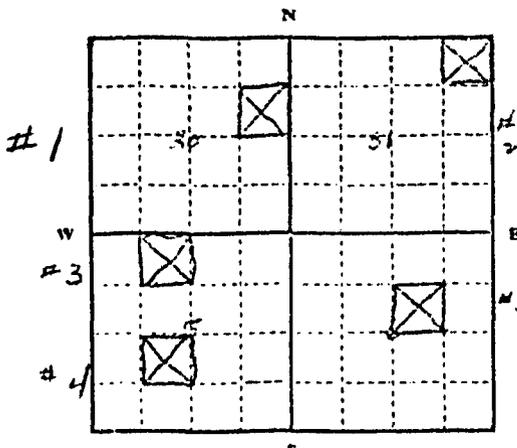
Owner *Howard Hille Dugge* Address *Zurich, Montana*

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. *all stockwater*



*reservoirs -  
Runoff water on 15 mile  
Creek drainage.  
Depth ranges from 12 ft to 20 ft.*

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.....  
*Grazing period use.*

..... 1/4 Sec..... T..... R.....  
Indicate point of appropriation and place of use, if possible.

- #1-SE<sup>4</sup>NE<sup>4</sup> 20-34-21 ✓
- #2-NE<sup>4</sup>NE<sup>4</sup> 31-34-21 ✓
- #3-NE<sup>4</sup>NW<sup>4</sup> 5-33-21
- #4-NE<sup>4</sup>SW<sup>4</sup> 5-33-21
- #5-SW<sup>4</sup>NE<sup>4</sup> 6-33-21

Signature of Owner *H Dugge*

Date *Dec 31 - 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 Quadrangle for the Appropriator.

252069

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 31 DAY  
OF December A. D. 1963

AT 9:30 O'CLOCK A. M.

Ara L. Musgrave  
COUNTY CLERK

FEE 2.00 DEPUTY



File No. ....

R 23

34

County .....

DUPLICATE

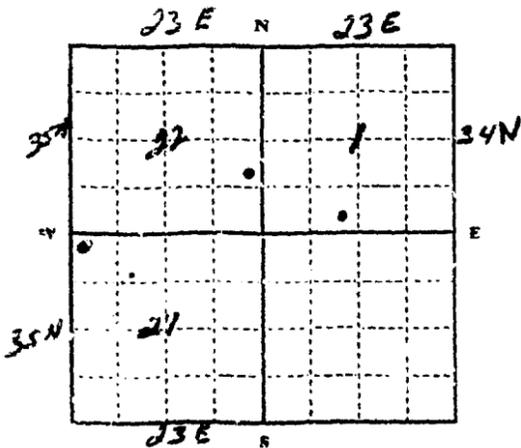
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 6 1962

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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



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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1930 on

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

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

1/4 Sec. T. R.

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

NE 1/4 of SE 1/4 Sec 22-35-23 means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump  
NW 1/4 of NW 1/4 Sec 27-35-23 livestock  
SE 1/4 of SW 1/4 Sec 1-34-23 livestock

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

8. The depth of water table. 30 to 240 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 on section 22-35-23 35 ft well on section 1-34-23 250 ft deep

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

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.

Signature of Owner Aaron Lacot

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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator. 21980

252143

STATE OF MONTANA  
County of Prairie

FILED FOR RECORD THIS 31 DAY  
OF December A. D. 1963  
AT 4:50 O'CLOCK P.M.

Carl L. Magnus  
COUNTY CLERK

Esther Shub  
DEPUTY

FRK 2

File No. ....

T. 34 N. R. 23 E

DUPLICATE

County Blaine

JAN 6 1964

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

### Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 257 Montana Session Laws, 1961)

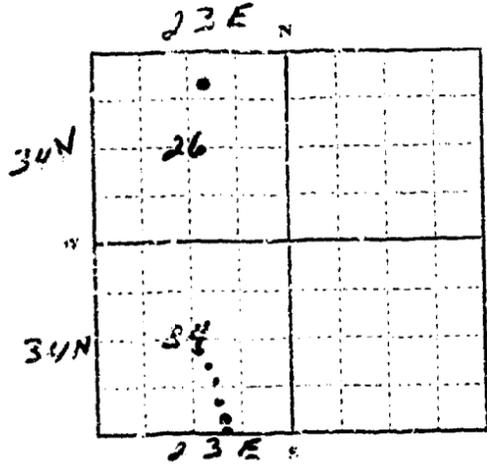
Date of Appropriation of Groundwater.....

Owner Arson Jacob Address Hogeland, Montana

Contractor (if any) None

Address of Contractor None

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



..... 1/4 Sec..... T..... R.....  
Indicate point of appropriation and place of use, if possible.

NE 1/4 of NE 1/4 Sec 26-34-23  
SE 1/4 of SE 1/4 Sec 34-34-23  
is a series of running springs

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Natural Springs  
run at all times

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. Not applicable

Water used for livestock

Signature of Owner Arson Jacob

Date 12-31-63

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

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

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

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

252142

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 31 DAY  
OF December A. D. 1967  
AT 4:50 O'CLOCK P. M.

Carroll L. McGuire  
COUNTY CLERK

Arthur Sheeb  
DEPUTY

PER 3-00