

County Will Twp. 32 N Rge. 15 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
2	Ronald Harmon	GW2	425355	
2	Paul J. Kahn	GW2	426201	
2	V. Manner	GW2	427405	
2	Ralph & Jacqueline Cook	GW2	427135	
3	Wm. & Florence Hinkle	GW2	412871	
4	Leslie L. Harn	GW2	421277	
4	John W. Beck	GW4	397117	
5	Charles W. McKee	1957	—	
5	Danrell H. Harn	GW2	419984	
5	Mr. Dennis W. Johnson	GW2	419929	
5	David L. Vasseur	GW2	428233	
5	John W. Beck	GW4	397118	
6	Strammitt Corp.	1957	—	
7	Ben Mueller	1961	394122	
8	Wm. Kiemle	1958	—	
8	A. J. Jauls	GW4	397230	
8	Summit Memorial Gardens	GW4	389127	
8	J. W. McCormick	GW2	403145	
9	James A. Pearce	1958	—	
9	Douglas B. Remington	1959	373383	
9	Halmer C. Lila B. Olson	1959	372295	
9	William Fitzgerald	1958	—	
9	Vance Murphy	GW4	381634	
9	Vance Murphy	GW4	386833	
9	Willard R. Kuckhuck	GW4	396548	
9	Chauncey & Helen H. Harn	GW2	423942	
9	Logan H. & Helen I. Nibbles	GW2	421276	
9	Donald Chute	GW4	390773	
9	Dagda & Katherine Clark	GW2	423759	
9	Charles J. Collier	GW4	391551	
9	James W. Cole	GW2	426646	
9	Wm. D. & Alice C. Hairs	GW4	396502	
9	Donald Rustic	GW2	414331	
9	John M. Grant	GW4	396429	
9	Fred Harshaw	GW2	412868	
9	Evellette Swisher	GW2	411538	
10	Harris Lodge No. 1201, BPOE	GW4	397208	
10	Harris Lodge No. 1201, BPOE	GW4	397209	
10	Harris Lodge No. 1201, BPOE	GW4	397210	
10	Harris Lodge County Airport Board	GW4	397257	
10	Thomas Crocker	GW2	397485	
10	Pearl Metzger	GW2	397020	
10	Scott L. Lube	GW4	396870	
10	Scott Lube	Release Agreement	—	
10	George Majerus	GW2	427164	
10	Dr. R. C. Haller D. D. L.	GW4	394392	

Twp. 32 N Rge. 15 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
12	James Brunley	GW2	412096	
12	Julius Van Dessel	GW4	397187	
12	Donald Keith Beatty	GW4	396907	
12	Opal F. Hicks	GW4	396710	
12	Maurice Klabunde	GW2	419809	
12	Waldo R & Hilda Haldeman	GW2	411218	
12	Carl Frobert	GW4	396527	
12	Carl Frobert	GW4	391046	
12	Henry Fairbank	GW4	396738	
12	Carl Eckeland	GW4	396835	
12	Ray A. Berger	GW4	396167	
12	Thomas A. Hummer	GW4	395563	
13	Howard K. Sternath	GW4	396575	
13	Hordeon C. Sands	GW4	397000	
14	Hordeon C. Sands	GW4	396998	
14	Jack R. Sternath	GW2	388620	
14	Hordeon Sands	1960	368052	
16	Martin Ruff	1961	384955	
17	Hordeon C. Sands	GW4	396999	
19	Eugene L. & Ethel A. Boast	GW2	427098	
21	Howard Sternath	1960	379311	
21	Dale C. Hamilton	GW4	396988	
21	Hyalmus B. Jenson	GW4	394732	
21	Ed Phillips	GW4	397155	
21	Louise W. Jenson	GW4	396559	
21	Robert & Rebecca Cherry	GW4	397172	
21	Clarence Chamberlain	GW4	394350	
21	Wm & Joyce Chagnon	GW4	396821	
21	Wm F. Frank	GW4	396789	
23	Hellon Bacon	1961	386331	
23	Leo Blain	1958	365233	
23	Leo Blain	GW4	396744	
23	H. L. Clark	GW4	396976	
23	H. L. Clark	GW4	396929	
24	Margaret Emma Clark Burns	GW4	397213	
25	Walter Alvin	1961	396509	
25	Paul O. Kuhn	GW4	396841	
27	North Mt. Branch Station	GW2	398470	
27	North Mt. Branch Station	GW2	398471	
27	John Cabard	GW4	396501	
28	North Mt. Branch Station	GW2	428338	
28	Box F. Thill	GW4	397153	
28	Adolph Harding	GW2	422195	
28	Lloyd Randolph	GW2	389927	
28	L. E. Waldman	GW3	396668	
28	North Mt. Branch Station	GW2	396661	

Page 2 of 2

Twp. 32/7

Rge. 15 E

[illegible]

32N-15E
County HILL

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

AUG 4 1972

DRILLER'S LOG

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner **MR RONALD EARNIN**

Address 2 MILES WEST HAVRE, MONTANA

For Administrator's Use

FA 495255

August 2, 1922 9:30 a.m.

Date well started 7/ 18/1972

GW 1

completed 7/23/1972

Type of welldrilled

.....
(Dug, driven, bored or drilled)

Equipment used cable tools

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☒* Garden/Lawn ☐

*Describe **Cycle shop**

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

ESTIMATED ANNUAL WITHDRAWAL 250.000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 3/4	250 6 5/8	182.8	121			

Static water level35.....ft.*
Pumping water level38.....ft.*
at12.....gallons per minute,
measuredminutes after pumping
began.

*Measured from ground level.

Well developed by
forhou

Power...230..... Pump...1/3..... HP

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

SE 1/4 SW 1/4 Sec 2

T. 32 (N) R. 15

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

Driller's Signature _____

Driller's Address 1609 maple Drive, Havre, Montana

LICENSE NO. 15

Top of Ground

(Elev. above sea level)

[illegible]

12 Show exact depth of bottom

5,089

425255

Ronald Harmon

to

THE PUBLIC

WATER WELL

STATE OF MONTANA) ss.
COUNTY OF HILL)
Filed at 9:30 o'clock A M

AUG 2 1972

R. E. Blom

COUNTY CLERK

By Charles J. Jones
DEPUTY

Fee: \$2.00 pd.

INDEXED

426201

AUL J. KUHR

TO

THE PUBLIC

WATER WELL

STATE OF MONTANA)
COUNTY OF HILL) ss.
Filed at 11:15'clock A.M.

NOV 2 1972

R. E. Blom
COUNTY CLERK
Paul E. May
DEPUTY

Fee:\$2.00 pd.

INDEXED

File No. _____

T 324 R 15E 2

QUADRUPLICATE

County Hill

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

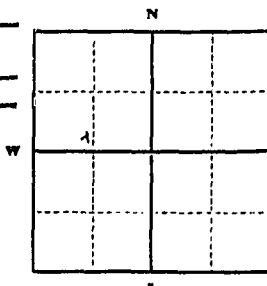
Top of Ground
(Elev. above sea level.....)
0
-25 brown clay
25
-90 bentonite
105 rock and gravel (2 G P Min)
150 blue gray shale
195 gray shale
205 rock with water (8 GP Min.)

Owner v Mooney Address Havre
Driller Ernest C Lee Address Havre
Date of Notice of appropriation of groundwater.....
ay 15 June 5 1966
Date well started..... Date completed.....
Type of well..... Drilled 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)
8"	6" I D	0	205	1 1/4 x 4	90 185	110 205

Doc. No. 424/05
Filed for record
this 29th day of March
A. D. 19 72, at 3:50
o'clock P.M.



Static Water Level for non-flowing well
85 feet.

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

Pumping Water Level..... 195 feet

at gal. per minute.

Discharge in gal. per min. of flowing well

pump

How Tested.....

Length of Test..... 10 hrs.

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

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

this will be used to irrigate 8 acres

Show exact depth of bottom.

205

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.

Montana # 21

Driller's License Number

Ernest C Lee
Driller's Signature

59/124

2

V. MOONEY

TO
THE PUBLIC

STATE OF MONTANA,
COUNTY OF HILL) P
3:50

MAR 29 1972
R. E. Blom

COUNTY CLERK

Robert E. Blom
DEPUTY

Fee: \$2.00 pd.

INDEXED

8"	6" I D	0	205	1 1/4 x 4	90 185	110 205
Static Water Level for 85						feet

Water Resources Division
Engineering Bureau
Groundwater Section
Sam W. Mitchell Building
Helena, Montana 59601

Location T. R. Sec.
Doc. No.

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

Special Instructions:

Please provide the county document filing number for the enclosed groundwater appropriation form made by V. Mooney on March 29, 1972 at 3:50 P.M.

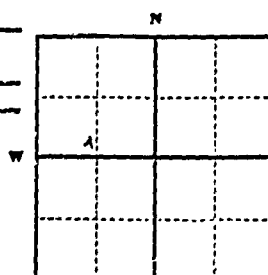
Thank you.

Static Water Level for non-flowing well
85 feet.

STRATA AND HEIGHT TO WHICH THE WATER RISES IN THIS WELL.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	6" I D	0	205	1 1/4 x 4	90 185	110 205

424705
29th March
72 3:50
P.M.



Static Water Level for non-flowing well
85 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 195 feet

at gal. per minute.

Discharge in gal. per min. of flowing well

pump

How Tested

Length of Test 10 hrs.

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

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

this will be used to irrigate 8 acres

Show exact depth of bottom.

205

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.

9.

Montana # 21

Driller's License Number

Driller's Signature

50,124

File No. _____

QUADRUPLICATE

LOG

MONTANA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RESOURCESCounty HillSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERNotice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

y Mooney

Havre

Owner

Address

Ernest O Lee

Havre

Driller

Address

Date of Notice of appropriation of groundwater

ay 15

June 5 1966

Date well started

Date completed

Type of well

Drilled

Equipment used

Churn

(Dug, Driven, bored or drilled)

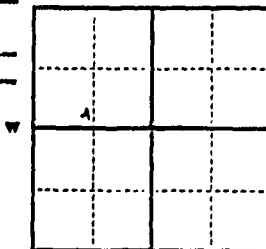
(Churn drill, rotary or other)

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		
				From (Feet)	To (Feet)	
8"	6" I D	0	205	1 1/4 x 4	90	110
					185	205

Date 29th March 1966Time 7:50
P.Static Water Level for non-flowing well 89 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 195 feet

at _____ gal. per minute.

Discharge in gal. per min. of flowing well _____

pump _____

How Tested _____

Length of Test 10 hrs.

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

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

this will be used to irrigate 8 acres

Show exact depth of bottom.

205

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.

(2)

Montana # 21

Driller's License Number

Driller's Signature

59,124

er

1966

ation ☐

rent strata
etc. Show
ter-bearing

To
(Foot)

110
205

owing well
feet.

11
5 feet

te.
owing well

nting, pack-

reverse side)
xplain, state
k and Addi-

4

V. MOONEY

TO
THE PUBLIC

OF MONTANA,
ITY OF HILL
3:50 P. M.

MAR 2 9 1972
R. E. Blom

COUNTY CLERK
R. E. Blom
DEPUTY

Fee: \$2.00 pd.

INDEXED

Shot in Pressure for Flowing Well	feet.
Pumping Water Level 195	feet
at _____ gal. per minute.	
Discharge in gal. per min. of flowing well	
Flow Tested _____ pump _____	
Length of Test _____ 10 hrs.	
Remarks: (Gravel packing, cementing, pack- ing, type of slotted?)	
(Continued on reverse side)	
Special, drainage or other. Explain, state or other data (La. Log, Block and Addi- tion, Irrigate 8 acres)	

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner RALPH & JACQUELINE COOK
Address Box 532
HAURE, MONTANA
Date well started MARCH 24, 1972
completed APRIL 12, 1972

For Administrator's Use
File 422135
Feb. 14, 1973
GW 1 10:45 A.M. 12:11

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

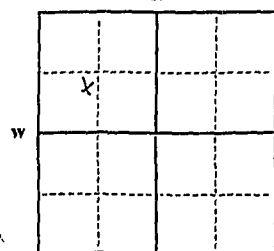
Equipment used CABLE TOOL RIG
(Cable drill, rotary or other)

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

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

ESTIMATED ANNUAL WITHDRAWAL EXCEEDING 380,000 GALLONS

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
<u>9 1/4"</u>	<u>6 5/8" O.D. (2800 LBS) STEEL</u>	<u>1 1/2 FEET ABOVE GROUND LEVEL</u>	<u>7 FEET</u>	Kind Size From (Feet) To (Feet)
	<u>5 1/2" O.D. PIC 160#</u>	<u>6 1/2</u>	<u>94</u>	<u>5 1/32" 96 227</u>
	<u>5 1/2" O.D. PIC 200#</u>	<u>94</u>	<u>232</u>	<u>DRILLED</u>



S 1/2 Sec. 2
T. 32 N. R. 15 E.

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

Driller's Signature Herbert J. Gravel H. LINE DRILLING SERVICE

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

HAURE, MONTANA 59501 LICENSE NO. 46

County HILL 2

DRILLER'S LOG

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

From (Feet)	To (Feet)	(Elev. above sea level)
0 to 2	GRAVELLY SOIL	
4	GRAVELLY GREY CLAY	
23	YELLOWISH GREY SHALE	
25	JUDITH RIVER FORMATION	
25	BROWN SHALE	
60	GREY & BROWN SHALES	
62 1/2	SANDY SHALE - TRACE OF WATER	
68	GREY SHALE	
73	SANDY SANDSTONE - WATER	
	BLACKISH SANDY & HIGH IN SULFATE, IRON AND HARDNESS OF 22 GRAINE	
96	SANDY LT. BROWN SHALES & GREY TO SANDY GREY SHALES	
98	SANDY GREY SHALE - SMALL INCREASE IN WATER	
115	PREDOMINATELY SANDY BROWN & BLUE GREY SHALES	
117	SHALEY GREY SANDSTONE - DRY	
120	FIRM GREY SHALE	
124	SANDY GREY SHALE	
130	SHALEY GREY SANDSTONE - WATER APPROX 1/2 TO 3/4 GPM	
144	BLUE GREY SHALE	
147	SANDY GREY SHALE	
159	GREY SANDSTONE - WATER 1/2 GPM	
169	FIRM BLUE GREY SHALE	
172	FIRM SANDY LT. BROWN SHALE - SHADED TOY SHALE	
181	FIRM BLUE GREY SHALE	
194	SHALEY GREY SANDSTONE - WATER LESS THAN 1/2 GPM	
196	GREY SHALE	
197	BROWN SHALE	
207	FIRM SANDY BLUE GREY SHALE	
209	LT. GREY SILTSTONE	
212	LT. BROWN SHALE	
216	BROWN SHALE	
220	SANDY BROWN SHALE	
222	HARD SANDSTONE SHELL	
230	SHALEY GREY SANDSTONE - WATER APPROX 1/2 GPM	
232	BLUE GREY SHALE	
	WATER YIELD INCREASED AFTER HOLE REAMED TO 9 1/4"	
	NOTES WATER YIELD DECREASES TO LESS THAN 3 GPM AFTER 4 TO 5 HOURS OF CONTINUOUS PUMPING	
	HOLE REAMED TO 9 1/4" DIAMETER TO 232 FOOT LEVEL, CASING INSTALLED & WELL GRAVEL PACKED FROM BOTTOM BACK TO 81 FOOT LEVEL, CRUSHED GRAVEL ABOVE GRAVEL PACK TO 80 FT. CEMENT GROUT PLACED FROM 80 FT. BACK TO 55 FT. LEVEL TO SEAL OFF HIGH SULFATE VEINS AT 60-62 1/2 FT.	
	4 LB. 75 FT. DRILLING MUD INSTALLED FROM 55 FT. BACK TO 8 FOOT LEVEL. CEMENT PLACED AROUND 5 1/2" O.D. PIC CASING AND 6 5/8" O.D. CASING AT OVERLAP TO SEAL JOINT. FILL DIRT FROM 6 FT. BACK TO SURFACE	

232 Show exact depth of bottom

52, 413

427135

RALPH COOK & JACQUELINE COOK

TO

THE PUBLIC

WATER WELL

STATE OF MONTANA } SS
COUNTY OF HILL }
Filed at 10:45 o'clock A M

ON FEB 14 1973

R. E. Blom

COUNTY CLERK

BY Dante E. May DEPUTY

Fee: \$2.00 pd.

INDEXED

File No. _____

DUPLICATE

T. 32 N R 15 E 3County HILL

LOG

MONTANA WATER RESOURCES BOARD

STATE OF MONTANA

RECEIVED

ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

FEB 6 1968

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

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

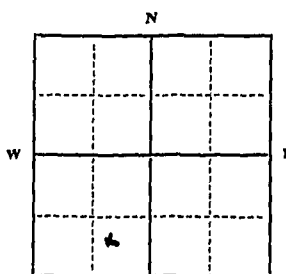
Owner WILLIAM + FLORENCE HINKLE Address AT 36 HAURE, MONT.Driller HI-LINE DRILLING SERVICE Address HAURE, MONTANA

Date of Notice of appropriation of groundwater _____

Date well started MAY 20, 1968 Date completed MAY 24, 1968Type of well DRILLED Equipment used CABLE TOOL RIG
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☒ TRAILER COURT

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 5/8"	6 7/8" O.D. 18" PER FOOT	2 FEET ABOVE GROUND LEVEL	121	NO PERFORATIONS WATER COMING IN THRU BOTTOM + DRAIN SHOE AT 121 FT. LEVEL		



Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well NOT APPL.Pumping Water Level 40 feet
at 20 gal. per minute.Discharge in gal. per min. of flowing well NOT APPLICABLEHow Tested BALER + TEST PUMPLength of Test 10 HOURS

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

1/4 Sec. 3 T. 32 N R 15 E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

46

Driller's License Number

Herbert Greier

Driller's Signature.

44, 978

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.

Top of Ground
(Elev. above sea level _____)

0 TO
2 SOIL
8 BROWN SANDY LOAM
10 SANDY BROWN CLAY
12 BROWN SILT + SAND
15 BROWN CLAY
19 BROWN SAND + SILT -
WATER (CASED OFF)
24 BROWN CLAY
36 GREY CLAY
38 GREY SAND - TRACE OF
GRAVEL - WATER -
(CASED OFF)
41 BLUE CLAY
44 GREY CLAY
50 GRAVELLY GREY CLAY
52 BROWN CLAY
55 SILTY GREY CLAY
60 GRAVELLY GREY CLAY
62 SAND + SILT - SOME WATER
74 GREY CLAY
77 GREY SILT
91 GRAVELLY GREY CLAY
94 GREY SAND - SOME WATER
(CASED OFF)
104 GRAVELLY GREY CLAY
106 GREY SILT
108 GREY SAND
118 1/2 GRAVELLY GREY CLAY
121 SAND + GRAVEL
WATER - EXCEEDING
30 BPM BALING
FROM 50 FEET
BELOW GROUND
LEVEL
121

Show exact depth of bottom.

412871

WILLIAM AND FLORENCE HINKLE

TO

THE PUBLIC

NOTICE OF COMPLETION OF
GROUNDWATER APPROPRIATION

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

FEB 4 1969

R. E. BLOM

COUNTY CLERK

DEPUTY

fee: \$2.00 paid

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
MONTANA WATER RESOURCES BOARD

County Hill

DRILLER'S LOG

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Loren L. Starr

Address 1160 Boulevard Ave.

Havre, Montana

Date well started 5/24/71

completed 5/27/71

For Administrator's Use

File 421277
June 3, 1971
2:45 PM

GW 1

Type of well Drilled

(Dug, driven, bored or drilled)

Equipment used Cable Tool Rig

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

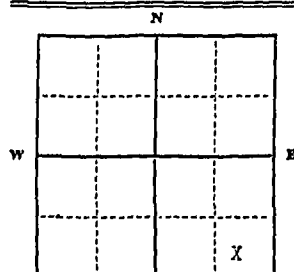
Industrial ☐ Drainage ☐ Other ☐ * Garden/Lawn ☒

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL One million and one half

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
12"		0	20	
6 5/8"	6 5/8" OD 1 foot 17 1/2 per foot Above ground level .219 wall		119	No perforations. Water coming in thru bottom of drive shoe at 119 ft. level.



1st Addition to Hinkle

Sub-division - Lot 2

Sec. 4
T. 32 N. R. 15 S.

Static water level 36.5 ft.*
Pumping water level 42 ft.*
at 16 gallons per minute,
measured 300 minutes after pumping
began.

*Measured from ground level.

Well developed by Water & Pump
for 8 hours.

Power Generator pump 3/4 HP

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

reamed to 12" diameter to 20

ft. Upon completion of well.

Cement grout & filled rest of

way back to surface with

drilling mud.

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

Driller's Signature Hill-Line Drilling Service

Driller's Address 1173 6th Street North

Havre, Montana

LICENSE NO. 46

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

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
0	3	Soil
	14	Gravelly brown clay
	17	Sandy brown clay
	27	Brown clay-boulders
	34	Brown silt & sand
		bits of coal-water
	35	Brown sand-some gravel
		water-very dirty-
		ceased off
	40	Gravelly grey clay
	44	Sandy grey clay
	60	Gravelly grey clay
	62	Runny grey sand
	65	Silty grey clay
	72	Gravelly grey clay
	73	Grey sand-some sharp
		gravel-trace of water
	86	Gravelly grey clay
	88	Sandy grey clay
	113	Grey clay-pebbles
	117 1/2	Gravelly grey clay
	118 1/2	Sand-some gravel-water-
		exceeding 10 GPM
	119	Sand & gravel (small to
		2" diameter) water-
		exceeding 20 GPM by
		baler test with 10
		feet of draw down.

119 Show exact depth of bottom

48567

421277

LOREN L. STARR

TO

THE PUBLIC

NOTICE OF COMPLETION OF
GROUNDWATER APPROPRIATION

STATE OF MONTANA)
COUNTY OF HILL) ss.
Filed at 2:45 o'clock) P m.

JUN 3 1971
R. E. BLOM
COUNTY CLERK

By _____
DEPUTY

fee: \$2.00 paid

GW 4

FILE NO. _____

TWP

COUNTY

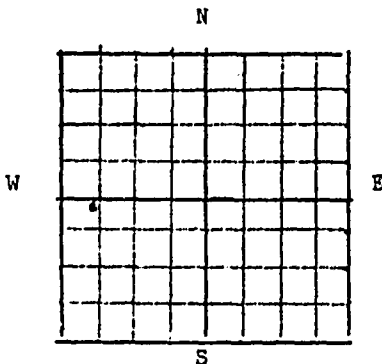
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

TWP 32 N RCE 15 E
COUNTY HILL

JAN 1 1963

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

1. John H. Buck, of Box 311 Haure
(Name of Appropriator) (Address) (Town)
County of Hill, State of Montana
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



91W 1 SW Sec 4 T 32 R 15

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

2. The beneficial use on which the claim is based Livestock, Land, and Irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been May 3 - 1961
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 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 Haure, acc. 1.2 acre
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Jet Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater May 3 - 1961
8. The depth of water table 113 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 1 1/2" casing & 6" casing 113 ft
10. The estimated amount of groundwater withdrawn each year 130,000 gal
11. The log of formations encountered in the drilling of each well if available 9 ft
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 check with owner

Signature of Owner John H. BuckDate Dec 31 - 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.

31175

397117

JOHN W. BECK

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

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

ON DECEMBER 31-1963

COUNTY CLERK

DEPUTY

FEE: \$2.00 pd.

T. 32 N R. 15 E

County Hill

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

5-32-15

WATER WELL LOG

Owner Charles . McGee Box 1467 Address avre ontana

Driller R. M. Black Address Chinook Montana

Date Started May 14th 1957 Date Completed May 17th 1957

Location: Sec. 5 T. 32 R. 15 S.W.

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 134 ft. Type iron 20lb Size 7in.

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 130 to ft. 134 Ft. to ft.

Type of screen or perforations 1 drilled

Static Water level, for non-flowing well: 53 feet.

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

Pumping water level: 60 feet at 40gal gal. per min.

How tested: Drillers sand Bucket

Length of test: 2hr.

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

Jet pump 11 gal per Min. 20hr.

(over)

File No. _____

T 32N R 15E 5

DUPLICATE

County Hill

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARDNotice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962

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

Darrell Clem & Star Route 36

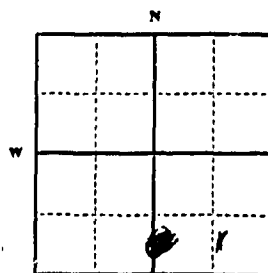
Owner Madeline Ann Landes Address HAYES, MontanaDriller Hi-Line Drilling Service Address HAYES, Montana

Date of Notice of appropriation of groundwater _____

Date well started September 15, 1970 Date completed September 22, 1970Type of well Drilled Equipment used Cable Tool Rig
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
12"		0	12			
6 5/8	6 5/8" OD 13#/Ft.	15 Ins. above ground level	130	No perforations—Water coming in thru bottom of drive shoe at 130 foot level.		

Static Water Level for non-flowing well 49 feet.Shut-in Pressure for Flowing Well Not appl.Pumping Water Level 51 feet
at 15 gal. per minute.Discharge in gal. per min. of flowing well
Not applicableHow Tested Submersible pumpLength of Test 18 hoursRemarks: (Gravel packing, cementing, packers, type of shutoff). Hole reamed to 12" diameter to 12 feet below ground level prior to installing permanent 6 5/8" casing. Upon completion ofwell, annular space around casing from 12 ft. back to 7 ft. cemented to prevent surface contamination (continue on reverse side)

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

Top of Ground

0 to (Elev. above sea level _____)

12 Gravelly brown clay

19 Yellowish-brown clay

22 Brown silt & sand (Dry)

37 Brown clay-small boulders

38 Brown sand (Dry)

61 Gravelly brownish-grey clay

64 Brown silt, sand & float coal. Water, approx. 2 GPM.

68 Sandy grey clay

70 Grey sand & float coal-Water, approx. 2 1/2 GPM.

78 Sandy grey clay

82 Silty grey clay

89 Sandy grey clay

90 Grey sand-trace of water

111 Grey clay & pebbles

115 Sandy grey clay

124 Gravelly grey clay

128 Sandy & silty grey clay

128 1/2 Grey sand-Some gravel-Water, approx. 10 GPM.

130 Grey sand & gravel-(Pea size to 1 1/4" diameter) Water exceeding 20 GPM. with 3 feet of draw down.

JAN 8 1971

Doc. No. 419984

Filed for record

this 5 day of January

A. D. 19 70 at 15 USE

of CLERK R. M.

130 Show exact depth of bottom.

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

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

46
Driller's License NumberRobert Grein
Driller's Signature.

417978

419984

DARRELL GLENN & MADELINE ANN
LANDES

TO

THE PUBLIC

NOTICE OF COMPLETION OF
GROUNDWATER APPROPRIATION

STATE OF MONTANA,
COUNTY OF HILL)
Filed at 2:45'clock P.m

ON JAN 7 1971

R. E. BLOM

COUNTY CLERK

By _____ DEPUTY

fee: \$2.00 paid

File No. _____

T. 32N R. 15E S. 5

DUPLICATE

County Hill

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

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

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

Owner Mrs. Dennis W. Johnson Star Route 36
Address Hayes, Montana

Driller Hi-Line Drilling Service Address Hayes, Montana

Date of Notice of appropriation of groundwater _____

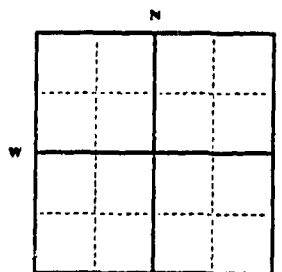
Date well started October 14, 1968 Date completed October 19, 1968

Type of well Drilled Equipment used Cable Tool Rig
(Dug, driven, bored or drilled) (Cable 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 (Foot)	To (Foot)	PERFORATIONS		
				Kind Size	From (Foot)	To (Foot)
6 5/8	6 5/8" OD. 135 lb.	1 1/2 ft. above ground level	126 1/2	No Perforations. Water coming in thru bottom of drive shoe at 126 1/2 foot level.		



Lot 3 of Block 2 of
Section 5 - Hill County

1/4 Sec. 5 T. 32N R. 15E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 39 feet.

Shut-in Pressure for Flowing Well Not appl.

Pumping Water Level 42 feet
at 18 gal. per minute.

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

How Tested Test pump

Length of Test 24 hours

Remarks: (Gravel packing, cementing, pack-
era, type of shutoff). Cement grout placed
around casing from 21 ft. back to
10 ft. level.

(Continue on reverse side)

Doc. No. 449929

Filed for record

this 4 day of JanuaryA. D. 19 78, at Hayeso'clock 2 M.

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).

126 1/2 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, the copy to be retained by driller.

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

Driller's License Number

Driller's Signature.

47967

419929

MRS. DENNIS JOHNSON

TO

THE PUBLIC

NOTICE OF COMPELTION OF
GROUNDWATER APPROPRIATION

STATE OF MONTANA, ss.
COUNTY OF HILL)
Filed at 10:00 clock a m

JAN 4 1971

R. E. BLOM
COUNTY CLERK

By _____ DEPUTY

fee: \$2.00 paid

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner DAVID L. VASSEUR

Address STAR RT 36

Box 59A HAURE, MONTANA

Date well started JUNE 4, 1973

completed JUNE 8, 1973

Type of well DRILLED

(Dug, driven, bored or drilled)

Equipment used CABLE TOOL RIG

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

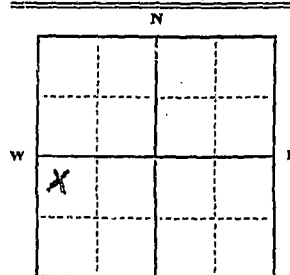
Industrial ☐ Drainage ☐ Other ☐ * Garden/Lawn ☒

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL EXCEEDING 500,000 GALLONS

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
12"		0	18	Kind Size From (Feet) To (Feet)
6 5/8"	6 5/8" O.D. (188 WLL) ABOVE 13" PER FOOT LEVEL	1 Foot	109 1/2	(NO PERFORATIONS) WATER COMING IN THRU BOTTOM OF DRIVE SHOE AT 109 1/2 FOOT LEVEL



NW 1/4 SW 1/4 Sec. 5
T. 32 S. R. 15 E.

Static water level 39 ft.*
Pumping water level 43 ft.*
at 70 gallons per minute,
measured 700 minutes after pumping began.

*Measured from ground level.
Well developed by BAKER & PUMP
for 10 hours.

Power ELECTRIC Pump 34 HP

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

TO 12" DIAMETER TO 18 FOOT LEVEL
UPON COMPLETION OF WELL, ANNUAL
SPACE BACK FILLED WITH
BENTONITE & DRILLING MUD.

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

Driller's Signature Robert Ziegen HI-LINE DRILLING SERVICE

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

HAURE, MONTANA 59501 LICENSE NO. 46

County HILL

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)	
From (Feet)	To (Feet)
0 TO 2	SANDY SOIL
26	SANDY & GRAVELLY BROWN CLAY
28	BROWN SAND
31	BROWN CLAY
43	GREY CLAY
47	BROWNISH-GREY CLAY
49	GREY SAND - SHOW OF WATER
58	SANDY GREY CLAY
60	GREY CLAY
64	SILTY GREY CLAY
71	SANDY GREY CLAY
75	GRAVELLY GREY CLAY
78	GREY CLAY
80	HARD BOULDER
86	GREY CLAY
105	SANDY GREY CLAY
106	SAND & GRAVEL - WATER
107 1/2	BROWN SAND - FLOAT COAL - SOME GRAVEL - WATER
109 1/2	GRAVEL (PEA SIZE TO 1 1/4" DIAMETER), SAND - WATER - EXCEEDING 30 GPM BY BAILEY TEST

109 1/2 Show exact depth of bottom

428233

DAVID L. VASSEUR

TO

THE PUBLIC

WATER WELL

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

ON JUN 18 1973

R. E. Bloom
COUNTY CLERK
BY Charles Somers
DEPUTY

Fee: \$2.00 pd.

INDEXED

GW-4

FILE NO. _____

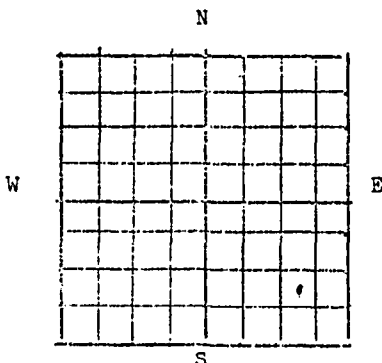
TWP 32 N RGE 15 E
COUNTY DEERSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 18 1964

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

STATE ENGINEER

1. John H. Burke, of Box 311
(Name of Appropriator) (Address)
County of Deer, State of Montana (Town)
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



SE 1/4 Sec 6 T.32 R.15

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

2. The beneficial use on which the claim is based Livestock feed & irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1946 Sunday
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 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 Garden Irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Jet Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Box 1946
8. The depth of water table 100 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 inch casing, 100 ft
10. The estimated amount of groundwater withdrawn each year 130,000 gals
11. The log of formations encountered in the drilling of each well if available no
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 no

Signature of Owner

Date

John H. BurkeDec 31 - 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.

31176

397118

JOHN W. BECK

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

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

ON Dec 31 1963

COUNTY CLERK

DEPUTY

FEE \$2.00 pd.

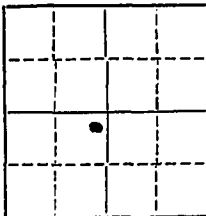
T 32 R 15 E

County DeWitt

6

STATE OF MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Summit Corp. Address Tdane

Driller P. J. Mc Cutcheon Address Tdane

Date Started Date Completed July 23, 1967

Location: Sec 6 T 32 R 15 E 1/4 sec NE 1/4 of SW 1/4

Type of well Drilled Equipment used Churn
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐Industrial ☒ Drainage ☐ Other:

Casing: 2' above ground ft. to 137.4 ft. Type Merchant size 6" O.D. 10.50#

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 136.2 to ft. 141 Ft. to ft.

Type of screen or perforations Johnson Suction Rod Brass Telescope 30.5 ft

Static Water level, for non-flowing well: 68 feet

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

Pumping water level 71 feet at 2.5 gal. per min.

How tested: Pump

Length of test 8 hrs.

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

(over)

[illegible]

7.7.77
Entschum
5 Tage
gezeichnet
Killer #1

T. 32 R. 15E 7
County Hill

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Ben Mueller Address Havre, Montana
Driller Lloyd G. Hanberg Address Box Elder, Montana
Date Started April 19, 1961 Date Completed April 25, 1961
Location: Sec. 7 T. 32 R. 15E $\frac{1}{4}$ sec. NE $\frac{1}{4}$ NE $\frac{1}{4}$

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

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

Casing: 0 ft. to 154 ft. Type screw & socket Size 6" J.J.

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

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

Perforated or Screened: Ft. none to ft. none Ft. none to ft. none

Type of screen or perforations slot perforations

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

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

Pumping water level 100 feet at 8 gal. per min.

How tested: bailer

Length of test approx. 6 hrs.

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

Mrs Ben Mueller owner

(over)

Log of Well

[illegible]

DOCUMENT NO. 384122

BEN MUELLER

TO

THE PUBLIC

WATER WELL LOG

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

JUN 15 1961
O.C. Yeon

COUNTY CLERK

By _____ DEPUTY

36	47	yellow clay
47	68	yellow clay, sandy, Judith
68	76	blue shale
76	96	blue shale, sandy
96	105	gray shale
105	121	gray shale, very sandy, water
121	131	gray shale, steep
131	147	gray sandstone
147	150	blue sandy shale
150	154	gray sandstone

RECEIVED
JUN 30 1958

T. 32N R. 16E 8

County Hill

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner William Kienale Address Havre, Mont.

Driller Lloyd G. Hanberg Address Box Elder, Mont.

Date Started April 2, 1958 Date Completed April 8, 1958

Location: Sec. 8 T. 32 N. R. 16E 1/4 sec. NE

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

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 142' 11" ft. Type screw and socket 2" O.D.

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. none to ft. none Ft. none to ft. none

Type of screen or perforations none

Static Water level, for non-flowing well: from surface--60 ft. feet

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

Pumping water level 65 feet at 35 gal. per min.

How tested: test pump

Length of test 4 hours

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

(over)

blue sandy shale

grey sandstone

147 150

150 154

Log of Well

William B. Fennell

File No.

T 32^N R 15^E

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

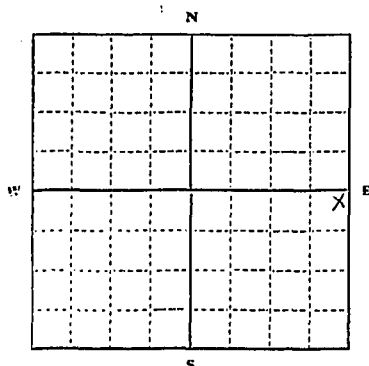
RECEIVED
JAN 18 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. A. J. SAULS, of Box 1001 HAVER
(Name of Appropriator) (Address) (Town)
County of HILL State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 1 T. 32 R. 15

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

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

HOME AND GARDEN

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

1955 - CONTINUOUS USE

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

20

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.....

CENTRIFUGAL PUMP - CENTER OF PROPERTY

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

DRILLED BY A MR. McCLATCHY (Now deceased) - Completed about 1955.

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

180 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.....

CASING WELL - 5 INCH - 130 Feet Deep

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

200,000

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

UNKNOWN

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

Unknown

Signature of Owner.....

A J Sauls

Date.....

12/30/63

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

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

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

31281

397230

A. J. SAULS

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA)
COUNTY OF HILL) ss.
Filed at 12:00 P.M.
ON 11-1-1963
18-Blair
COUNTY CLERK

PERMITS

FEE: \$2.00 pd.

GW-4
FILE NO. _____
DUPLICATE

TWP 32 RGE 15
COUNTY Hill

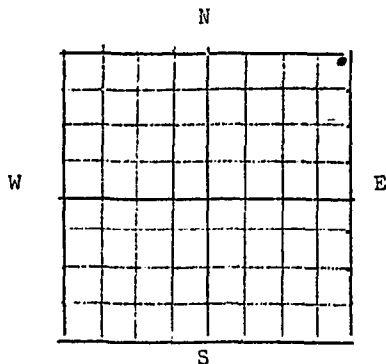
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

RECEIVED
JUN 20 1967

STATE ENGINEER

1. SUNSET MEMORIAL GARDENS, of HAVRE, MONTANA
(Name of Appropriator) (Address) (Town)
County of HILL, State of MONTANA
Have appropriated groundwater according to the Montana laws in effect prior to Jan.
1, 1962 as follows:



NE 1/4 Sec 8 T 32 R 15

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

2. The beneficial use on which the claim is based
irrigation of cemetery
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
August 1955
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
200 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
approx. 8 acres, SUNSET MEMORIAL GARDENS OF HAVRE, INC., HAVRE, MONTANA
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Turbine pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
July 1955
8. The depth of water table 37 ft. from the top of the casing, casing 25 ft. above ground.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 8 inch I. D. Casing Bottom of well 153 feet.
10. The estimated amount of groundwater withdrawn each year No meter, depend on weather.
11. The log of formations encountered in the drilling of each well if available
0' to 55' - yellow clay or till - 55' to 62' - 7' soft sandy till - 62' to 115', 53 feet soft blue clay - 113' to 153', 10 ft. sand gravel and 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

Date

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.

#389127

SUNSET MEMORIAL GARDENS

TO

THE PUBLIC

DECLARATION OF GROUND WATER RIGHTS
BY MEANS OF A WELL

STATE OF MONTANA, ss.
COUNTY OF HILL)
Filed at 1.05 o'clock P.m.

JUN 13 1962

G. C. Yeon COUNTY CLERK

By _____ DEPUTY

Fee \$2.00 pd

File No. _____

T 32^N R 15^E 8

DUPLICATE

County HILLSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 23 1965

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

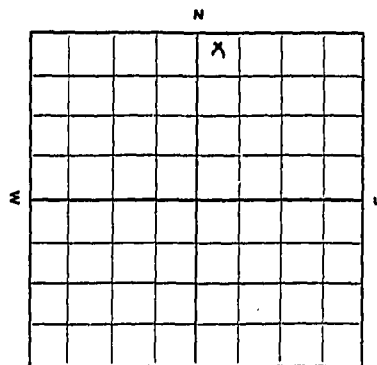
Owner J. W. MCCORMICK Address HAUTE, MONTANADriller SIMPSON DRILLING CO. Address MALTA, MONTANA

Date of Notice of appropriation of ground water _____

Date well started SEPT. 1 1964 Date Completed SEPT. 3 1964Type of well DRILLED Equipment used CABLE TOOLS
(dug, driven, bored or Churn, drill, rotary or
drilled) other)Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7	6 I D 19 LBS	0	97	XX	XX	XX



NE 1/4 Sec. 8 T. 32 R. 15
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing well
18 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 29 feetat 10 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested BATIERLength of Test 2 HOURS

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

15

Driller's License Number

Driller's Signature

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.

38916

DOC. NO. 402145

J. W. MC CORMICK

TO

THE PUBLIC

NOTICE OF COMPLETION OF
GROUNDWATER APPROPRIATION BY
MEANS OF WELL

STATE OF MONTANA
COUNTY OF HILL

Filed at 3:30 P.M.
ON JAN. 21, 1965

R. E. BLOM
County Clerk

RECEIVED

JUN 17 1958

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY

Butte, Montana

T. 32 N. R. 15 E. 9

County Hill

WATER WELL LOG

Owner James H. Pearson Address Box 450, Hill, Mont.

Driller Floyd G. Henning Address Box Elder, Mont.

Date Started June 5, 1958 Date Completed June 17, 1958

Location: Sec. 9 T. 32 N. R. 15 E. 1/4 sec. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24

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

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 15.7 ft. Type Well Size 12 in. O.D.

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

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

Type of screen or perforations

Static Water level, for non-flowing well: 60 ft. feet.

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

Pumping water level 65 ft. feet at 15 gal. per min.

How tested: Test - pump

Length of test: 1 hour

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

(over)

Log of Well

James A. Grace

T. 32 N R. 15 ECounty. Blaine

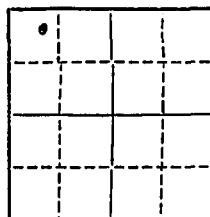
RECEIVED

JUN 11 1959

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG

Owner Douglas J. Remington Address Blaine, MontanaDriller Ed. Gabel Address Blaine, MontanaDate Started April 21, 1959 Date Completed April 25, 1959Location: Sec. 9 T. 32 N R. 15 E $\frac{1}{4}$ sec. N 1/2 NW 1/4Type of well Artesian

(Dug, driven, bored, or drilled)

Equipment used Churn drill

(Churn drill, rotary, other)

Water use: Domestic ☒Municipal ☐Stock ☐Irrigation ☐Industrial ☐Drainage ☐

Other: _____

Casing: 0 ft. to 150 ft. Type 10.50" galv. Size 5 1/2" O.D.

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

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

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

Type of screen or perforations _____

Static Water level, for non-flowing well: 40' from top feet.

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

Pumping water level 120 feet at 20+ gal. per min.How tested: StaticLength of test 60 minutes

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

(over)

Log of Well

[illegible]

DOUGLAS J. REMINGTON
TO
THE PUBLIC

STATE OF MONTANA }
COUNTY OF HILL }
Filed 21.2.00 o'clock 2-31

ON SEP 11 1959

G.C.YFCN

COUNTY CLERK

By

DEPUTY

Fee \$1.00 paid

RECEIVED

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 32N R. 13E

County

WATER WELL LOG

Owner: Melmer C. & Lila B. Akra Address Havre, Montana box 1031

Driller: Lloyd G. Hambar Address Box Elder Montana

Date Started April 17, 1959 Date Completed April 23, 1959

Location: Sec. 9 T. 32 R. 13E 1/4 sec.

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

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 6" Steel ft. to 150 ft. Type: steel Size: 6" O.D.

Casing: Steel ft. to ft. Type: Size:

Casing: ft. to ft. Type: Size:

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

Type of screen or perforations: none

Static Water level, for non-flowing well: 65 ft. from surface feet.

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

Pumping water level: feet at 44 gal. per min.

How tested: 10 min. test

Length of test:

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

Melmer C. Akra

(over)

Log of Well

[illegible]

WATER WELL LOG

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

ON JUN 29 1959

G.C.YEON

COUNTY CLERK

By

DEPUTY

45	gravelly clay
62	grey clay
85	quick sand
100X 88	grey sandy clay
97	sandy grey clay
114	sandy clay, gravel
142	sand
149	gravel, sand and water
149	gravel

RECEIVED
AUG 27 1958

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 32 N R. 15 E 9
County Hill

WATER WELL LOG

Owner William Fitzgerald Address Havre, Mont.
Driller Lloyd G. Hamberg Address Box Elder, Mont.
Date Started Aug. 9, 1958 Date Completed Aug. 14, 1958
Location: Sec. 9 T. 32 R. N 15 1/4 sec. Sohm sub-division Lot #4

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

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 162 ft. Type screw and socket Size 6" O.D.

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. none to ft. none Ft. none to ft. none

Type of screen or perforations none

Static Water level, for non-flowing well: from surface 65 ft. feet.

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

Pumping water level: 70 feet at 35 gal. per min.

How tested: pump

Length of test: six hours

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	1	top soil
1	6	sandy clay, yellow
6	18	gravelly clay, yellow
18	26	boulders, clay, yellow
26	48	sandy clay, yellow
48	62	gravelly clay, yellow
62	86	sandy clay, grey
86	97	runny sand, grey
97	112	sandy clay, grey
112	142	clay, very sandy, some gravel
142	145	sand
145	162	fine gravel and sand, water
	162	coarse gravel, well completed

File No.

DUPLICATE

T. 32N R. 15E

County. Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

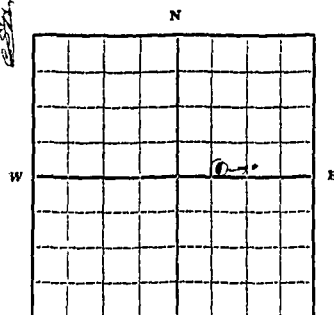
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Vance Murphy of 1202-2nd St. Laurel
(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:

Corrected Jan. 23, 1962, as per letter of S.C. Ryan Jan. 22, 1962.



SW 1/4 SE 1/4 NE 1/4

1/4 Sec. 9, T. 32 N. R. 15 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 Stockwater and irrigation

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 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 Stock and Garden

Vance Murphy

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

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

8. The depth of water table 4 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 4" casing, dug 14' deep

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

11. The log of formations encountered in the drilling of each well if available Clay 8'

gravel 6'

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 Vance Murphy

Date 1-2-62

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.

1024

DOCUMENT NO. 386834

VANCE MURPHY
TO
THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

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

ON JAN 2 1962

G.C. YEON

COUNTY CLERK

By _____ DEPUTY

FEE \$2.00- paid

File No.

DUPLICATE

T. 32 N. R. 15 E.

County. Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

Declaration of Vested Groundwater Rights

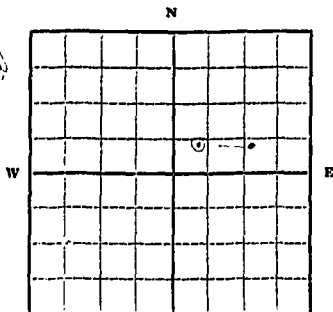
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Vance Murphy (Name of Appropriator) of 1202 2nd St. Nure. (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:

Corrected Jan. 23, 1962, as per letter of 6/6/62, Jan 23, 1962



SW 1/4 SE 1/4 NE 1/4

1/4 Sec. 9 T. 32 N. R. 15 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 Household use and garden irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 1, 1960

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 32 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 Household use and garden irrigation Vance Murphy

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 August 1, 1960

8. The depth of water table 7 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 4" casing 1 foot drilled well

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

11. The log of formations encountered in the drilling of each well if available Clay 40' Sand 10' 11' coarse

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 Vance Murphy

Date Jan 2, 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.

1023

DOCUMENT NO. 386833

VANCE MURPHY
TO
THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA, ss.
COUNTY OF HILL)
Filed at 4:00 o'clock P.M.

ON JAN 2 1962

G.C. YEON
COUNTY CLERK

By _____ DEPUTY

FEE \$2.00- paid

GW-4
FILE NO. _____

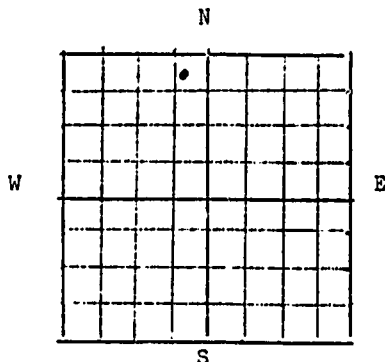
TWP 32 N RGE 15 E
COUNTY HILL

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Willard R. Kickbusch, of WEST OF HAURE
(Name of Appropriator) (Address) (Town)
County of HILL, State of MONTANA
Have appropriated groundwater according to the Montana laws in effect prior to Jan.
1, 1962 as follows:



N 1/4 Sec 9 T. 32 R. 15

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

2. The beneficial use on which the claim is based
DOMESTIC
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
1936 - CONTINUOUS
SINCE THAT DATE
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
15 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
USED FOR IRRIGATION
OF LAWN, TREES AND GARDEN
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
RECIPROCATING
PUMP - ONE WELL ONLY
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
1936
8. The depth of water table
UNKNOWN
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
DRILLED WELL, 6 INCH CASING, 140 FEET DEEP
10. The estimated amount of groundwater withdrawn each year
400,000 GALLONS
11. The log of formations encountered in the drilling of each well if available
NOT AVAILABLE
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
NO OTHER INFORMATION AVAILABLE

Signature of Owner: Willard R. Kickbusch

Date December 5, 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.

10321

296548

WILLARD W. HENNINGSON

TO

THE PUBLIC

DECLARATION OF VESTED GROUND
WATER RIGHTS

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

ON DEC 16 1963

R. E. Blom
COUNTY CLERK

BY _____ DEPUTY

Fee: \$2.00 pd.

2

RECEIVED

MAR 14 1972

County HILL 9

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

Owner PLAUNCEY AND GEORGIANN STEINMETZ
Address STAR RT 36
HAURE, MONTANA
Date well started 6/22/71
completed 6/28/71

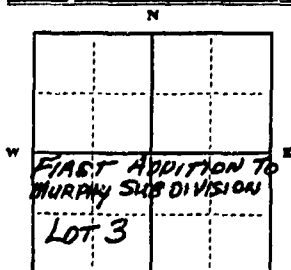
For Administrator's Use
File 423949, March 13, 1972
11:15 a.m.
GW 1

Type of well DRILLED
(Dug, driven, bored or drilled)
Equipment used CABLE TOOL RIG
(Churn drill, rotary or other)
Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☒

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

ESTIMATED ANNUAL WITHDRAWAL 1,500,000 GALLONS

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
<u>12"</u>		<u>0</u>	<u>20</u>	
<u>6 1/2"</u>	<u>6 1/2" O.D. (10' WALL)</u>	<u>1 FOOT ABOVE GROUND LEVEL</u>	<u>107 1/2</u>	(NO PERFORATIONS) WATER COMING IN THRU BOTTOM OF DRIVE SHAFT AT <u>128 1/2 FT. LEVEL</u>
<u>6 1/2"</u>	<u>6 1/2" O.D. (21' WALL)</u>	<u>107 1/2</u>	<u>128 1/2</u>	



Static water level 62 ft.
Pumping water level 64 ft.
at 15 gallons per minute, measured 30 minutes after pumping began.

*Measured from ground level.
Well developed by BAUER + PURP.
for 8 hours.
Power ELECTRIC Pump 3/4 HP

Remarks: (Gravel packing, cementing, packers, type of shutoff) SOLE BRASS TO 12" DIAMETER TO 20 FT. LEVEL
WELL COMPLETION RE. WELL, ANNULAR SPACE FROM 20 FT. BACK TO 15 FT. FILLED WITH DRAINING MUD. CEMENT GROUT ABOVE MUD FILLER TO 8 FT. LEVEL

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

Driller's Signature Robert Zinn H-Line Drilling Service

Driller's Address 1173 6TH ST. NO
HAURE, MONTANA LICENSE NO. 416

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)	
From (Feet)	To (Feet)
<u>0 to 3</u>	<u>SOIL</u>
<u>12</u>	<u>GRAVELLY BROWN CLAY</u>
<u>26</u>	<u>YELLOWISH-BROWN CLAY</u>
<u>33</u>	<u>SANDY BROWN CLAY</u>
<u>34</u>	<u>DRY SAND & GRAVEL</u>
<u>43</u>	<u>SANDY & GRAVELLY BROWN CLAY</u>
<u>52</u>	<u>BROWNISH-GREY CLAY - SMALL BOULDERS</u>
<u>53 1/2</u>	<u>GREY CLAY</u>
<u>55</u>	<u>BOULDER</u>
<u>60</u>	<u>GRAVELLY GREY CLAY</u>
<u>66</u>	<u>GREY CLAY</u>
<u>67 1/2</u>	<u>BROWN SAND & SMALL BOULDER - SOME WATER - (BASED ON)</u>
<u>87</u>	<u>GRAVELLY GREY CLAY</u>
<u>89</u>	<u>GRAY SAND & CLAY MIX - TRACE OF WATER</u>
<u>97</u>	<u>SANDY GREY CLAY</u>
<u>101</u>	<u>SILTY GREY CLAY</u>
<u>105</u>	<u>BULKY GREY SAND & FLOAT BRN</u>
<u>108</u>	<u>SILTY GREY CLAY</u>
<u>116</u>	<u>SANDY & GRAVELLY GREY CLAY</u>
<u>116 1/2</u>	<u>SAND & GRAVEL - WATER</u>
<u>119</u>	<u>GRAY SAND & FLOAT BRN</u>
<u>126</u>	<u>GREY SAND - CLAY PARTICLES - VERY DIRTY</u>
<u>127</u>	<u>GREY SAND - FLOAT BRN</u>
<u>128 1/2</u>	<u>LARGE GRAVEL - SOME SMALL GRAVEL - CONSIDERABLE SILT & SAND</u>
<u>128 1/2</u>	<u>GRAVEL & SAND - WATER EXCEPTING 20 GPM. WITH LITTLE DRIBBLED</u>

128 1/2 Show exact depth of bottom

50,038

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ll.

Clay

423949

CHAUNCEY & GEORGIANN STEINMETZ

TO
THE PUBLIC

WATER WELL

STATE OF MONTANA,
COUNTY OF HILL

Filed 11:13 a.m.

MAR 13 1972

R. E. Blom

COUNTY CLERK

David E. May
DEPUTY

Fees \$2.00 pd.

tom

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