

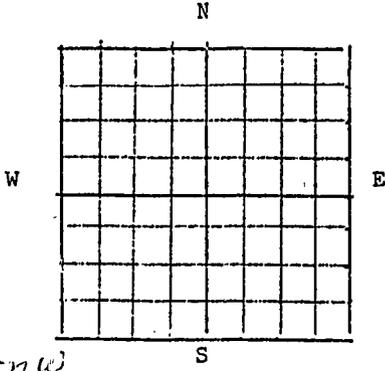
GW 4
FILE NO. _____

TWP 32^N RGE 12^E
COUNTY _____
JAN 12 1964

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Harry W. Cady, of Hammon
(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:



NW 1/4 Sec 4 T 32 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 Stock - Hammon
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been Sept 1925
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 878 U. 271
- 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 10 inch casing & 8 inch 80'
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Sept 1925 10 inch well
Shallow well 1915 8 inch 80'
- 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 _____
- 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 The estimated amount of groundwater withdrawn each year _____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 12-28-63

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.

396994

IN RE: [illegible]

vs.

THE PEOPLE

WILLIAM W. [illegible]
COUNTY CLERK

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

ON DEC 30 1963

COUNTY CLERK

DEPUTY

NTS: 2.00 pd.

T. 32 N R. 12 E 92

County ILLI

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
APR 21 1961

WATER WELL LOG

STATE ENGINEER

		X

Owner Kenneth E Wilson Address Kremora, Mont

Driller Beampore Drilling Co Address Malta, Mont

Date Started April 11, 1961 Date Completed April 14, 61

Location: Sec. 11 T. 29 R. 12 sec. NE 4

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

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

Casing: 0 ft. to 237 1/2 ft. Type T and C Size 6 in

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

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

Perforated or Screened: Ft. 222 to ft. 237 Ft. _____ to ft. _____

Type of screen or perforations _____

Static Water level, for non-flowing well: 275 feet.

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

Pumping water level 200 feet at 24 gal. per min.

How tested: Baled

Length of test 1 hour

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

Kenneth E Wilson

(over)

DOCUMENT NO. 383297

KENNETH E. WILSON

TO

THE PUBLIC

WATER WELL LOG

STATE OF MONTANA, ss.
COUNTY OF HILL }
Filed at 10 o'clock P. m.

ON APR 20 1961

G. C. YEON

COUNTY CLERK

By _____

DEPUTY

59	78	yellow clay
78	94	sandstone, blue
94	120	gray shale
120	123	blue shale
123	146	brown shale
146	170	blue shale
170	222	gray sandstone, dry
222	237	blue shale
		blue sandstone, water

GW 2

File No.

T. 32 ²⁴ / R. 12 E

DUPLICATE

County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CONTROL
OFFICE OF STATE ENGINEER

RECEIVED
MAR 18 1963

Notice of Completion of Groundwater
Appropriation by Means of Well ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

- 0 Top of Ground
- 58 (Elev. above sea level, 2810) Brown clay & boulders.
- 60 Dry gravel
- 63 Brown clay
- 67 Brown Sandstone (dry)
- 69 Hard Sandstone Shell
- 80 Brown Sandstone (dry)
- 91 Brown Shale
- 108 Blue Shale
- 117 Sandstone (dry)
- 118 Hard Sandstone Shell
- 129 Sandstone (dry)
- 132 Hard Sandstone Shell
- 142 Sandy Blue-grey Shale
- 149 Sandstone (Water-2 1/2 GPM)
- 151 Hard Sandstone Shell
- 155 Sandstone (Water-20PM)
- 159 Sandy Blue Shale
- 162 Sandstone (Water 20PM)
- 191 Light Grey Shale
- 192 Blue Shale

Owner: Arnold Sorenson Address: Kremlin, Montana

Driller: Herbert Dreier Address: 281 N State--Havre, Mont.

Date of Notice of Appropriation of Groundwater

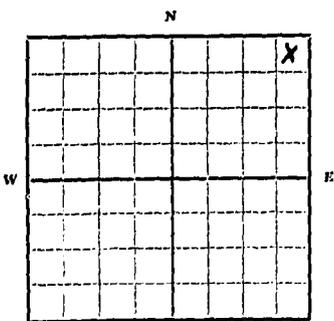
Date well started: October 18, 1962 Date Completed: October 29, 1962

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

Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	7" OD Pileless Unit	0	7	1/4" drilled	142	155
5" \overline{AD}	16# per'	7	25		159	162
5 3/16" \overline{AD}	10# per'	25	192			



NE 1/4 Sec. 24 T. 32 R. 12
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well: 136 feet.

Shut-in Pressure for Flowing Well: Not applicable

Pumping Water Level: 170 feet at 5 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: Baler & Su. Pump Length of Test: 8 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)

Packers placed at 129 to 132', at 140' and 157' levels.

46
Driller's License Number
Herbert Dreier
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.

222 237 Ch. of land closed, same

3427

392838

ARNOLD STRENSON

to

THE PUBLIC

NOTICE OF COMPLETION OF GROUND
WATER APPROPRIATION BY MEANS
OF WELL

STATE OF MONTANA)
COUNTY OF HILL)
Filed at 1:15 o'clock P. m.

ON MAR 15 1963

R. E. Blom

COUNTY CLERK

By _____ DEPUTY

Fee: \$2.00 pd.

T. 32 N R. 12 E 30
 County Lin

MONTANA BUREAU OF MINES AND GEOLOGY
 Butte, Montana

RECEIVED
 APR 15 1918

WATER WELL LOG

STATE ENGINEER

	X	

Owner: MARION WILSON Address: HAYES, MONTANA
 Driller: SIMPSON DRILLING CO. Address: WALTON, MONTANA
 Date Started: APRIL, 13 Date Completed: APRIL, 18
 Location: Sec. 30 T. 32 R. 12 1/4 sec. SE 1/4 NE 1/4

Type of well: drilled (aug. driven, bored, or drilled) Equipment used: _____ (Cable, drill, rotary, other)

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

Casing: 0 ft. to 107 ft. Type: T & C Size: 6

Casing: 104 ft. to 125 ft. Type: T & C Size: 4

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

Perforated or Screened: Ft. 104 to ft. 125 Ft. _____ to ft. _____

Type of screen or perforations: 3/16 holes

Static Water level, for non-flowing well: 37 feet.

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

Pumping water level: 28 feet at _____ gal. per min.

How tested: 1st 12 hr

Length of test: 1 HOUR

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

Marion W. Wilson

(over)

File No. _____

T 52 N R 12 E 32

DUPLICATE

County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

RECEIVED
DEC 6 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 2800)
- 0
- 5 Soil
- 30 Sandy Brown Clays
- 34 Sand & Gravel
- 68 Sandy Brown Clays
- 78 Sand
- 169 Grey Clays
- 172 Sand, trace coal, water
- 175 Gravel, Water

Owner Kathryn Johnson Address Kremlin, Montana

Driller Herbert Freier Address 281 N State St., Havre

Date of Notice of appropriation of ground water _____

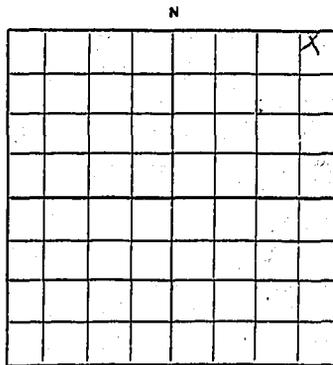
Date well started November 3, 1962 Date Completed Nov. 9, 1962

Type of well Drilled _____ Equipment used Churn
(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)
5"	4" ID 10 1/2" per foot	0	175	Perforations not required. Water feeding thru bottom of casing.		



NE 1/4 Sec. 32 T. 12 R.
Indicate location of well and place of use, if possible. Each small square represents .10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing well
Not applicable feet.

Shut-in Pressure for Flowing Well 24#

Pumping Water Level Not applicable feet
at _____ gal. per minute.

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

How Tested Calibrated tank

Length of Test 1 hour

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) Packers placed at 80 Ft. level. Cemented from 80ft. level to surface. Control valve installed to reduce water flow to 3 GPM.

Driller's License Number 46

Driller's Signature *Herbert Freier*

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.

391455

KATHRYN JOHNSON

to

THE PUBLIC

NOTICE OF COMPLETION OF GROUND
WATER APPROPRIATION BY MEANS OF
WELL

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

ON DEC 4 1962

G. C. Yeon

COUNTY CLERK

BY _____ DEPUTY

Fee: \$2.00 pd.

GW2

File No.

DUPLICATE

33

RECEIVED T 32 N R 12 E
 JUL 19 1963
 County Hill

STATE ENGINEER **RECEIVED**
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER JUN 4 1962

0
4
25
38
74
88
98
123
124
126
128

Top of Ground
 (Elev. above sea level. 2900')

Soil

Light Brown Sandy Olay

Brownish grey sandy clay

Grey Clay--Boulders

Sandy Grey Clay

Quicksand--Water, cased off

Grey Clay

Sand, silt--Water, approx. 40GPM

Pea Gravel

Course gravel--Water 12GPM

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

Owner. Kathryn J. Johnson Address. Kremlin, Montana

Driller. Herbert Freier-Jont. Address. 281 N. State St., Havre

Date of Notice of Appropriation of Groundwater May 8, 1962

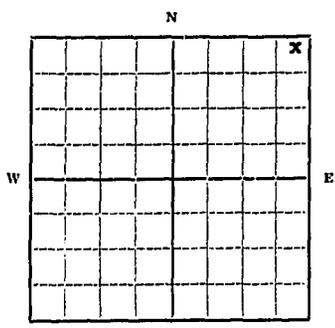
Date well started April 24, 1962 Date Completed May 5, 1962

Type of well Drilled Equipment Used Churn
 (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)
7"	7" OD 26# per ft.	2' above ground	128	No perforations		



NE 1/4 NE Sec. 33 T. 32 R. 12
 Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well..... 17..... feet.

Shut-in Pressure for Flowing Well Not applicable

Pumping Water Level..... 73..... feet at..... 8..... gal. per minute.

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

How Tested Baler and pump Length of Test..... 8 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) Casing placed in gravel to 128'. Flow reduced to 12 GPM at bottom. Water feeding through bottom of casing.

46
 Driller's License Number

Herbert Freier
 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.

388928

KATHRYN JOHNSON

TO

THE PUBLIC

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

STATE OF MONTANA,) ss.
COUNTY OF HILL)
Filed at 3:15 o'clock P.m.

ON MAY 29 1963

G. C. Yeon
COUNTY CLERK

BY _____ DEPUTY

Fee: \$2.00 pd.

GW
FIL. NO. _____

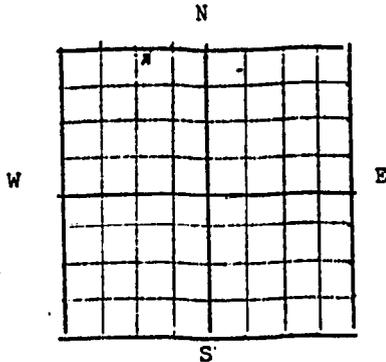
TWP 33 N RGE 13 E
COUNTY HILL

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 15 1963

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

1. Hill County, of KREMINGTON (Town)
(Name of Appropriator) (Address)
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 NW Sec 6 T. 32 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 DOMESTIC
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1937
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 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 Electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Jan 1 - Jan 15
8. The depth of water table 160'
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, 250' deep
10. The estimated amount of groundwater withdrawn each year 1,225,000 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 Hill County by Chairman
Date Dec 31 - 1963 Klaus Meckler

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.

397231

HILL COUNTY

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA) ss.
COUNTY OF HILL)
Filed at *12:00* o'clock *P.M.*
FEB 23 1963
COUNTY CLERK
DEPUTY

FEE: \$2.00 pd.

3

File No. _____

T. 32^N R. 13^E

DUPLICATE

County Hill
RECEIVED
JAN 13 1964

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

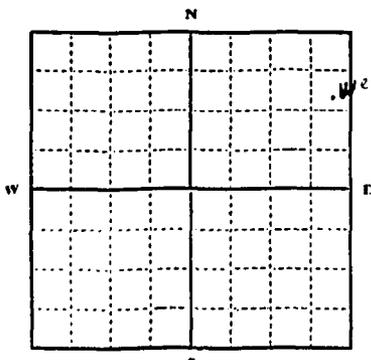
Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

200000

1. Martin W. Paulsen, Petitioner (Name of Appropriator) Kearney Ave (Address) Hill (Town)

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



NE 1/4 NE 4 Sec. 13 T. 32 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
domestic & irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1916 continuous by irrigation & domestic

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 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 None

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Hand-dug well
at NE 1/4 Sec. 13, T. 32, R. 13

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1915

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 Hand-dug well 5 inch casing 200 ft depth

10. The estimated amount of groundwater withdrawn each year 170,000 gallons

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Not known

Signature of Owner Martin W. Paulsen
Martin W. Paulsen

Date December 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.

31009

396938

WILLIAM E. FAYLE JR. PATTERSON

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA
COUNTY OF BLAINE
William E. Fayle Jr. Patterson

DATE: 12/12/1953

W. E. Fayle Jr.

FEE: \$2.00 pd.

T. 32 N R. 13 E
County Blaine

RECEIVED

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana
STATE ENGINEER

WATER WELL LOG

Owner Walter Peterson Address Healdin, Mont.
 Driller Simon Backlund Address Healdin, Mont.
 Date Started 1916 Date Completed 1916
 Location: Sec. 12 T. 32 R. 13 1/4 sec. S16 1/2

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 150 ft. Type Sheet metal Size 6"

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

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

Perforated or Screened: Ft. 150 to ft. 210 Ft. _____ to ft. _____

Type of screen or perforations unknown

Static Water level, for non-flowing well: 196 feet.

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

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

How tested: _____

Length of test was pumped 300 gal. per hour for 56 hrs. with no change in production

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

Walter Peterson

(over)

File No. STATE WATER CONSERVATION BOARD

T. 32 R. 13

19

DUPLICATE

JAN 25 1967

County HILL

LOG

B. D. C. D.

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)

Owner ARNOLD DEES Address KREMIA, MONTANA

Driller AL-LINE DRILLING SERVICE Address HAIRE, MONTANA

Date of Notice of appropriation of groundwater _____

Date well started 10/22/66 Date completed 11/2/66

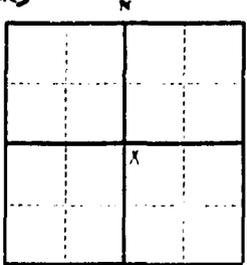
Type of well DRILLED Equipment used CABLE TOOL PIE (Dug, Driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic [X] Municipal [] Stock [X] 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.

- 0.76 Top of Ground
3 Soil
18 Yellowish-Brown Clay - Small Boulders
31 Crumbly Brown Clay
32 Brown Sand (Dry)
44 Sandy Brown Clay
53 Brownish-Grey Clay (Small amount of bio water at approx 44 ft)
61 Brownish-Grey Shale
68 Blue-Grey Shale
74 Shaly Brown Sandstone
77 Sandy Brown Shale
83 Brown Shale
89 Blue Shale
92 Hard Sandstone
108 Blue & Sandy Grey Shales
126 Grey Sandstone (Dry)
136 Grey & Lt. Brown Shales
138 Hard Sandstone
141 Blue-Grey & Lt Grey Shales
152 Hard Sandstone
155 Shaly Sandstone (Trace of water)
167 Lt. Grey Shale & Ivory Shell
168 Hard Dark Brown Shale
176 Shaly Grey Sandstone - (Water - approx 2 GPM)
182 Lt Brown & Grey Shales
204 Blue-Grey Shale
208 Brown Shale
213 Sandy Brown Shale
219 Blue-Grey Shale
223 Grey Shale
233 Brown Shale - (Coal seams)
234 Hard Grey Sandstone
246 Grey Sandstone - WATER - EXCEEDING 15 GPM BY BAILER TEST
246 Show exact depth of bottom.

Table with columns: Size of Drilled Hole, Hole and Weight of Casing, From (Foot), To (Foot), PERFORATIONS. Includes handwritten notes: '1 Foot Above Ground Level', '233', 'NO PERFORATIONS', 'CASING SET ON HARD SANDSTONE SOFT AT 233'', 'CONCRETE SANDSTONE FROM 224-246 NOT CASED'.



Static Water Level for non-flowing well 148 feet. Shut-in Pressure for Flowing Well Not App. Pumping Water Level 180 feet at 10 gal. per minute.

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

How Tested Bailer & Pump. Length of Test 8 Hours.

Remarks: (Gravel packing, cementing, packers, type of shutoff) Well Cemented From 233' Back to Approx 150'. Gravel Filler From 150' Back to Approx 75 ft. Cemented Again From 75' Back to 30 ft to Seal off Bad Water vein at 44 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).

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 Green Driller's Signature.

11/6/75

407903

ARNOLD DEES
TO
THE PUBLIC

NOTICE OF COMPLETION OF
GROUNDWATER APPROPRIATION
BY MEANS OF WELL

STATE OF MONTANA)
COUNTY OF HILL)
Filed on 2:00 P.M.

JAN 24, 1967

R. E. Blom
COUNTY CLERK

By _____ DEPUTY

Fee: \$2.00 Paid

GW
FILE NO. _____

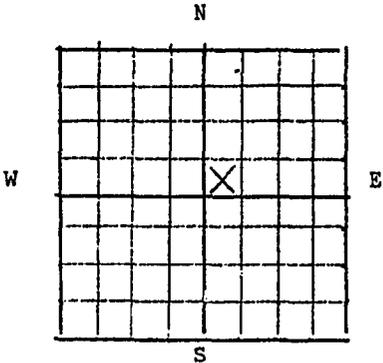
TWP 32N RGE 13E 19
COUNTY _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 18 1964

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

1. Arnold Daas, of Franklin INSIDE ENTERPRISE Franklin
(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 19 T 32 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
Home

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
1916 - daily

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

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
Submersible Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
1911

8. The depth of water table
110 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
10 inch casing - 210 ft - 17

10. The estimated amount of groundwater withdrawn each year
300 to 1000 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
none

Signature of Owner Arnold Daas

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.

397090

ARNOLD M. DEES

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

16
COUNTY CLERK

DEPUTY

SEE: \$2.00 pd.

STATE OF MONTANA

ADMINISTRATORS

NORMAN J. BEAUDRY, EXEC. SECY.
P. O. BOX 217
HELENA, MONTANA 59601
DONALD A. GARRITY, ATTORNEY
422 NORTH PARK AVENUE
HELENA, MONTANA 59601
JUDSON D. SWEET,
PETROLEUM ENGINEER
15 POLY DRIVE
BILLINGS, MONTANA 59101
HERBERT D. HADLEY, GEOLOGIST
15 POLY DRIVE
BILLINGS, MONTANA 59101

Kenneth G. Axvig



OIL AND GAS CONSERVATION COMMISSION

325 FULLER AVENUE
BOX 217
HELENA, MONTANA 59601

COMMISSIONERS

WINSTON L. COX, CHAIRMAN
225 SECURITIES BLDG.
BILLINGS, MONTANA 59101
ALLEN ZIMMERMAN, VICE CHAIRMAN
P. O. BOX 277
POPLAR, MONTANA 59258
E. G. BALSAM
2800 PEARL
MILES CITY, MONTANA 59301
L. V. HARRIS
NORSKY BLOCK BLDG.
HELENA, MONTANA 59601
C. J. IVERSON
WHITLASH, MONTANA 59648

July 27, 1970

Water Conservation Board
Water Resources Engineer
Sam W. Mitchell Building
Helena, Montana 59601

Dear Sir:

Enclosed you will find a copy of a Release Agreement
for the utilization of a fresh water well.

Operator: Texaco
Lease: Axvig
Well No. 1 Sec. 27, Twp. 32N, Rge 13E
Hill County

Yours very truly,

N. J. Beaudry
Norman J. Beaudry
Executive Secretary

NJB/mhl
Encl:

cc: Mr. W. Vond
Bureau of Mines and Geology
Butte, Montana 59701

Petroleum Engineer or Executive Secretary

Dated: July 22 19 70



48828

File No.

T. 32 R. 14

DUPLICATE

County HILL

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

RECEIVED
MAY 9 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner O. M. SATHRE Address Box 64 Havre, Mont.

Driller Hi-Line Drilling Service Address 281 N. State St. Havre, Montana

Date of Notice of Appropriation of Groundwater

Date well started April 23, 1963 Date Completed April 27, 1963

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

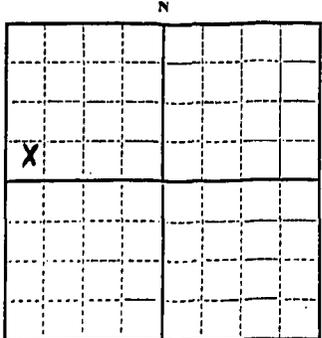
Top of Ground
(Elev. above sea level 2610)

0
5 TOP & SUBSOIL
36 SANDY BROWN CLAYS
39 BROWNISH-YELLOW CLAY
57 GREY CLAY
67 BLUE-GREY SANDY CLAY
76 BLUE SHALE
82 LIGHT GREY SOFT SHALE
86 SANDY BLUE SHALE
91 BROWNISH-GREY SHALE
102 BLUE SHALE
120 GREY SANDSTONE, WATER
APPROX. 2 GPM
124 SANDY BLUE SHALE
130 FIRM BLUE SHALE
150 GREY SANDSTONE,
WATER, APPROX.
3 GPM
152 FIRM BLUE SHALE

SW 1/4 NW 1/4 Sec. 1 T. 32 R. 14
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

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)
8"	7" O.D. 18" PER FT.	0	152	1/2" x 1/4" SLOTTED	102	120
					130	152



Static Water Level for non-flowing Well 94 feet.

Shut-in Pressure for Flowing Well NOT APPLICABLE

Pumping Water Level 126 feet at 4 gal. per minute.

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

How Tested BAUER Length of Test 2 1/2 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) PACKERS

PLACED DIRECTLY ABOVE PERFORATIONS AT 130 AND 102 FOOT LEVELS AND ALSO DIRECTLY ABOVE WATER LINE AT 94 FT.

46
Driller's License Number

Herbert Zreien
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.

393618

O. M. SAHRE

TO

THE PUBLIC

NOTICE OF COMPLETION OF GROUND
WATER APPROPRIATION BY MEANS
OF WELL

STATE OF MONTANA,) ss.
COUNTY OF HILL)
Filed at 3:30 o'clock P. M.

ON MAY 7 1963

R. E. Blom

COUNTY CLERK

By _____ DEPUTY

Fee: \$2.00 pd.

T. 32 R. 14
County Hill

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
MAY 1 1955

STATE ENGINEER

WATER WELL LOG

Owner Lloyd W Kaercher Address Box 1087 Havre
 Driller R. I. McCutcheon Address Havre, MONT.
 Date Started April 14, 1955 Date Completed May 8, 1955
 Location: Sec. 2 T. 32 R. 14 sec. SW 7

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

Water use: Domestic Municipal Stock Irrigation
 Industrial Drainage Other _____

Casing: 4' ft. to 206 ft. Type Merchant Size 6" OD

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

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

Perforated or Screened: Ft. 144' to ft. 165'. Ft. _____ to ft. _____

Type of screen or perforations Casing perforated

Static Water level, for non-flowing well: 140' feet.

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

Pumping water level 166' feet at 4 gal. per min. 3 gal per Min
(Rate)

How tested: Bailing

Length of test UNKNOWN

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

Well cemented in well pit

(over) Lloyd W Kaercher

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	18	Glacial Fill
18	19	Layer Gravel
19	45	Fill
45	56	yellow Shale
56	65	Brown Sandy Shale
65	67	Hard Rib
67	70	yellow Shale
70	74	Blue Shale
74	101	Blue Gray Sandy Shale
101	105	Blue Shale
105	118	Gray Shale
118	120	Blue Gray Shale
120	122	Gray Sandy Shale
122	132	Gray Shale
132	139	Gray Sand Stone
139	141	Hard Rib
141	170	Gray Sand Stone
170	200	Light Gray Shale Gray Brown Shale
200	206	Light Gray Shale
206	220	Gray Sand Stone
220	221	Gray Shale

DOCUMENT NO. 386552

LLOYD KAEPCHER

TO

THE PUBLIC

WATER WELL LOG

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

24 DEC 1961
G.C. YECH

COUNTY CLERK

By _____

DEPUTY

56	63	Brown sandy shale
65	67	Hard Rib
67	70	Yellow Shale
70	74	Blue Shale
74	101	Blue Gray Sandy Shale
101	105	Blue Shale
105	118	Gray Shale
118	120	Blue Gray Shale
120	122	Gray Sandy Shale
122	132	Gray Shale
132	139	Gray Sand Stone
139	141	Hard Rib
141	170	Gray Sand Stone

File No. _____

T 32^N R 14^E
County Hill

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

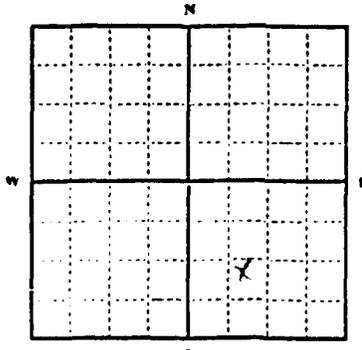
RECEIVED
DEC 27 1963

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. William Gilend, of Box 734 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:



SE 1/4 = Sec. 3 T. 32 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 household and stock watering

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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 not used for irrigation

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater approx. 1946 - used continuously since

8. The depth of water table 135 feet first vein; 180 feet second vein

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 four inch casing; 1 1/2 pipe; drilled 210 feet deep

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

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

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

Signature of Owner William Gilend

Date 20 December 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.

356696

WILLIAM GILRAD

TO

THE PUBLIC

DECLARATION OF VESTED GROUND
WATER RIGHTS

STATE OF MONTANA)
COUNTY OF HILL) ss.
Filed at 4 o'clock P.m.

ON DEC 20 1963

R. E. Blom

COUNTY CLERK

DEPUTY

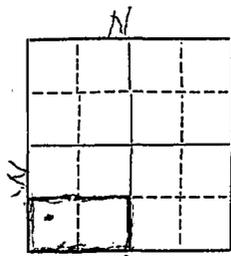
Fee: \$2.00 pd.

RECEIVED

T. 32 N R. 14 E
County Hill

MONTANA BUREAU OF MINES AND GEOLOGY
STATE ENGINEER Butte, Montana

WATER WELL LOG



Owner Walter Sherle Address 901-2 ave
Driller R. J. Mc Cutchon Address Hill
Date Started _____ Date Completed _____
Location: Sec. 4 T. 32 R. 14 1/4 sec. S 1/2 - SW 1/4

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

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

Casing: _____ ft. to 21.5 ft. Type 6 3/4" casing Size 4 1/2" O.D.
Casing: _____ ft. to _____ ft. Type _____ Size _____
Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. 1.5 to ft. 21.5 Ft. _____ to ft. _____

Type of screen or perforations 5 slot screen

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

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

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

How tested: 3 min 3 min 8-9 P.M. to bottom hole

Length of test 3 hr.

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	10	Surface till
10	14	Cobbles gravel clay
14	52	Yellow shale
52	62	Blue shale
62	80	Gray sandy shale
80	93	Blue Gray shale
93	101	Gray sandy shale
101	103	Hard pit or shell
103	115	Tough Gray shale
115	119	Brown Gray shale
119	135	Gray sandy shale
135	136	Hard pit or shell
136	148	Gray sandy shale
148	162	Blue Gray shale
162	189	Gray shale
189	195	Gray sandstone
195	196	Hard pit or shell
196	215	Gray sandstone
		P. J. McCutcheon
		State Reg. Driller # 13

Water

DOCUMENT N O. 364921

WALTER SHEBLE

TO

THE PUBLIC

WATER WELL LOG

STATE OF MONTANA,
COUNTY OF HILL.

Filed April 23rd 19 58

at 2:20 o'clock P. M.

C. C. YEON

COUNTY CLERK

DEBIT

62	50	Fine sandy shale
50	93	Blue gray shale
93	101	Fine sandy shale
101	103	Hard Bit or shell
103	115	Tough gray shale
115	119	Brown gray shale
119	135	Fine sandy shale
135	136	Hard Bit or shell
136	148	Fine sandy shale
148	162	Blue gray shale

STATE WATER CONSERVATION BOARD

File No.

T. 32 N R. 14 East

AUG 29 1966

DUPLICATE

County Hill

Billie _____ McDermott _____
Butzerin _____ McNulty _____
Coffey _____ Morton _____
Darinton _____ Sullivan _____
Dickert _____

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

(Under Chapter 237, Montana Session Laws, 1961)

- 0 - 3 Surface Soil
- 3 - 15 Yellow Rocks & Clay
- 15 - 25 Yellow Sandy Clay
- 25 - 40 Yellow Clay
- 40 - 60 Blue Clay
- 60 - 62 Lime Shell
- 62 - 70 Gray Clay
- 70 - 74 Brown Clay
- 74 - 92 Blue Sandy Clay
- 92 -100 Blue Clay & Sand
- 100-105 Gray Clay

Owner Francis Sande Address Havre, Montana

Driller Orville T. Jacobson Address Kremlin, Montana

Date of Notice of Appropriation of Groundwater 6/3/66

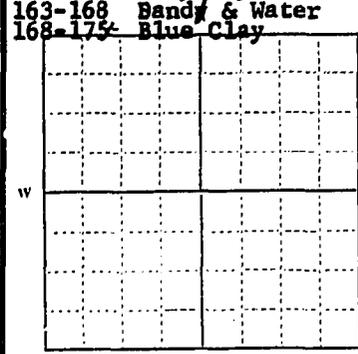
Date well started 6/3/66 Date Completed 6/10/66

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Interval	Description	Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
						Kind Size	From (Feet)	To (Feet)
105-110	Blue Clay, Gray Clay & Sand	8 1/2-in.	6-58 in. O.D. 12 Lbs. per Ft. Steel Casing	Surface	174	Slot	140	174
110-120	Blue Clay							
120-125	Gray Sand & Silt							
125-127	Hard Sandy Shell							
127-163	Gray Dry Sand							
163-168	Sandy & Water							
168-174	Blue Clay							



S 1/4 NW 1/4 Sec. 5 T. 32N R. 14E.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 139 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 168 feet at 4 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailer Length of Test 3 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)

42
Driller's License Number
Orville Jacobson
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.

41, 343

FRANCIS SANDE

TO

THE PUBLIC

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

STATE OF MONTANA,¹⁹³⁶
COUNTY OF HILL
Filed at 11:30 o'clock P.M.

BY

AUG 23 1936
[Signature]

COUNTY CLERK

Fee: 2.00 pl

GW
File No. _____
DUPLICATE

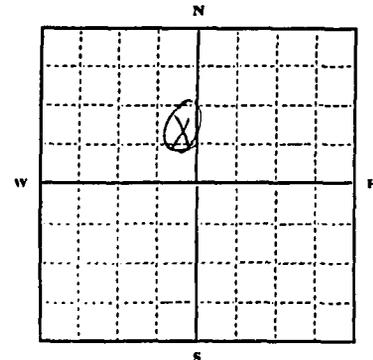
RECEIVED
FEB 13 1964
T 52 N 14 E
County Hill

STATE ENGINEER
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. VERNON J. SOHM, of H. B. EMLIN
(Name of Appropriator) (Address)
County of Hill State of Mont.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.W. 1/4 Sec. 18 T. 33 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 General farm use
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 1, 1955
Uninterrupted
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3.0 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
Not applicable
- 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 Unknown (approximately Aug. 1954)
- 8. The depth of water table 70' 8.0' (estimate)
- 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
Launch Casing 1.0' 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 Unknown
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
None

Signature of Owner Vernon J. Sohm
Date Dec. 23, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

39-77

WARRON J. GLEN

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA)
COUNTY OF HILL)

Filed at *McCortick Ave*

ON DEC 26 1962

W J Glen
COUNTY CLERK

By _____ DEPUTY

FEE: \$2.00 pd.

396785

VERNON J. COOK

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

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

ON DEC 26 1963

V. J. Cook
COUNTY CLERK

By _____ DEPUTY

FEES \$2.00 pd.

File No. _____

T 32 R 14 21

DUPLICATE

County _____

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

25 sandy brown clay
 29 gravel sand
 36 blue clay
 37 gravel and water

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 Steve Maxfield Address Havre Montana

Driller Simpson Drilling Co. Address Malta, Montan

Date of Notice of appropriation of ground water _____

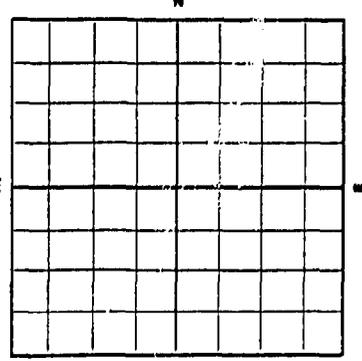
Date well started Sept 23 1962 Date Completed Sept. 23 1962

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 Casings	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 1/2	6" 13lbs	0	37			



1/4 Sec. 27 T. 22 R. 24
 Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing well _____
9 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 14 feet

at 15 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Baller

Length of Test 1 hour

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

Pushing
 Driller's Signature

37 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.

290814

STEVE MAXFIELD

to

THE PUBLIC

NOTICE OF COMPLETION OF
GROUNDWATER APPROPRIATION
BY MEANS OF WELL

STATE OF MONTANA, ss.
COUNTY OF HILL)
Filed at 2:35 o'clock P.M.

ON OCT 18 1962

G. C. Yeon

COUNTY CLERK

BY

DEPUTY

Fee: \$2.00 pd.

GW:

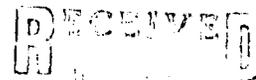
File No.

T. 32^N R. 14^E -29-

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



STATE ENGINEER
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1926

Owner Amos H. Palmer Address Kearney, Mont

Contractor (if any) this groundwater necessary

Address of Contractor at the site by Bill Pagel

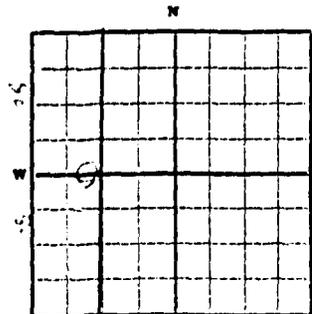
Date Started 1936 Date Completed 1936

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

was on the land when I acquired
land. I used it for stock watering.
Wald Buckle Hotel in the brush
every year.

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

2 months
watering cattle 1960-1961
Not used the water.



21 W. 5 N. 1/4 S. 11 Sec 29. T. 32. R. 14.
Indicate point of appropriation and place of use, if possible.

Signature of Owner Amos H. Palmer

Date Jan 17-1962

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 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.

DOCUMENT NO. 387164

ANNA H. PALMER

TO

THE PUBLIC

NOTICE OF COMPLETION OF
GROUNDWATER APPROPRIATION
WITHOUT WELL

STATE OF MONTANA)
COUNTY OF HILL) ss.
Filed at 3:20 o'clock P.m.

ON JAN 29 1962

G. C. YEON

COUNTY CLERK

By _____

DEPUTY

FEE \$2.00- paid

File No.

T. 32N R. 14E

DUPLICATE

County Hill

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

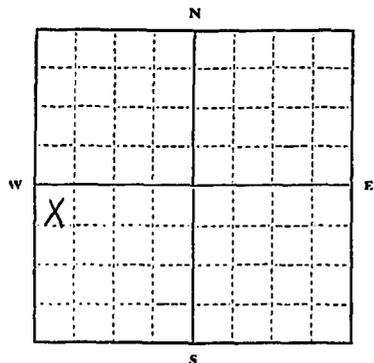
RECORDED
 JAN 13 1964
 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Clarence H. Purley, of Freemlin Montana
 (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. 30 T. 32 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... stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been... 1953 - Used continuously

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... I am not sure

8. The depth of water table... 150'

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 175 ft

10. The estimated amount of groundwater withdrawn each year... 750,000 gallons

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

Signature of Owner Clarence Purley

Date 12-19-63

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.

396882

CLARENCE G. PURSLEY

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA, ss.
COUNTY OF HILL)
Witness my hand and seal at _____ a.m.

1963
[Signature]
COUNTY CLERK

DEPUTY
FEE: \$2.00 pd.

File No. _____

DUPLICATE

T. 32 N R. 14 E S. 30
County Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
STATE ENGINEER

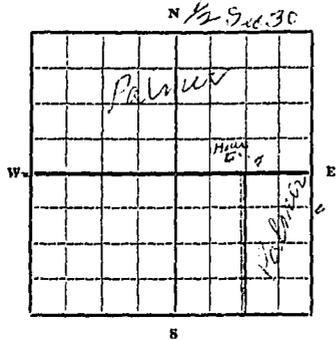
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Anna H. Palmer of Kennelin So. Rt.
(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 NW 1/4 NE Sec. 30 T. 32 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 House and chickens

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1928 this well was hand dug to 38 ft. into sand rock was used partly for stock till 1971

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 600 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 None

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal since 1960 by pressure system to house 700 ft. before that gas engine & pumps

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started and completed Oct. 1928

8. The depth of water table 38 ft

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

10. The estimated amount of groundwater withdrawn each year 7,200 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 Anna H. Palmer

Date Jan. 17 - 1962

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. 387163

ANNA H. PALMER

TO

THE PUBLIC

DECLARATION OF

VESTED GROUNDWATER RIGHTS

STATE OF MONTANA,) ss.
COUNTY OF HILL)

Filed at 2:40 o'clock P.M.

ON JAN 29 1962

G.C. Yeon

COUNTY CLERK

By _____ DEPUTY

Fee \$2.00- paid

File No.

T. 32^N R. 14^E 30
County Hill

DUPLICATE

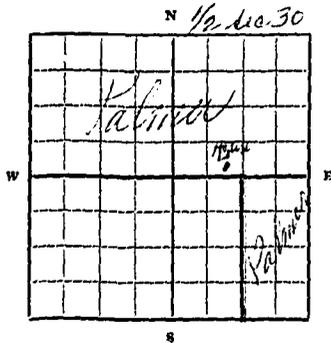
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

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

STATE ENGINEER

Casimir H. Palmer of *Kennelin SoPT*
(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. 30 T. 32 N. R. 14 E.

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 *Stock Cattle feed, watering lawns and gardens*
- Date or approximate date of earliest beneficial use; and how continuous the use has been *1941. Has been used continuously ever since*
- The amount of groundwater claimed (in miner's inches or gallons per minute) *4 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 *small garden and lawns*
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal *Electric Motor Pump & Jack*
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
- The depth of water table *184 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 *drilled, size 2 inch casing, 27 1/2 inch diameter, eighty four ft. deep*
- The estimated amount of groundwater withdrawn each year *15,000 gal. more or less*
- The log of formations encountered in the drilling of each well if available
- Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner *Casimir H. Palmer*
Date *Jan 17th - 1962*

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. 387162

ANNA H. PALMER

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA,) ss.
COUNTY OF HILL)
Filed at 2:40 clock P.m.

ON JAN 29 1962

G.C. YEON COUNTY CLERK

By _____ DEPUTY

FEE \$2.00- paid

File No. _____

T 32 N R 14 E.M.M.

DUPLICATE

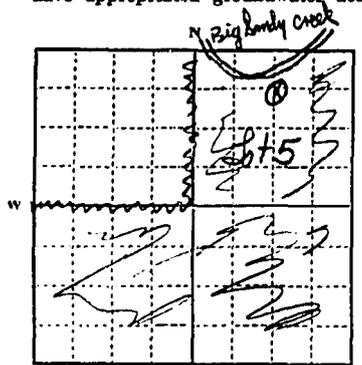
County Hill

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 Laws, 1961)

1. Byron E. Yates, of Box 357 Malta
(Name of Appropriator) (Address) (Town)
County of Phillips State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 SE (Lot 5) Sec 34 T 32 R 14 E.M.M.

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---Stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been May, 1959 -- continuous up to April 1962---intervals now
4. The amount of groundwater claimed (in miner's inches or gallons per minute) (15) Fifteen 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 Deepwell pressure pump in basement of house---Well (10) ten feet from house
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater May, 1959
8. The depth of water table 120 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 120 feet, water rises to within 55 feet of ground level---6 inch well casing---water with fine sand hit at 87 feet, bypassed and went down the 120 feet.
10. The estimated amount of groundwater withdrawn each year Unknown
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 Not Applicable

Signature of Owner Byron E. Yates
Date December 20, 1963

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

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

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

396701

BYRON F. YATES

TO

THE PUBLIC

DECLARATION OF VESTED GROUND
WATER RIGHTS

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

ON 12 20 1963

R. E. Blom

COUNTY CLERK

SEAL

Fee: \$2.00 pd.

35

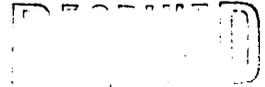
File No.

T. 32 N R 14 E

DUPLICATE

County HILL

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

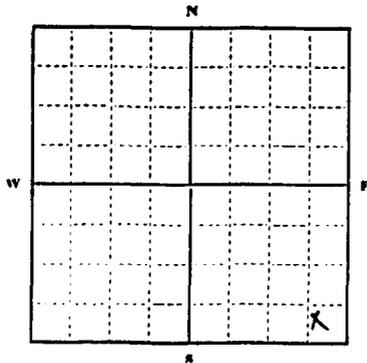


Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Robert G. Hockett, of 833 13th 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:



8 1/4 Sec. 35 T. 32 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 household and livestock
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been continuous use since 1924
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 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 well using jet pump

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1924
- 8. The depth of water table 45 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 inch casing 110 feet
- 10. The estimated amount of groundwater withdrawn each year 120,000 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 none

Signature of Owner Robert G. Hockett
Date Dec 24, 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.

3097'

396875

ROBERT G. HOCKETT

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF ILLINOIS
DEPARTMENT OF REVENUE
JAN 11 1982

[Handwritten signature]

FEE: \$2.00 pd.