

397220

VIVIAN WILLIAMS

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

COUNTY CLERK

DEPUTY

FEE: \$2.00 pd.

File No. _____

T. 32N16E

DUPLICATE

County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 13 1964

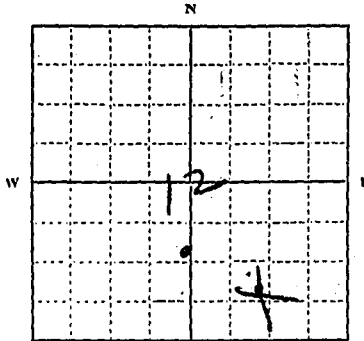
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, VIVIAN WILLIAMS, of Box 334 HAYR
(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 SW 1/4

12 Sec. 1 T. _____ R. _____

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1946 WINTER
Stock Water

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 GAL PER MIN.

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

None

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater JULY 15th 1946

8. The depth of water table 6 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 12 ft deep dug well.

Stone & Concrete curb.

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 The estimated amount of groundwater withdrawn each year 10,000 gal.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

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 Vivian Williams

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.

397219

VIVIAN WILLIAMS

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

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

9-1-1963
[Signature]
COUNTY CLERK

MEI 017

FEE: \$2.00 pd.

[Circular stamp]

[Vertical handwritten notes]

File No. _____

T 32 N R 16 E 2
N.W.S. Malta

DUPLICATE

County Hill

Top of Ground
(Elev. above sea level.....)

1 top soil
27 brown sand
27 4 blue clay
40 brown clay
63 gravel & water

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAY 13 1964

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Harold Cassile Address Malta, Montana

Driller Simpson Drillind Co. Address Malta, Montana

Date of Notice of appropriation of ground water _____

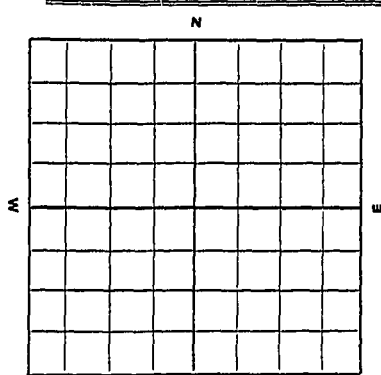
Date well started 2-6-1964 Date Completed 2-8-1964

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)
6 1/2"	6" 15 lbs	1' A. G	63			



N.W. 1/4 - 2 Sec. 32 - T. 16 N. R. 16 E.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing well 5' feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 50' feet at 8 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) _____

15
Driller's License Number

[Signature]
Driller's Signature

63 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.

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.

38078

Doc. No. 398747

HAROLD CASSILE
HAVRE, MONTANA

TO
THE PUBLIC

NOTICE OF COMPLETION OF
UNDERGROUNDWATER APPRO.
BY MEANS OF WELL

STATE OF MONTANA, ss.
COUNTY OF HILL)
Filed at 2:00 o'clock P.M.

ON MAY 11 1964

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 LESTER PASMA

Address STAR RT 36 BOX 172

HAURE, MONTANA

Date well started 3/16/72

completed 3/18/72

Type of well DRILLED

Equipment used CABLE TOOL RIG

Water Use: Domestic Municipal Stock Irrigation

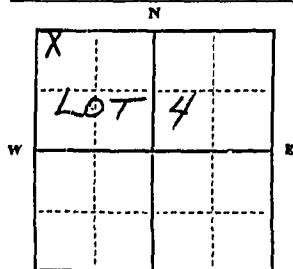
Industrial Drainage Other Garden/Lawn

*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 500,000 GALLONS

Well Pit	Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
					Kind Size	From (Feet)	To (Feet)
12'			0	6			
6 7/8"		1 1/2 FEET ABOVE GROUND LEVEL	6	16	(NO PERFORATIONS)		
				41	WATER COMING IN TARDY BOTTOM OF DRIVE COLLAR AT 41 FOOT LEVEL		



NW 1/4 Sec. 2
T. 32 N. R. 16 W.

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

Driller's Signature Robert Davis H-Line Drilling Service

Driller's Address 1173 6TH ST No. HAURE, MONTANA 59501 PHONE 265-4210 LICENSE NO. 46

391116E
County Hill

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0 TO 6		EXISTING WELL PIT
12		SANDY + SILTY BROWN CLAY
17		SOFT BROWN CLAY
25		GREY CLAY
30		GREY SILT + SAND - TRACE OF GRAVEL (CASED OFF)
33		SOFT GREY CLAY
38		SANDY GREY CLAY
40 1/2		BROWN SAND - SOME GRAVEL - BITS OF COAL - WATER - APPROX 5 GPM
41		BROWN SAND + GRAVEL - WATER - APPROX 10 GPM
		HARDNESS 37 GRAINS
		IRON 2 PPM
		PH 6.5
		SULFATE MODERATE

41 Show exact depth of bottom

54054

428378

LESTER PASMA

TO

THE PUBLIC

WATER WELL

STATE OF MONTANA } SS
COUNTY OF HILL }
Filed at 4:15 o'clock P.M.

ON JUN 27 1973

R. E. Blom

BY R. E. Blom COUNTY CLERK
DEPUTY

Fee: \$2.00 pd.

INDEXED

INDEXED

JUN 27 1973

X

RECEIVED

FILED

File No. _____

T. 22^N R. 16^E

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECORDED
JAN 17 1963

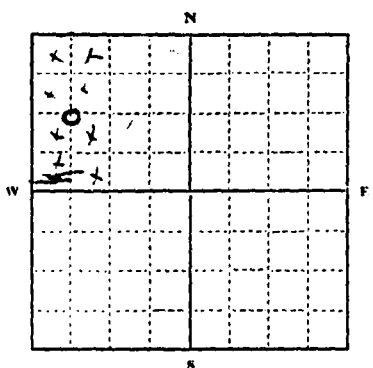
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Bella G Christian, of Box 26 Hammonk
(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 3 T. 22 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 Household + garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1910 & continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) water from well or cell used to be made on land

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 land around dwelling

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal well approximately 30 rd from dwelling

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater about 1909 or 1910

8. The depth of water table 210 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 By electric pump - 210 ft deep

10. The estimated amount of groundwater withdrawn each year 40,000 gal. or

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 Bella G Christian

Date 2-31-63

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.

397106

BELLA G. CHRISTIAN

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

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

ON — 05 21 1953

I. E. Blain
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. S. ...

Address 124 ...

Date well started 4/1/62

completed 1/4/62

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

Equipment used ...
(Churn drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation

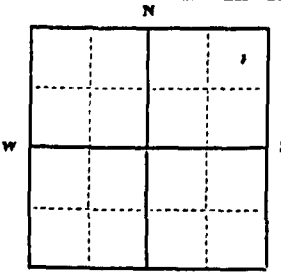
Industrial Drainage Other * Garden/Lawn

*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 (Foot)	To (Foot)	PERFORATIONS		
				Kind	From (Foot)	To (Foot)
9 1/4	6 5/8	0	100			100



Static water level 33 ft.*
Pumping water level 22 ft.*
at 60 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by P.S.
for ... hours.
Power 1/2 Pump ... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

NE 1/4 NE 1/4 Sec. 3
T. 32 N R. 10 E
Lot 8 Hoxens & Dees W

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

Driller's Signature [Signature]

Driller's Address 1200 ...

[Signature] LICENSE NO. ...

321 10E
County Hins

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 (Foot)	To (Foot)	
0	10	SANDY CLAY
10	15	SANDY BROWN CLAY
15	30	COARSE SAND
30	105	GRAVEL STRATA
105

Show exact depth of bottom

50,265

426395

HALLIBURTON SERVICES

TO

THE PUBLIC

WATER WELL

STATE OF MONTANA,)
COUNTY OF HILL) ss.
APR 25 1972

R. E. Blom
COUNTY CLERK

R. E. Blom
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 JACK & ANDREY HUNGER

Address STAR RT. 36
EAST HAIRE, MONTANA

Date well started SEPT. 18, 1972
completed SEPT. 27, 1972

For Administrator's Use	
File	<u>425107</u>
	<u>JUNE 4, 1973</u>
GW	<u>345 p.m.</u>

Type of well DRILLED
(Dig, driven, bored or drilled)

Equipment used CABLE TOOL RIG
(Chain drill, rotary or other)

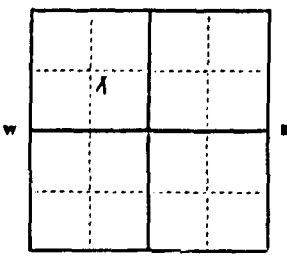
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other Garden/Lawn

*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 EXCEEDING 400,000 GALLONS

Size of Third Hole	Size and Weight of Collar	From (Foot)		To (Foot)		PERFORATIONS
		0	20	97	118	
<u>8 5/8"</u>						<u>(NO PERFORATIONS)</u> <u>WATER COMING IN</u> <u>THRU BOTTOM OF</u> <u>DRIVE SHOOT AT 118</u> <u>FOOT LEVEL</u>
<u>6 5/8"</u>	<u>2 1/2" O.D.</u> <u>(180 WALS)</u> <u>15 1/2" W.P.</u>	<u>1 FOOT</u> <u>ABOVE</u> <u>GROUND</u> <u>LEVEL</u>		<u>97</u>		
	<u>6 5/8" O.D.</u> <u>(219 WALS)</u> <u>15 1/2" W.P.</u>		<u>97</u>	<u>118</u>		



5 E 1/4 Sec. 3
T. 32 N. R. 16 E

Static water level 50 ft.
Pumping water level 117 ft.
at 9 1/2 gallons per minute,
measured 300 minutes after pumping
began.
*Measured from ground level.
Well developed by BAUER & P.M.A.
for 10 hours.
Power ELECTRIC Pump 1/2 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) SURFACE
8 5/8" P.D. DRING INSTALLED TO
20 FT. UPON COMPLETION OF WELL
ANNULAR SPACE FILLED WITH
BRITNITE. BACK TO 7 FT. LEVEL

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

Driller's Signature Robert Green Hi-Line Drilling Service

Driller's Address 1173 6th St. No. Phone 265-4210
HAIRE, MONTANA 59501 LICENSE NO. 46

County Hill 3

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 (Foot)	To (Foot)	
<u>0 TO 3</u>		<u>GRAVELLY SOIL</u>
<u>31</u>		<u>GRANITE & SANDSTONE</u> <u>FRAGMENTS</u>
<u>40</u>		<u>BROWN CLAY</u>
<u>44</u>		<u>GREY CLAY - SAND</u> <u>FRAGMENTS</u>
<u>48</u>		<u>GREY SAND & CLAY MIX</u> <u>SOME WATER</u>
<u>50</u>		<u>GREY CLAY</u>
<u>52</u>		<u>GREY SILTY CLAY</u>
<u>70</u>		<u>GREY CLAY - FRAGMENTS</u> <u>OF SHALE</u>
<u>84</u>		<u>SANDY GREY CLAY</u>
<u>93</u>		<u>SILTY GREY CLAY -</u> <u>COAL FRAGMENTS</u>
<u>103</u>		<u>GREY CLAY - SAND</u> <u>FRAGMENTS</u>
<u>105</u>		<u>BROWN CLAY - SAND</u> <u>WITH COAL</u>
<u>112</u>		<u>GREY CLAY</u>
<u>115</u>		<u>SANDY GREY CLAY -</u> <u>TRACE OF GRAVEL</u>
<u>116</u>		<u>SAND - VERY LITTLE</u> <u>GRAVEL - WATER</u>
<u>118</u>		<u>SANDY BROWN SANDSTONE</u> <u>SAME WATER</u>
<u>128</u>		<u>BROWN SANDSTONE -</u> <u>WATER - APPROX</u> <u>8 TO 10 GALLONS</u>
<u>130</u>		<u>BLUE GREY SAND</u>

130 Show exact depth of bottom

428107

JACK HINKLE & AUDREY HINKLE

TO

THE PUBLIC

WATER WELL

STATE OF MONTANA } SS
COUNTY OF HILL }
Filed at 3:45 o'clock P M

ON JUN 4 1973

R. E. Blom

COUNTY CLERK
BY *Paul E. Day*
DEPUTY

Fee: \$2.00 pd.

INDEXED

[Faint, mostly illegible handwritten notes and stamps, possibly including a date stamp 'JUN 4 1973' and other administrative markings.]

File No. _____

Doc. No. 416576

T. 32 R. 16 3

DUPLICATE

Filed for record this 13 day of January

County Hill

LOG

A. D. 19 70, at 1:15 P.M. STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

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

Operation consisted of deepening, re-lining & cementing existing well which was drilled to depth of 218 ft. & cased to approx. 175 ft. Yield 2 1/2 to 3 GPM

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Ethel A. George Jurienka Address 217 4th St. Havre, Mont.

Driller: H. L. Luce Drilling Service Address Havre, Montana

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

Date well started 2/8/67 Date completed 2/11/67

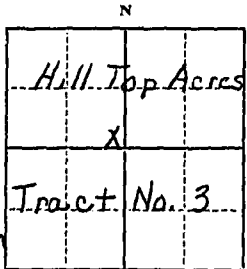
Type of well Drilled Equipment used Cable tool rig
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

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.

- 218 Top of Ground
- 221 Blue shale
- 222 Dark brown shale
- 231 Blue shale
- 232 Dark brown shale
- 240 Blue-grey shale
- 243 Sandy light brown shale
- 245 Sandy grey shale
- 248 Grey shale
- 254 Sandy brown shale
- 255 Dark brown shale
- 258 Grey shale
- 262 Sandy lt. brown shale
- 268 Shaley grey sandstone - water approx. 1 GPM
- 270 Dark brown shale
- 274 Sandy brown shale
- 275 Firm sandstone shell w
- 283 Grey sandstone - water - exceeding 25 GPM
- Baler test at 155 ft. level yielded 15 GPM
- Well has small amount of natural gas when baled below 150 ft.
- 283 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 1/4	5 9/16" O.D. 11# per ft	Floor level	274	(No Perforations)		
				Casing set on hard sandstone shell at 274 and cemented - water coming thru bottom of casing - sandstone below 274 - to floor - not cased		



Static Water Level for non-flowing well 86 feet.

Shut-in Pressure for Flowing Well Not Appl.

Pumping Water Level 105 feet

at 4 1/2 gal. per minute.

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

How Tested Baler - 5" cylinder - p.w.m.p.

Length of Test 4 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) Casing set at 274' & cemented. All upper water formations cemented off.

(Continue on reverse side)

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

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

416
Driller's License Number
H. L. Luce
Driller's Signature

46048

416576

ETHEL A. OR GEORGE JURENKA.

TO

THE PUBLIC

NOTICE OF GROUNDWATER
APPROPRIATION

STATE OF MONTANA,)
COUNTY OF HILL) ss.

Filed at 1:15 o'clock P.M.

JAN 13 1970

R. E. BLOM

COUNTY CLERK

By Nora Nelson

DEPUTY

fee: \$2.00 paid

MONTANA WATER RESOURCES BOARD
RECEIVED
JAN 15 1970

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 JOHN L. & VERA C. KING
Address Box 494
HAURE, MONTANA
Date well started OCTOBER 2, 1972
completed OCTOBER 14, 1972

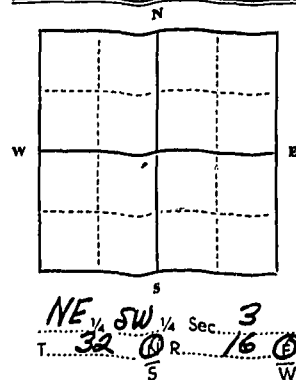
For Administrator's Use	
File <u>126834</u>	Date <u>Jan 9, 1973</u>
GW 1	<u>3:45 P.M.</u>

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 EXCEEDING 600,000 GALLONS

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
<u>9/8</u>		<u>0</u>	<u>96</u>	(NO PERFORATIONS) WATER COMING IN THRU BOTTOM OF DRIVE SHOE AT 160 FT LEVEL NOTE: 3 FEET OF GRAVEL LEFT INSIDE OF CASING FROM 160 BACK TO 157 FT.
<u>6 5/8</u>	<u>6 5/8" O.D. (138 WALL) 13# PER FOOT</u>	<u>1 FOOT ABOVE GROUND LEVEL</u>	<u>139</u>	
	<u>6 5/8" O.D. (141 1/2 WALL) 15# PER FT.</u>	<u>139</u>	<u>160</u>	



Static water level 91 1/2 ft.*
Pumping water level 94 ft.*
at 14 gallons per minute,
measured 240 minutes after pumping
began.
*Measured from ground level.
Well developed by BAKER'S PUMP
for 10 hours.
Power ELECTRIC Pump 3/4 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) HOLE REAMED
TO 9 1/2" DIAMETER TO 96 FT. BEFORE
CASING INSTALLED. UPON COMPLETION
OF WELL, ANNULAR SPACE FILLED
WITH BENTONITE + DRILLING
MUD

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

Driller's Signature Robert Brown HI-LINE DRILLING SERVICE
Driller's Address 1173 6TH ST. NO. HAURE, MONTANA 59501 PHONE 265-4410
LICENSE NO. 46

32 N-16 E
County HILL 3
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 TO 3</u>	<u>GRAVELLY SOIL</u>
<u>8</u>	<u>SANDY + GRAVELLY BROWN CLAY</u>
<u>18</u>	<u>BROWN CLAY</u>
<u>27 1/2</u>	<u>BROWN CLAY - SMALL BOULDERS</u>
<u>28 1/2</u>	<u>BOULDER</u>
<u>34</u>	<u>BROWNISH-GREY CLAY</u>
<u>42</u>	<u>GREY CLAY</u>
<u>62</u>	<u>SANDY GREY CLAY</u>
<u>90</u>	<u>GREY CLAY - GRAVELLY AT TIMES</u>
<u>96</u>	<u>SANDY GREY CLAY</u>
<u>99</u>	<u>SATURATED SAND + CLAY MIX - CAVING BADLY - (CASED OFF)</u>
<u>112</u>	<u>GREY CLAY</u>
<u>117</u>	<u>SANDY GREY CLAY</u>
<u>138</u>	<u>SILTY GREY CLAY</u>
<u>132</u>	<u>RUNNY GREY SAND</u>
<u>140</u>	<u>SANDY GREY CLAY</u>
<u>153</u>	<u>GREY CLAY</u>
<u>157</u>	<u>SANDY GREY CLAY</u>
<u>158</u>	<u>SAND - SOME LARGE GRAVEL - WATER</u>
<u>159</u>	<u>SAND + GRAVEL - WATER YIELD INCREASED TO 12 GPM</u>
<u>160</u>	<u>GRAVEL - PEA SIZE TO 1 1/2" DIAMETER - AND SAND - WATER INCREASED TO APPROX. 20 GPM</u>

160 Show exact depth of bottom

426834

John L.KING & VERA C. KING

TO

THE PUBLIC

WATER WELL

STATE OF MONTANA } SS
COUNTY OF HILL }
Filed at 3:45 o'clock P.M

ON JAN 9 1973

R. E. Blom

COUNTY CLERK

BY Dorothy E. Day
DEPUTY

Fee:\$2.00 pd.

INDEXED

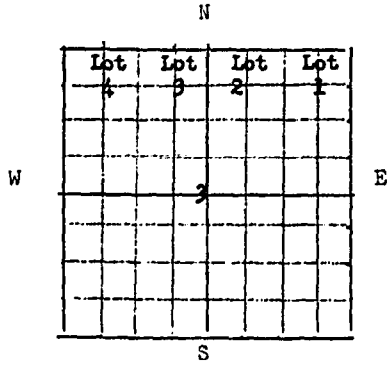
GW 4
FILE NO. _____
DUPLICATE.

TWP 32 N RGE 16 E
COUNTY RECEIVED
APR 4 1962

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. Paul F., Anna M., P. James, Francis B. Krezelak of Box 911 Havre, Montana (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 part of Lot 3 Sec. 3 T32N 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 Operation of Slaughterhouse & Rendering Plant
Industrial use
3. Date of approximate date of earliest beneficial use; and how continuous the use has been 1945 continuous daily and still operating
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 25 G.P.M.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof No
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 3 Horse electric jet pump, location as per plot designated
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater completed 1945
8. The depth of water table 62 feet 3 inches
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" casing 93 ft. 6 in. deep
10. The estimated amount of groundwater withdrawn each year Full capacity of well
11. The log of formations encountered in the drilling of each well if available NE 9' clay & sand, 17' sand & gravels, 48' yellow clay, 586' blue clay with gravels 2' sand & gravel cemented, 10' sand & gravel (water)
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Log kept by R. J. McCutcheon licensed well driller, Havre, Montana

Signature of Owner FRANCIS B. KREZELAK ET AL
P. James Krezelak - Sec.
Date April 2, 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.

DOCUMENT NO. 388100

PAUL F., ANNA M., JAMES,
FRANCIS B. KREZELAK

TO

THE PUBLIC

DECLARATION OF VESTED GROUNDWATER
RIGHTS #4

STATE OF MONTANA,)
COUNTY OF HELL) ss.
Filed and 5 o'clock P.M.

ON APR 2 1962

G.C. YEON
COUNTY CLERK

By _____
DEPUTY

FEE \$2.00- paid

GW-4
FILE NO. _____
DUPLICATE

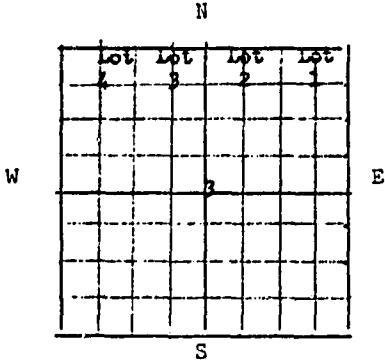
TWP 32^N RGE 16^E
COUNTY _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 1 1962

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

1. Paul F., Anna M., P. James Francis P. Kozelak, of Box 911 Havre, Montana (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:



- 2. The beneficial use on which the claim is based
~~Operation of slaughterhouse & Rendering Plant~~
Industrial use
- 3. Date or approximate date of earliest beneficial use; and, how continuous the use has been
~~Sept. 1954 continuous daily and still operating~~
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute)
75 G.P.M.
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
No

NE part of Lot 3 Sec 3 T 32N R 16E

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, ~~horse electric turbine pump, location as per plot designated~~
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. ~~completed Sept. 1954~~
- 8. The depth of water table ~~65 ft. 8 in.~~
- 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 in casing 97 ft. 1 in.~~
- 10. The estimated amount of groundwater withdrawn each year ~~full capacity of well~~
- 11. The log of formations encountered in the drilling of each well if available
~~81' sand & gravel, 60' sand, gravel some clay, 47' blue gray clay solid in places, 1' sand & gravel, 61' sand & some stones, 7' sand & gravel, Judith River shales bottom of hole~~
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
~~Log kept by R.I. McCutcheon licensed well driller, Havre, Montana~~

Signature of Owner PAUL F. KOZELAK ET AL
P. James Kozelak
Date April 2, 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.

DOCUMENT NO. 388101

PAUL F. ANNA M. P. JAMES,
FRANCIS P. KREZELAK

TO

THE PUBLIC

DECLARATION OF VESTED GROUNDWATER
RIGHTS #4

STATE OF MONTANA, vs.
COUNTY OF HILL)
Filed at 4:45 o'clock P.M.

QW APR 2 1962
G.C. YEON

COUNTY CLERK

BY _____ DEPUTY

FEE \$2.00- paid

File No. _____

T 32N R 16E 3

DUPLICATE

County HILL

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 A. B. OGDEN Address Box 322 HAURE, MONT

Driller H-LINE DRILLING SERVICE Address HAURE, MONTANA

Date of Notice of appropriation of groundwater _____

Date well started JUNE 1, 1968 Date completed JUNE 15, 1968

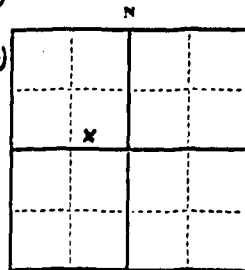
Type of well DRILLED Equipment used CABLE TOOL RIG
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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.

- Top of Ground (Elev. above sea level _____)
- 0-10 GRAVELLY SOIL
- 2 GRAVELLY BROWN CLAY
- 14 BROWN SAND (DRY)
- 18 SAND + GRAVEL (DRY)
- 20 SANDY BROWN CLAY
- 25 GRAVELLY BROWN CLAY
- 32 BROWN SAND
- 34 GRAVEL
- 56 GRAVELLY BROWN CLAY
- 58 BROWN SAND-COAL FRAGMENTS-TRACE OF WATER (CASED OFF)
- 61 SANDY BROWN CLAY
- 67 GRAVELLY BROWN CLAY
- 68 FLUNNY BROWN SAND (CASED OFF)
- 72 GRAVELLY GREY CLAY
- 73 BOULDER
- 76 GRAVELLY GREY CLAY
- 85 GREY CLAY-FRAGMENTS OF SHALE
- 91 SILTY GREY CLAY
- 94 GREY SILT
- 120 GRAVELLY GREY CLAY
- 122 GREY SILTY SAND-WATER (CASED OFF)
- 134 GREY CLAY
- 136 GREY SILT-SAND-WATER (CASED OFF)
- 148 GRAVELLY GREY CLAY
- 167 GREY CLAY-FRAGMENTS OF SHALE
- 171a GRAVELLY GREY CLAY
- 172 GREY SAND + SILT - WATER
- 172a SAND + SILT - SOME GRAVEL
- 174 SAND + SILT
- 176 SAND + GRAVEL - WATER - EXCEEDING 30 GPM - WATER NOT CLEARING DUE TO SMALL SHALE FLAKES + SILT IN FORMATION
- 178 BROWN SHALE - JUDGY SHELL
- 191 GREY TO BLUE-GREY SHALE
- 206 SANDY GREY SANDSTONE - WATER (APPROX 4 GPM)
- 207a HARD SHELL
- 212 GREY SANDSTONE - WATER - INCREASING TO APPROX 15 GPM
- 212 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 3/8"	6 3/8" O.D. 18" PER FT (CASED WALL)	1 FOOT ABOVE GROUND LEVEL	180	NO PERFORATIONS		
6 3/8"	5 1/2" O.D. 1.70 WALL BASTILE	171	191	TAP BOTTOM OF 5 1/2" CASING AT 191 FT LEVEL NO CASING BELOW 191 FT		
6 3/8"	NO CASING	191	212	SANDSTONE LEFT OPEN		



TRACT 2
SE 1/4 SEC. 3, T32N R16E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 108 feet.

Shut-in Pressure for Flowing Well NOT APP.

Pumping Water Level 148 feet at 7 gal. per minute.

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

How Tested PUMP

Length of Test 10 HOURS

Remarks: (Gravel packing, cementing, packers, type of shutoff) 20 FOOT LENGTH OF 5 1/2" PLASTIC CASING CEMENTED IN FROM 171 TO 191 FT LEVEL TO ELIMINATE ANY CHANCE OF LEAKS.

WATER COMING IN AROUND DRIVE SHAFT AT 180 FT. NO CASING INSTALLED BELOW 191 FT. SANDSTONE LEFT OPEN (Continue on reverse side)

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

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

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

46
Driller's License Number

Robert Brian
Driller's Signature

45,006

412937

A. B. OGDEN

TO

THE PUBLIC

NOTICE OF
GROUNDWATER APPROPRIATION

STATE OF MONTANA,
COUNTY OF HILL)
Filed at 2:00 o'clock P.M.

FEB 17 1969

R. E. BLOM
COUNTY CLERK

DEPUTY

FEE: \$2.00 paid

File No.

T R

DUPLICATE

County Hill

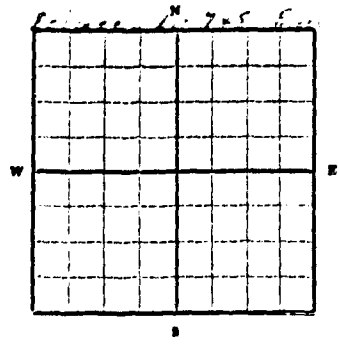
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. John Higgins of Shambo P.O. & Harce
(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:



N.E. 1/4 Sec. 7 T. 2 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 Domestic
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 1956
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gpm
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1 1/2" pipe

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 7/10/56
- 8. The depth of water table 103'
- 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 103' 4 1/2" 2 1/2" pipe
- 10. The estimated amount of groundwater withdrawn each year 200,000
- 11. The log of formations encountered in the drilling of each well if available 6-20' sand clay with thin lenses of gravel 70-103' sand gravel 103'-124' 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

Signature of Owner John Higgins
Date 7-10-56

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.

DOCUMENT NO. 387593

LAWRENCE M. O'LEARY
AND URBAN KEPPERS
TO
THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA, ss.
COUNTY OF HILL)
Filed at 11:45 o'clock A.M.

ON FEB 23 1962

G.C. YEON
COUNTY CLERK

By _____
DEPUTY

FEE \$2.00- paid

RECEIVED

321-16E
County HILL

MAR 9 1972

DRILLER'S LOG

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 HERMAN P. & JOYCE PRUYS
Address STAR RT. 36
EAST HAURE, MONTANA
Date well started MAY 21, 1969
completed MAY 24, 1969

For Administrator's Use
File <u>423.901 Mon. 2/19/72</u>
GW <u>1</u>

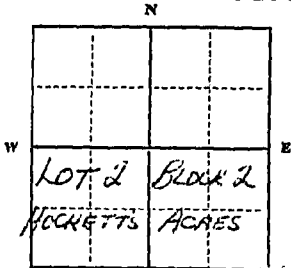
Type of well DRILLED
(Dug, driven, bored or drilled)
Equipment used CABLE TOOL RIG
(Churn drill, rotary or other)

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 EXCEEDING 600,000 GALLONS

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>8</u>	<u>6 5/8" O.D. / FOOT ABOVE GROUND LEVEL</u>	<u>0</u>	<u>22</u>	<u>(NO PERFORATIONS)</u>		
<u>6 5/8"</u>	<u>13# PER FOOT 1 3/4" WALL STEEL</u>	<u>80</u>	<u>80</u>	<u>WATER COMING IN THRU BOTTOM OF DRIVE SHAPE AT 80 FOOT LEVEL</u>		



Static water level 15 ft.
Pumping water level 28 ft.*
at 10 gallons per minute,
measured 180 minutes after pumping began.

*Measured from ground level.
Well developed by BAKER PUMP
for 6 hours.
Power ELECTRIC Pump 1/2 HP

Remarks: (Gravel packing, cementing, packers, type of shutoff)
UPON COMPLETION OF WELL, CEMENT GROUT WAS PLACED BETWEEN 8" TEMPORARY CASING AND 6 5/8" O.D. PERMANENT CASING FROM 32 FT. BACK TO APPROX. 10 FT. LEVEL. TEMPORARY 8" CASING PULLED.

1/4 N.E. 1/4 Sec. 3
T. 32 (N) R. 16 (E)
S W

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

Driller's Signature Herbert Gruen HI-LINE DRILLING SERVICE

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

HAURE, MONTANA 59501 LICENSE NO. 46

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>2</u>
<u>8</u>	<u>13</u>
<u>13</u>	<u>18</u>
<u>18</u>	<u>22</u>
<u>22</u>	<u>28</u>
<u>28</u>	<u>44</u>
<u>44</u>	<u>58</u>
<u>58</u>	<u>63</u>
<u>63</u>	<u>78</u>
<u>78</u>	<u>79</u>
<u>79</u>	<u>80</u>

Soil
SANDY BROWN CLAY
GRAVELLY BROWN CLAY
BROWN SAND & GRAVEL - TRACE OF WATER
(8" SHUT-OFF CASING INSTALLED TO 22 FT.)
GREY CLAY
SANDY GREY CLAY
GREY CLAY
SANDY GREY CLAY
GREY CLAY
GREY SAND - MOSTLY COARSE - SOME FINE - WATER
GRAVEL - PEEL SIZE TO 1/4" DULWATER - SOME SAND - WATER - EXCEEDING 4 GPM

80 Show exact depth of bottom

50,000
20,000

423901

HERMAN R. & JOYCE PRUYS

TO

THE PUBLIC

WATER WELL

STATE OF MONTANA, ss.
COUNTY OF HILL)

Filed at 10 o'clock pm

MAR 7 1972

R. E. Blom

COUNTY CLERK

By Paul E. Day

DEPUTY

Fee: \$2.00 pd.

INDEXED

Indexed	
Recorded	
Paged	

Department of Natural Resources and Conservation
 Water Resources Division
 Engineering Bureau
 Groundwater Section
 Sam W. Mitchell Building
 Helena, Montana 59601

Owner Herman Pruy's
 Address Star Rt. 36, E. Havre MT
 Location T. 32 R. 16 Sec. 3
 Doc. No. NEM

As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

Special Instructions:

Please provide, as indicated in red on the enclosed form, the location of the well by township, range and section.

Thank you.

RECEIVED

JUN 8 1972

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

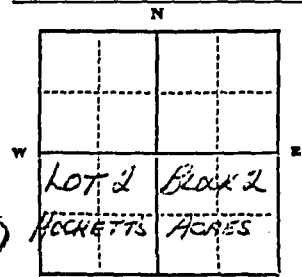
Equipment used _____ (Cable drill, rotary or other)

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 EXCEEDING 600,000 GALLONS

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8		0	22			
6 5/8	6 5/8" O.D. 13# PER FOOT 18" WALL STEEL	1 FOOT ABOVE GROUND LEVEL	80	(NO PERFORATIONS)		
				WATER COMING IN FROM BOTTOM OF DRIVE SHAFT AT 80 FOOT LEVEL		



Static water level 15 ft.*
 Pumping water level 28 ft.*
 at 10 gallons per minute,
 measured 30 minutes after pumping began.

*Measured from ground level.
 Well developed by PALER & PUMP
 for 6 hours.

Power: ELECTRIC Pump 1/2 HP

Remarks: (Gravel packing, cementing, packers, type of shutoff)
 UPON COMPLETION OF WELL, NEAREST GROUT WAS PLACED BETWEEN 8" TEMPORARY CASING AND 6 5/8" O.D. PERMANENT CASING EXCEPT BACK TO APPROX. 10 FT. LEVEL. TEMPORARY 8" CASING PULLED.

1/4 N.E. 1/4 Sec. 3
 T. 32 N R. 16 E
 S W

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

Driller's Signature *Robert Green HI-LINE DRILLING SERVICE*

Driller's Address 1173 6TH ST. NO. PHONE 265-4210
 HAVRE, MONTANA 59501 LICENSE NO. 46

58	GREY CLAY
63	SANDY GREY CLAY
78	GREY CLAY
79	GREY SAND - MASTIC MASS - SCALE FINE - WATER
80	GRAVEL - 1/2" SIZE - TO 11" DRILLING - SOME SAND - WATER - EXCESSIVE 15 GPM

80 Show exact depth of bottom

50,007

RECEIVED

County HILL 3

ADMINISTRATOR OF MONTANA
MONTANA WATER RESOURCES BOARD

MAR 5 1972

DRILLER'S LOG

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 HERMAN R. & JOYCE PRUYS

Address STAR RT. 36
EAST HAURE, MONTANA

Date well started MAY 21, 1969

completed MAY 24, 1969

Type of well DRILLED

Equipment used CABLE TOOL RIG

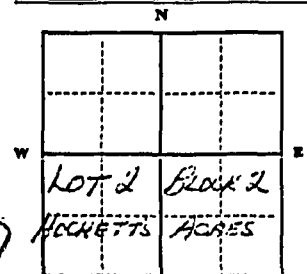
Water Use: Domestic Municipal Stock Irrigation

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 600,000 GALLONS

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8		0	22			
6 5/8	6 5/8" O.D. 13# PER FOOT 18" WALL STEEL	1 FOOT ABOVE GROUND LEVEL	80	(NO PERFORATIONS)		
				WATER COMING IN		
				THRU BOTTOM OF		
				DRIVE SHAPE AT		
				80 FOOT LEVEL		



Static water level 15 ft.*
Pumping water level 28 ft.*
at 10 gallons per minute,
measured 180 minutes after pumping began.

*Measured from ground level.
Well developed by VALER PUMP
for 6 hours.
Power ELECTRIC Pump 1/2 HP

Remarks: (Gravel packing, cementing, packers, type of shutoff)
UPON COMPLETION OF WELL, PERMANENT GROUT WAS PLACED BETWEEN 8" TEMPORARY CASING AND 6 5/8" O.D. PERMANENT CASING USING ENCAL SUE ET MARK TO APPROX. 10 FT LEVEL. TEMPORARY 8" CASING PULLED.

1/4 N.E. 1/4 Sec. 3
T. 32 N. R. 16 E
S W

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

Driller's Signature Ed Hat Grims Hi-Line Drilling Service

Driller's Address 1173 6th St. No. HAURE, MONTANA 59501 PHONE 265-4210
LICENSE NO. 46

Top of Ground (Elev. above sea level)	
From (Feet)	To (Feet)
0	2
2	8
8	13
13	18
18	27
27	28
28	49
49	58
58	63
63	77
77	80

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.

0-2 SOIL
8 SANDY BROWN CLAY
13 CRAGGELY BROWN CLAY
18 BROWN SAND & GRAVEL - TRACE OF WATER
27 18" SHUT-OFF CASING INSTALLED TO 22 FT
28 GREY CLAY
49 SANDY GREY CLAY
58 GREY CLAY
63 SANDY GREY CLAY
77 GREY CLAY
79 GREY SAND - NOISEL COARSE - SOME FINE WATER
80 GRAVEL - 1/2" SIZE TO 1 1/2" DIA. INSTALLED - SOME SAND - WATER - EXCEEDING 15 GPM

80 Show exact depth of bottom

10

50,007

File No.

T. 32 N R. 16

DUPLICATE

County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

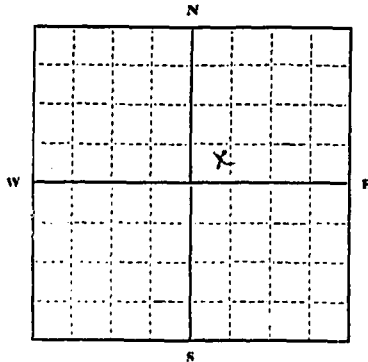
RECEIVED
DEC 19 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. William Sudbrack, of Shambo Route 'A' 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 NE 2 Sec. 3 T. 32 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..... Household and Motel, nominal irrigation.
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been..... 1953 continuous.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute)..... 20 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..... irrigate small lawn in front of motel, approx. 1/8 acre.
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal..... pump

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater..... 1953
- 8. The depth of water table..... 53 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..... 6" casing - - 125 feet deep
- 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..... none filed
- 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 William Sudbrack
Date Dec 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.

10302

396597

WILLIAM SUBPACK

THE PUBLIC

DECLARATION OF VESTED GROUNDS
WATER RIGHTS

STATE OF MONTANA, ss.
COUNTY OF HILL
Filed at _____ o'clock P.M.

ON DECEMBER 12 1963

R. E. Blom
COUNTY CLERK

DEPUTY

Fee: \$2.00 pd.

428274

DWIGHT E. VANNATTA

TO

THE PUBLIC

WATER WELL

STATE OF MONTANA } SS
COUNTY OF HILL }
Filed at 3:30 o'clock P.M.

ON JUN 19 1973

R. E. Blom

COUNTY CLERK

BY *David E. Day* DEPUTY

Fee:\$2.00 pd.

INDEXED

419942

TAB ANGSTMAN

TO

THE PUBLIC

NOTICE OF COMPLETION
OF GROUNDWATER APPROPRIATION

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

JAN 4 1971

R. E. BLOM
COUNTY CLERK

By _____ DEPUTY

fee: \$2.00 paid

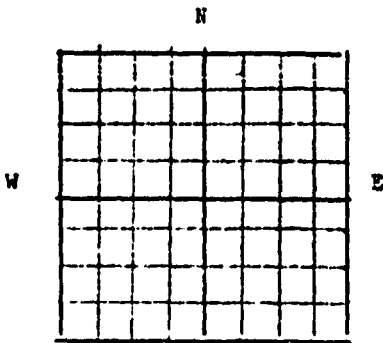
GW 4
FILE NO. _____

TWP 32^N RGE 16^E H
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. Donald A. Armstrong, of 227 Hill St. N.S. Haure
(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:



L. 30-31, Sec. 5, T22N, 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
 3. Date or approximate date of earliest beneficial use; and how continuous the use has been since 1937 - continuous
 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 a. p. m.
 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof _____
 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump - electric pressure
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June 1937
 8. The depth of water table surface level
 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater driven steel pipe - pump
 10. The estimated amount of groundwater withdrawn each year 200,000 g.
 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 Donald A. Armstrong
Mrs. Donald A. Armstrong
Date December 22, 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; duplicates to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

397019

DONALD ABERNETHY

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA, ss.
COUNTY OF HILL)

Filed at 1 o'clock p. m.

ON DEC 30 1963

L. E. Blain
COUNTY CLERK

DEPUTY

FEES: \$2.00 pd.

File No. _____

DUPLICATE

32-16-7

32 N 10 E 7
County HILL

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Top of Ground _____
(Elev. above sea level) _____
MONTANA WATER RESOURCES BOARD

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

AUG 13 1960

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

Owner F. B. Armstrong Address 425 8th Ave. N.O.

Driller J. S. Armstrong Address _____

Date of Notice of appropriation of groundwater _____

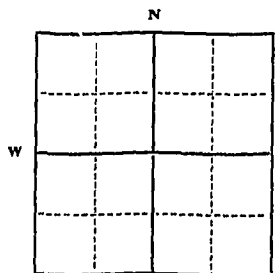
Date well started JUNE 15-60 Date completed JUNE 15-60

Type of well DRIVE-IN Equipment used _____
(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)
1 1/2 in.	1 1/4 in.	0	32 ft	1 1/2 in SAND POINT	29 ft	32 ft.



Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 22 ft feet at 1.0 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested _____

Length of Test _____

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

Lot & N 1/2 - 28
Sec. 3 Twp. 10 N.

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.

Driller's License Number _____

F. S. Armstrong
Driller's Signature.

44,502

411687

F. A. ARMSTRONG

TO

THE PUBLIC

NOTICE OF GROUNDWATER
APPROPRIATION

STATE OF MONTANA,)
COUNTY OF HILL) ss.

Filed at 9 o'clock A.M.

AUG 12 1968

R. E. Blom
COUNTY CLERK
BY David E. Davis
DEPUTY

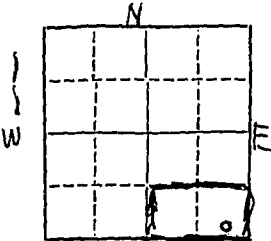
Fee: \$2.00 Bd

RECEIVED
JUN 3 1959

T. 38N R. 16E
County Hill

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Lester C. Austin Address Harve

Driller Simpson Drilling Co. Address Malta

Date Started 12 May 59 Date Completed 13 May

Location: Sec. 21, T. 22, R. 16, S. 38 *sec. Home

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: 2 ft. to 74 ft. Type Steel Size 4 1/2' O.D.

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

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

Perforated or Screened: Ft. 75 to ft. 77 Ft. _____ to ft. _____

Type of screen or perforations 3/16" holes drilled in pipe

Static Water level, for non-flowing well: 12' feet.

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

Pumping water level 35 feet at 18' gal. per min.

How tested: 3 bailer

Length of test 1/2 hr.

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

(over)

GW

File No.

T 32N R 16E 4
County Hill

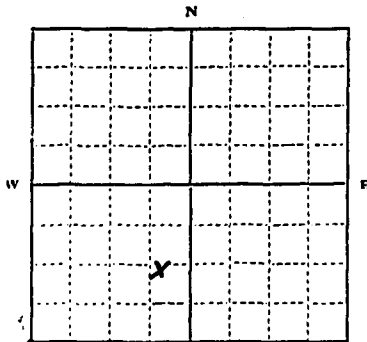
DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 27 1963

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

1. Harold G. Bailey, of 144 Farley Ave.
(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:



Set 5 Kerdalzygh District
SE 1/4 SW 1/4 Sec 4 T. 32 N. R. 16 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 Resident, s
Yard and House use
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been About 24 years Continuous
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) Not Known
- 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 One Sand Point

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1939
- 8. The depth of water table About 35 feet
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well 53 feet
- 10. The estimated amount of groundwater withdrawn each year 20,000 gal, s
- 11. The log of formations encountered in the drilling of each well if available Sand and 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

Signature of Owner Harold H. Bailey
Date

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

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

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

396749

HOWARD G. BAILEY

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

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

ON Dec 23 1963

R. E. Blom COUNTY CLERK

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 NORMAN G. + RUTH E. BOUNNER
Address 1305 6TH ST. NO.
HAURE, MONTANA
Date well started JANUARY 16, 1973
completed JANUARY 24, 1973

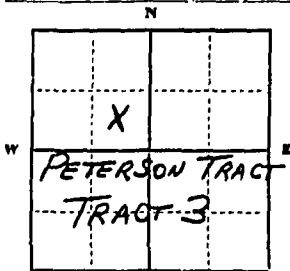
For Administrator's Use	
File <u>427268</u>	
<u>10:15 a.m.</u>	
GW1 <u>MARCH 5,</u>	<u>1973</u>

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 EXCEEDING 500,000 GALLONS

Size of Twisted Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>9 1/2</u>	<u>5 1/2" O.D. 160# PVC PLASTIC</u>	<u>7 FEET BELOW GROUND LEVEL</u>	<u>75</u>	<u>5/32" DRILLED</u>	<u>40</u>	<u>72</u>



Static water level 17 ft.*
Pumping water level 45 ft.*
at 10 gallons per minute,
measured 60 minutes after pumping
began.
*Measured from ground level.
Well developed by BALER
for 6 hours.
Power Pump 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 Robert Quinn Hill HILL DRILLING SERVICE
Driller's Address 1173 6TH ST. NO. PHONE 265-4210
HAURE, MONTANA 59501 LICENSE NO. 46

County HILL

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>THIS WELL WAS ORIGINALLY</u>	
<u>DRILLED TO DEPTH OF APPROXIMATELY</u>	
<u>200 FEET ABOUT 15 YEARS AGO</u>	
<u>WITH ROTARY RIG. NO RECORDS WERE</u>	
<u>KEPT CONCERNING YIELD, DEPTH</u>	
<u>OR PRODUCING AMBERS, ETC.</u>	
<u>CASING WAS LIGHT STEEL 4" I.D.</u>	
<u>WHEN REPAIR OPERATION BEGAN</u>	
<u>ON JANUARY 16, 1973, AN ATTEMPT</u>	
<u>WAS MADE TO PULL OUT EXISTING</u>	
<u>4" CASING, BUT CASING RIPPED</u>	
<u>APART AT 49 FEET FROM GROUND LEVEL</u>	
<u>CASING WAS THEN DRILLED DOWN</u>	
<u>AND COLLAPSED TO 85 FT. HOLE</u>	
<u>WAS THEN TAMPED WITH GRAVEL</u>	
<u>FROM 85 FEET BACK TO 79 FT. AND</u>	
<u>CEMENTED FROM 79 FT. BACK TO 75 FT.</u>	
<u>HOLE REARED TO 9 1/2" DIAMETER</u>	
<u>TO 85 FT. WELL CASING WITH 5 1/2"</u>	
<u>PVC PLASTIC CASING FROM APPROX.</u>	
<u>7 FT. BELOW GROUND LEVEL TO 75 FT.</u>	
<u>WITH PERFORATIONS FROM 40 TO 72</u>	
<u>FT. 1 1/4 YARDS OF GRAVEL PLACED</u>	
<u>AROUND PVC CASING FROM 75 FT.</u>	
<u>BACK TO 39 FT. UNFINISHED GRAVEL</u>	
<u>FROM 38 TO 37 FT. CONCRETE PLACED</u>	
<u>ABOVE CRUSHED GRAVEL FROM 37 FT.</u>	
<u>BACK TO 8 FEET BELOW BOTTOM OF</u>	
<u>WELL PIT TO SEAL OFF WATER</u>	
<u>AT 23 AND 35 FT. LEVELS. FINAL</u>	
<u>YIELD OF WELL EXCEEDING 18 GPM</u>	

75 Show exact depth of bottom

427268

NORMAN G. BOUCHER & RUTH E.
BOUCHER

TO

THE PUBLIC

WATER WELL

STATE OF MONTANA }
COUNTY OF HILL } SS
Filed at 10:15 o'clock AM

ON MAR 5 1973

R. E. Blom

COUNTY CLERK
BY Ruth E. May
DEPUTY

Fee:\$2.00 pd.

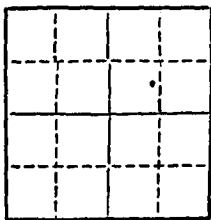
INDEXED

RECEIVED
MAY 15 1959
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 30 N R. 16 E
County Blaine

WATER WELL LOG



Owner Ray Bramble Address 238 1/2 St. Thore

Driller Simpson Drilling Co Address Delta

Date Started 8 May 59 Date Completed 11 May

Location: Sec. 4 T. 30 N R. 16 E 1/4 sec. 23 1/2

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

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

Casing: 8 ft. to 84 ft. Type steel Size 4 1/2 O.D.

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

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

Perforated or Screened: Ft. 75 to ft. 77 Ft. _____ to ft. _____

Type of screen or perforations 3/16 Hole drilled in Pipe

Static Water level, for non-flowing well: 12.7 feet.

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

Pumping water level: 40 feet at 18 gal. per min.

How tested: meter

Length of test: 1/2 hr

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

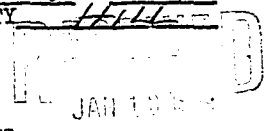
Ray Bramble
Willow Bramble

(over)

GW-4
FILE NO. _____

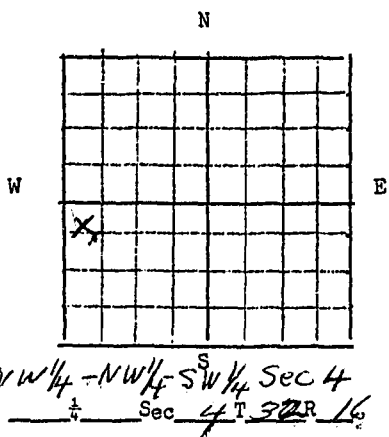
TWP 32^N RGE 16^E
COUNTY HILL

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



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

1. CALVIN L BURR JR, of 239 STATE STREET HAVER
(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:



- The beneficial use on which the claim is based HOUSE hold + IRRIGATION
LAWN + GARDEN
- Date or approximate date of earliest beneficial use; and how continuous the use has been JULY 1, 1963 CONTINUOUS
- The amount of groundwater claimed (in miner's inches or gallons per minute) PUMP OUT
PT. 70 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 WEST 68 FT OF LOT 1-2-3-4
NORTH HAVER TAYLOR ADDITION
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal B F O S GOULDS
WELL WATER SYSTEM
WEST 68 FT LOT 1-2-3-4 NORTH HAVER
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater JULY 1, 1963 SAND POINT
- The depth of water table 19 FT
- 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 TWO INCH
PIPE 30 FT DEEP TWO INCH SAND POINT
- The estimated amount of groundwater withdrawn each year _____
- The log of formations encountered in the drilling of each well if available NONE 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 NONE

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

Signature of Owner Calvin L Burr Jr
Date Dec 30, 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.

File No. _____

T. 22 N. R. 16 E. M. 11.

DUPLICATE

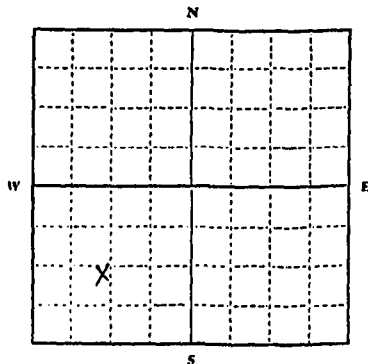
County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 7 1964

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

1. Edwin A. Bergner, of P.O. Box 1363 - Havre
(Name of Appropriator) (Address) (Town)
County of Hill State of Mont.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 SW Sec. 4 T. 22 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 House and Garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1935 - continuous

4. The amount of groundwater claimed (in miner's inches or 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
Approximately 175 A. in S.W. SW - 93 x 563
Edwin A. Bergner

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Hand Pump
Three in same location

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater approx. 1935

8. The depth of water table 40 to 60 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 Sand points

10. The estimated amount of groundwater withdrawn each year for house and garden use

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 _____

Estate of Edwin A. Bergner Inc.
Signature of Owner by F. & K. Kowalski
Date Dec. 27, 1963

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

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

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

396868

EDWIN A. BERGMAN

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

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

ON 18. 1963
E. Blain
COUNTY CLERK
BY _____ DEPUTY

BEE: \$2.00 pd.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

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.

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 MRS. VIVIAN CRAIG
Address 1155 3RD ST. No.
HAURE, MONTANA
Date well started 4/14/70
completed 4/17/70

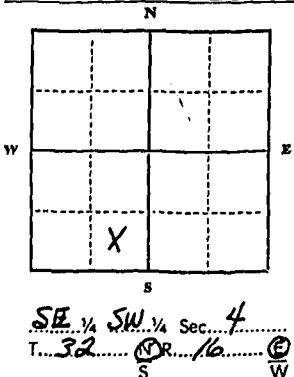
For Administrator's Use	
File <u>423832</u>	<u>Feb. 28, 1972 10:15 a.m.</u>
GW 1	

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 1/2,000,000 GALLONS

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
<u>12"</u>		<u>0</u>	<u>15</u>			
<u>6 5/8"</u>	<u>1 1/2" O.D. (138 WALL) 13# PER FT GALVANIZED STEEL</u>	<u>1 1/2 FEET ABOVE GROUND LEVEL</u>	<u>49</u>	<u>(NO PERFORATIONS)</u>		
				<u>WATER COMING IN THRU BOTTOM OF DRIVE COLLAR AT 49 FT. LEVEL</u>		



Static water level 10 ft.*
Pumping water level 18 ft.*
at 10 gallons per minute, measured 180 minutes after pumping began.
*Measured from ground level.
Well developed by BALER & PUMP for 8 hours.
Power ELECTRIC Pump 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) HOLE REAMED TO 12" DIAMETER TO 15 FT. LEVEL. UPON COMPLETION OF WELL, ANNUAL SPACE AROUND CASING FILLED WITH DRILLING MUD.

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

Driller's Signature Robert Larson HI-LINE DRILLING SERVICE
Driller's Address 1173 6TH ST. No. PHONE 265-4210
HAURE, MONTANA 59501 LICENSE NO. 416

Top of Ground (Elev. above sea level)	
From (Feet)	To (Feet)
<u>0 TO 2</u>	<u>SOIL</u>
<u>6</u>	<u>SANDY BROWN CLAY</u>
<u>7</u>	<u>BROWN SAND</u>
<u>15</u>	<u>SANDY BROWN CLAY</u>
<u>18</u>	<u>SOFT GREY CLAY</u>
<u>20</u>	<u>GREY SILT + SAND - WATER - CASED DEE</u>
<u>22</u>	<u>SANDY GREY CLAY</u>
<u>31</u>	<u>GREY SAND + SILT - TRACE OF GRAVEL - WATER - VERY DIRTY</u>
<u>36</u>	<u>GREY CLAY</u>
<u>45</u>	<u>SANDY GREY CLAY</u>
<u>49 1/2</u>	<u>GREY SILT + SAND - WATER - VERY DIRTY</u>
<u>49 1/4</u>	<u>GREY SAND - SOME GRAVEL - WATER</u>
<u>49</u>	<u>GRAVEL + SAND - WATER - EXCEEDING 10 GPM</u>
	<u>AFTER FORMATION WAS DEVELOPED WITH BALER + PUMP, A YIELD TEST WAS CONDUCTED FOR A 3-HOUR PERIOD WITH YIELD OF 18 GPM WITH 13 FEET DE DRAWDOWN.</u>

49 Show exact depth of bottom

INDEXED

Fee: \$2.00 pd.

DEPUTY
R. E. Blom
COUNTY CLERK

FEB 28 1972

COUNTY OF HILL
MONTANA
10:15 AM

WATER WELL

THE PUBLIC

TO

MRS. VIVIAN CRAIG

423832

File No. _____

DUPLICATE

Hill

T. *32* N. R. *16* E.

County _____

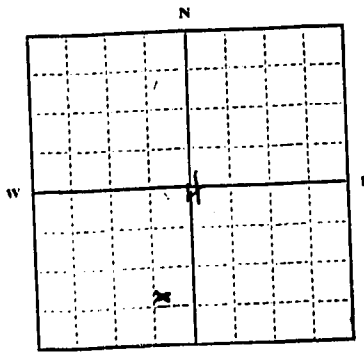
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 18 1963

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater *May 1937*
Owner *Vivian N. Pruitt* Address *122 1/2 S. Side*
Havert, Missouri
Contractor (if any) _____
Address of Contractor *1. ceased husband*
Date Started *June 1937* Date Completed *June 1937*



SE $\frac{1}{4}$ SW Sec. 4 T. 32 R. 16
Indicate point of appropriation
and place of use, if possible.

Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. *1 1/2" sandpoints - depth*
of sandpoint 5.2 ft.
5 sandpoints used base
line ditch,

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 _____
576,000 gal. a yr. with 5 sandpoints
used intermittently - 6 months
irrigation during summer.

Signature of Owner *Vivian N. Pruitt*
Date *Nov. 31, 1962*

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
work 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.

File No. Hill
DUPLICATE

T. 32 N. R. 16 E.
County _____

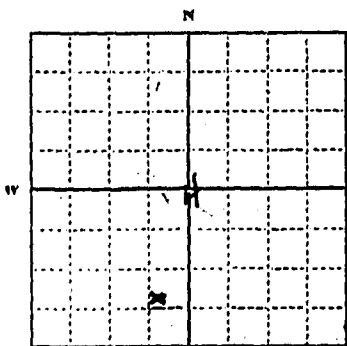
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 13 1964

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater May 1937
Owner Vivian N. Craig Address 122 N. Side
Harold, Mont.
Contractor (if any) _____
Address of Contractor deceased husband
Date Started June 1937 Date Completed June 1937



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. 1 1/2" sandpoint - depth of sandpoint 52 ft.
5 sandpoint used base in ditches,

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.

576,000 gals. a yr. with 5 sandpoint used intermittently - 6 months irrigation during summer.

SE 1/4 SW 1/4 Sec. 4, T. 32 N. R. 16 E.
Indicate point of appropriation and place of use, if possible.

Signature of Owner Vivian N. Craig
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 Quadruplicate for the Appropriator.

397159

VIVIAN H. CRAIG

TO

THE PUBLIC

NOTICE OF COMPLETION OF
COURSED JAMES WITHOUT WILL

STATE OF MONTANA, ss.
COUNTY OF HILL)
Filed on 11 o'clock AM

1963

[Signature]
COUNTY CLERK

DEPUTY

1963 02.00 pd.

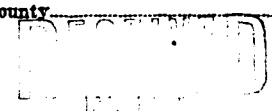
File No. _____

T 32^N R 16^E

DUPLICATE

County _____

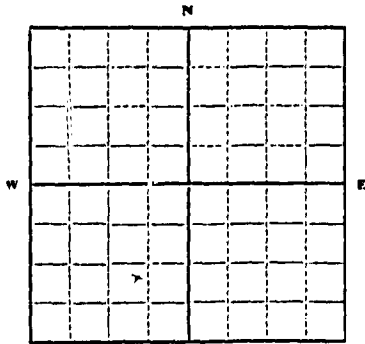
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



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

I, William H. Craig, of Bozeman, Bozeman
(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:



SE-04
1/4 Sec. 4, T. 32 N., R. 16 E.
Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

- 2. The beneficial use on which the claim is based. house
gardens & lawns
- 3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been. _____
- 4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 4.00
- 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
Bozeman, Montana, 1/4 Sec. 4, T. 32 N., R. 16 E.
of William H. Craig, Bozeman, Montana
- 6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal hand-dug
well

- 7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater. started about 2 weeks
- 8. The depth of water table. 112 ft deep
- 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. 112 ft deep
- 10. The estimated amount of groundwater withdrawn each year. _____
- 11. The log of formations encountered in the drilling of each well if available. think it was
hard to find
- 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. filed in county records

Signature of Owner. William H. Craig
Date. Dec 31, 1968

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

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

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

397160

VIVIAN N. CRAIG

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA
COUNTY OF HILL
Filed at H. District Court

1963

CLERK
PLATY

FEES: \$2.00 pd.

File No.

T. 32^N R. 16^E 4

DUPLICATE

County Hill

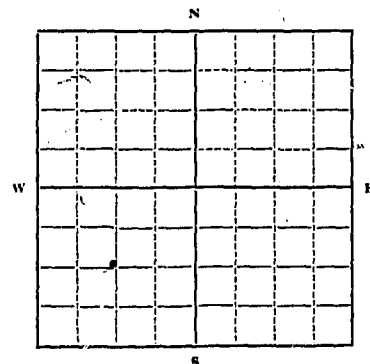
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Peter D. Bastian V. Luessen of 208-8th Ave. N. 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:



N.W.S.W. Sec. 4 T. 32 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 6-10-46
Home hold + Irrigation
- Date or approximate date of earliest beneficial use; and how continuous the use has been 6-10-46
- The amount of groundwater claimed (in miner's inches or gallons per minute) 34 gals.
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof less than one acre
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 6-10-46
- The depth of water table 64'
- 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 in pipe
- The estimated amount of groundwater withdrawn each year 400,000 gals.
- The log of formations encountered in the drilling of each well if available not known
- 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 Peter D. Bastian V. Luessen

Date 12-13-63

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

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

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

9286

396543

PETER D. & BEATRICE V. FRIESEN

TO

THE PUBLIC

DECLARATION OF V SEED GROUND
WATER RIGHTS

STATE OF MONTANA)
COUNTY OF HILL)

Filed at 1 o'clock P.m.

ON DEC 13 1963

R. E. Blom

COUNTY CLERK

BY

REC'D

Fee: \$2.00 pd.

File No.

T. 32N R 16E H

DUPLICATE

County HILL

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: EDWIN FREIER Address: 1127 6TH ST. NO. HAURE, MONTANA

Driller: HI-LINE DRILLING SERVICE Address: HAURE, MONTANA

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

Date well started: APRIL 17, 1968 Date completed: MAY 11, 1968

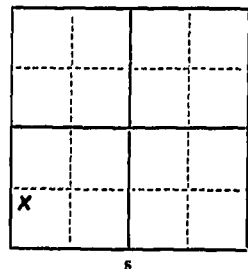
Type of well: DRILLED Equipment used: CABLE TOOL RIG
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other TRAILER COURT

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.....)
 - 0 to 3 FILL DIRT
 - 8 SANDY LOAM
 - 16 SANDY BROWN CLAY
 - 22 GREY SAND & SILT - WATER - (CASED OFF)
 - 29 SOFT SANDY GREY CLAY
 - 31 GREY SAND & GRAVEL - WATER - 5 GPM - (CASED OFF)
 - 35 SILTY GREY CLAY
 - 44 SOFT SANDY GREY CLAY
 - 47 GREY SILT & SAND - WATER
 - 48 1/2 SAND & GRAVEL - WATER - APPROX 15 GPM, WITH CONSIDERABLE SANDING
 - 50 SAND - WATER
 - 56 SOFT SANDY GREY CLAY
 - 58 GREY SAND & SILT
 - 71 SANDY GREY CLAY
 - 74 1/2 GREY SAND - WATER
 - 75 SAND - SOME GRAVEL - WATER - APPROX 8 GPM WITH HEAVY SANDING
 - 81 SILTY GREY CLAY
 - 84 GREY SAND - WATER
 - 84 1/2 GRAVEL & SAND - WATER - APPROX 7 GPM BALING FROM 35 FT FROM GROUND LEVEL
 - 91 SANDY GREY CLAY
 - 94 1/2 GREY SAND - SOME GRAVEL - WATER
 - 95 1/2 GRAVEL + SAND - WATER
 - 100 GREY SAND (MEDIUM TO FINE)
 - 101 GREY SAND - SOME GRAVEL
 - 104 SILT & SAND
 - 105 1/2 TACKY GREY CLAY
 - 107 GREY CLAY
- NOTE: WELL WAS DRILLED TO 128 FT IN QUEST OF BETTER GRAVEL FORMATION BUT TO NO AVAIL. HOLE BACK FILLED WITH SAND AND GRAVEL TO 107 FT LEVEL. 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)
9"		0	24			
6 3/8"	6 3/8" O.D. 13# PER FT. GALVANIZED	1 FOOT ABOVE GROUND LEVEL	94 1/2"	JOHNSON TYPE 304 STAINLESS STEEL SCREEN WITH LEAD PACKER TOP AND WELD RING BOTTOM WITH TOTAL LENGTH OF 7' 10" INSTALLED FROM 94 FT. LEVEL TO 101' 10" LEVEL	12' 5 1/2"	12' 5 1/2"
	5 1/2" I.D. (1.250 WALL)	101' 10"	107'	5 1/2" I.D. CASING WELDED TO BOTTOM OF SCREEN AND BOTTOM OF CASING WELDED SHUT AT 107 FT FROM GROUND LEVEL		



Static Water Level for non-flowing well 11 1/2 feet.

Shut-in Pressure for Flowing Well NOT APPL
Pumping Water Level..... 60 feet

at..... 42 gal. per minute.

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

How Tested: BAUER & PUMP

Length of Test..... 8 HOURS

Remarks: (Gravel packing, cementing, packers, type of shutoff). CEMENTED FROM 84 FT LEVEL BACK TO 11 FT LEVEL AND 8 3/8" SURFACE CASING PULLED

NOTE: TOP OF LEAD PACKER OR SCREEN IS 95 FT BELOW TOP OF CASING. BOTTOM OF 5 1/2" I.D. CASING (WELDED SHUT) IS 108 FT BELOW TOP OF CASING.

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).

TRAILER COURT COVERS APPROX. 2 1/2 ACRES. APPROX. 40 GPM WILL BE USED FOR DOMESTIC USE, WASHING FACILITIES, LAWNS & SHRUBBERY.

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

Edwin Freier
Driller's Signature

45,007

412935

EDWIN FREIER

TO

THE PUBLIC

NOTICE OF GROUND WATER
APPROPRIATION

STATE OF MONTANA,)
COUNTY OF HILL) ss.

Filed at 9:30 o'clock A.M.

FEB 17 1969

R. E. BLOM

COUNTY CLERK

DEPUTY

fee: \$2.00 paid

T. 32 N R. 16 E

4

County Wise

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Ed Frier

		X

Owner Ed Frier Address North Haven

Driller Benjamin Sr. Co Address North Haven

Date Started Sept 10 Date Completed Sept 10-60

Location: Sec 4 T 32 R 16 1/4 sec. 16

Type of well Drilled Equipment used 342 Gulliver
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic Municipal Stock Irrigation

Industrial Drainage Other: _____

Casing: 0 ft. to 45 ft. Type Heavy galv Size 6.00

Casing: 42 ft. to 85 ft. Type Heavy galv Size 4.10

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

Perforated or Screened: Ft. 50 to ft. 85 Ft. _____ to ft. _____

Type of screen or perforations 3/16 holes

Static Water level, for non-flowing well: 7 feet.

Shut-in pressure, for flowing well: 0 lb./sq. in. on: _____ (date)

Pumping water level 45 feet at 15 gal. per min.

How tested: Bailer

Length of test 3 hours

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

Ed Frier

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	1	Topsoil
1	27	Shale
27	39	Shale
39	44	Shale
44	40	Shale
40	57	Shale
57	64	Shale
64	71	Shale
71	78	Shale
78	84	Shale
84	91	Shale
91	98	Shale
98	105	Shale
105	112	Shale
112	119	Shale
119	126	Shale
126	133	Shale
133	140	Shale
140	147	Shale
147	154	Shale
154	161	Shale
161	168	Shale
168	175	Shale
175	182	Shale
182	189	Shale
189	196	Shale
196	203	Shale
203	210	Shale
210	217	Shale
217	224	Shale
224	231	Shale
231	238	Shale
238	245	Shale
245	252	Shale
252	259	Shale
259	266	Shale
266	273	Shale
273	280	Shale
280	287	Shale
287	294	Shale
294	301	Shale
301	308	Shale
308	315	Shale
315	322	Shale
322	329	Shale
329	336	Shale
336	343	Shale
343	350	Shale
350	357	Shale
357	364	Shale
364	371	Shale
371	378	Shale
378	385	Shale
385	392	Shale
392	399	Shale
399	406	Shale
406	413	Shale
413	420	Shale
420	427	Shale
427	434	Shale
434	441	Shale
441	448	Shale
448	455	Shale
455	462	Shale
462	469	Shale
469	476	Shale
476	483	Shale
483	490	Shale
490	497	Shale
497	504	Shale
504	511	Shale
511	518	Shale
518	525	Shale
525	532	Shale
532	539	Shale
539	546	Shale
546	553	Shale
553	560	Shale
560	567	Shale
567	574	Shale
574	581	Shale
581	588	Shale
588	595	Shale
595	602	Shale
602	609	Shale
609	616	Shale
616	623	Shale
623	630	Shale
630	637	Shale
637	644	Shale
644	651	Shale
651	658	Shale
658	665	Shale
665	672	Shale
672	679	Shale
679	686	Shale
686	693	Shale
693	700	Shale
700	707	Shale
707	714	Shale
714	721	Shale
721	728	Shale
728	735	Shale
735	742	Shale
742	749	Shale
749	756	Shale
756	763	Shale
763	770	Shale
770	777	Shale
777	784	Shale
784	791	Shale
791	798	Shale
798	805	Shale
805	812	Shale
812	819	Shale
819	826	Shale
826	833	Shale
833	840	Shale
840	847	Shale
847	854	Shale
854	861	Shale
861	868	Shale
868	875	Shale
875	882	Shale
882	889	Shale
889	896	Shale
896	903	Shale
903	910	Shale
910	917	Shale
917	924	Shale
924	931	Shale
931	938	Shale
938	945	Shale
945	952	Shale
952	959	Shale
959	966	Shale
966	973	Shale
973	980	Shale
980	987	Shale
987	994	Shale
994	1001	Shale

54

File No. _____

T. 32^N R. 16^E

DUPLICATE

County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 27 1963

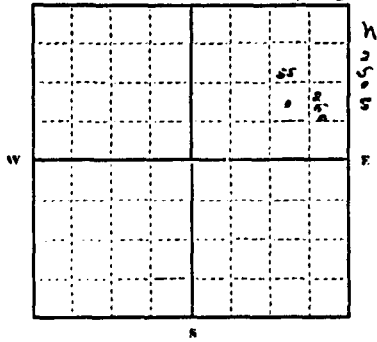
Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Law 1961)

1. Ransom Russell Halden, of 274 State St., Hill,
(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 lot 55x22.50 N W 5 1/4 E



1/4 Sec. 4 T32. R16

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been May, 1953
all the time

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 16 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
55115 Acres and arid garden

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 5-5-53

8. The depth of water table 10 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
Hand-dug well 10 ft deep

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

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

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

Signature of Owner Ransom Halden

Date 11-29-63

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.

396698

RANSOM HOLDEN

TO

THE PUBLIC

DECLARATION OF VESTED GROUND
WATER FORMS

*more
I went to
Boyd*

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

ON JUL 20 1963

R. E. Blom

COUNTY CLERK

DEPUTY

Fees: \$2.00 pd.

1961

File No. _____

T. 21 R. 16 E

DUPLICATE

County _____

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

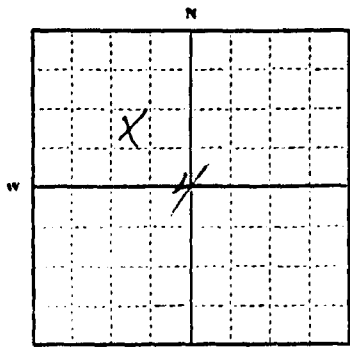
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Dwain Robert Gillett of 275 State St. Harry, Mont
 (Name of Appropriator) (Address) (Town)

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



SE 1/4 NW Sec. 4 T. 32 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... Household & yard
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1953 used continuously since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 gals 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
spring

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Apr. 1953

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
drilled well - size 6" - 85 ft deep

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

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

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

Signature of Owner R. B. Gillett
Dwain M. Loken

Date _____

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

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

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

397034

DUANE OHM & R.F. GILBERT

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA)
COUNTY OF HILL)
Filed at L. O'Leary on

ON DEC 31 1963
16 Blain
COUNTY CLERK
BY _____ COUNTY CLERK

FEE: \$2.00 pd.

File No.

T32N R16E

DUPLICATE

County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

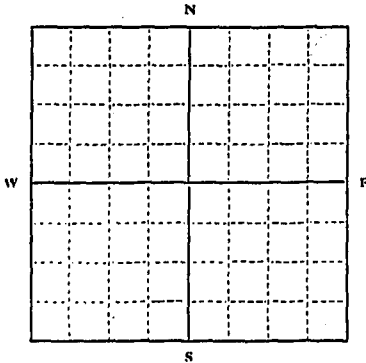
RECEIVED
JAN 13 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Mrs. Julia Koerli, of 240 State St. 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:



1/4 Sec 7 T32N R16E

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

Center of lot 5 1/2 Lot 6
Taylors North Havre
Block 3

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

Domestic

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

1936

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

10 gpm

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

Lawn only

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.....

1936

8. The depth of water table.....

10'

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

5" casing 90' deep

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

200,000

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

not available

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

Signature of Owner..... Mrs Julia Koerli

Date 12-31-1963

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

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

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

31246

397189

MRS. JULIA KJORLI

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

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

ON 8/31 1963
[Signature]
COUNTY CLERK

DEPUTY

FEE: \$2.00 pd.

File No. _____

T. 32 R. 16 9

TRIPPLICATE

MONTANA AGRICULTURAL COUNCILS BOARD
FEE 10

County Hill

LOG

FEE 1 1958

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 Mr. Quinn E. G. Eli Address Helena, Montana

Driller H. L. ... Address Helena, Montana

Date of Notice of appropriation of groundwater _____

Date well started 9/15/67 Date completed 9/19/67

Type of well Hand Equipment used T. R. 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
6
13
18
23
29
33
39
46
46 1/2
51
61
65
66
66 1/2
67
67 1/2
67 1/2

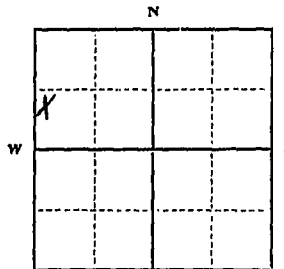
Top of Ground
(Elev. above sea level _____)

0-6 Sandy loam
6-13 Sandy brown clay
13-18 Will & sand
18-23 Heavy gray sand
23-29 Will & sand
29-33 (Laminated)
33-39 Tacky fine clay
39-46 Gray clay
46-46 1/2 Gray sand
46 1/2-51 (Laminated)

51-61 Gray silt
61-65 Will & gray clay
65-66 Tacky gray clay
66-66 1/2 Gray sand
66 1/2-67 Gray sand

67-67 1/2 Sand & gravel
67 1/2 Gravel
Recessing 25' PM

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	1 1/2" O.D.	0	67 1/2	100	67 1/2	67 1/2



TAYLOR'S NORTH HAUGE BLK 3 LOT 6
W 1/2 - SW 1/4 Sec. 4 T. 32 R. 16.
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well _____ feet.

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

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

How Tested T. R. Rig

Length of Test 6 Hours

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

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 ...
Driller's Signature

42,790

Show exact depth of bottom.

(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).

File No.

T. 32 R. 16 A

TRIPPLICATE

MONTANA WATER RESOURCES BOARD RECEIVED

County Hill

LOG

FEB 1 1968

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, 1962

(Under Chapter 237, Montana Session Laws, 1961)

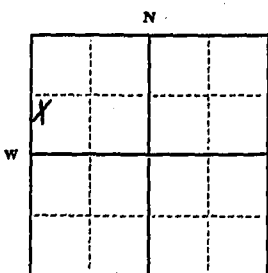
0 To 6 13 18 24 29 33 36 41 45 46 46 1/2 47 47 1/2 47 1/2

Sandy loam Sandy Brown clay Silt & Sand Runny Grey sand Silt & sand-water (Cased off) Tacky Blue clay Gravelly Grey clay sandy Grey clay Grey sand-water Gravel sand-water (Cased off) Grey silt Silt sandy Grey clay Silt tacky Grey clay Grey sand & silt-water Grey sand, fine gravel, water Sand & Gravel Gravel-water Resecding 25 GPM

Owner Mr. Orvin Hjortli Address House Montana Driller H. Line Drilling Service Address House Montana Date of Notice of appropriation of groundwater Date well started 9/15/67 Date completed 9/19/67 Type of well Drilled Equipment used Drill Rig (Dug, Driven, bored or drilled) (Churn drill, rotary or other) Water use: Domestic [X] 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.

Table with columns: Size of Drilled Hole, Size and Weight of Casing, From (Feet), To (Feet), PERFORATIONS (Kind Size, From (Feet), To (Feet)).



Static Water Level for non-flowing well Shut-in Pressure for Flowing Well at 100 gpm Pumping Water Level at 16 gal. per minute. Discharge in gal. per min. of flowing well No. APPLICABLE

How Tested Test Pump Length of Test 6 Hours

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

TAYLOR'S NORTH HAVRE BLK 3 LOT 2 W 1/2 - SW 1/4 Sec 4 T. 32 R. 16

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.

46 Driller's License Number

Hjortli Orvin Driller's Signature

42,790

410440

MR. ORVIN KJORLI

TO

THE PUBLIC

GROUND WATER RIGHTS

STATE OF MONTANA)
COUNTY OF HILL) ss.
Filed at 10:00 o'clock A.M.

JAN 31 1968

R. E. BLOM

COUNTY CLERK

DEPUTY

Fee: \$2.00 paid

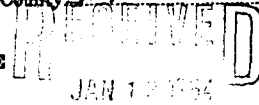
File No.

T 32 N R 16 E

DUPLICATE

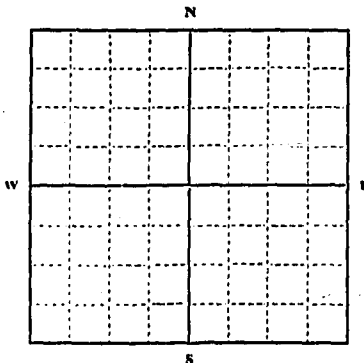
County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



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

1. Orrin Kjosli, of 236 Hill St. 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:



1/4 Sec 4 T32N R16E

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

Acres Lot 42 1/2 41
Taylor's N. Havre BLS

2. The beneficial use on which the claim is based. House
& lawn

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

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

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

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

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

8. The depth of water table. 10'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 1/2" sand point 60' deep

10. The estimated amount of groundwater withdrawn each year. 200,000 gal.

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

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

Signature of Owner Orrin Kjosli
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.

397190

ORVIN KJORLI

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA
COUNTY OF BILL
Filed at _____

ON 8/1 1963

[Signature]
CLERK

CLERK

FEE: \$2.00 pd.

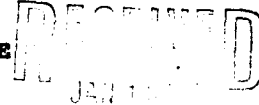
File No. _____

T 32 N R 16 E H

DUPLICATE

County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

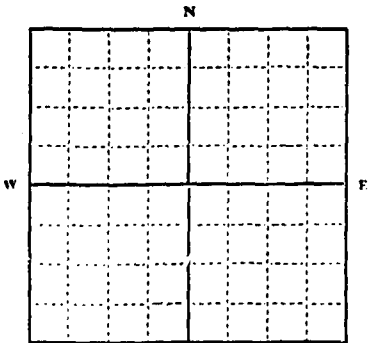


Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Orrin Bjorli, of 236 Hill St. 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 2 T32N R16E
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.
Rear of lot 43
Taylor N. addition, Hayre
Block 3

2. The beneficial use on which the claim is based House Hold and lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been October 1958

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 109 p.m

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

not for irrigation

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

pump

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

8. The depth of water table 10'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 2" Sand point 72' deep

10. The estimated amount of groundwater withdrawn each year 200,000

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

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

Signature of Owner Orrin Bjorli
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. 31248

397191

ORVIN KJORLI

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA
COUNTY OF BILLINGS
Billings, Montana

1963

COUNTY CLERK

DEPUTY

FEE: \$2.00 pd.

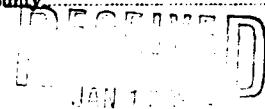
File No. _____

T32N R16E

DUPLICATE

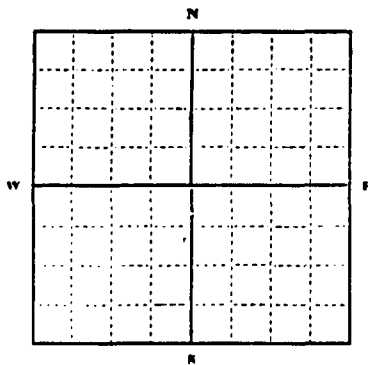
County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



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

1. Orrin Kjolli, of 236 Hill St. Harre
(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 21 T32N R16E
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.
2 walls 2 in Red
1 in center of Lot 40 E 1/2 41
Taylor's N. Harre block 2

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 109 p.m.

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

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

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

8. The depth of water table. 10'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
1 1/2" sand point 60' Deep

10. The estimated amount of groundwater withdrawn each year. 200,000

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

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

Signature of Owner Orrin Kjolli
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.

397192

ORVIN KJOFLI

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA
COUNTY OF HILL
Section 14, Township 20N, Range 10E, S. 1

DATE: 11 11 1988

J. Blom
Notary Public

FEE: \$2.00 pd.

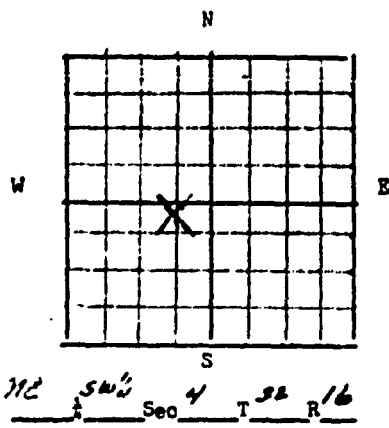
GW
FILE NO. _____

TWP 32^N RGE 16^E
COUNTY Walla

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Rayle & Ann Knudson, of 170 Parky Blaine
(Name of Appropriator) (Address) (Town)
County of Walla, 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
Domestic hold yard & garden

3. Date or approximate date of earliest beneficial use; and if continuous the use has been
3-1954 4-1963
continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
133.4 10 gal per min 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

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

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

8. The depth of water table 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
1 1/2" Sand Point

10. The estimated amount of groundwater withdrawn each year 200,000 gal

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

Date 12/31/63

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.

397193

LYLE & ANN KNUDSON

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

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

ON DEC 31 1963

[Signature]
COUNTY CLERK

DEPUTY

FEE: \$2.00 pd.

File No. _____

T. 32N R 16E H

DUPLICATE

County HILL

MONTANA WATER RESOURCES BOARD
RECEIVED STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD
JAN 24 1968

Top of Ground

(Elev. above sea level _____)

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 JOE & CONNIE KRABUND Address BOX 748 HAURE MONT.

Driller AL-LINE DRILLING SERVICE Address HAURE, MONTANA

Date of Notice of appropriation of groundwater _____

Date well started APRIL 24, 1968 Date completed APRIL 27, 1968

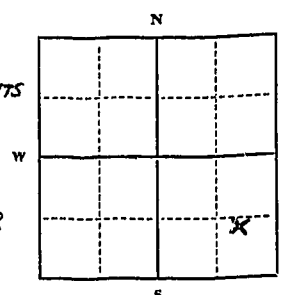
Type of well DRILLED Equipment used CABLE TOOL RIG
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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 12 GRAVELLY BROWN CLAY
- 15 SANDY BROWN CLAY
- 19 SAND + GRAVEL - WATER - HIGHLY ALKALINE - HIGH SULFATE
- 24 YELLOW CLAY
- 32 GREY CLAY
- 33 1/2 LARGE BOULDER
- 38 GREY CLAY - SMALL BOULDERS
- 46 GRAVELLY GREY CLAY
- 47 RUNNY GREY SAND - FRAGMENTS OF COAL
- 48 SAND - SOME GRAVEL
- 60 GRAVELLY GREY CLAY - SHALE FRAGMENTS
- 63 SILTY GREY CLAY
- 64 GREY SAND + SILT - WATER (CASED OFF)
- 68 SANDY GREY CLAY
- 83 GREY CLAY
- 84 SAND & COARSE GRAVEL - WATER - EXCEEDING 30 GPM
- 85 SAND & GRAVEL (PEA SIZE TO 1/2" DIAMETER)
- 85 1/2 GRAVEL (PEA SIZE) WATER - EXCEEDING 40 GPM WITH 6 FEET DRAWDOWN
- 85 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)
9"		0	26	NO PERFORATIONS.		
6 5/8"	6 5/8" O.D. 18 # PER FOOT	2 FEET ABOVE GROUND LEVEL	85 1/2	WATER COMING IN THRU BOTTOM OF DRIVE SHOE AT 85 1/2 FT LEVEL		



Static Water Level for non-flowing well 13 feet.

Shut-in Pressure for Flowing Well NOT APPL.

Pumping Water Level 15 feet at 14 gal. per minute.

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

How Tested TEST PUMP

Length of Test 2 HOURS

Remarks: (Gravel packing, cementing, packers, type of shutoff) 9" HOLE DRILLED TO 26 FT. LEVEL. 6 5/8" CASING RUN TO 26 FT LEVEL. WELL COMPLETED WITH 6 5/8" CASING TO 85 1/2 FT. CEMENT GROUT PLACED BETWEEN CASINGS AND 6 5/8" CASING PULLED TO SEAL OFF HIGHLY ALKALINE WATER AT 75-77 FT LEVEL

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). WATER TO BE USED TO COOL REFRIGERATION UNITS. ALSO TO SUPPLY BEERIG NEEDS.

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 J. Jansen
Driller's Signature

44,935

412774

JOE AND CONNIE KLABUNDE

TO

THE PUBLIC

COMPLETION OF
GROUNDWATER APPROPRIATION

STATE OF MONTANA)
COUNTY OF HILL) ss.
Filed at 4:30 o'clock Pm

JAN 22 1969
R. E. BLOM

COUNTY CLERK

DEPUTY

fee: \$2.00 paid

CWS

4

File No.

T. 32 N. R. 16 E. M.M.

DUPLICATE

County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 8 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

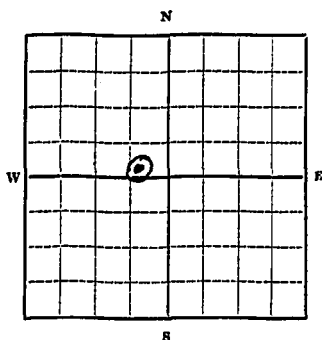
Owner H. C. Kuhn Address 264 712 Side Hill Montana

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. 27' deep 12' of water.



S.E. 1/4 NW 1/4 Sec. 4 T. 32 N. R. 16 E

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 intermit-

tent estimate approximate lengths of periods of use

Signature of Owner H. C. Kuhn

Date Aug 7 - 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 School of Mines and Quadruplicate for the Appropriator.

5300

394725

H. C. KUHN

TO

THE PUBLIC

NOTICE OF COMPLETION OF GOUND
WATER APPROPRIATION WITHOUT WELL

STATE OF MONTANA)
COUNTY OF HILL) ss.
Filed at 10:30 o'clock A.M.

ON AUG 7 1963

R. E. Blom

COUNTY CLERK

By _____

DEPUTY

Fee: \$2.00 pd.

File No. 410289

T. 32 R. 16 N. 4

DUPLICATE

County Hill

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

FEB 06 1968

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

(Under Chapter 237, Montana Session Laws, 1961)

- 0 To Top of Ground (Elev. above sea level.....)
- 5 SANDY SOIL
- 24 SANDY + SILTY BROWN CLAY
- 25 BROWN SAND - WATER - (CASED OFF)
- 30 SANDY GREY CLAY
- 33 GREY SAND - SOME GRAVEL - WATER (CASED OFF)
- 37 SOFT GREY CLAY
- 40 GREY SAND
- 44 1/2 GREY SILT
- 45 1/2 DIRTY GREY SAND CHUNKS OF SHALE SOME GRAVEL - WATER (NOT CLEARING - SHUT OFF)
- 51 CALIBLY BROWN SANDSTONE (WATER - SHUT OFF)
- 57 YELLOWISH - BROWN SHALE
- 68 BROWN SANDSTONE - WATER - APPROX 6 1/2 GPM BALING FROM BOTTOM
- 69 HARD BROWN SANDSTONE
- 70 SANDY BLUE - GREY SHALE
- 70 Show exact depth of bottom.

Owner H. C. KUHN Address 1144 6TH ST. N. HAURE, MONTANA
 Driller HI-LINE DRILLING SERVICE Address HAURE, MONTANA

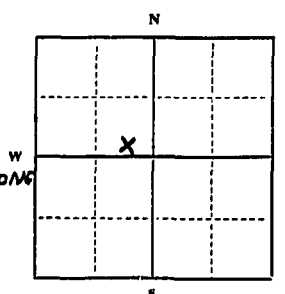
Date of Notice of appropriation of groundwater.....
 Date well started NOVEMBER 16, 1967 Date completed 16

Type of well DRIILLED 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 5/8"	6 3/4" O.D. 13" PER FT.	6' x 3" BELOW GROUND LEVEL	35 1/2	(NO PERFORATIONS) CASING SET AT 56 1/2 FT LEVEL + WATER COMING IN THRU BOTTOM OF RAINE SHOE		
	6 7/8" O.D. 18" PER FT.	35 1/2	56 1/2	NO CASING INSTALLED BELOW 56 1/2 FT.		



Static Water Level for non-flowing well 13 feet.
 Shut-in Pressure for Flowing Well NOT APPL.
 Pumping Water Level 55 feet
 at 4 1/2 gal. per minute.
 Discharge in gal. per min. of flowing well NOT APPLICABLE
 How Tested BALER + PUMP
 Length of Test 4 HOURS

SE. 1/4 Sec. 4 T. 32 R. 16.
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.

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

 (Continue on reverse side)

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

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.
 Please answer all questions. If not applicable, so state, otherwise the form will be returned.

46
 Driller's License Number
Herbert Zries
 Driller's Signature.

43,379

410289

H. C. KUHN

TO

THE PUBLIC

GROUND WATER RIGHTS

STATE OF MONTANA,) ss.
COUNTY OF HILL)
Filed at 1:00 o'clock P.M.

JAN 12 1968

R. E. BLOM

COUNTY CLERK

By

Nara Nelson

DEPUTY

fee: \$2.00 paid

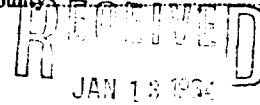
File No. _____

T. 32 N. R. 16 E.

DUPLICATE

County Hill

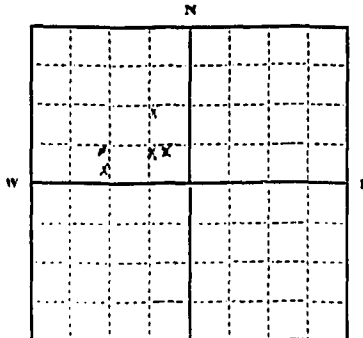
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



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

1. Fritz Haber, of No. Side 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:



SE NW 4 32 16
SW 1/4 NW Sec 4 T32 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 wells

3. Date or approximate date of earliest beneficial use; and how continuous the use has been October, 1957; continuous use to date

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 G.P.M.

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal centrifugal pumps; location shown on diagram

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

8. The depth of water table 40 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater driven, 1 1/2" sand points, 40 ft. deep

10. The estimated amount of groundwater withdrawn each year 200,000 gal.

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

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

Signature of Owner Fritz Haber
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.

31161

387103

FRITZ NAER

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA
COUNTY OF HILL
Filed at 11 o'clock *am*

ON 3 1 1963

COUNTY CLERK

DEPUTY

FEE \$2.00 pd.

397103
397103

FRITZ NAHER

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA)
COUNTY OF HILL)
Filed at 11 o'clock AM

ON 7-3-1963
TE
COUNTY CLERK
BY _____ DEPUTY

FEEL \$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 227 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 MRS. CHARLES NABOR
Address 817 5TH ST. NO. HAURE, MONTANA 59501
Date well started OCTOBER 24, 1972
completed OCTOBER 30, 1972

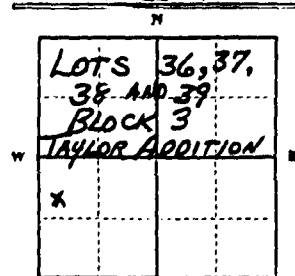
For Administrator's Use
File <u>456824</u>
Date <u>Jan 1, 1973</u>
GW 1

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 EXCEEDING 500,000 GALLONS

Size of Well	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS
<u>12"</u>	<u>6 5/8" O.D. 1 FOOT (188 WALL) ABOVE 13" PER FOOT GALVANIZED LEVEL STEEL</u>	<u>0</u>	<u>18</u>	<u>(NO PERFORATIONS)</u>
<u>6 5/8"</u>	<u>13" PER FOOT GALVANIZED LEVEL STEEL</u>	<u>69' 8"</u>	<u>69' 8"</u>	<u>WATER COMING IN THRU BOTTOM OF DRIVE COLLAR AT 69' 8" LEVEL</u>



NW 1/4 SW 1/4 Sec 4
T. 32 S. R. 16 W.

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

Driller's Signature Robert Zavin HI-LINE DRILLING SERVICE
Driller's Address 1173 6TH ST. NO. HAURE, MONTANA 59501 PHONE 265-4210
LICENSE NO. 46

County HILL

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 (Foot)	To (Foot)
<u>0 TO 3</u>	<u>SOIL</u>
<u>3</u>	<u>BROWN SAND + SILT</u>
<u>18</u>	<u>SANDY BROWN CLAY</u>
<u>20</u>	<u>GREY SAND + SILT - TRACE OF WATER</u>
<u>25</u>	<u>SOFT GREY CLAY</u>
<u>28</u>	<u>SANDY GREY CLAY</u>
<u>30</u>	<u>GREY SAND + SILT - TRACE OF GRAVEL - WATER (BASED OFF)</u>
<u>39</u>	<u>SANDY GREY CLAY - SOFT</u>
<u>41</u>	<u>SAND - SOME GRAVEL - WATER - VERY DIRTY</u>
<u>46</u>	<u>GREY SILTY CLAY</u>
<u>49</u>	<u>GREY SAND</u>
<u>50</u>	<u>GREY SAND - SOME GRAVEL</u>
<u>58</u>	<u>SANDY GREY CLAY</u>
<u>62</u>	<u>SILTY GREY CLAY</u>
<u>65</u>	<u>GREY CLAY - SOFT</u>
<u>206</u>	<u>SANDY GREY CLAY</u>
<u>69' 8"</u>	<u>SAND + GRAVEL - WATER - EXCEEDING 16 GPM</u>

Static water level 11' 8" ft.
Pumping water level 45' ft.
at 15 gallons per minute, measured 30 minutes after pumping began.

*Measured from ground level
Well developed by BAERY PUMP for 8 hours.
Power ELECTRIC Pump 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) SOLE RAN TO 12" DIAMETER TO 14 FT. BEFORE CASING INSTALLED. UPON COMPLETION OF WELL ANNULAR SPACE FILLED WITH BENTONITE + DRILLING MUD BACK TO 8 FT.

69' 8" Show exact depth of bottom

52,187

426824

MRS. CHARLES NABOR

TO

THE PUBLIC

WATER WELL

STATE OF MONTANA }
COUNTY OF HILL } SS
Filed at 8:00 o'clock A M

ON JAN 9 1973

R. E. Blom
COUNTY CLERK
BY Walter E. Day
DEPUTY

Fee:\$2.00 pd.

C.D.B.X.E.D

File No. _____ STATE WATER CONSERVATION BOARD

T. 22N R. 16E 4

JAN 31 1965

County Hill

DUPLICATE

Top of Ground

Site _____ McDermott _____
Butcher _____ McNulty _____
Lusk _____ Motion _____
Darlington _____ Sullivan _____
Dickert _____

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

1 top soil
20 20 1/2 brown sand clay
25 blue sand
51 gravel
52 1/2
54 gray clay

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Dale Omsberg Address North Havre, Montana

Driller Simpson Drilling Co. Address Malta, Montana

Date of Notice of appropriation of ground water _____

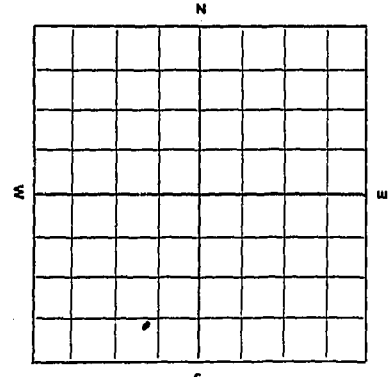
Date well started 6/8/1965 Date Completed 6/10/1965

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)
6	5-14.16	11.2.0	5-9	3/16	50 1/2	5-7



SE 1/4 Sec 4 T22 R16
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing well 6 feet.
Shut-in Pressure for Flowing Well _____
Pumping Water Level 12 feet
at 10 gal. per minute.
Discharge in gal. per min. of flowing well _____

How Tested _____
Length of Test _____
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

[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.

40796

Doc. No. 405419

MRS. DALE OSBERG

TO

THE PUBLIC

NOTICE OF COMPLETION OF GROUND
WATER APPROPRIATION BY MEANS OF
WELL

STATE OF MONTANA
COUNTY OF HILL
Filed at 3:00 P.M. 1966

BY JAN 28 1966
R. E. BLOM

County Clerk
Havre, Montana

By _____
DEPUTY

Fees \$ 2.00 pd.

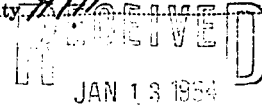
File No.

T 32 N R 16 E H

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)

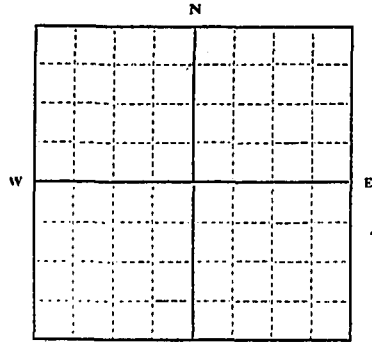
STATE ENGINEER

Dale Ost

343 1st St Home

1. Name of Appropriator, of Address Montana (Town)

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



Lots 134 135 sec 16 T32N R16E

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

- 2. The beneficial use on which the appropriation is based. *Household fire shop and irrigation*
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. *continuously since 1956*
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). *5.0 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. *pressure pump at centrally located*

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. *1964*
- 8. The depth of water table. *20 feet*
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. *100 foot well with 6" casing*
- 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. *don't know*
- 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 Dale Ost
Date Dec 30, 1963

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

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

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

397026

DALE GST

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA,
COUNTY OF BILL
Filed at 1 o'clock p.m.

ON ~~DEC 30~~ 1963

H. B. Blum
COUNTY CLERK
DEPUTY

FEE: \$2.00 pd.

GW 2

File No.

DUPLICATE

RECEIVED

T. 324 R. NE 1/4 24
County: Hill

STATE ENGINEER

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)

George Overcast

Owner: George Overcast Address: 198 North side, Havre

Driller: Simpson Drilling Co. Address: Malta, Montana

Date of Notice of Appropriation of Groundwater

Date well started: 5/10/62 Date Completed: 6/14/62

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

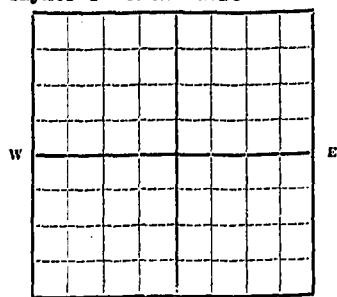
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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
23 sandy clay
30 sand
51 sandy clay
60 sand water
70 gravel and water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5	4 - 12	0	70			

Lot 12-Blk1
Taylor's North Havre



1/4 Sec. 4 T. 22N R. 16E

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

-70

Show exact depth of bottom.

Static Water Level for non-flowing Well 10 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 35 feet at 11 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: bailed 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

Driller's Signature: *Charles Jacobson*

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 the Appropriator.

1949

389835

GEORGE OVERCAST

to

THE PUBLIC

NOTICE OF COMPLETION OF GROUND
WATER APPROPRIATION BY MEANS
OF WELL.

STATE OF MONTANA, ss.
COUNTY OF HILL
Filed at 8 o'clock A. M.

ON AUG 6 1962

COUNTY CLERK

By _____
DEPUTY

Fee: \$2.00 pd.

File No.....

T. 32 R. 16

DUPLICATE

GW 4

County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 14 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater... 12 August 1963

Owner... Theodore Durant Address... 770 Northside House Mart.

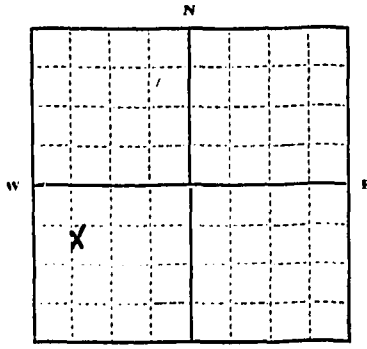
Contractor (if any)

Address of Contractor

Date Started... 1954 Date Completed... 1966

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

Handpoint - To 60 feet



N.W. 1/4 20th Sec. 4 T. 32 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.....

17 to 20 gallons per minute

for household use -

garden & shrubs in summer.

Signature of Owner... Theodore Durant

Date... Aug 12 - 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.

394804

THEODORE OWNAND

TO

THE PUBLIC

D.V.G. W.

STATE OF MONTANA,)
COUNTY OF BILLINGS) ss.
Filed at 8 o'clock A.M.

ON AUG 12 1963

R. E. Blom
COUNTY CLERK

By _____
DEPUTY

FEE: \$2.00 pd.

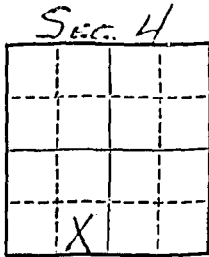
T. 32N R. 16E
County Hill

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JUN 12 1957

WATER WELL LOG

STATE ENGINEER



Owner Frank, Papillo Address Havre Mont.
 Driller A.M. Black Address Chinook, Mont.
 Date Started May 19th 1957 Date Completed June 5 1957
 Location: Sec. 4 T. 32N R. 16E 1/4 sec.

Type of well yard-house drilled Equipment used 22 W. Bucyrus Spudder.
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

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

Casing: 5 ft. to 178 ft. Type regular Size 7 in. O.D.

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

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

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

Type of screen or perforations none

Static Water level, for non-flowing well: approx 15 ft below pump cellar feet.

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

Pumping water level: 40 ft draw down at 60 gal. per min.

How tested: bailer

Length of test: 10 hrs

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
 well produces through bottom of casing
 in gravel & coarse sand.

(over)

File No.

T. 33^N R. 16^E 4

DUPLICATE

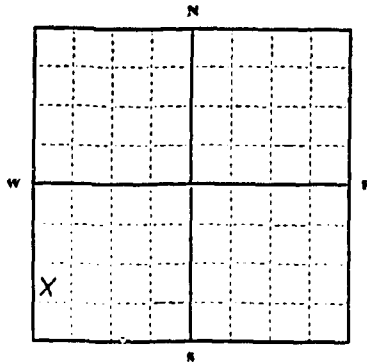
County Hill

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 Papilio of #1-7 Ave North 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:



S. 1/4 S.W. 1/4 Sec. 11 T. 32 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 Industrial

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 7/19/61

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 7/15/61 - 7/19/61

8. The depth of water table 50

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

10. The estimated amount of groundwater withdrawn each year

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

	<u>0-1</u>	<u>top soil</u>
	<u>1-12</u>	<u>brown clay</u>
	<u>12-39</u>	<u>brown sandy clay</u>
	<u>39-42</u>	<u>hard pan</u>
	<u>42-47</u>	<u>brown sand & water</u>
	<u>47-49</u>	<u>gravel and sand and water</u>
	<u>49-50</u>	<u>good gravel and water</u>

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 Papilio

Date 12-12-63

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.

396527

FRANK CASTILLO

TO

THE PUBLIC

DECLARATION OF VESTED GROUND
WATER RIGHTS

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

NOV 13 1963

R. E. Blom
COUNTY CLERK

Fees: \$2.00 pd.

GW 2

File No.

DUPLICATE

No. 100-1111 given

9 9
T 32 N R 16 E 4

County Hill

STATE OF MONTANA RECEIVED
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER JUN 12 1962

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
(Elev. above sea level.....)
0
2 top soil
28 -28 sandy brown clay
49 -49 sand and water
-54 sand and gravel

Owner Frank Papillo Con. Co. Address 125 north side

Driller Simpson Drilling Co. Address Malta, Montana

Date of Notice of Appropriation of Groundwater

Date well started 5/22/62 Date Completed 5/24/62

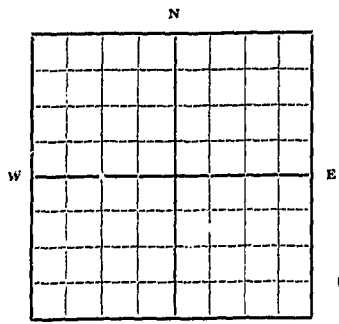
Type of well drilled Equipment Used Cabletools
(dug, driven, bored or (Churn, drill, rotary or drilled) other)

Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

*Lot 2
Kowalezyk Tract.*

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)
4-7/8	4" 14	0-	54			



..... 1/4 Sec 4 T. 32 N R. 16 E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 8 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 17 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested..... 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)

Show exact depth of bottom.

54

15
Driller's License Number

[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 the Appropriator.

851

Doc. No. 389059

FRANK PAPILO CON. CO.

TO

THE PUBLIC

NOTICE OF COMPLETION OF
GROUNDWATER APPROPRIATION
BY MEANS OF WELL

STATE OF MONTANA
COUNTY OF HILL

Filed at 10:00 o'clock

ON JUN 11 1962

G. C. Yeon COUNTY CLERK

By _____ DEPUTY

Fee: \$2.00 Pd.

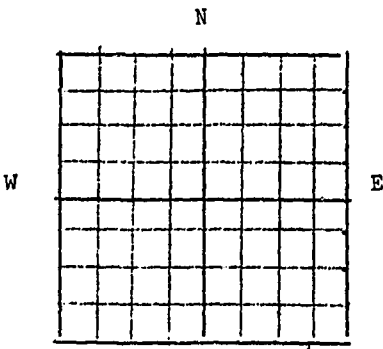
GW-4
FILE NO. _____

TWP 32 N RGE 16 E
COUNTY RECEIVED
DEC 27 1963

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. THOMAS A REESE, of 1310 3rd St. 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:



LOT 1-2 ^S Block 4
Sec 4 T32N R16E
Havre N. Havre
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 irrigation
- Date or approximate date of earliest beneficial use; and how continuous the use has been 2-1-1946
- The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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 NONE
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal ELECTRIC PUMP
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 10-1-1957
- The depth of water table 93 FT.
- 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 2 IN SAND POINT
- The estimated amount of groundwater withdrawn each year 2 million gal.
- The log of formations encountered in the drilling of each well if available NONE
- 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 Thomas A Reese
Date Dec. 26, 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.

386787

THOMAS A. RENSE

TO

THE PUBLIC

DECLARATION OF WASTED
GROUNDWATER RIGHTS

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

ON 26 1963

[Signature]
COUNTY CLERK

DEPUTY

RECEIVED
JUL 8 1973

321-16E
County HULL 4

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

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.

(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 JANA & ROSE SHENNUM
Address 1017 4TH ST. No
HAURE, MONTANA 59501
Date well started MAY 25, 1972
completed JUNE 1, 1972

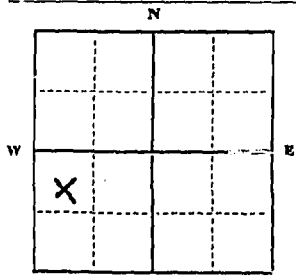
For Administrator's Use	
File <u>428078</u>	Date <u>JUNE 1, 1973</u>
GW 1 <u>3:30 P.M.</u>	

Type of well DRILLED
(Dug, drier, 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 TRAILER COURT
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 2,500,000 GALLONS

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>12"</u>		<u>0</u>	<u>20</u>			
<u>6 5/8"</u>	<u>6 5/8" O.D. (188 WALL) 130 PER FOOT GUARANTEED LEVEL T+C</u>	<u>2 FEET ABOVE GROUND</u>	<u>83</u>	<u>JOHNCO STAINLESS STEEL SCREEN (WITH 6" OP LEAD AND 21" OP 5 3/8" O.D. STEEL TOTAL OF 54") INSTALLED FROM GROUND LEVEL OR 24 1/2 FT</u>	<u>25</u>	<u>87</u>



NW 1/4 SW 1/4 Sec. 4
T. 32 R. 16

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

Driller's Signature Richard Spain H-Line Drilling Service
Driller's Address 1173 6TH ST. No PHONE 265-4210
HAURE, MONTANA LICENSE NO. 416

Top of Ground (Elev. above sea level)	
From (Feet)	To (Feet)
0 to 2	SANDY SOIL
2	BROWN SAND + SILT
13	BROWN SANDY CLAY
17	BROWN CLAY
20	RUNNY BROWN SAND
27	GREY CLAY (SPT)
29	SAND + GRAVEL - WATER - (CASED OFF)
33	SANDY GRAY CLAY
37	GRAY CLAY
39	GRAY SILT + SAND
41	SAND + GRAVEL - SHARP LADEN WITH CLAY PARTICLES - WATER ESCORING 20 G.P.M. NOT CLEARING WELL (CASED OFF)
45	SAND - VERY LITTLE GRAVEL - WATER (CASED OFF)
52	GRAY SAND + SILT
72	GRAY CLAY
79	SANDY GRAY CLAY
81	GRAY SAND - ALMOST FINE
83	GRAY SAND - TRACE OF GRAVEL
86	GRAY SAND - SOME GRAVEL - WATER
87	GRAY CLAY

5' SLOT 6" TELESCOPE TYPE WELL PACKER, 27" OF SCREENED AREA, CASING WELDED TO BOTTOM. FOR FROM 22 1/2 FT. TO 27 FT. FROM TO 29 FT. FROM TOP OF CASING

Static water level 10ft.*
Pumping water level 68ft.*
at 29gallons per minute,
measured 300minutes after pumping began.
*Measured from ground level.
Well developed by BAUER + AIR for 12hours.
Power ELECTRIC. Pump 1 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) HOLE FRAMED TO 12" DIAMETER TO 20 FT. UPON COMPLETION OF WELL, ANNUAL SPACE FILLED WITH BENTONITE + DRILLING MUD BACK TO SURFACE

87 Show exact depth of bottom

53,343.

428078

JOHN SHENNUM & ROSE SHENNUM

TO

THE PUBLIC

WATER WELL

STATE OF MONTANA }
COUNTY OF HILL } SS
Filed at 3:30 o'clock P.M.

ON JUN 1 1973

R. E. Blom

BY *Ruth E. Blom* COUNTY CLERK
DEPUTY

Fee:\$2.00 pd.

INDEXED

GW

Approved Stock Form—State of Montana—Helena, Montana—42234

File No.

T. 32 N. R. 16 E

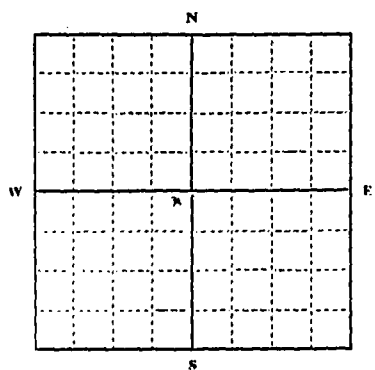
DUPLICATE

County: **RECEIVED**
JAN 13 1962

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. Daniel A. Shiflett, of 169 Farley Ave Harve
(Name of Appropriator) (Address) (Town)
County of Field State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 4 T. 32 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 Household
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1936 Continuous
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 gpm.
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof NP
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump & sandpoint

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1936
- 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 Sandpoint 2" 4.5' deep
- 10. The estimated amount of groundwater withdrawn each year.....
- 11. The log of formations encountered in the drilling of each well if available Not available
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....

Signature of Owner Daniel A. Shiflett
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.

31210

397153

DANIEL SHIMLETT

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA, ss.
COUNTY OF HILL)
Witness my hand and seal this 11th day of October, 1963.

BY _____ 1963

[Signature]
COUNTY CLERK

VERILY

FEE: \$2.00 pd.

File No. _____

T 32N R 16E

DUPLICATE

County Hill

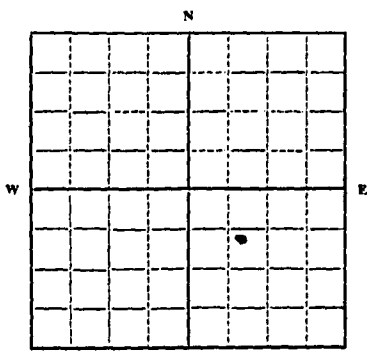
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 2 - 1963

Declaration of Vested Groundwater RIGHTS STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. John A. Swanson, of 222 N Harve
(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:



7N 6 3/4 W 1/4 SW Sec. 4 T. 32 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 Household and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been April 17, 1940

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gal per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
8 acres sandy river loam
John A. Swanson

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Electric pump 1 1/2 H.P.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April 17, 1940

8. The depth of water table within 3 ft of top of 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 7 1/2 ft.

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

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

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

Signature of Owner John A. Swanson
Date July 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.

394356

JOHN A. SWANSON

TO

THE PUBLIC

DECLARATION OF VESTED GROUND
WATER RIGHTS

STATE OF MONTANA, ss.
COUNTY OF HILL)
Filed at 8 o'clock A.M.

ON JUL 1 1963

R. E. Blom

CLERK

By _____ DEPUTY

Fee: \$2.00 pd.

GW-4
FILE NO. _____

TWP 32 N RGE 16 E
COUNTY Hill

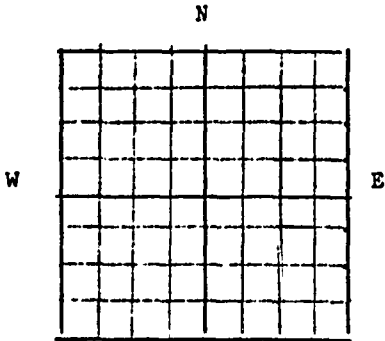
4

Replicate

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. David H. Turner, of 226 Hill Street, 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:



Lots 28 + 29, Blk 3, Taylor's N. Havre
1/4 Sec 4 T32N 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
Drinking, all household + related uses.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
Mar. 17, 1952 + continuous since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gal.
per minute.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
yard use - 5/4 acre
David H. Turner

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Existing prior to 17 Mar 52.

8. The depth of water table 25 ft. to 18 ft. in depth.

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
Six 5/8 in. d. points on 1 1/2 inch pipes.

10. The estimated amount of groundwater withdrawn each year 165,000 Gal.

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
Book 66, p. 487, Hill Co. Mont.

Signature of Owner David H. Turner

Date December 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.

396866

DAVID H. TURNER

TO

THE PUBLIC

DECLARATION OF VESTED
COORDINATION RIGHTS

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

ON 16 3 1963
D. B. Blain
COUNTY CLERK
DEPUTY

FEE: \$2.00 pd.