

386788

A. W. WATSON

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA, ss.
COUNTY OF HILL)
Filed at 11:00 o'clock A.M.

ON DEC 26 1963

18. F. Brown
COUNTY CLERK

DEPUTY

FEES \$2 .00 pd.

397169

DONALD DEES

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA)
COUNTY OF HILL)
Filed at 11 o'clock A.M.

07 DEC 31 1963
COUNTY CLERK
MONTANA

Fee: \$2.00 pd.

File No.

T. 33N. R. 14E.

DUPLICATE

County HILL

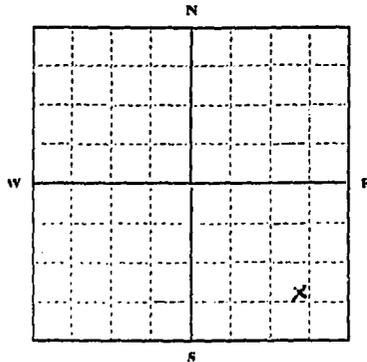
STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

RECEIVED
 DEC 20 1963
 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. United States of America, of Box 2553 Billings
 (Name of Appropriator) (Address) (Town)
 County of Yellowstone State of Montana
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been September 1951
Use has been continuous since Sept. 1951

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric motor driven pump. Location of withdrawal ~~W. 1/2, S. 1/2, Sec. 19, T. 33 N., R. 14 E.~~

SE 1/4, Sec. 19, T. 33 N., R. 14 E.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater September 1951

8. The depth of water table approximately 10 feet from ground surface

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Withdrawal is from the drainage system under the Fresno Dam embankment. Installation is near the downstream toe of embankment and consists of a concrete box reservoir approximately 12 feet below ground surface through which the drainage waters pass and a 36" diameter x 8' length corrugated metal riser pipe from top of concrete box to ground surface.

10. The estimated amount of groundwater withdrawn each year 10 acre-feet

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 water is used for domestic household, stock watering and similar uses by employees of the United States, or its agents in connection with operation of the Fresno Dam Federal Reclamation Project.

United States of America
 Signature of Owner E. Richard Ansel
 For Regional Director, Region 6, Bureau of Reclamation
 Date December 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.

10855

396655

UNITED STATES OF AMERICA

TO

THE PUBLIC

DECLARATION OF V STED BRUND
WATER RIGHTS

STATE OF MONTANA } ss.
COUNTY OF HILL }
Filed at 10 o'clock A.M.

ON DEC 19 1963
R. E. Blom

COUNTY CLERK

DEPUTY

Fee: \$2.00 pdl

425740

UNITED STATES BUREAU OF
RECLAMATION

TO

THE PUBLIC

WATER WELL

STATE OF MONTANA,)
COUNTY OF HILL) ss.
Filed at 2:30 o'clock P. M.

SEP 15 1972

R. E. Blom
COUNTY CLERK

By Charles E. May
DEPUTY

Fee: \$2.00 pd.

INDEXED

GW 4
FILE NO. _____

TWP 33 RGE 14E
COUNTY Hill

DUPLICATE

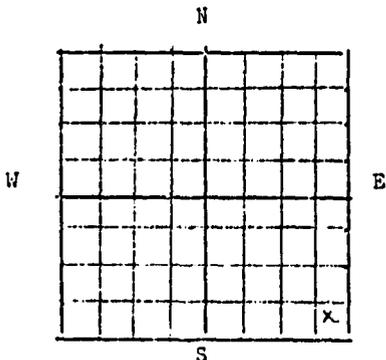
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 15 1962

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

STATE ENGINEER

1. Richard Francis James, of Box 244 Harro
(Name of Appropriator) (Address) (Town)
County of Hill, State of Montana
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



SE 4 Sec 32 T 33 R 14E

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 farm use
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been continuous use since 1925
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) use was about 500 gal per month
- 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 shallow wells

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1925
- 8. The depth of water table 30 ft
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6" casing, depth of well 16.5 ft
- 10. The estimated amount of groundwater withdrawn each year 10,000 gal
- 11. The log of formations encountered in the drilling of each well if available drilled thru blue clay & sandstone
- 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 Richard Francis James
Date Jan 12 1962

Three copies to be filed by the owner with the County Clerk & 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 & Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

301100

R PT & FRANCES THMAI

to

THE PUBLIC

DECLARATION OF VESTED GROUND
WATER RIGHTS

STATE OF MONTANA
COUNTY OF HILL
Filed 01/15/15 at Helena, MT

BY _____ 1502

G. C. Yeon

COUNTY CLERK

DEPUTY

Fee: \$2.00 pd.

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 H.D. HURD + STEPHEN SAULE

Address RT 2

KREMHLIN, MONTANA

Date well started 8/8/72

completed 8/24/72

Type of well DRILLED

Equipment used CABLE TOOL RIG

Water Use: Domestic Municipal Stock Irrigation

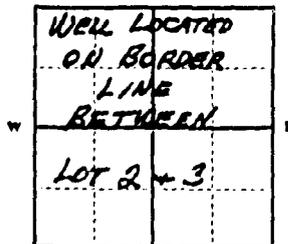
Industrial Drainage Other * Garden/Lawn

*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 EXCEEDING 500,000 GALLONS

Size of Section Main	Size and Weight of Casing	From (Foot)		PERFORATIONS		
		0	20	Kind and Depth	From (Foot)	To (Foot)
10'				(NO PERFORATIONS)		
6 7/8"	6 7/8" O.D. 1 1/2" THICK CIRCUMLAR ABOVE 13" PER FOOT BLACK BACK STEEL	0	122 1/2'	WATER COMING IN THRU BOTTOM OF DRILL SHOOT AT 122 1/2' FOOT LEVEL		



Static water level 30 ft.
Pumping water level 33 1/2 ft.
at 20 gallons per minute,
measured 480 minutes after pumping
began.

*Measured from ground level.
Well developed by BAUER + PUMP
for 12 hours.

Power ELECTRIC Pump 1 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) AMMURAK

SPACE AROUND OUTSIDE OF CASING
SAND FILL WITH BENTONITE AND
DRILLING MUD FROM 20 FT BACK
TO APPROX 6 FT. FILL DIRT FROM
8 FT BACK TO SURFACE

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

Driller's Signature Robert J. J. Hill HILL DRILLING SERVICE

Driller's Address 1173 6TH ST. NO. PHONE 265-4210

HAVRE, MONTANA LICENSE NO. 46

County HILL

DRILLER'S LOG 3

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 (Foot)	To (Foot)
0 to 2	SOIL
6	SANDY BROWN CLAY
8	GRAVELLY BROWN CLAY
15	GRAVELLY + Boulders BROWN CLAY
16	BOULDER
18	GRAVELLY BROWN CLAY
26	BROWN CLAY
31	BROWNISH GREY CLAY
44	GREY CLAY
46	BROWN SAND - SOME WATER VERY DIRTY
57	SANDY GREY CLAY
58	FINE GRAY SAND - COAL FRAGMENTS
67	SAND + GRAVEL - WATER
67	GREY CLAY - SMALL BOULDERS
76	GRAVELLY GREY CLAY
69	GREY SILT + SAND
72	SILTY GREY CLAY - SOFT
98	GREY CLAY - GRAVELLY
102	SANDY GREY CLAY - SOFT
111	GRAVELLY GREY CLAY
118	GREY CLAY - SHALE FRAGMENTS
120	GREY SAND + GRAVEL - FINE COAL - WATER
131	BROWN SAND - CONSIDERABLE AMOUNT OF COAL FRAMES - WATER YIELD INCREASING
133 1/2	BROWN SAND + GRAVEL - COAL FRAMES - WATER YIELD INCREASING - EXCEEDING 30 GPM WITH LESS THAN 5 FEET OF DRAWDOWN. BY BAUER TEST

122 1/2 Show exact depth of bottom

50,147

426765

H. O. HURD & STEPHAN SOULE

TO

THE PUBLIC

WATER WELL

STATE OF MONTANA,)
COUNTY OF HILL)
Filed at 2:03 o'clock P.M.

JAN 4 1973

R. E. Blom
COUNTY CLERK

[Signature]
DEPUTY

Fee:\$2.00 pd.

(INDEXED)

File No. _____

T. 33 N R. 15 E 7

County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

- Top of Ground
- (Elev. above sea level.....)
- 20 brown soil
- 23 shale sand
- 99 shale stringer of sand
- 101 brown shale
- 331 sandstone water 3g.p.m.
- 337 brown shale
- 396 sandstone and water
- 426 shale & hard sand
- 501 sandstone
- 526 shale gray
- 528 shale light gray
- 537 sandstone gas & water
- 540 shell hard
- 587 gray shale
- 590 shell
- 596 sandstone & water 7g.p.m.
- 604 brown shale
- 609 gray shale
- 612 sandstone
- 617 sandstone gas

Owner Gagel Roy Address Havre Montana

Drill Simpson Drilling Co. Address Malta, Montana

Date of Notice of appropriation of ground water _____

Date well started 8-20-63 Date Completed 10-14-63

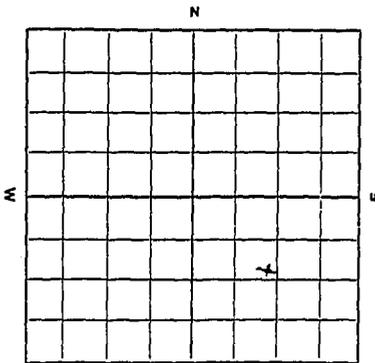
Type of well Drilled Equipment used Cable Tools
(dug, driven, bored or Churn, drill, rotary or drilled) other)

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)
8"	7 D.D.	4" A.G.	561	xx	xx	xx
6 1/2"	4" I.D.	5" A.G.	608	xx	xx	xx

Cemented 4" with 12 sacks at 608" by the montana cementers



SE 1/4 Sec. 7 T. 33 R. 15
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing well 190 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 320 feet

at 7 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Bailer

Length of Test 5 hours

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) _____

15
Driller's License Number

The [Signature]
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 School of Mines and Quadruplicate for Appropriator.

GW-4
FILE NO. _____
DUPLICATE

TWP 33 N RGE 15 E
COUNTY Flora

9

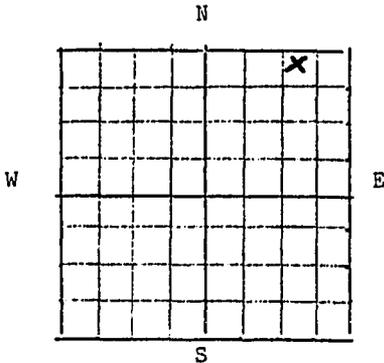
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 6 1963

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

STATE ENGINEER

1. Leona & Myrtle G. Christopher, of Box 806
(Name of Appropriator) (Address) (Town)
County of Flora, State of Montana
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



NE 1/4 NE Sec 9 T33 R15

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. Domestic, lawnmower, garden, etc.
- Date or approximate date of earliest beneficial use; and how continuous the use has been. June 20, 1956 - continuous
- The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gpm
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. 12.15 ac. NE 1/4 of Sec 9 - Twp 33 R 15 - Flora, Mont. - 12.15 - 1/2000 - 1/2000 - 1/2000 - 1/2000 - 1/2000 - 1/2000 - 1/2000 - 1/2000 - 1/2000 - 1/2000
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Submersible pump
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Drilling commenced June 8, 1956. Well finished June 2, 1956.
- The depth of water table. 40 feet
- 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 1/2 inch casing - 173 feet
- The estimated amount of groundwater withdrawn each year. 120,000 gal. per year
- The log of formations encountered in the drilling of each well if available. 120 feet sandstone - 40 feet sandstone - 100 feet sandstone
- 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 Myrtle G. Christopher
Date Dec. 27, 1963

Three copies to be filed by the owner with the County Clerk & 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 & Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

396231

LELAND & MYRTLE CHRISTOPHERSON

TO

THE PUBLIC

DECLARATION OF VESTED GROUNDWATER

RIGHTS

STATE OF MONTANA
COUNTY OF BILLINGS
Filed 11:20 a.m. A.M. 1963

27 1963

R. E. Blom COUNTY CLERK

Fee: \$2.00 pd.

GW

Approved Stock Form—State Publishing Co., Helena, Montana—11230

File No. _____

T. 33 N 15 E

DUPLICATE

County Hell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 15 1963

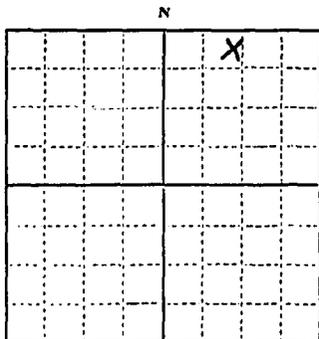
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

James L. Beuchard
(Name of Appropriator)

B41541 Laure
(Address) (Town)

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



Lot 5 Murphy 1st Sub Division

Mont. U.R. Sec. 9 T. 33 N. 15

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... Domestic
- Date or approximate date of earliest beneficial use and continuous the use has been... May 1, 1946
- The amount of groundwater withdrawn (in mineral gallons per minute)... 20 gal per minute
- 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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... Starting drilling March 15, 1961 and completed March 20, 1961

8. The depth of water table... 46' in 6" O.K. casing

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... the well is 1 1/2" dia. 6' deep with casing to pump up a on tower jet with a 750 gallon tank

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

11. The log of formations encountered in the drilling of each well if available... at 24' boulders mixed yellow clay at 72' gray sandy clay at 100' gravel sand at 121' gravel well completed at 131' in gravel with water table 35' from surface.

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... with casing up in casing to 29' from surface

Signature of Owner James L. Beuchard
Date Nov. 14, 1963

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

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

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

396037

JAMES R. BURCHARD

TO

THE PUBLIC

DECLARATION OF VESTED GROUND
WATER RIGHTS

STATE OF MONTANA,) ss.
COUNTY OF HILL)
Filed at 1:45 o'clock P.m

ON NOV 14 1963

R. E. Blom
COUNTY CLERK

DEPUTY

Fee: \$2.00 pd.

GW-4
FILE NO. _____
DUPLICATE

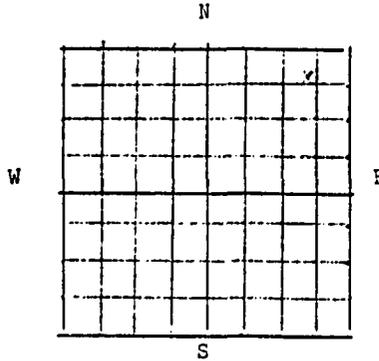
TWP 33 RGE 15
COUNTY Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 7 1962

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

1. Curtis G. Thompson, of Box 331 Havre
(Name of Appropriator) (Address) (Town)
County of Hill, State of Montana
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



NE 1/4 Sec 9 T.33 R.15

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, Lawn and Garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
Nov. 20, 1957 Domestic use daily Lawn and garden watering 4 to 5 months yearly.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 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, NE 1/4 of NE 1/4 Sec. 9, Twp. 33, R. 15, Hill Co., Lot #2 in Murphy's Subdivision

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Drilling commenced September 30, 1957 Well finished November 6, 1957.

8. The depth of water table approximately 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. Drilled - 6" steel casing - 160 feet.

10. The estimated amount of groundwater withdrawn each year 183000 gal. per year

11. The log of formations encountered in the drilling of each well if available 15' sandy clay, 16' boulders, sandy clay, 28' yellow clay, 62' grey sandy clay, 77' quicksand, 04' sandy grey clay, 116' grey clay, gravel, 130' sand & gravel, 160' water, gravel

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

Not APPLICABLE

Signature of Owner Curtis G. Thompson

Date Dec. 6 - 1962

Three copies to be filed by the owner with the County Clerk & 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 & Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

1391516

CURTIS G. THOMPSON

THE PUBLIC

DECLARATION OF VESTED GROUND
WATER RIGHTS

STATE OF MONTANA
COUNTY OF HILL)
Filed at 2:20 o'clock P.m.

ON 11 6 1962

G. C. Yeon
COUNTY CLERK

By _____ DEPUTY

Fee: \$2.00 pd.

GW

Approved Stock Form—State Publishing Co., Helena, Montana—41138

File No. _____

T. 33 1/2 156

DUPLICATE

County 4/11

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

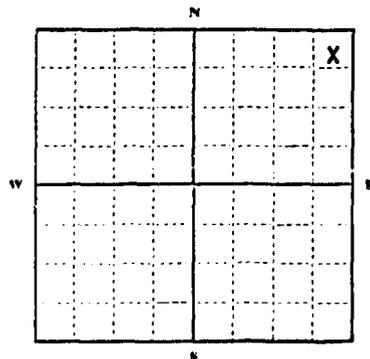
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 19 1963
STATE ENGINEER

MYRON E. MORRIS & BEATRICE MORRIS of Box 471 Havre
(Name of Appropriator) (Address) (Town)

County of Hill 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 9 T. 33 R. 15
Vance Murphy Acres Lot 7.
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,
drinking water and domestic use.

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been... July 21, 1956

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

6. 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 7, Vance Murphy Acres, one acre, owners
Myron E. Morris and Beatrice Morris as
joint tenants.

6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal... well
located 110 ft West of NW corner of and 30 ft
East of center of the West boundary line of
Lot 7, Vance Murphy Acres.

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater... July 21, 1956

8. The depth of water table... 125 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... 8" cased well, depth 128 ft.

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

11. The log of formations encountered in the drilling of each well if available... 0-top soil; 1-sandy
yellow clay; 16-gravelly sandy clay; 36-boulders-gravelly sandy clay;
60-sandy clay; 72-grey sandy clay; 82-quick sand; 87-sandy grey clay;
105-grey clay, fat; 109-sandy clay, some coal; 125-gravel, water; 128-
gravel, well completed.

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.

Myron E. Morris
Signature of Owner Beatrice Morris
Date December 17, 1963

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

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

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

10309

396608

MYRON F. MORRIS &
HEATRICE MORRIS

TO

THE PUBLIC

DECLARATION OF VESTED GRANTED
WATER RIGHTS

STATE OF MONTANA,
COUNTY OF HILL)
Filed at 3 o'clock P.m.

BY 1963

R. E. Blom

CLERK

DEPUTY

Fees: \$2.00 pd.

GW
FILE NO. _____

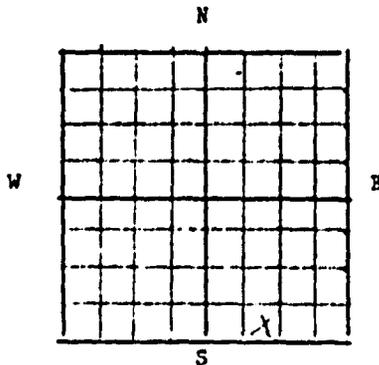
Sec 14

TWP 33^N RGE 15^E
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. J. W. Hamrick, of 427-100 Haize
(Name of Appropriator) (Address) (Town)
County of Hall, State of Mont
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 Stock raising

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1961
6 1963

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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 none

Sec 14 Sec 14 T 15 R 33

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1961 to 1963

8. The depth of water table 23 ft 11 ft of water

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater

10. The estimated amount of groundwater withdrawn each year 20000

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 J. W. Hamrick

Date Oct 20 - 1963

Three copies to be filed by the owner with the County Clerk & 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 & Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

397156

LEROY HAMBLOCK

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA,)
COUNTY OF HILL) ss.
Filed at 11 o'clock a.m.

ON DEC 31 1963

COUNTY CLERK

DEPUTY

EE: \$2.00 pd.

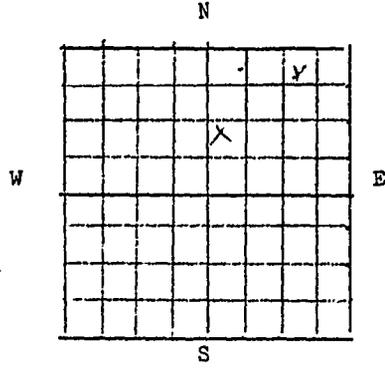
GW
FILE NO. _____

TWP 33 N RGE 15 E
COUNTY _____
JAN 13 1964

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Le Roy Hamblek, of 407-100th Haure
(Name of Appropriator) (Address) (Town)
County of Hill, State of Mont
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



NE 1/4 Sec 23 T.33 R.15

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 Street household
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1940 to 1963
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 16 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 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 1940 to 1963
8. The depth of water table 25 ft 10 ft of water
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 ft wide
10. The estimated amount of groundwater withdrawn each year 60000
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 Le Roy Hamblek
Date Dec 30 63

Three copies to be filed by the owner with the County Clerk & 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 & Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

397157

LEROY HAMBLOCK

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA, ss.
COUNTY OF HILL)
Filed at... 11 o'clock *a.m.*

ON DEC 31 1963
[Signature]
COUNTY CLERK

DEPUTY

FEE: \$2.00 pd.

File No. _____

T. 33 N R 15 E 28

DUPLICATE

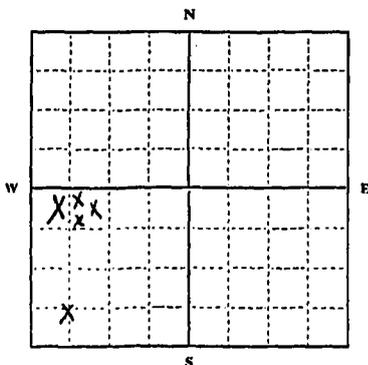
County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. FRANK POPILLO, of 125 ELM ST. HAURE
(Name of Appropriator) (Address) (Town)
County of HILL State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NW Sec 28 T. 33 R. 15

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 STOCK AND HOME USE

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 63 YEARS AGO

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

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

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

8. The depth of water table 6-7-12-14 FT.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater

10. The estimated amount of groundwater withdrawn each year 9

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 Frank Popillo

Date 12-10-63

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.

396526

FRANK PAPILO

TO

THE PUBLIC

DECLARATION OF VESTED GROUND
TAXPAYER RIGHTS

STATE OF MONTANA)
COUNTY OF HILL) P.
Filed at 3 o'clock P.M.

ON Dec 12 1963
R. E. Blom

COUNTY CLERK

DEPUTY

Fee: \$2.00 pd.

File No.

T 33 R 15

DUPLICATE

MONTANA WATER RESOURCES BOARD

County HILL

LOG

RECEIVED

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

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

Notice of Completion of Groundwater Appropriation by Means of Well DEVELOPED AFTER JANUARY 1, 1961

(Under Chapter 237, Montana Session Laws, 1961)

Owner CHARLES A + LILLIAN GRAHAM Address HANRE, MONTANA

Driller HI-LINE DRILLING SERVICE Address HANRE, MONTANA

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

Date well started 5/24/68 Date completed 5/31/68

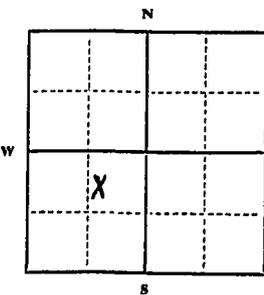
Type of well DRILLED Equipment used CABLE TOOL RIG
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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.

- 0 to 3 SOIL
- 3 BROWN SANDY LOAM
- 7 BROWN SAND
- 12 YELLOW CLAY
- 23 BROWN SILTY CLAY
- 25 GREY CLAY
- 34 GREY SAND
- 35 GREY CLAY
- 42 SANDY GREY CLAY
- 45 GREY CLAY
- 58 GREY SILT + SAND - WATER
5 BPM - (HIGH SULFATE + HARDNESS + IRON)
- 60 SANDY GREY CLAY - FRAGMENTS OF COAL
- 77 GRAVELLY GREY CLAY
- 82 GREY CLAY
- 83 1/2 SAND - TRACE OF GRAVEL - WATER
- 84 SMALL GRAVEL - WATER - EXCEEDING 25 BPM - (HIGH SULFATE)
- 86 LARGE GRAVEL - SAND
CASED OFF DUE TO HIGH SULFATE + IRON CONTENT
- 87 SANDY GREY CLAY
- 91 SHALEY GREY SANDSTONE
- 96 1/2 BLUE - GREY SHALE
- 97 HARD SANDSTONE
- 107 1/2 GREY SANDSTONE - WATER
APPROX 15 BPM
- HARD SANDSTONE SHELL
ENCOUNTERED AT 107 1/2 FOOT LEVEL. BOTTOM OF WELL.
- HARDNESS 15 GRAINE
PH 8.5
IRON 1 PPM
SULFATE - MODERATE
- 107 1/2 Show exact depth of 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" O.D. 18# PER FOOT.	1 FOOT ABOVE GROUND LEVEL	9 1/2'	(NO PERFORATIONS)		
				DRIVE SHOE SET ON HARD SANDSTONE AT 96 1/2 FOOT LEVEL. NO CASING BELOW 96 1/2 FT. SANDSTONE LEFT UNCASSED		



Static Water Level for non-flowing well 9 1/2 feet.

Shut-in Pressure for Flowing Well NOT APPL.

Pumping Water Level 90 feet at 13 gal. per minute.

Discharge in gal. per min. of flowing well NOT APPLICABLE

How Tested BALER + PUMP

Length of Test 4 HOURS

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

NE 1/4 Sec. 31, T. 33, R. 15
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).

46
Driller's License Number

Robert Zivier
Driller's Signature

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

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

44201

411342

CHARLES AND LILLIAN GRAHAM

TO

THE PUBLIC

GROUND WATER APPROPRIATION

STATE OF MONTANA)
COUNTY OF HILL) ss.
Filed at 2:50 o'clock P.M.

JUN 5 1968

R. E. BLOM

COUNTY CLERK

By _____

DEPUTY

fee: \$2.00 paid

RECEIVED

334-15E...
County HILL

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

DRILLER'S LOG

32

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.

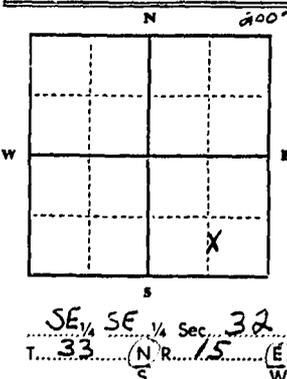
Owner FRANK FOX GRAIN & CATTLE
For Administrator's Use
Address Box 968 File 423.539
HAURE, MONTANA Jan. 24, 1972 8:00 a.m.
Date well started MAY 5, 1971 GW 1
completed MAY 20, 1971

Type of well DRILLED (Dug, driven, bored or drilled)
Equipment used CABLE TOOL RIG (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 4,000,000 GALLONS

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
6 5/8"	6 5/8" O.D. (.211 WALL) 15# PER FT.	2' BELOW TOP OF CONCRETE WELL PIT	201 FT FROM TOP OF CONCRETE WELL PIT	Kind Size	From (Feet)	To (Feet)
				NO PERFORATIONS		
				JOHNSON STAINLESS STEEL TELESCOPIC TYPE 304 L" WELLSCREEN - 25' LONG		
				CONSISTING OF 6' LEAD PACKER 2 1/2" O.D. 5/16" BODY AND 1 1/2" O.D. 5/16" COLLARS FOR TOTAL LENGTH OF 3' 1/2" PLUGGED FROM		



Static water level 10 ft.
Pumping water level 51 ft.
at 16 gallons per minute, measured 10 minutes after pumping began.
*Measured from ground level.
Well developed by BALENT AIR for 20 hours.
Power ELECTRIC Pump 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Herbert Jones - Hill - has nothing to do
Driller's Address 1173 6TH ST. NO.
HAURE, MONTANA LICENSE NO. 46

Top of Ground (Elev. above sea level)	
From (Feet)	To (Feet)
0	8
8	19
19	22
22	28
28	33
33	36
36	48
48	51
51	57
57	62
62	76
76	83
83	103
103	105
105	107
107	130
130	139
139	144
144	145
145	152
152	154
154	158
158	159
159	172
172	181
181	184
184	192
192	196
196	198
198	204
204	

EXISTING WELL PIT
BROWN SAND + SILT
SANDY GREY CLAY - SOFT
SANDY GREY CLAY
GREY SILT + SAND
GREY SAND - SOME GRAVEL - LADEN WITH SILT - WATER
GREY CLAY
SANDY GREY CLAY
SILTY GREY CLAY
GREY CLAY - SOFT
SILTY GREY CLAY
GREY CLAY
MEDIUM GREY SILT - SAND
DENSE GREY CLAY
SILTY GREY CLAY
DENSE BROWN GREY CLAY
DENSE GREY CLAY
BROWN SILTY CLAY - SOFT
MUSHY GREY CLAY
SANDY CLAY - TRACE OF SHARP CHANNEL
SANDY GREY CLAY
BROWN SAND - COAL AND DELAYED VEGETATION
SANDY GREY CLAY
BROWN SAND - COAL
SANDY GREY CLAY
SILTY GREY CLAY
GREY SAND + SILT - CAL
SANDY GREY CLAY
SILTY GREY CLAY - SOFT
SANDY GREY CLAY
GREY SAND - SOME SHARP CHANNEL + MANY SHELLS LADEN WITH CLAY FLAKES + SMALL BITS OF SHALE. WATER DIFFICULT TO PUMP. PERMANENT HEAVING INSTALLED SCREEN TO STABILIZE FORMATION

NOTE:
FORMATION BELOW 204 FT - SANDY SHALE WITH HARD SHELL AT 202 1/2 FT. DRUGS LAYING IN WATER LADEN ON TO BUTTER LEVEL. ABANDONED FURTHER DRILLING & PLUGGED HOLE BACK TO 204' 3" SET SCREEN FROM 204' 3" TO 200' 3" LEVEL. FILLED LAYING BACK TO 201 FT. POINT OF WELL PIT DEVELOPED WELL WITH DRAWING & SUCTION WITH AIR COMPRESSOR FOR 80 HOURS

204' 3" Show exact depth of bottom

49,784

RECEIVED 33N-15E...

County HILL

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

MONTANA'S DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

DRILLER'S LOG 32

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 FRANK FOX GRAIN & CATTLE
For Administrator's Use
Address Box 968 File 423.539
HAURE, MONTANA Jan. 24, 1972 8:00 a.m.
Date well started MAY 5, 1971 GW 1
completed MAY 20, 1971

Type of well DRILLED
(Dug, driven, bored or drilled)
Equipment used CABLE TOOL RIG
(Cable 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 4,000,000 GALLONS

Size of Drilled Hole	Size and Weight of Casing	From (Foot)		To (Foot)		PERFORATIONS		
		From	To	From	To	Kind	From	To
<u>6 5/8"</u>	<u>6 5/8" O.D. (2 1/4" WALL)</u>	<u>7 2"</u>	<u>201 FT</u>	<u>BELOW</u>	<u>FROM</u>	<u>NO PERFORATIONS</u>	<u>NO</u>	<u>NO</u>
	<u>15# PER FT.</u>	<u>TOP OF</u>	<u>TOP OF</u>	<u>CONCRETE WELL PIT</u>	<u>CONCRETE WELL PIT</u>	<u>JOHNSON STAINLESS STEEL TELESCOPE TYPE 304 6" WELL SCREEN - 25' SLOT</u>	<u>PACKED 1/2" OF SCREEN BODY AND 1/4" OF 3/16" CASING FOR TOTAL LENGTH OF 3' 11/2" PLUGGED FROM</u>	

Static water level 10 ft.
Pumping water level 51 ft.
at 16 gallons per minute, measured 120 minutes after pumping began.
*Measured from ground level.
Well developed by BAKER AIR for 20 hours.
Power ELECTRIC Pump 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

SE 1/4 SE 1/4 Sec 32
T. 33 (N) R. 15 (E) S. W

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

Driller's Signature Robert J. Dwyer - Hill - Kern Building
Driller's Address 1173 6TH ST. NO. HAURE, MONTANA LICENSE NO. 46

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 (Foot)	To (Foot)	
<u>0 7/8</u>	<u>8</u>	<u>EXISTING WELL PIT</u>
	<u>19</u>	<u>BROWN SAND & SILT</u>
	<u>29</u>	<u>SANDY BROWN CLAY - SOFT</u>
	<u>32</u>	<u>SANDY GREY CLAY</u>
	<u>33</u>	<u>GREY SILT & SAND</u>
	<u>76</u>	<u>GREY SAND - SOME GRAVEL - LADEN WITH SILT - WATER</u>
	<u>48</u>	<u>GREY CLAY</u>
	<u>51</u>	<u>SANDY GREY CLAY</u>
	<u>57</u>	<u>SILTY GREY CLAY</u>
	<u>62</u>	<u>GREY CLAY - SOFT</u>
	<u>63</u>	<u>SILTY GREY CLAY</u>
	<u>76</u>	<u>GREY CLAY</u>
	<u>83</u>	<u>GLAUCOUS GREY SILT & SAND</u>
	<u>103</u>	<u>HEAVY GREY CLAY</u>
	<u>105</u>	<u>SILTY GREY CLAY</u>
	<u>107</u>	<u>HEAVY BROWN GREY CLAY</u>
	<u>130</u>	<u>HEAVY GREY CLAY</u>
	<u>139</u>	<u>BROWN SILTY CLAY - SOFT</u>
	<u>144</u>	<u>BROWN GREY CLAY</u>
	<u>145</u>	<u>SANDY CLAY - TRACE OF SHARP GRAVEL</u>
	<u>152</u>	<u>SANDY GREY CLAY</u>
	<u>154</u>	<u>BROWN SAND, COAL AND DELAYED VEGETATION</u>
	<u>158</u>	<u>SANDY GREY CLAY</u>
	<u>159</u>	<u>BROWN SAND - COAL</u>
	<u>172</u>	<u>SANDY GREY CLAY</u>
	<u>181</u>	<u>SILTY GREY CLAY</u>
	<u>184</u>	<u>GREY SAND & SILT - COAL</u>
	<u>192</u>	<u>SANDY GREY CLAY</u>
	<u>196</u>	<u>SILTY GREY CLAY - SOFT</u>
	<u>198</u>	<u>SANDY GREY CLAY</u>
	<u>204</u>	<u>GREY SAND - SOME SHARP GRAVEL & TORY SHELL LADEN WITH CLAY FRAMES & SMALL BITS OF SHALE. WATER DIFFICULT TO CLEAR. FORMATION HEAVING INSTALLED SCREEN TO STEEL CASE FORMATION</u>

204'3" Show exact depth of bottom

423539

FOX GRAIN & CATTLE

TO

THE PUBLIC

STATE OF MONTANA
COUNTY OF HILL
8:00 AM

JAN 24 1972

R. E. Blom

COUNTY CLERK

David E. Day
DEPUTY

Fee: \$2.00 pd.

RECORDED

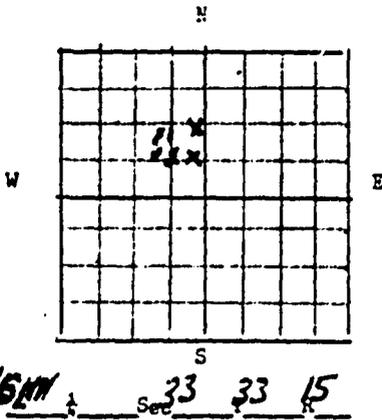
GW. FILE NO. _____

TWP 33 N RGE 10 E 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. Charlotte Brader, of HAVRE
(Name of Appropriator) (Address) (Town)
County of HILL, State of MONT.
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



NSM Sec 33 33 15

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 27' x 2' STEER WATER
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 27 1935 Continuous
27 1937
- 4. The amount of groundwater claimed (in mine's inches or gallons per minute) per day each well 500 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 refinder pumps
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater #1 1935
#2 Nov 1951
- 8. The depth of water table 110' 15' 102' 104'
- 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 110' 30' 102' 15' 102' dig wells 36' diam
- 10. The estimated amount of groundwater withdrawn each year 50000 gal each
- 11. The log of formations encountered in the drilling of each well if available see attached
- 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 Charlotte Brader
Date Jun 21, 1962

Three copies to be filed by the owner with the County Clerk & 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 & Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

397225

CHARLOTTE FRILET

TO

THE PUBLIC

DECLARATION OF VENTED
GROUNDWATER RIGHT
STATE OF MONTANA)

County of Hill) ss.

Filed Dec 31 1963

at 4:30 o'clock P.M.

County Clerk

by _____ Deputy

FE : 2.00 pd.

Residing at _____
My Commission expires _____

File No.

RECEIVED

T. 33 R. 15

DUPLICATE

APR 1 1968

County HILL

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner R. E. Cagel Address P. O. Box 1041 Havre, Mont.

Driller Ernest O. Lee Address Havre, Mont.

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

Date well started 8/8/67 Date completed 9/6/67

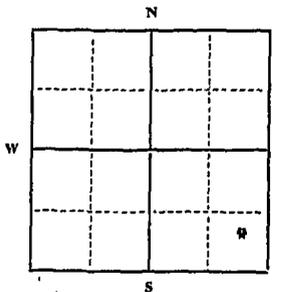
Type of well drilled Equipment used rotary
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

Water use: none 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.

	Top of Ground
	(Elev. above sea level <u>2700</u>)
30	Blue shale
48	coal
225	shale & shells
245	sand shale str.
345	blue shale brn. shale
358	sand
415	shale
452	sandy shale
468	sand gray
550	gray shale
585	sandy shale
604	sand brn.
1242	brn. shale blue shale
1268	shale lime shells
1272	hard lime
1276	black sand
1280	brn. sand
1297	gray sand

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	4" 10#	1297'		jet	1276	1296
cemented from 1197 to 1297 by Montana cementers						



Static Water Level for non-flowing well 150 feet.

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

Pumping Water Level..... 200 feet
at..... 60 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested..... bailler

Length of Test..... 3 hours

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

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

"Colligan" water analysis report
Due to the high sodium & potassium this water is beyond treating (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).

1297'
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.

Mont # 21
Driller's License Number
Ernest Lee
Driller's Signature.

410880

R. E. GAGEL

TO

THE PUBLIC

GROUND WATER APPROPRIATION

STATE OF MONTANA,) ss.
COUNTY OF HILL)
Filed at 12:15 o'clock P. M.

MAR 29 1968
R. E. BLOM
COUNTY CLERK

By _____ DEPUTY

fee: \$2.00 paid

File No.

RECEIVED

T. 33N R. 16E 3

DUPLICATE

NOV 27 1970

County H411

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION 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)

Owner Richard R. Wiesbeck Address Box 947-Havre, Montana

Driller HA-Line Drilling Service Address Havre, Montana

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

Date well started 5/21/70 Date completed 5/28/70

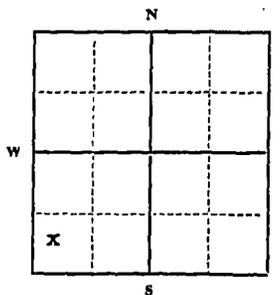
Type of well Drilled Equipment used Cable Tool Rig
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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.

0	Top of Ground
3	Soil (Elev. above sea level.....)
18	Sandy & gravelly brown clay
27	Yellowish-brown clay
41	Gravelly grey clay
43	Sandy grey clay
46	Grey sand & clay mix
52	Coal fragments-trace of water
56	Grey clay
56	Gravelly grey clay
68	Coal fragments
68	Sand, gravel & clay mix
69	Boulder
75	Dark grey clay (Tight)
77	Sandy grey clay
79	Sand, gravel & clay mix
79	Trace of water
90	Sandy grey clay
99	Silty grey clay
102	Tacky grey clay
106	Grey sand & silt-Coal fragments-some water
119	Grey clay
121	Grey sand (fine to med.)
123	Water
123	Fine to coarse sand-gravel
124	Water
124	Sand & gravel (Pea size to 1" diameter)
124	Water exceeding 25 GPM by baler test

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"OD .188 wall	1 1/2 ft. above ground level	113			No perforations-water coming thru bottom of drive shoe at 124 ft. level.
6 5/8"	6 5/8"OD .280 wall	19# per ft	113	124		



Static Water Level for non-flowing well 58 feet.

Shut-in Pressure for Flowing Well Not appl.

Pumping Water Level 60 feet at 16 gal. per minute.

Discharge in gal. per min. of flowing well Not applicable

How Tested Test pump

Length of Test 8 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) Cement-Grout

placed around outside of casing

from 10 ft. below ground level

back to 6 ft. level to seal off

SW 1/4 SW 1/4 Sec. 3, T. 33N R. 16E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

possible surface contamination.

(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).

Doc. No. 419599
Filed for record this 24 day of November A. D. 1970 at 2:20 o'clock P.

124 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.

46
Driller's License Number

Robert Greer
Driller's Signature.

47809

419599

RICHARD R. WIEWECK

TO

THE PUBLIC

NOTICE OF COMPLETION OF
GROUNDWATER APPROPRIATION

STATE OF MONTANA) ss.
COUNTY OF HILL)
at 2:20 o'clock - p.m.

NOV 24 1970

R. E. BLOM
COUNTY CLERK

fee: \$2.00 paid

21

File No.

T. 33 N. R. 16 E

DUPLICATE

County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUN 22 1964

Notice of Completion of Groundwater Appropriation Without Well STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1961

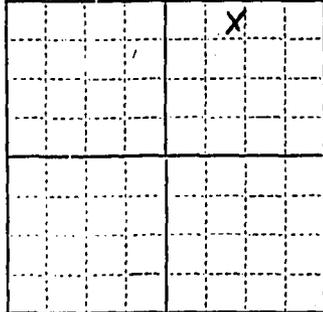
Owner Duane Schnittgen Address Havre, Montana

Contractor (if any) LaSalle Construction

Address of Contractor Havre, Montana

Date Started 1961 Date Completed 1961

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth of water when applicable. dugout spring-fed reservoir, 30 feet deep



NE 1/4 Sec. 27 T. 33 R. 16

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

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

estimate approximate lengths of periods of use 400 acre feet, continuous use.

Signature of Owner Duane Schnittgen

Date 12-30-63

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.

38205

396977

DUANE SCHNEITZLER

TO

THE PUBLIC

COMPLETION OF OR UNMATED
WITHOUT WELL

STATE OF MONTANA)
COUNTY OF HILL) (ss.
Filed at 1:00 o'clock p.m.

ON DEC 30 1963

[Signature]
COUNTY CLERK

DEPUTY

FEE: \$2.00 pd.

27

File No.

T. 33 N R 16 E

QUADRUPLICATE

County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 13 1964

Notice of Completion of Groundwater Appropriation
Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater... 1961

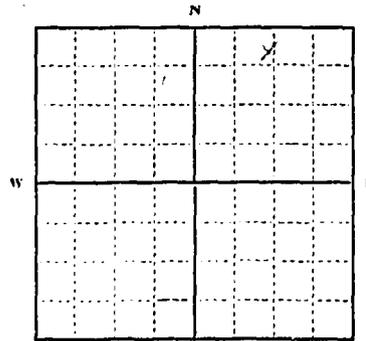
Owner... Duane Schnittgen Address... Havre, Montana

Contractor (if any) ... LaSalle Construction

Address of Contractor ... Havre, Montana

Date Started... 1961 Date Completed... 1961

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable... dugout spring-fed reservoir, 30 feet deep



NE 1/4 Sec. 27 T. 33 R. 16

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

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

estimate approximate lengths of periods of use... 400 acre feet, continuous use.

Signature of Owner... Duane Schnittgen

Date... 12-30-61

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.

31048

396977

DUANE SCHMITZEN

TO

THE PUBLIC

COMPLETION OF GR UNEMATER
WITHOUT WELL

STATE OF MONTANA,)
COUNTY OF HILL)
Filed at 12 o'clock p.m.

ON 7/29/63
J. E. Blain
COUNTY CLERK

VERITY

FEE: \$2.00 pd.

27

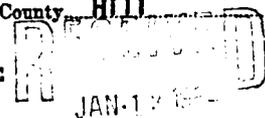
File No.

T. 33 N. R. 16 E

DUPLICATE

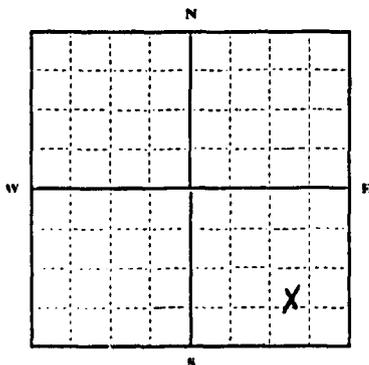
County, Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



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

I, Duane Schnittgen, of Northeast of Havre
(Name of Appropriator) (Address) (Town)
County of Hill State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec 27 T. 33 R. 16

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 household, livestock, irrigation
- Date or approximate date of earliest beneficial use; and how continuous the use has been 1945 - continuous
- The amount of groundwater claimed (in miner's inches or gallons per minute) 30 gallons per minute
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 3 acres in SW 1/4 Section 27, owned by me.
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal large deep well jet pump on SW 1/4 of Section 27.
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1945
- The depth of water table 38'
- 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 100' deep
- The estimated amount of groundwater withdrawn each year 300,000 gallons
- 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 not available

Signature of Owner Duane Schnittgen

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.

3,049

396978

DUANE SCHMITZ

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA
COUNTY OF HILL
Filed 1/22/1978

BY _____
H.G. Blum

FEE: \$2.00 pd.

File No.

MONTANA WATER SCHOOLS BOARD

T. 32N R 16E 33

DUPLICATE

RECEIVED

County HILL

LOG NOV 7 1969

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level) _____

0/10 SILTY BROWN LOAM
5 BROWN SAND
7 SILTY BROWN CLAY
19 SOFT BROWN CLAY
22 SOFT GREY CLAY
24 GREY SILT + SAND - WATER (CASED OFF)
29 SILTY GREY CLAY
46 SANDY GREY CLAY
97 GREY SAND + SILT
61 GRAVELLY GREY CLAY
63 GREY SAND + SILT
SHOW OF WATER (CASED OFF)
128 GREY CLAY - FRAGMENTS OF COAL
83 SANDY GREY CLAY
85 GREY SILT + SAND - WATER
94 SANDY GREY CLAY
109 GRAVELLY GREY CLAY
127 GREY CLAY - FRAGMENTS OF BLUE + GREY SHALE
131 GREY SILT + SAND
WATER - APPROX 40 BPM - CONSIDERABLE SILT (CASED OFF)
140 SANDY GREY CLAY
146 GRAVELLY GREY CLAY
155 GREY CLAY
158 GRAVELLY GREY CLAY
157 GREY SAND - SOME GRAVEL - WATER
160 GRAVEL - WATER - EXCESSIVE 40 BPM
By PALER TEST

160 Show exact depth of bottom.

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner E. J. PERIN Address 224 6TH ST HAURE, MONTANA
Driller ALVIN DRILLING SERVICE Address HAURE, MONTANA

Date of Notice of appropriation of groundwater _____

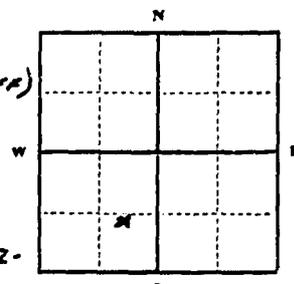
Date well started NOVEMBER 20, 1967 Date completed NOVEMBER 27, 1967

Type of well DRAILED Equipment used CABLE TOOL RIG
(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)
6 7/8"	6 3/4" O.D.	1 1/2 FT ABOVE				NO PERFORATIONS WATER COMING IN FROM BOTTOM OF DRIVE SAGE AT 160 FT.
	13" PER FOOT	LAND LEVEL	160			



Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well 46 APPROX _____ feet.

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

Discharge in gal. per min. of flowing well _____

How Tested BY PALER TEST F.A.M.P.

Length of Test 6 HOURS

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

SE 1/4 SW 1/4 33 T. 33 R. 16
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

46

Driller's License Number

Alvin Driller
Driller's Signature

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

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

44,108

411126

E. J. PEPIN

TO

THE PUBLIC

GROUND WATER APPROPRIATION

STATE OF MONTANA)
COUNTY OF HILL) ss.
Filed at 1:25 o'clock P M

MAY 6 1968

R. E. STOM
COUNTY CLERK

By _____
DEPUTY

fee: \$2.00 paid

GW

File No.

DUPLICATE

T. 33^N R. 16^E 34

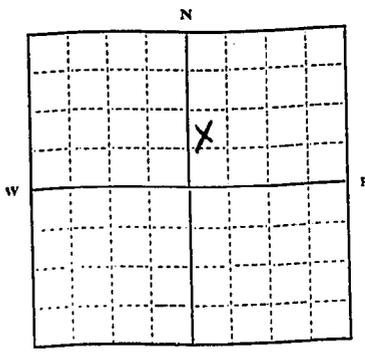
County RECEIVED JAN 18 1962

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. E. L. MEI WALD-WILFRED A. MEI WALD PART A SHAMBO RTE. HAYRE
(Name of Appropriator) (Address) (Town)

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



1/4 Sec 34 T. 33 R. 16
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 dwelling and stock
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. acquired place July 1957
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). About 3500 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. Does not apply
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. 4 horse jet pump
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. No idea
- 8. The depth of water table. No idea
- 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. This well is said to be 65 feet deep, but we only use 35 feet of pipe
- 10. The estimated amount of groundwater withdrawn each year. 1, 277, 500 gal.
- 11. The log of formations encountered in the drilling of each well if available. None available, but presumed straight sand!
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner E. L. Meiwald
W. J. General
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.

31285

397259

E. L. MEIWALD, WINIFRED A.
MEIWALD

TO

THE PUBLIC

DECLARATION OF VESTED GROUND
WATER RIGHTS

STATE OF MONTANA } ss.
COUNTY OF HILL }

Filed at 3 o'clock p.m.

ON JAN 2 1963

W. B. Blain
COUNTY CLERK

BY _____ DEPUTY

Fee: \$2.00 pd.

File No. _____

T. 33 N R. 16 E 34

DUPLICATE

County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

RECEIVED
OCT 23 1964

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Duane Schnittgen Address North Havre, Mont.

Driller Simpson Drilling Co. Address Malta, Montana

Date of Notice of appropriation of ground water _____

Date well started Oct. 14 1964 Date Completed Oct. 15 1964

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

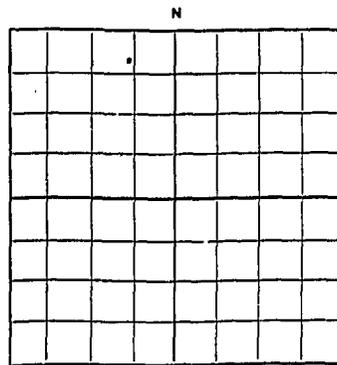
Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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.

Top of Ground
(Elev. above sea level _____)

1 top soil
3 brown clay
8 brown sanrock
40 brown sandstone
42 rock layer
50 brown sand
53 gravel and sand

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5"	4" 9lbs.	0	53			



NEVA NW Sec. 34 T. 33 R. 16
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing well 27 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 35 feet

at 10 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested bailer

Length of Test 2 hours

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) _____

53

Show exact depth of bottom.

15

Driller's License Number

Duane Schnittgen
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 School of Mines and Quadruplicate for Appropriator.

DOC. NO. 400805

DUANE SCHEITZEN

TO

THE PUB LTD

NOTICE OF COMPLETION OF
GROUNDWATER APPRO. BY
MEANS OF WELL

STATE OF MONTANA, ss.
COUNTY OF HILL

Filed at _____ o'clock _____ m.

ON 18 OCT 49 1964

Blain
COUNTY CLERK

By _____
DEPUTY

Fee: \$ 2.00 pd

GW1

File No.

DUPLICATE

Township of Kottick

RECEIVED
JUL 3 1964

T. 33N R. 16E
County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 13 1965

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1964)

STATE ENGINEER

1. I, BRUCE KELLAM, of Box 206 HAYRE
(Name of Appropriator) (Address) (Town)

County of Hill, State of MONTANA, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is IRRIGATION
NW 1/4 SW 1/4 of Sec 35 - SW 1/4 - SE 1/4 Tm. 33, Range 16
(describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed.....
3500 GAL PER. MINUTE

4. The annual period (inclusive dates) of intended use APRIL 1 to OCT

5. The probable or intended date of first beneficial use 1965

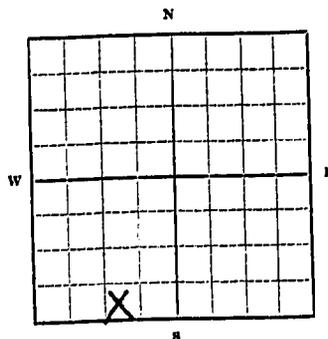
6. The probable or intended date of commencement and completion of the well* or wells*
1965

7. The location, type, size and depth of well or wells contemplated 14' X 30'

8. The probable or estimated depth of the water table or artesian aquifer 30'

9. Name, address and license number of the driller engaged Bud JACOBSON
HAYRE, MONT.

10. Give such other similar information as may be useful in carrying out the policy of this act. 7-TEST HOLES TO 100' - AMPLE WATER FROM 30 TO 120' - IN GRAVEL



..... 1/4 Sec 35 T. 33N R. 16E
Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Bruce Kellam
Date 12/27/63

* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn."

Three copies of this notice are to be filed with 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.

31127

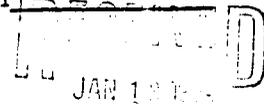
GW-4
FILE NO. _____

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

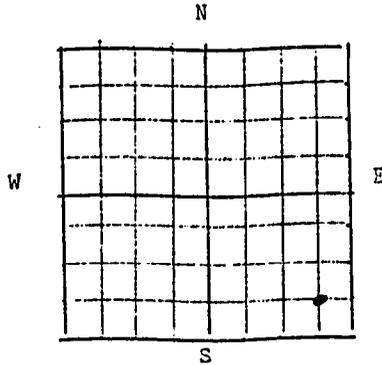
TWP 33^N RGE 16^E
COUNTY _____

35



DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1962)

1. Guy Stevens, of Shamba Rts Plant A Hamma
(Name of Appropriator) (Address) (Town)
County of Hill, State of Mont.
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



S.E. 1/4 Sec 35 T 33 R 16

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 Domestic Stock Water Irrigation 8 unit motel.
- Date or approximate date of earliest beneficial use; and how continuous the use has been 1950 Almost continuously
- The amount of groundwater claimed (in miner's inches or gallons per minute) 1 gal per minute
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 2 acres Guy Stevens
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1/2 H.P. automatic pump
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1950
- The depth of water table well in 139 ft deep water comes 8 ft from top
- 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 _____
- The estimated amount of groundwater withdrawn each year 180,500 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 Guy Stevens
Date Dec 31-1967

Three copies to be filed by the owner with the County Clerk & 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 & Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

31158

397100
397100

GUY STEVENS

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA) ss.
COUNTY OF HILL)
Filed at 11 o'clock a.m.

ON 11-31-1963

COUNTY CLERK
DEPUTY

PER: \$2.00 pd.

File No. _____

T 33^N R 16^E 36

DUPLICATE

County Miss

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DEC 4 1964

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 27, Montana Session Laws, 1961)

Top of Ground
(Elev. above sea level.....)
2 top soil
9 brown clay
14 gravel
28 brown clay
74 brown sandstone
86 blue sandstone water

Owner KNAEPEL MARTEN Address HAYRE, MONTANA

Driller SIMPSON DRILLING CO. Address MALTA, MONTANA

Date of Notice of appropriation of ground water _____

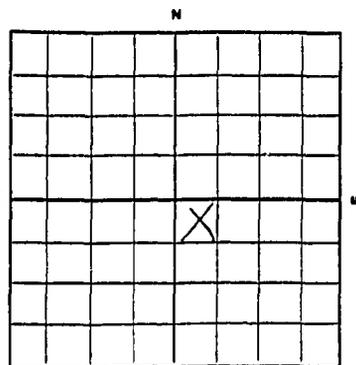
Date well started SEPT. 22, 1964 Date Completed SEPT. 28, 1964

Type of well DRILLED Equipment used CABLE TOOLS
(dug, driven, bored or Churn, drill, rotary or drilled) other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7	6 I D 19 LBS 0		76			
6	4 I D 11 LBS 74		86	XXX 3/16	XXX 76	XXX 86



S.E. 1/4, 36 Sec. 33, T. 16 R. 36
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing well 15 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 65 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested BAIJER

Length of Test 2 HOURS

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) _____

15
Driller's License Number

Paul J. Jacobs
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 School of Mines and Quadruplicate for Appropriator.

38152

DOC. NO. 401526

KRAFT & MARTEN

TO

THE PUBLIC

NOTICE OF COMPLETION OF
GROUNDWATER APPRO. BY
MEANS OF WELL

FILED
COUNTY CLERK
at 3:20 o'clock p.m.

NOV 2 1964

L. E. Blum
COUNTY CLERK

Fees - \$ 2.00 pd.

File No. _____

DUPLICATE

JUL 8 1964

T 33N R 16E 35

County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

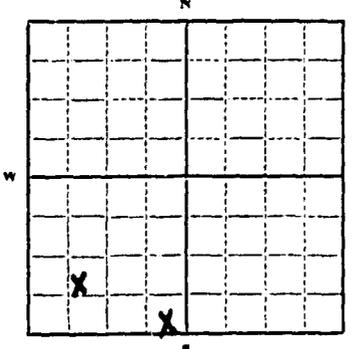
RECEIVED
JAN 1 1965

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. BRUCE KENAM, of Box 206 HAVER
(Name of Appropriator) (Address) (Town)
County of Hill State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec 35 T33N R16E

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 AND HORSEHAID USE
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1904 - EVERY YEAR SINCE
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 17 MINER INCHES
- 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 N 1/2 OF SECTION 35 AND SW 1/4 - SE 1/4 Township 33, Range 16 BRUCE KENAM
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal ELECTRIC PUMPS

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1946 and 1959
- 8. The depth of water table 19' - 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 2x18" - 2x18"
- 10. The estimated amount of groundwater withdrawn each year 500,000
- 11. The log of formations encountered in the drilling of each well if available Not available to me

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 records see list of my transcripts, sample of both wells were found into the table by the well driller Robert M. C. Peterson (Appraiser) and Jackson - Simpson Drilling Co.

Signature of Owner Bruce Kenam
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; Triplicates to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.