

397197

GORDON & LO-RAINE KEELING

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

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

ON ~~DEC 8~~ 1963
[Signature]
COUNTY CLERK

DEPUTY

\$2.00 pd.

GF

0323

File No.

T. 36^N R. 12^E

DUPLICATE

County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

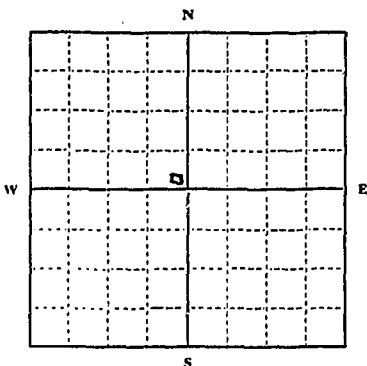
RECEIVED
DEC 12 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Otto Pateras of Haure St. Haure
(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:



N1/4 Sec 23 T. 36 R. 12

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

- 2. The beneficial use on which the claim is based for house use and watering stock
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1936 used since 1936
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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. not used for irrigation
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Electric deep well pump

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. the well was the place where I bought this land
- 8. The depth of water table. 180 ft
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. the well was drilled to 180 ft and has bitum casing
- 10. The estimated amount of groundwater withdrawn each year. 365,000 gal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 Otto Pateras
Date 12-9-1963

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.

8685

396197

OTTO PATERA

TO

THE PUBLIC

DECLARATION OF VESTED GROUNDWATER
RIGHTS

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

BY DEC 11 1963

R. E. Blom

COUNTY CLERK

DEPUTY

Fee: \$2.00 pd.

GW 4
FILE NO. _____

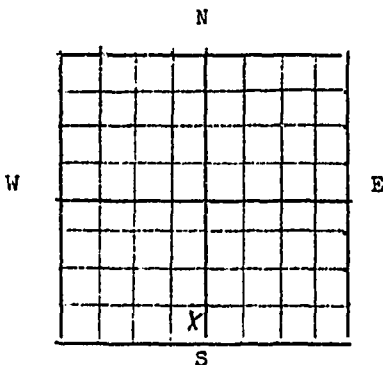
TWP 36 N RGE 12 E
COUNTY Hills
RECORDED
JAN 18 1964

32

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Orville G. Welch, of Hildford
(Name of Appropriator) (Address) (Town)
County of Hills, State of Montana
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



Sec 7 2 T 36 R 12

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 residence
- Date or approximate date of earliest beneficial use; and how continuous the use has been 1915
- The amount of groundwater claimed (in miner's inches or gallons per minute) 6 gal per min
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none
- 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 1956
- The depth of water table 150 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 6 in steel casing
- The estimated amount of groundwater withdrawn each year 100,000
- 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 Orville G. Welch
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.

396943

COMMERCIAL TRUST COMPANY

VS

THE PUBLIC

DEPARTMENT OF REVENUE
GENERAL INVESTIGATION

STATE OF MONTANA
COUNTY OF HILL
Filed at 1:45 o'clock p.m.

QW 12 9 1963
W. E. Blom
COUNTY CLERK

DEPUTY

RE: 12.00 pd.

GW-4
FILE NO. _____

TWP 36 RGE 13
COUNTY Hill

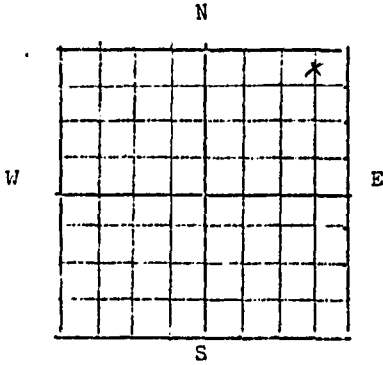
DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

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

1. Russell Whitson, of Hill-1 Box 45 Hill
 (Name of Appropriator) (Address) (Town)
 County of Hill, State of Montana
 Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



NE 1/4 Sec 7 T 36 R 13

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 Sept. 1962
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Sept 1962
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 _____
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal submersible
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Sept 1- to Sept 15
8. The depth of water table 4 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 20 ft dia
10. The estimated amount of groundwater withdrawn each year _____
11. The log of formations encountered in the drilling of each well if available 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 Russell Whitson
Date Sept. 13 - 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.

390322

RUSSELL WHITSON

to

THE PUBLIC

DECLARATION OF VESTED GROUND
WATER RIGHTS

STATE OF MONTANA) ss.
COUNTY OF HILL)
Filed at 8:45 o'clock A.M.

ON SEP 13 1962

G. C. Yeon

COUNTY CLERK

BY

DEPUTY

Fee: \$2.00 pd.

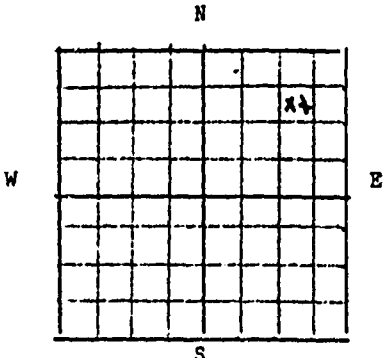
GW
FILE NO. _____

TWP 36^N RGE 13^E
COUNTY _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Carl J. Trapp, of Timberline St. Ignace
(Name of Appropriator) (Address) (Town)
County of Blaine, State of Mont
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



NE 1/4 NE Sec 8 T 36 R 13

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 #1 - 1961 #2 - 1955
Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) #1 - 159 p.m.
#2 - 2 gals p. 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 _____
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 See log #17 - 1961 - 1962
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater _____
10. The estimated amount of groundwater withdrawn each year _____
11. The log of formations encountered in the drilling of each well if available See
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 See

Signature of Owner Carl J. Trapp
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.

397108

EARL J. KNAPP

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA }
COUNTY OF HILL }
1963 at 11:00 clock a.m.

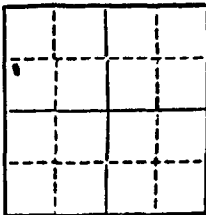
9/11 1963
E. J. Knapp
COUNTY CLERK

FILE # 32.00 pd. COUNTY

T. 25 N R. 15 E 12
 County Hill

ERNEST O. LEE, DRILLING
 1200 3RD STREET HAVRE

WATER WELL LOG



Owner Joe Wilson Address North Haven, Montana
 Driller Ernest O. Lee Address 1200 3rd St. Havre, Mont.
 Date Started July 15, 1961 Date Completed July 21, 1961
 Location: Sec. 11 T. 25 N R. 15 E 1/4 sec. 11

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

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

Casing: 0 ft. to 115 ft. Type galvanized iron Size 6 1/2"
 Casing: 115 ft. to 410 ft. Type galvanized iron Size 6"
 Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. 175 to ft. 410 Ft. _____ to ft. _____

Type of screen or perforations 1/2" mesh iron screen

Static Water level, for non-flowing well: 160 feet.

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

Pumping water level: 255 feet at _____ gal. per min.

How tested: 7 days

Length of test: 7 days

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

Drilled by Ernest O. Lee, July 15, 1961.

Joe Wilson, E.O.L.

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	24	Dark gray sand
24	35	Dark gray sand
35	100	Dark gray sand with thin layers of shale
100	110	Dark gray sand with thin layers of shale
110	120	Dark gray sand with thin layers of shale
120	130	Dark gray sand with thin layers of shale
130	135	Dark gray sand
135	140	Dark gray sand
140	150	Dark gray sand
150	155	Dark gray sand
155	165	Dark gray sand
165	170	Dark gray sand
170	177	Dark gray sand
177	180	Dark gray sand
180	185	Dark gray sand
185	200	Dark gray sand
200	205	Dark gray sand
205	210	Dark gray sand
210	225	Dark gray sand with thin layers of shale
225	235	Dark gray sand
235	240	Dark gray sand
240	250	Dark gray sand
250	255	Dark gray sand
255	260	Dark gray sand
260	270	Dark gray sand
270	275	Dark gray sand
275	280	Dark gray sand
280	285	Dark gray sand
285	290	Dark gray sand

Log of Well

Depth, feet		Description of Material Drilled
From	To	
260	265	Grey Sandstone--Water 1/2 gal. per min.
265	264	Hard Grey Sandstone
264	267	Grey Sandstone
267	272	Light Brown Shale
272	274	Grey Shale
274	278	Brown Shale
278	281	Blue-grey Shale
281	289	Grey Shale
289	292	Blue-grey Shale
292	294	Grey Shale
294	297	Light Brown Shale
297	299	Grey Sandstone
299	301	Light Grey Shale--Ivory Shell
301	310	Grey Sandstone--Water 1/2 gal. per min.
310	313	Light Grey Shale
313	319	Blue-grey Shale
319	324	Grey Shale
324	333	Grey Sandstone
333	335	Grey Shale
335	340	Grey Sandstone
340	347	Grey Shale
347	352	Blue-grey Shale
352	359	Grey Shale
359	369	Blue-grey Shale
369	373	Grey Sandstone

DOCUMENT NO. 384367

JOE MAISAM
TO
THE PUBLIC

WATER WELL LOG

STATE OF MONTANA,) ss.
COUNTY OF HILL)
Filed at 9:30 o'clock a.m.

ON JUL 6 1961

G.C. YEON

COUNTY CLERK

By

DEPUTY

Date Started Date Completed

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

Type of well Equipment used (Churn drill, rotary, other)

Water use: Domestic Municipal Stock Irrigation

Industrial Drainage Other:

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

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

Type of screen or perforations

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

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

GW
FILE NO. _____

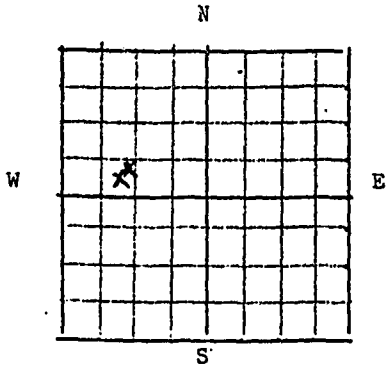
TWP 36^N R3E 13^E
COUNTY Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1962

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

1. JOSEPH A. MALCAM of Bowso RT1 Haure STATE ENGINEER
(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:



SW 1/4 NW Sec 14 T 36 R 13

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

2. The beneficial use on which the claim is based House and Stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1920
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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 _____
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Cylindrical pumps
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1920
8. The depth of water table 10 ft. water table on both wells
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 well 30 ft deep - 1 well 20 ft deep
4 ft diameter steel casing 4 ft steel casing
10. The estimated amount of groundwater withdrawn each year 200,000 gal on one well
36,500 gal on house well
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 Joe Malcam
Date Jan 3 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.

397258

JOSEPH A. WALSAUM

TO

THE PUBLIC

DECLARATION OF VOIDED
GROUNDWATER RIGHTS

STATE OF MONTANA, ss.
COUNTY OF HILL

Witness my hand and seal this 23rd day of October, 1963.

1963
J. E. Blom
COUNTY CLERK

NOTARY

Fee: \$2.00 pd.

File No. _____

T. 36N R. 13E

13

DUPLICATE

County HILL

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner ADAM KELLER Address SIMPSON BOULE

Driller SIMPSON DRILLING CO Address HAVRE, MONTANA

Date of Notice of appropriation of ground water _____

Date well started 2/4/1971 Date Completed 3/5/1971

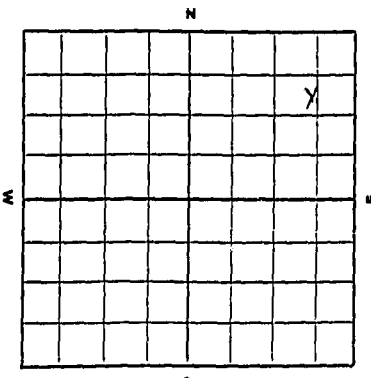
Type of well DRILLED Equipment used CABLE TOOLS
(dug, driven, bored or Churn, drill, rotary or
drilled) other)

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.

- Top of Ground
- (Elev. above sea level _____)
- 37 sandy brown clay
- 39 sand gravel and water
- 72 thin layers of brown and gray shale
- 84 gray shale
- 87 brown shale
- 99 blue shale
- 102 rock layer
- 120 blue sandy shale
- 122 rock layer
- 134 sandstone
- 134 1/2 rock layer
- 137 sandstone
- 148 gray shale
- 153 brown shale
- 157 gray shale and coal
- 166 gray shale
- 173 sandy gray shale
- 182 blue shale
- 185 rock layer
- 189 blue hard shale
- 190 brown shale
- 191 rock layer
- 198 sandy brown shale
- 208 hard greenish shale
- 228 gray shale
- 231 brown shale
- 234 blue shale
- 239 brown sandy shale
- 251 blue shale
- 255 greenish hard shale
- 262 blue shale
- 290 gray shale
- 290 blue sandy shale
- 297 gray shale
- 305 blue shale
- 310 gray soft shale
- 314 rock layer
- 329 blue shale
- 336 sandstone and water
- Rock layer

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 3/4"	1 1/2 lbs	6' B. C.	136'	329 3/16	229	336
				3/16	329	336



Sec. 15 T. 36 N. R. 13 E.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing well 120 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 270 feet
at 4 gal. per minute.
Discharge in gal. per min. of flowing well _____

How Tested BATTLE

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. Doc. No. 420523

Filed for record
this 12 day of MARCH
A. D. 1971 at 2:15
o'clock P. M.

15
Driller's License Number
Driller's Signature

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

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

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

48224

420523

ADAM KELLER

TO

THE PUBLIC

NOTICE OF COMPLETION OF
GROUNDWATER APPROPRIATION

STATE OF MONTANA)
COUNTY OF HILL) ss.
Filed at 2:15 o'clock P.M.

MAR 12 1971

R. E. BLOM
COUNTY CLERK

DEPUTY

FEE: \$2.00 paid

GW

Approved Stock Form—State Publishing Co., Helena, Montana—4224

File No.

T. 36^N R. 13^E 23
County Hill

DUPLICATE

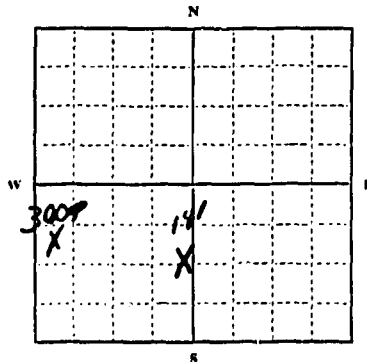
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 27 1963

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

1. Richard Velle of Sumner Pt., Havone
(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:



1/2 Sec 23 T. 36 R. 13

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 and cattle use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been December 1, 1963 (steady)

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

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

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

7. The date of commencement and completion of the construction of the well, wells or other works for withdrawal of groundwater
December 1, 1963

8. The depth of water table 8' 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" pipe drilled one well 3001 ft (other well 18" steel culvert)

10. The estimated amount of groundwater withdrawn each year 50,000 gallons

11. The log of formations encountered in the drilling of each well if available
3001 well, gunter, clay, alkali

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 Richard Velle
Date 12/23/63

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

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

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

13418

396750

RICHARD VBLE

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

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

ON 12 1963

R. E. BIGNETT CLERK

BY SECRET

FEES \$2.00 pd.

T. 36 N R. 13 E 26
County Hill

ERNEST O. LEE, DRILLING
1200 3RD STREET HAVRE

RECEIVED

WATER WELL LOG

STATE ENGINEER

x		

Owner William Gerky Address 438 2nd Ave., Havre
Driller Herbert Freier Address 28 1/2 N State St., Havre
Date Started September 19, 1961 Date Completed September 23, 1961
Location: Sec. 26 T. 36 R. 13 1/4 sec. SW 1/4 of Section 26

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

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

Casing: 0 ft. to 62 ft. Type Spang-seamless Size 7"

Casing: 54 ft. to 281 ft. Type Spang-seamless Size 6"

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

Perforated or Screened: Ft. 100 to ft. 110 ft. 258 to ft. 273

Type of screen or perforations 1/4" X 5" Perforations

Static Water level, for non-flowing well: 105 feet.

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

Pumping water level: 260 feet at 5 gal. per min.

How tested: Baler

Length of test: 2 hours

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

William N Gerky
(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	42	Brown Sandy Clays
42	47	Grey Clay
47	55	Quick-sand
55	58	Brown Shale
58	62	Blue-grey Shale
62	76	Blue Shale
76	78	Brown Shale
78	101	Blue Shale
101	105	Hard Grey Sandstone and shell
105	110	Grey Sandstone--Water--1 g. l. per min.
110	112	Brown Shale
112	142	Blue Shale
142	143	Brown Shale and Ivory Shell
143	150	Blue Shale
150	151	Hard Grey Shell
151	157	Light Grey Shale
157	182	Blue Shale
182	184	Light Brown Shale and Ivory Shell
184	192	Grey Shale
192	211	Blue Shale
211	214	Sandy Grey Shale
214	217	Hard Grey Shell
217	226	Light Grey Shale
226	229	Light Brown Shale
229	238	Grey Shale

Log of Well
No. of Material Drilled

Log of Well

Depth, feet		Description of Material Drilled
From	To	
238	246	Blue Shale
246	258	Blue-grey Shale
258	268	Sandy Blue Shale
268	275	Grey Sandstone---Water--5 gal. per min.
275	277	Light Brown Shale
277	281	Grey Shale

DOCUMENT NO. 385383

WILLIAM GERKY
TO
THE PUBLIC

WATER WELL LOG

STATE OF MONTANA)
COUNTY OF HILL) ss.
Filed at 5:50 o'clock A.M.

ON SEP 25 1961
G.C. YEON

By _____ COUNTY CLERK
DEPUTY

Date Started..... Date Completed.....
Location: Sec..... T..... R..... 1/4 sec.....

--	--	--	--

Type of well..... Equipment used..... (Churn drill, rotary, other)
Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other.....
Casing:..... ft. to..... ft. Type..... Size.....
Casing:..... ft. to..... ft. Type..... Size.....
Casing:..... ft. to..... ft. Type..... Size.....
Perforated or Screened: Ft..... to ft..... Ft..... to ft.....
Type of screen or perforations.....

GW-4
FILE NO. _____

TWP 36^N RGE 13^E
COUNTY _____

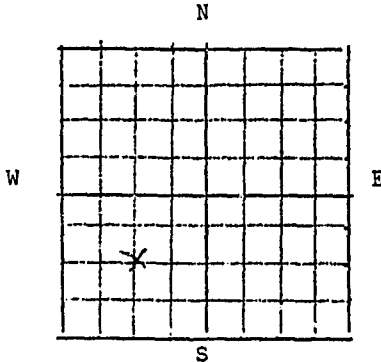
27

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 17 1963

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

1. William H. Derby, of STATE ENGINEER
 (Name of Appropriator) (Address) (Town)
 County of Deer, State of Mont
 Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



S4¹/₄ Sec 27 T. 36 R. 13

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

2. The beneficial use on which the claim is based
Stock and House use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
1930 all the time
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
10 Gal Per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
has engine and Pump Jack
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 30 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 _____
10. The estimated amount of groundwater withdrawn each year 3,15,000 gal
11. The log of formations encountered in the drilling of each well if available
1000 Gal Per day
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 William H Derby

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.

397200

WILLIAM H. GEEKY

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

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

ON DEC 31 1963

R. E. Blom
COUNTY CLERK

DEPUTY

FEE: \$2.00 pd.

31

File No.

T. 36 N. R. 13 E

DUPLICATE

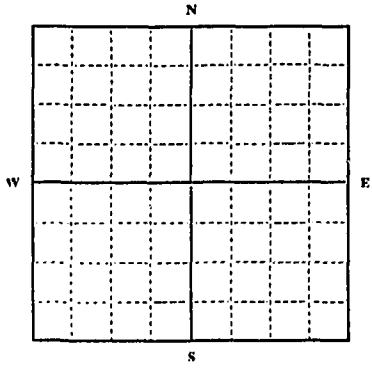
County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Harfield Peterson of Rt 1 Box 37 Have
(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 1/4 Sec. 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 water

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

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

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

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

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

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. 4 ft in Diam + 20 ft deep.

10. The estimated amount of groundwater withdrawn each year. 100000 gal

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

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

Signature of Owner. Harfield Peterson

Date. 12-16-63

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

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

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

10331

396572

GARYT TO PETERSON

TO

THE PUBLIC

DECLARATION OF VESTED GROUND
WATER RIGHTS

STATE OF MONTANA
COUNTY OF HILL
Filed at 1 o'clock P.m.

ON DEC 16 1963
R. E. Blom
COUNTY CLERK
DEPUTY

Fee: \$2.00 pd.

332

File No.

T. 36^N R. 13^E

DUPLICATE

County Hill

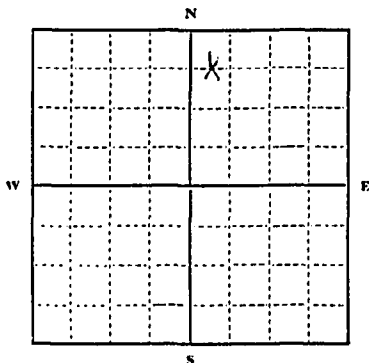
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Garfield Peterson (Name of Appropriator) of Rt 1 Box 37 Havre (Address) (Havre) (Town)

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



NE 1/4 Sec 32 T 36 R 13

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 + Stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1920 Daily

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

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

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

8. The depth of water table. 8 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 5 ft. in diameter 14 ft deep

10. The estimated amount of groundwater withdrawn each year. 300,000 gal

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

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 Garfield Peterson

Date 10-10-63

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

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

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

10332

396573

GARFIELD PETERSON

TO

THE PUBLIC

DECLARATION OF WASTED GROUND
WATER RIGHTS

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

BY DEC 16 1963

R. E. Blom

COUNTY CLERK

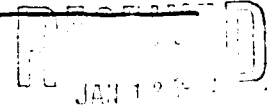
DEPUTY

Fee: \$2.00 pd.

GW-4
FILE NO. _____

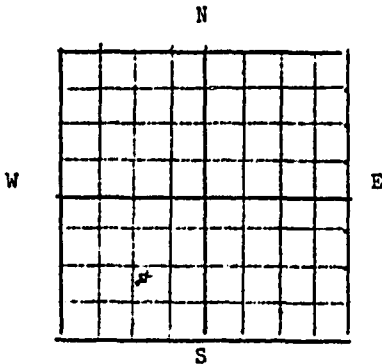
TWP 36 N RGE 13 E
COUNTY _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



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

1. Russell Peterson, of P.O. Box 34 Harvi
(Name of Appropriator) (Address) (Town)
County of Hell, State of Montana
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



S. 14. 1/2 Sec. 33 T. 36 R. 13

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

1. shallow well 15 ft from water
2. The beneficial use on which the claim is based Stock Water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been from Nov 14, 1942 to now 1963
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 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 deep well pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Nov 14 - 1942 completed
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 20 ft of 5/8 in casing
10. The estimated amount of groundwater withdrawn each year 400,000 gal
11. The log of formations encountered in the drilling of each well if available _____
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record _____

Signature of Owner Russell Peterson
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.

396925

RUSSELL PETERSON

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA)
COUNTY OF HILL) ss.
Filed at 11:30 a'clock 25 m.

BY 11:30 1963

H. G. Peterson
REGISTRAR

FEE: \$2.00 pd.

File No. _____

T. 36 R. 13

DUPLICATE

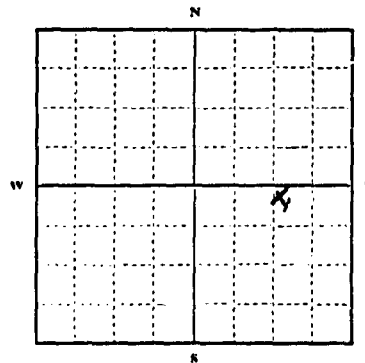
County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
SEP 9 1963

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

1. Mrs. Allena E. Larson, of Havre, (Name of Appropriator) (Address) (Town)
County of Hill State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 23 T. 36 R. 13

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. *Use for house use and stock with pond of water.*
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. *July 1913 last year use was about 1/2 inch or so but this was for water.*
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). *3 gal.*
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. *Shallow pump.*
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. *by hand dig about 4 days.*
- 8. The depth of water table. *17 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. *7.5 ft.*
- 10. The estimated amount of groundwater withdrawn each year. *approximately 1200 lbs.*
- 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 *Mrs. Allena E. Larson*
Date *Sept 6 1963*

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

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

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

395133

Mrs. Allena E. Larson

To

The Public

Declaration of Vested
Groundwater Rights

STATE OF MONTANA, ss.
COUNTY OF HILL)
Filed at 10:10 o'clock - Am.

ON _____ 1963

R. E. Blom
COUNTY CLERK

BY _____
DEPUTY

Fees: \$2.00 rd.

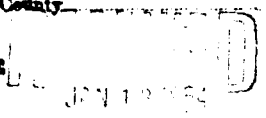
File No. _____

T. 36 N. R. 13 E

DUPLICATE

County _____

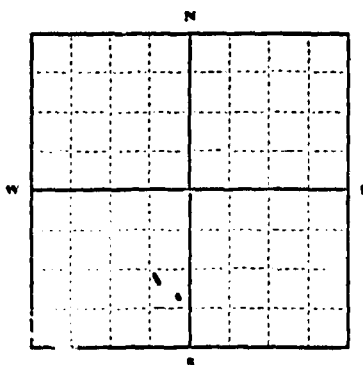
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



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

1. ERNEST E GERKY, of SIMPSON RIVER, 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 1/4 Sec. 36 T. 36 R. 13

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

- 2. The beneficial use on which the claim is based livestock and stock
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been May 12 - 1953
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). Ten - 10 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
none
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. May 12 - 1953 and 1912

8. The depth of water table. 20' - 220ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4"x4"; 6" O.D. - 20' - 220' deep -

10. The estimated amount of groundwater withdrawn each year unknown

11. The log of formations encountered in the drilling of each well if available 0-50 - Clay; 50-75 - yellow clay; 75-100 - blue sand shale; 100-120 - shale sandy; 120-200 - brown shale + 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.

Signature of Owner Ernest E Gerky
Date 12-30-1963

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.

396955

ERNEST E. GECKY

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

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

ON DEC 30 1963

L. E. Blain
COUNTY CLERK

BY

REPUTY

SEE: \$2.00 pd.

GW 2

File No.

DUPLICATE

RECEIVED
JUL 3 1964

Approved Stock Form—State Publishing Co., Helena, Montana—39318

T. 36 N. R. 14 E. H.
County Neel

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 13 1964

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner ART COX Address SIMPSON MOUNT

Driller E. O. LEE Address 1700 3rd ST
FAVRE

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

Date well started SEPT 20 Date Completed SEPT 28 1964

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

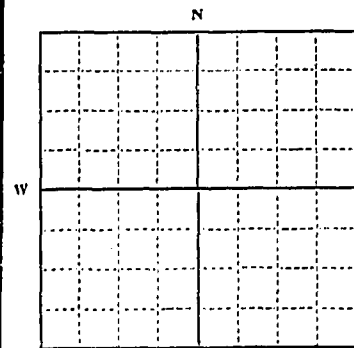
Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

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

- 20 Brown Clay
- 30 Sandstone
- 23 Grey shale
- 31 Dark shale
- 48 Rock shell
- 49 Grey shale
- 118 coal
- 119 Dark Brown shale
- 124 light Brown shale
- 161 Grey shale 3 ga (per min) 7
- 168 Dark Brown shale 2 ga
- 186

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
	4 1/2" 13	0	186	5/8"	165	186
				1/4" x 4	165	186



1/4 Sec. 4 T. 36 R. 14 E.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.
186'

Static Water Level for non-flowing Well 7.0 feet.

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

Pumping Water Level 196 feet at 5 gal. per minute.

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

How Tested BAKER Length of Test 2 hr

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

This Well was run to 17" and gravel packed

MAINT # 21
Driller's License Number

E. O. Lee
Driller's Signature

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.
Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

31092

397021

ART COX

TO

THE PUBLIC

NOTICE OF COMPLETION OF
GROUNDWATER WITH WELL

STATE OF MONTANA,
COUNTY OF BILL
Filed at L. O'Connell, M.

ON ~~DEC 29~~ 1953

L. O'Connell
COUNTY CLERK

By _____
REGISTRY

FEE: \$2.00 pd.

GW 4
FILE NO. _____

TWP 36 N RGE 14 E
COUNTY Hill

17

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

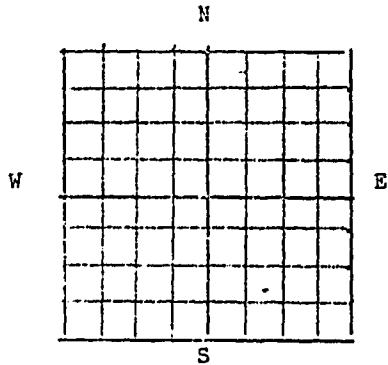
10413744

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

STATE ENGINEER

1. W. E. Mueller, of 263 State St. Hayes
(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:



Sec 17 T 36 R 14

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 June, 1957. Continuous
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 150 gal. per day
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof _____

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

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater May, June, 1957
- 8. The depth of water table 40 feet
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Just an open well
- 10. The estimated amount of groundwater withdrawn each year 7500 gal.
- 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 W. E. Mueller
Date December 30, 1953.

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.

3114

397043

W. E. MULLER

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

W. E. Muller
COUNTY CLERK
DEPUTY

EE: \$2.00 pd.

GW 4
FILE NO. _____
DUPLICATE

TWP 36N RGE 14E
COUNTY HILL

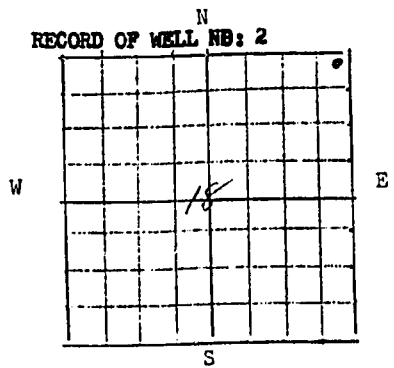
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
SEP 6 1962

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

STATE ENGINEER

1. United States Air Force, of North Harro
(Name of Appropriator) (Address) (Town)
County of Hill, State of Montana
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



NE-NE $\frac{1}{4}$ Sec 18 T36N R 14E

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

2. The beneficial use on which the claim is based
Potable water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
October 29, 1952 -- Continuous to date
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
4 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
NONE
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Reciprocating Cylinder Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Completed April 14, 1951
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
TYPE -- Drilled, SIZE 10" DEPTH 904 Feet
10. The estimated amount of groundwater withdrawn each year 1,728,000 Gallons
11. The log of formations encountered in the drilling of each well if available
YELLOW SANDY SHALE, GREY SHALE, COAL, BROWN SHALE, LIGHT GREY SHALE, FOSSILIFEROUS LIMESTONE, SOFT SANDSTONE, SANDY SHALE, GREEN SHALE, HARD FOSSILIFEROUS LIMESTONE.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record _____

Signature of Owner E.G. WOODING Major, USAF, Commander

Date 28 Aug 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.

390159

UNITED STATES AIR FORCE

to

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

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

ON AUG 31 1962

G. C. Yeon

COUNTY CLERK

By _____

DEPUTY

Fee: None

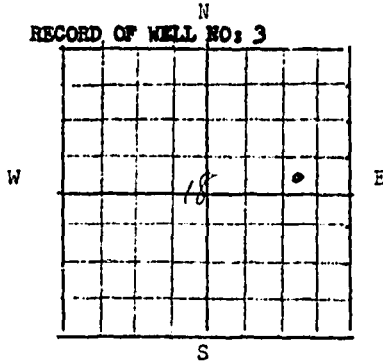
GW 4
FILE NO. _____
DUPLICATE

TWP 26N RGE 11E
COUNTY HILL RECEIVED
SEP 6 1962

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. United States Air Force, of North Harro
(Name of Appropriator) (Address) (Town)
County of Hill, State of Montana
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



2. The beneficial use on which the claim is based
Potable water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
November 1953
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
4 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
NONE

SE-NE¹ Sec 18 T 36N R 11E

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
Reciprocating cylinder pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Completed November 1953
8. The depth of water table 10 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
TYPE- Drilled, DEPTH- 780 Feet, SIZE 8"-0 to 7.5 FT, 7"-680 to 780 FT
10. The estimated amount of groundwater withdrawn each year 1,000,000 gallons
11. The log of formations encountered in the drilling of each well if available
GREY SHALE, MUDSTONE, SAND, COAL, BROWN SHALE, GREEN SHALE, SANDSTONE, SILTSTONE, CLAYSTONE.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner E.C. WOODING Major, USAF, Commander

Date 28 Aug 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.

390160

UNITED STATES AIR FORCE

to

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

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

ON AUG 31 1962

G. C. Yeon

COUNTY CLERK

By _____

DEPUTY

Fee: \$none

GW-4
FILE NO. _____
DUPLICATE

TWP 36 RGE 14E
COUNTY HILL

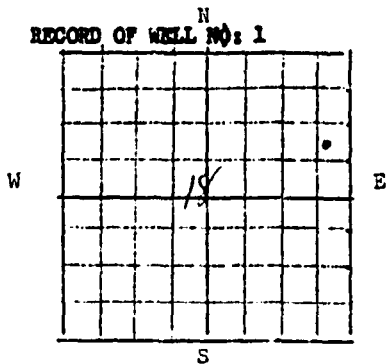
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
SEP 11 1962

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

STATE ENGINEER

1. United States Air Force, of North Harro
(Name of Appropriator) (Address) (Town)
County of Hill, State of Montana
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



SE-NE Sec 18 T 36N R 14E

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

2. The beneficial use on which the claim is based
Potable water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
Completed Nov. 1, 1952 Continuous use to date.
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
5 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
NONE
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Feeless Turbine Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
November 1, 1952
8. The depth of water table
60 Feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
TYPE--Drilled, SIZE--10" Dia 75', Depth--635 Feet, 7"-7.5" to 77'
10. The estimated amount of groundwater withdrawn each year
1,110,000 gallons
11. The log of formations encountered in the drilling of each well if available
YELLOW SANDY SOIL, STICKY MUDDY SHALE, GREY MUDDY SHALE, GREY SHALE, BROWN SHALE, BENTONITE, GREEN SHALE
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner E.C. WOODRIF Major, USAF, Commander

Date 28 Aug 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.

390161

UNITED STATES AIR FORCE

to

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

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

ON APR 1 1962

G. C. Yeon
COUNTY CLERK

by _____
DEPUTY

Fees: None

File No.

T. 36 N R. 14 E

DUPLICATE

County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Well No. 4
Havre AFS

RECEIVED

Declaration of Vested Groundwater Rights

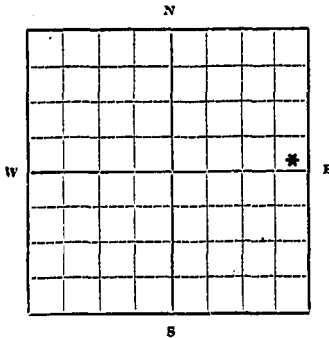
(Under Chapter 237, Montana Session Laws, 1961)
ALBERT F. STRAUB, Chief, Acquisition Branch, Real Estate Division,
U.S. ARMY ENGINEER DISTRICT, Seattle, for and on behalf of

STATE ENGINEER

1. THE UNITED STATES OF AMERICA, of 1519 Alaskan Way South, Seattle 4,
(Name of Appropriator) (Address) (Town)

County of King State of Washington

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



SE 1/4 NE 1/4 Sec. 18 T. 36 N R. 14 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 To be used by United States AF for its personnel in official duty
- 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) 73 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 Pumped from well as shown or described on well log

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

8. The depth of water table 147 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 10" - 1700 feet

10. The estimated amount of groundwater withdrawn each year 8,000,000 Gallons

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

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

For and on behalf of THE UNITED STATES OF AMERICA through U.S. Army Engineer District, Seattle, Real Estate Division

Signature of Owner by Albert F. Straub
ALBERT F. STRAUB, Chief,
Acquisition Branch

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.

10-12

1853

INCLOSURE - I

DEPARTMENT OF THE ARMY DIVISION <u>North Pacific</u> INSTALLATION <u>Seattle District</u>			1. PROJECT <u>Havre A.F.S., Montana</u> <u>Water Supply</u>		SHEET <u>2</u> OF <u>4</u>	
DRILLING LOG			2. LOCATION (Coordinates or Station) <u>SE 1/4, NE 1/4, Sec. 18, T 36N, R 14 E</u>			
3. HOLE NUMBER (As shown on drawing title and file No.) <u>Well No. 4</u>			4. DRILLING AGENCY <u>R. J. Strasser Drilling Co., Portland, Ore.</u>			
5. ANGLE AND DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED ANGLE WITH VERTICAL _____ BEARING _____			6. THICKNESS OF OVERBURDEN <u>21 feet</u>	7. DEPTH DRILLED INTO ROCK <u>1679 feet</u>	8. TOTAL DEPTH OF HOLE <u>1700 feet</u>	
9. SIZE AND TYPE OF BIT <u>12" & 10" churk</u>		10. MFR. DESIGNATION OF DRILL <u>Sucyrus Erie 36-L</u>		11. ELEVATION TOP OF HOLE <u>3190.84 feet (MSL)</u>	12. TOTAL CORE RECOVERY _____	
13. DEPTH AND ELEVATION GROUND WATER <u>artesian</u>		14. TOTAL CORE RECOVERY _____		15. DATE HOLE STARTED <u>13 May 1958</u> COMPLETED <u>25 Oct 1958</u>		
				16. INSPECTOR(S) <u>E. Miller (Construction D.)</u> <u>R. Galster (Engrng. Div.)</u>		
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Water loss, drilling time, etc.)
3190	0					
3153	7	CL				
3177	13	SP	fine (loess)			
3169	21	CL-M	glacial till			Top of rock
						Bearpaw shale
		sh	Shale, medium to dark gray, plastic, w/strata of slightly sandy shale			
3105	85					
		sh	Shale, brownish gray, plastic			
3075	115					
3043	147					Static water level on 15 June 1959, 147 ft.
		sh	Shale, dark gray, plastic, medium hard, w/ strata of slightly sandy shale at depth 270 feet			
2855	335					
		sh	Shale, black, medium hard, w/ slightly sandy shale at base			
2788	402					Base of Bearpaw shale Top of Judith River fr.
		sh	Shale, medium to dark gray, w/ thin strata of gray sandstone and lignite			
		c				

RECEIVED
STATE ENGINEER

Incl I

375/71-12-02 SHT. 1 of 4

INCLOSURE - I

DEPARTMENT OF THE ARMY		1. PROJECT		SHEET	
DIVISION <u>North Pacific</u>		<u>Hayes A.F.S., Montana</u>		<u>of 4</u>	
INSTALLATION <u>Seattle District</u>		2. LOCATION (Coordinates or Station)			
<u>DRILLING LOG</u>		<u>SE 1/4, NE 1/4, Sec. 18, T. 36N, R. 11 E</u>			
3. HOLE NUMBER (As shown on drawing title and file No.)		4. DRILLING AGENCY			
<u>Well No. 4</u>		<u>R. J. Strasser Drilling Co., Portland, Ore.</u>			
5. ANGLE AND DIRECTION OF HOLE		6. THICKNESS OF OVERBURDEN		7. DEPTH DRILLED INTO ROCK	
<input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		<u>21 feet</u>		<u>1679 feet</u>	
8. TOTAL DEPTH OF HOLE		12. TOTAL CORE RECOVERY			
<u>1700 feet</u>		<u>3190.84 feet (WSL)</u>			
9. SIZE AND TYPE OF BIT		10. W.P.M. DESIGNATION OF DRILL		11. ELEVATION TOP OF HOLE	
<u>12" & 10" chuk</u>		<u>Bucyrus Erie 36-L</u>		<u>3190.84 feet (WSL)</u>	
13. DEPTH AND ELEVATION GROUND WATER		14. TOTAL CORE RECOVERY		15. DATE HOLE	
<u>Artesian</u>		<u>3</u>		STARTED <u>13 May 1958</u>	
				COMPLETED <u>25 Oct 1958</u>	
				16. INSPECTOR(S)	
				<u>E. Miller (Construction D.)</u>	
				<u>R. Galster (Engrng. Div.)</u>	

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Water loss, drilling time, etc.)
3190	0					
3153	7	CL				
3177	13	SK	fine (loess)			
3169	21	GL	glacial till			Top of rock Bearpaw shale
		sh	Shale, medium to dark gray, plastic, w/strata of slightly sandy shale			
3105	85					
		sh	Shale, brownish gray, plastic			
3075	115					
3043	147					Static water level on 15 June 1959, 147 ft.
		sh	Shale, dark gray, plastic, medium hard, w/strata of slightly sandy shale at depth 270 feet			
2955	235					
		sh	Shale, black, medium hard, w/ slightly sandy shale at base			
2788	402					Base of Bearpaw shale Top of Judith River fm.
		sh	Shale, medium to dark gray, sandy shale, w/ thin strata of gray sandstone and lignite			

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JUN 24 1967
STATE ENGINEER

DEPARTMENT OF THE ARMY DIVISION <u>North Pacific</u> INSTALLATION <u>Seattle District</u>		1. PROJECT <u>Hayre A. F. S., Montana</u> <u>Water Supply</u>	SHEET <u>2</u> OF <u>4</u>
DRILLING LOG (Continued)		2. LOCATION (Coordinates or Station) see sheet 1	

ELEVATION	DEPTH LSC	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVER- ED	BOX OF SAMPLE NO.	REMARKS (Water loss, drilling time, etc.)
						Judith River fm.
2672	518	sh	Shale, medium to dark gray & greenish gray,			
2667	525	sa	Sandstone, gray, w/ interbedded lignite			
		sa	Sandstone, gray			
2650	560	sh	Shale, dark gray to greenish gray, bentonitic (in part)			
		sh	Shale, sandy, fine, medium gray			
2590	600	sh	Shale, light blue-gray, bentonitic (in part), w/ fine sandstone			
2538	632	sa	Sandstone, gray			
2501	676	sh	Shale, gray			
2500	690	sa	Sandstone, gray			
2490	720	sh	Shale, gray			
2481	728	sa	Sandstone, gray			
2450	730	sh	Shale, sandy, medium gray			
2427	760	sh	Shale, slightly sandy, medium gray			Dynamic water level at 49 gpm, 770 ft.
		sa	Sandstone, medium gray to brownish, shaly (in part)			
2364	826	sh	Shale, medium gray			Dynamic water level at 64 gpm, 842 ft.
		sa	Sandstone, gray			
2306	881	sh	Shale, gray			Dynamic water level at 75 gpm, 915 ft.
2301	889	sa	Sandstone, gray			
2288	902	sh	Shale, gray			
2279	911	sa	Sandstone, gray			
2266	924	sh	Shale, brown-gray			Water (5 gpm) from depths 939ft to 998ft
2251	939	sa	Sandstone, gray, Shale, dark gray & interbedded lignite			
		sh	Shale, dark gray			Base of Judith River fm. Top of Claggett fm.
2192	998	sh	Shale, dark gray			

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STATE ENGINEER

INCLOSURE 7

DEPARTMENT OF THE ARMY
DIVISION North Pacific
INSTALLATION Seattle District

1. PROJECT
Havre AFS, Montana
Water Supply

2. LOCATION (Coordinates or Station)
see sheet 1

SHEET 2
OF 2

DRILLING LOG (Continued)

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OF SAMPLE NO.	REMARKS (Water loss, drilling time, etc.)
	450					
		sh	Shale, medium to dark gray & greenish gray,			Judith River fm.
		sa	Sandstone, gray, w/ interbedded lignite			
2672	518					
2667	523	sa	Sandstone, gray			
		sh	Shale, dark gray to green-gray, bentonitic (in part)			
2630	560					
		sh	Shale, sandy, fine, medium gray			
2590	600					
		sh	Shale, light blue-gray, bentonitic (in part), w/ fine sandstone			
2538	652					
		sa	Sandstone, gray			
2504	686					
2500	690		Shale, gray			
2490	700	sa	Sandstone, gray			
2481	709	sh	Shale, gray			
		sa	Sandstone, gray			
2450	730					
		sh	Shale, sandy, medium gray			
2427	763					
		sh	Shale, slightly sandy, medium gray			Dynamic water level at 49 gpm, 770 ft.
2364	825					
		sa	Sandstone, medium gray to brownish, shaley (in part)			Dynamic water level at 64 gpm, 842 ft.
2306	884					
2301	889	sh	Shale, medium gray			
2288	902	sa	Sandstone, gray			
2279	911	sh	Shale, gray			
		sa	Sandstone, gray			Dynamic water level at 75 gpm, 915 ft.
2266	924					
2251	939	sh	Shale, brown-gray			
		sa	Sandstone, gray,			
		sh	Shale, dark gray & interbedded lignite			Water (5 gpm) from depths 939ft to 998ft.
		c				
2172	998					
		sh	Shale, dark gray			Base of Judith River fm. Top of Claggett fm.

RECEIVED
JUN 20 1962
STATE ENGINEER

ENG FORM 1836a
1 JAN 50

PROJECT Havre AFS, Montana

WELL NUMBER Well #4

375/71-12-02 SHT 2 of 2

INCLOSURE I

DEPARTMENT OF THE ARMY North Pacific Seattle District			1. PROJECT Havre A.F.S., Montana Water Supply		SHEET 3 of 4	
DRILLING LOG (Continued)			2. LOCATION (Coordinates or Station) see sheet 1			
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVER- ERY	BOX OF SAMPLE NO.	REMARKS (Water loss, drilling time, etc.)
	1000					Claggett formation
2164	1026	sh	Shale, dark gray			
2160	1030		Shale, dark gray, hard			
		sh	Shale, dark gray to greenish			
2098	1092		Shale, gray, w/ minor amts. of very fine sand			
2087	1107	sh	Shale, medium to dark gray w/ minor amts. of sand, hard			
2069	1121	sh	Shale, medium to dark gray			
2050	1140	sh	Shale, gray, hard			
2044	1146	sh	Shale, dark gray to black, w/ rare thin strata of sandy shale, plastic (in part)			
	1550					

RECEIVED
 STATE ENGINEER

ENG FORM 1 JAN 50 1838a

PROJECT Havre AFS, Montana HOLE NUMBER Well # 1

375/71-12-02 5HT 30F 4

ENCLOSURE 1

DEPARTMENT OF THE ARMY
 North Pacific
 Seattle District

1. PROJECT
 Havre A.F.S., Montana
 Water Supply

SHEET 2
 OF 4

2. LOCATION (Coordinates or Station)
 see sheet 1

DRILLING LOG (Continued)

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Water loss, drilling time, etc.)
	1000					Claggett formation
2164	1026	sh	Shale, dark gray			
2160	1030		Shale, dark gray, hard			
		sh	Shale, dark gray to greenish			
2098	1092		Shale, gray, w/ minor amts. of very fine sand			
2087	1103	sh	Shale, medium to dark gray w/minor amts. of sand, hard			
2069	1121	sh	Shale, medium to dark gray			
2050	1140	sh	Shale, gray, hard			
2044	1146	sh	Shale, gray, hard			
		sh	Shale, dark gray to black, w/ rare thin strata of sandy shale, plastic (in part)			
	1550					

RECEIVED
 JAN 20 1962
 STATE ENGINEER

ENG FORM 1 JAN 50 1838a

PROJECT Havre AFS, Montana

WELL NUMBER Well # 1

375/71-12-02 5HT 3054

ENCLOSURE

DEPARTMENT OF THE ARMY		1. PROJECT		Sketch of H		
DIVISION <u>North Pacific</u>		<u>Havre A.F.S., Montana</u>				
INSTALLATION <u>Seattle District</u>		<u>Water Supply</u>				
DRILLING LOG (Continued)			2. LOCATION (Coordinates or Station)			
			<u>See sheet 1</u>			
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	COF. RECOVERY	BOX or SAMPLE NO.	REMARKS (Water loss, drilling time, etc.)
	1550					Claggett formation
		sh	Shale, dark gray			
1567	1623					
1448	1642	sh	Shale, bedded, dark to light gray, hard to soft			Base of Claggett fm.
1544	1646	ss	Shale w/trin beds of sandstone, 6" coal at base			Top of Eagle formation
1537	1653	ss	Sandstone, gray, bedded, moderately lithified			Bottom of 10" casing at depth 1647 ft.
		ss	Sandstone, gray, massive, poorly lithified			
1490	1700		Bottom of Hole			Hole backfilled with 1/4"-3/4" rounded gravel to depth 1634 feet
						Water encountered at top of Eagle fm. rose to depth 1245 feet in 20 hours.
						Water encountered in Eagle fm. below depth 1653 feet rose to depth 180 feet in 24 hours.

ENG FORM 1 JAN 50 1836a

PROJECT Havre AFS, Montana

MOLE NUMBER Well #11

375/71-12-02 SHT 4 of 4

DEPARTMENT OF THE ARMY
 DIVISION North Pacific
 INSTALLATION Seattle District
 DRILLING LOG (Continued)

1. PROJECT Havre A.F.S., Montana
Water Supply

2. LOCATION (Coast Section or Station)
See sheet 1

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	NO. OF SAMPLE NO.	REMARKS (Water loss, drill bit time, etc.)
	1550					Claggett formation
		sh	Shale, dark gray			
1567	1623					
1548	1642	sh	Shale, bedded, dark to light gray, hard to soft			
1544	1646		Shale w/ thin beds of sandstone, 6" coal at base			Base of Claggett fm.
1537	1653	ss	Sandstone, gray, bedded, moderately lithified			Top of Eagle formation
		ss	Sandstone, gray, massive, poorly lithified			Bottom of 10" casing at depth 1647 ft.
1490	1700		Bottom of Hole			Hole backfilled with 1/4" - 3/4" rounded gravel to depth 1634 feet
						Water encountered at top of Eagle fm. rose to depth 1845 feet in 20 hours.
						Water encountered in Eagle fm. below depth 1653 feet rose to depth 180 feet in 24 hours.

RECEIVED
 24 1962
 STATE ENGINEER

389651

UNITED STATES OF AMERICA

to

THE PUBLIC

DECLARATION OF VESTED GROUND-
WATER RIGHTS

STATE OF MONTANA,) ss.
COUNTY OF HILL)
Filed at 3.00 o'clock P.M.

JUL 19 1962

G. C. Yeon

COUNTY CLERK

By _____

DEPUTY

Fees: \$2.00 pd.

GW 4
FILE NO. _____

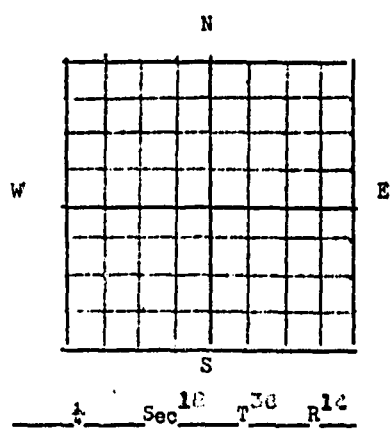
TWP 30 N RGE 24 E. 10
COUNTY Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 1 1962

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

1. _____, of _____ into _____ STATE ENGINEER
(Name of Appropriator) _____ (Address) _____ (Town)
County of _____ State of _____
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



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
residential and cattle water
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been
1913
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute)
200 gal. daily
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

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

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

- 8. The depth of water table
30 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

- 10. The estimated amount of groundwater withdrawn each year

- 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 _____
Date March 30, 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.

397045

TO
THE JUDGE

DEPARTMENT OF REVENUE
COURT HOUSE

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

ON DEC 30 1963
16 Edney
COUNTY CLERK
DEPUTY

IN: 2000 PG.