

T 10 North 21 West.
County Ravalli

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
MAY 8 1969

WATER WELL LOG

STATE ENGINEER

			X

Owner Alfred J. & Evelyn Barden Address Florence, Montana.
Driller Norman C. Ray Address Hamilton, Montana
Date Started May 4, 1959 Date Completed May 6, 1969
Location: Sec 22 T 10 N. R 21 W. 1/4 sec. In NE 1/4, 28.15 ac.
West of Highway 793

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: steel casing

Casing: 38 ft. to ft. Type 5 in. / Size

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

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

Type of screen or perforations Perforations, a little on the bottom

Static Water level, for non-flowing well: 26 feet of water feet.

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

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

How tested: Used Baler

Length of test: 15 minutes

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

Gravel packing at bottom

(over)

County Roswell Twp. 107 Rge. 20W

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	Davis, Marion & Helen L	GW3	2554	
1	Fallon, William	GW2	5843	
1	Ross, Richard T & Louise A	GW2	5350	
1	Martin, Blanche W & Loretta	GW2	5865	
1	Wardens, Jack	GW2	5226	
2	Bullington R. & Blanche A	GW3	5384	
2	Spain, Virginia H	GW2	5789	
2	Marin, Marice H.	GW4	2553	
2	Edwards, M E & Esther Mrs	GW4	2484	
2	Edwards, M E & Esther Mrs	GW2	5809	
2	Osterheld, R Keith	GW3	2229	
2	Osterheld, R Keith	GW4	2227	
2	Osterheld, R Keith	GW4	2228	
2	Pearson, Frankie L	GW3	4001	
2/3	Roy, John	GW2	4962	
3	Talbot, Eldon	GW2	5451	
3	Boyd, Jack	GW2	5641	
3	Thompson, Ted	GW2	5646	
9	Giles, Jim	GW2	5715	
10	Olson, Arthur J	1961	710#	
10	Olson, Arthur J	1961	710#	
10	Olson, Arthur J	GW2	4982	
10	Olson, Arthur J	GW2	4783	
10	Richard, R J	GW4	3042	
10	Schrockengust, Clyde	GW4	2988	
10	Crunk, Paul L & Helen	GW4	1772	
11	De Pas, Gerald L	GW2	5124	
11	Flora School	GW2	1820	
11	Flora School	GW2	1917	
11	Flora School District 15-6	GW2	5811	
11	Bhatwell	1962	710#	
11	Holmes, Eugene J & Evelyn L	GW4	4074	
11	Johntson, Helen L	GW4	2477	
11	Johntson, Helen L	GW4	153586	
11	Long, Clyde	GW3	4351	
11	Long, Clyde	GW4	4349	
11	Long, Clyde	GW4	4350	
11	M. Phee, George	GW4	2421	
11	M. Vey, Evelyn W	GW4	2123	
11	M. Witty, Mary E & Jane M	GW4	4299	
11	M. Witty, Cleo	GW2	5878	
11	Strage, Joseph B & Charlotte E	GW4	2245	
11	Strage, Joseph B & Charlotte E	GW4	2244	
11	Schrockengust, Clyde	GW2	5777	
11	Schrockengust, Clyde	GW2	4974	
11	Schrockengust, Clyde	GW4	2988	

County Twp. Rge.

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
11	Wagner, William	GW2	4013	
11	Wagner, Robert & Co	GW2	5187	
11	Williamson, D.C.	GW2	5329	
11	Wagner, Friedrich D.	GW4	4317	
11	Wagner, Friedrich A.	GW4	4311	
11	Wagner, Capt. Louis	GW2	4057	
11	Wagner, Robert H.	GW2	5814	
11	Wagner, Robert H.	GW2	5355	
11	Wagner, Robert H.	GW4	5150	
11	Waller, George E.	GW4	2400	
11	Walters, Della	GW2	5130	
11	Zeller, Bill W.	GW2	5105	
11	Zeller, Bill W.	GW4	707	
11	Zeller, Duane & Bernice	GW4	2400	
11	Zeller, Duane & Bernice	GW3	2159	
12	Anderson, M. Kinman	1962	717	
12	Tribb, Norman & Thurgis	GW2	205	
13	Wenger, Emil F.	GW2	2189	
13	Ziller, Don	GW2	5884	
14	Wagner, Dale	GW2	4546	
14	Wagner, Walter H. & Paul P.	GW4	1900	
14	Wagner, Archie B. & Vada	GW4	4309	
14	Woolf, Paul	GW2	5236	
14	Wagner, Florence Cemetery	GW2	5399	
14	Wagner School Board	GW2	4617	
14	Wagner, Donald M. & Elvira H.	GW4	4090	
14	Wagner, Donald M. & Elvira H.	GW4	4089	
14	Wagner, Elizabeth & Thurgis	GW4	4088	
14	Wagner, Fred F. & Dora D.	GW4	4731	
14	Wagner, Frank	GW2	5558	
14	Wagner, Cecil	GW2	5231	
14	Wagner, Ethel M.	GW2	5811	
14	Wagner, William	GW2	5596	
14	Wagner, Jay	GW4	4087	
14	Wagner, Mark E. & Gene M.	GW4	4299	
14	Wagner Construction, Inc.	GW2	5752	
14	Wagner, Arthur J. & Florence O.	GW4	1964	
14	Wagner, Fred	GW2	5697	
14	Wagner, Pat & Eunice	GW2	4927	
14	Wagner, John	GW3	5888	
14	Wagner, Byron M. & Shirley D.	GW4	1958	
14	Wagner, Basil, J.	GW4	4319	
14	Wagner, Charlie	GW2	1623	
15	Wagner, Frank & Barbara	GW3	4096	
19	Zeller, Louis W. & Elizabeth M.	GW2	5985	
20	Zeller, M. J. & M. E.	GW3	5141	

County Ravalli

Twp. 117

Rge. 20W

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
21	Siebenberger, Jean & Eric	GW2	5945	
21	Enzler, Oscar E.	GW3	2662	
21	Enzler, Oscar E.	GW4	2661	
21	Hill, David	GW2	5317	
21	McCormack, Sue	GW2	5764	
21	Rasmussen, Jerry	GW2	5422 533	
21	Spura, Roy G.	GW2	5	
21	Kissman, Donald & Rita	GW4	-114	
21	Stratton, Helen B.	GW4	5377	
21	Stratton, Helen B.	GW3	5422	
21	Stratton, Roy	GW2	5751	
21	Wimble, Carl G.	GW2	5495	
22	Barden, Alfred J.	GW3	1314	
22	Barden, Alfred J.	GW2	1948	
22	Bugli, Mary	GW2	4974	
22	Bugli, Peter & Mary Ann	GW4	2350	
22	Heblast, Marjorie S.	GW2	4480	
22	Heblast, Marjorie S.	GW4	2695	
22	Heblast, Marjorie S.	GW4	5296	
22	Hessert, Norman & Carol	GW2	5665	
22	Jones, Lloyd	GW2	5415	
22	Keniston, W. Henry & Cora	GW2	4041	
22	Keniston, W. Henry & Cora A.	GW4	2371	
22	Keniston, W. Henry & Cora A.	GW4	2376	
22	Lento, Eugene	GW2	5402	
22	Mair, Raymond	GW4	2426	
22	Misila, Alfred & Helen	GW4	2381	
22	Nonemanick, Kenneth & Patricia	GW2	5282	
22	Raquet, H. J.	GW2	6035	
22	Raquet, Nancy	GW2	1034	
22	Simpson, James	GW2	4939 4723A	
22	Simpson, James	GW1	4926	
22	Simpson, James	GW2	4928	
22	Simpson, James	GW4	2737	
22	Simpson, James	GW4	2736	
22	Simpson, James	GW4	2738	
22	Strong, Russell G.	GW4	2128	
22	Wolfe, Samuel	GW2	5918	
22	Wolfe, Samuel	GW2	5919	
22	Wolfe, Samuel	GW2	5920	
22	Brinkerhoff, Kyle L.	GW2	4929	
23	Bugli, Peter & Mary Ann	GW4	2379	
23	Chaffin, Rob L.	GW2	5609	
23	Dugitt, Dennis	GW2	5847	
23	Hire, Agnes	GW4	4092	
23	Hill, Jim	GW2	5783	

Coun.

Twp. 107

Rge. 20W

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
23	Litchfield, Bob	GW2	5444	
23	Litchfield, Bob	GW2	5444	
23	Stoemaker, John W	GW3	2234	
23	Stoemaker, John W	GW4	2233	
23	Wolkin, Charles	GW2	5396	
23	Wolke, Fred	GW2	5912	
25	Boyle James F & Sons	GW4	5644	
25	Faulkner, James A	GW2	5436	
25	Kloutchinski, Janouse	GW3	5982	
25	Lavochka, John & Hanna	GW2	5101	
25	Van Aken, John A.	GW2	5331	
26	Boyle, James F	GW4	2633	
26	Richson, William & Melba	GW4	4288	
26	Shipp, Mike & Bernice	GW4	4048	
26	Shipp, Mike & Bernice	GW3	4049	
26	Trank, Warren & Marlene	GW4	2543	
26	Worlin, Charles & Fannie M	GW4	4244	
27	Chaffin, Bob	GW2	5656	
27	Crump, John H.	GW3	2666	
27	Decker, Bob	GW2	5752	
27	Decker, William P	GW4	2618	
27	Decker, William P	GW3	2455	
27	Shuck, Luther	GW2	5706	
27	Shuck, Ray	GW2	5744	
27	Middle, W. C.	GW2	5029	
27	Osterheld, R Keith & June E	GW2	5121	
27	Price, Dennis	GW2	5741	
28	Edinger, Jacob & Elmer	GW4	2226	
28	Hapke, Albert C	GW4	2114	
28	Wycislawski, T. J.	GW4	2592	
28	Wycislawski, T. J.	GW2	4549	
33	Forest Service	GW2	1660	
33	Foss, Arden	GW2	4381	
33	McNinch, Ted & Helen Joan	GW2	4259	
33	Watt, Tom	GW2	5954	
34	Crump, John H.	GW4	2665	
34	Hew, John	GW4	2664	
34	Ruffalter, F. Raymond	GW2	5416	
34	Truitt, Paul N.	GW2	1655	
34	Winnon, Robert A & Rose D	GW2	5576	
35	Shallman, Vernon	GW3	2233 or 332575	
35	Zuba, Will	GW4	2634	
35	Winnon, Rose	GW2	5668	
35	Simpson, Curtis & Baggie	GW3	5863	
35	Simpson, Curtis & Baggie	GW2	5862	
36	Johnson, Melburn & Ella Lynn	GW2	4853	

GW 2

File No.

DUPLICATE

T. 10 N. R. 20 W.

County Bevill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
D
JAN 8 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1960

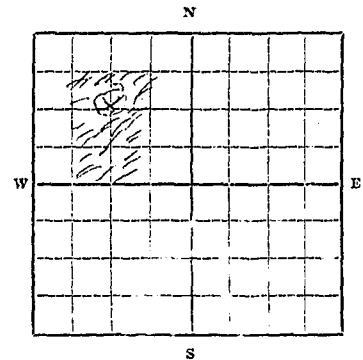
Owner Marion Helen J. Davis Address Florence, Mont

Contractor (if any) Kenneth Gardner

Address of Contractor

Date Started May 1960 Date Completed May 1960

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



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

700 G.P.M. for 6 months

near center of NW 1/4 of Sec. 1, T. 10 N. R. 20 W.
Indicate point of appropriation and place of use, if possible.

Signature of Owner Marion H. Davis

Date Dec. 14, 1960

This form to be prepared by contractor (if any), otherwise by the owner.
Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.
Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

27362

#2554

I certify that I received and filed this
instrument on this 30th
day of Dec. 1963 at 2:01
P. M.
F. G. Moore
COUNTY CLERK
By Shirley Keith
DEPUTY

50^F43

I cert. that I received and filed this
Instrument on this 21st
day of March, 1923, at 4:45
o'clock P.M.

Deane E. Hughes
COUNTY RECORDER

By Her 2.00
DEPOSED

File No.

T. 10N R. 20W

DUPLICATE

NOV 4 1970

County Ravalli

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)

Richard T. and

Owner Laurel A. Karr Address Florence, Montana

Driller Richard T. Karr Address Florence, Montana

Date of Notice of appropriation of groundwater None filed.

Date well started May 1, 1970 Date completed May 1, 1970

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

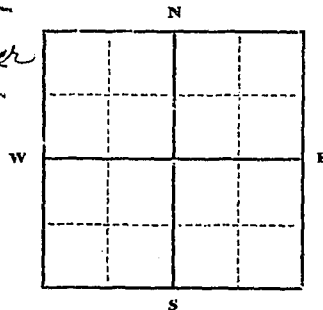
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.



Top of Ground Approx. 3200'
(Elev. above sea level 3200')

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x 1/4"	-3	42	6 5/8" OD x 1/4" Slot Mac 3	38	42

Doc. No. 5350
Filed for record
this 2 day of November
A. D. 1970, at 8:21
o'clock A.M.



NW 1/4 NE Sec. 1 T. 10N R. 20W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 6 feet.

Shut-in Pressure for Flowing Well Non-f

Pumping Water Level 7 feet
at 300 gal. per minute.

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

How Tested Air lift pump

Length of Test 4 hours

Remarks: (Gravel packing, cementing, packers, type of cutoff) All water entering well through slot openings in screen.

(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).

Homestead NW 1/4, NE Sec 1, T 10N R 20W

Show exact depth of bottom.
Bottom of well 42 feet

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.

None Driller's License Number

[Signature] Driller's Signature

47720

#5350

I certify that I received and filed this
instrument on this 2nd
day of Nov., 19 20, at 8:21
o'clock A. M.
Z. S. Moore
COUNTY RECORDER
By Zee 2.00
DEPUTY

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 Homer D & Loretta L. Martin
Address Box 123
Corvallis, Montana
Date well started 5/14/70
completed 5/14/70

For Administrator's Use	
File	<u>5865</u>
	<u>April 12, 1973</u>
GW	<u>3:30 p.m.</u>

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

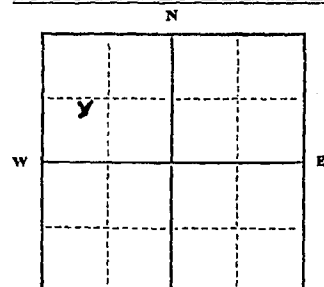
Equipment used Air Rotary
(Chain drill, rotary or other)

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

*Describe
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).
Lot 15 Meadow Vista Tracts
Platted Subdivision
Approx. 4.58 Acres

ESTIMATED ANNUAL WITHDRAWAL 78,840,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 3/8" OD x 3/4"	Plus 3' 3"	57	Torch Cut	49	54
A solid steel plug is firmly attached to bottom of casing						



Lot 15 meadow vista tracts
S. N. 1/4, N. W. 1/4 Sec. 1
T. 10 N. R. 20 E
8 W

Static water level 3 ft.*
Pumping water level 20 ft.*
at 150 gallons per minute,
measured 330 minutes after pumping began.
*Measured from ground level.
Well developed by Air Lift Pump
for 5 1/2 hours.
Power Diesel Pump 150 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) all water entering well is coming through slots in casing.
Wells in this area can be depended upon to

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

Driller's Signature Liberty Drilling Company
LIBERTY DRILLING COMPANY

Driller's Address 2500 Reserve Street

Missoula, Montana LICENSE NO. 52

RECEIVED

APR 18 1973

County avalli

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 Approx. (Elev. above sea level) 3490'

From (Feet)	To (Feet)	
0	4	Dirt
4	16	Sand and gravel. Water
16	18	Gravel imbedded in tan clay
18	24	Fine sand
24	27	Sand and gravel
27	31	Tan clay
31	39	Sand and gravel
39	47	Sand and gravel mixed in tan clay
47	49	Fine sand and gravel
49	57	Clean coarse sand and gravel. Water

57' Show exact depth of bottom
Water rises in well eight feet from surface.

52,896

produce clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates not in excess of 50 to 60 percent of the tested capacity of the aquifer.

5865

I certify that I received and filed this
instrument on this 18th
day of April 1923 at 3:30
o'clock P.M.
Carlton E. Glasgow
COUNTY RECORDER
By Geo. A. Co.
Deputy

File No.

RECEIVED

T. 10N R. 20W, P. 11M

DUPLICATE

OCT 1 1970

County RAVALLI

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 JACK UNDEM Address 145 Strand Missoula, Mt.

Driller owner Address

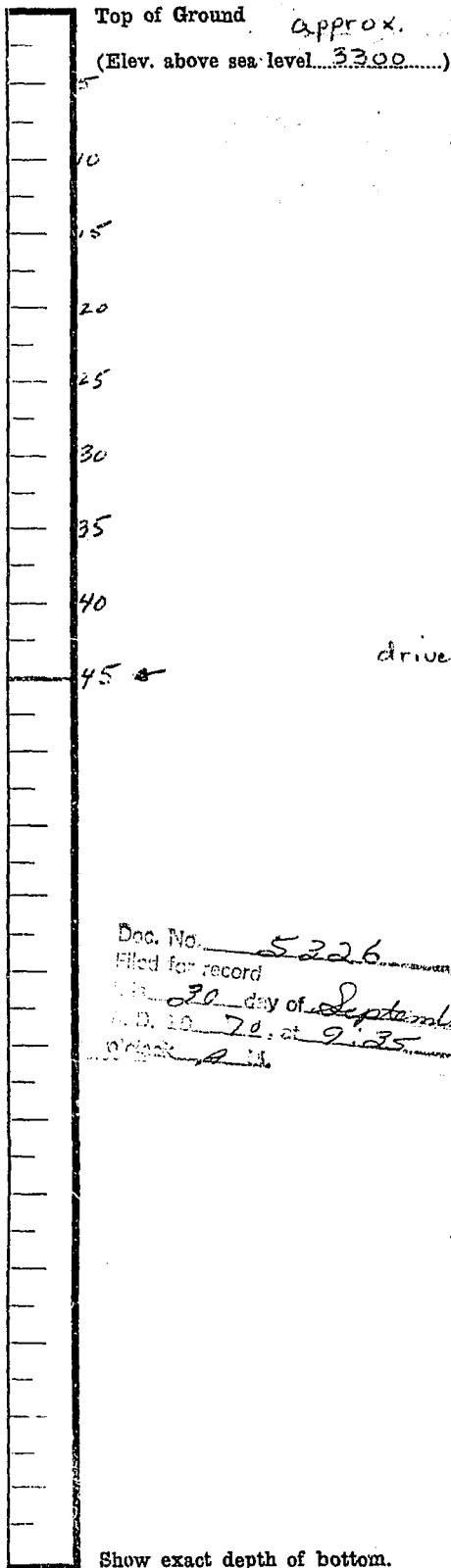
Date of Notice of appropriation of groundwater 9-24-70

Date well started July 15, 1970 Date completed July 19, 1970

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

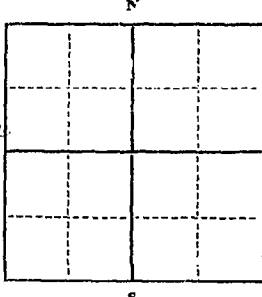
Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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"	6" Steel	ground level	45' below ground level	Vertical 5" slits	45' below ground	35' below ground

Doc. No. 5226
Filed for record
on 30 day of September
A.D. 1970 at 9:35 W
of Missoula, Mt.



Static Water Level for non-flowing well 7 ft. below ground level feet.
Shut-in Pressure for Flowing Well NA
Pumping Water Level NA feet
at NA gal. per minute.
Discharge in gal. per min. of flowing well NA
How Tested Not tested
Length of Test NA
Remarks: (Gravel packing, cementing, packers, type of shutoff) none

W 1/2 Sec. 1 T. 10N R. 20W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.
Meadow Vista Tracts - 4.39 Acres

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).
ABOVE

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.

NA
Driller's License Number
Jack Undem, by
Lydia J. Undem
Driller's Signature. (wife)
17575

#5326

I certify that I received and filed this
instrument on this 30th
day of Sept 1920, at 9:35
o'clock A.M.
F. S. Moore
COUNTY RECORDER
By Lee D. Co
DEPUTY

[Faint, mostly illegible handwritten notes and signatures in the lower half of the page.]

County Ravalli

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL
Developed After January 1, 1962

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

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 may be returned.

For Administrator's Use

File 5384
10:00 A.M.
February 5, 1971

GW 1 6

Owner Eugene R. Ballard Eleanor A. Ball
Address 3425 S. 7th St. Missoula Montana
Contractor (if any) Work done by above
Address of Contractor owner
Date Started 2/3/71 Date Completed 2/4/71

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.)

Developed Spring

2. Means of withdrawing water (gravity, pump, canal, etc.)

gravity

3. Depth of water table

surface

4. Use of the water

stock water

5. Amount of groundwater claimed (in miner's inches or gallons per minute)

5 miners inches

6. If used for irrigation, give number of acres and description of land

used only as stock water

7. Estimate amount of water used each year

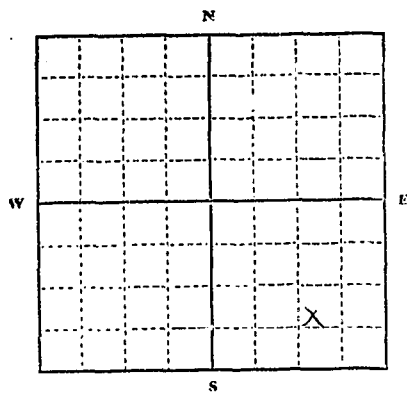
Completion amount of spring

8. Months of year spring flows

Continuously for 12 months
Eleanor A. Ball.

Signature of Owner Eugene R. Ball

Date Feb 5 1971



SE 1/4 SE 1/4 Sec. 2

T. 10 N. 20 E. (W)

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.

Elevation of spring, if known or estimated 3400 ft. above sea level (estimation)

#5384

I certify that I received and filed this
instrument on this 5th
day of Feb., 19 71, at 10:00
o'clock A. M.
F. G. Moore
COUNTY RECORDER
By Fee 2.00
DEPUTY

County Blaine

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.

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.

Owner Marion A. Davis
Address Blaine, Montana
Date well started Feb. 24, 1972
completed March 2, 1972

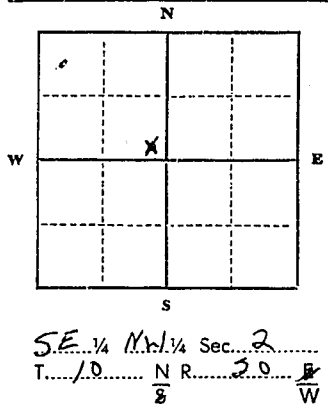
For Administrator's Use	
File #	<u>5789</u>
Date	<u>January 8, 1973</u> <u>2:00 P.M.</u>
GW	<u>1</u>

Type of well Drilled
(Dug, driven, bored or drilled)
Equipment used Churn Drill
(Churn drill, rotary or other)
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other * Garden/Lawn

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" I.D.	6" I.D. 17 lb per ft.	1 1/2' above g.l.	54'		none	



Static water level 31 1/2 ft.*
Pumping water level 40 ft.*
at 35 gallons per minute,
measured 7 minutes after pumping
began.
*Measured from ground level.
Well developed by test pump
for 7 hours.
Power 5.100 Pump 1 1/2 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

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

Driller's Signature J. Jensen Camp
Driller's Address 1522 S. 14th W. Missoula, Montana 59807
LICENSE NO. 7

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	5	Sand Gravel & Clay
5	20	Clay Gravel & Cobblestones
20	22	Boulder
22	41	Clay Gravel & Cobblestones
41	50	Clay Gravel & Seeps of water
50	54	Sand Gravel & Water

541 Show exact depth of bottom

52176

5789

I certify that I received and filed this
instrument on this 21st
day of Jan, 1923, at 2:00
o'clock P.M.

Darwin E. H. H.
COUNTY RECORDER

DEPUTY

File No.

T. 10 N. R. 20 W. ²
County Ravalli

DUPLICATE

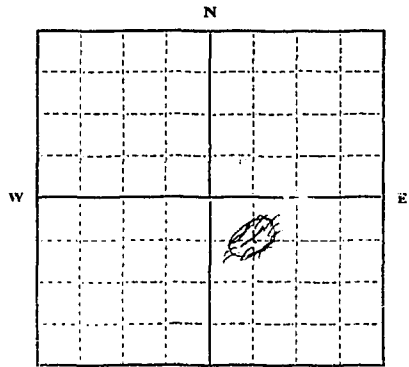
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 2 1963
Florence
STATE ENGINEER

1. Marion H. or Helen J. Davis, of Florence, County of Ravalli, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/2 NW 1/4 of SE 1/4 of Sec. 2, T. 10 N. R. 20 W

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 & stock water
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1930 used continuously
- 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: 1 acre yard
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Deep well pump

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
- 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: 2 wells 3 casing 65' deep
- 10. The estimated amount of groundwater withdrawn each year: 300,000 gal.
- 11. The log of formations encountered in the drilling of each well if available:
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record:

Signature of Owner: Marion H. Davis
Date: Dec 14 1963

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

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

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

27361

#2553

I certify that I received and filed this
on the 30th
day of Dec. 63 2:00
o'clock
P.
F. W. Moore
by Shelby Keith
DEPUTY

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No.

T. 10N R. 20W

DUPLICATE

County

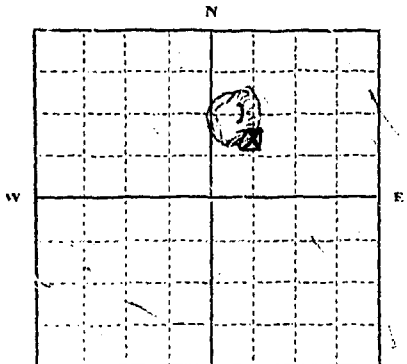
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

Declaration of Vested Groundwater Rights
(Under Chapter 227, Montana Session Laws, 1961)

1. M.E. + Esther Mae Edwards of Florence (Name of Appropriator) (Address) (Town)

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



1/2 mile north of
the SW corner of
1/4 Sec. 2, T. 10N, R. 20W
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

stock garden & lawns

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1930 - used continuously

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

1 acre irrigated

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

deep well pump

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

8. The depth of water table

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

Drilled well, 3" casing 66' deep

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

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

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

Signature of Owner M.E. and Esther Mae Edwards

Date Dec. 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.

27292

#2484

I certify that I received and took the
instrument on this 30th
day of Dec 63 at 11:49
o'clock AM
F. B. Moore
by
Shirley Keith
DEPUTY

County Beaverhead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
**NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL**
Developed after January 1, 1962

DRILLER'S LOG

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

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

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

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

Owner Milton E. Edwards
Kevin J. Scuffield

Address <u>Rt. 1 Box 36A</u>		For Administrator's Use	
<u>FLORENCE MONTANA</u>		File <u>5809</u>	
Date well started <u>SEPT. 1, 1972</u>		<u>Feb. 8, 1973.</u>	
completed <u>SEPT. 2, 1972</u>		<u>GW 1 256 p. 12</u>	

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

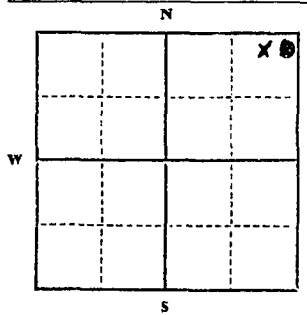
Equipment used CHURN
(Churn drill, rotary or other)

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

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" I.D.	6-5/8" OD 17 lbs. 1/4" side-wall	ground level	39 ft.	none	none	none



NE 1/4 NE 1/4 Sec. 2
T. 20 N. R. 8 W.

Static water level 5'6" ft.*
Pumping water level 30 ft.*
at 45 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by test pump
for 2 1/2 hrs. hours.
Power 110 Pump 1 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
GL	5'	Sand and silt
5'	9'	Sand, gravel and clay
9'	25'	Sand, gravel and water
25'	31'	tan clay, sand and gravel
31'	37'	Sand and water
37'	39'	Sand and gravel and water

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

Driller's Signature Herbert L. Williams

Driller's Address 1558 So. 5th. W. MISSOULA, MONTANA

LICENSE NO. 151

39 feet Show exact depth of bottom

5809

I certify that I received and filed this
instrument on this 2nd
day of Feb, 1923, at 2:50
o'clock P.M.

Darlene C. Hughes
COUNTY RECORDER

Wes L. Os
DEPUTY

GW 3

File No. 2229

T. 10^N R. 20^W

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 31 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater About 1909

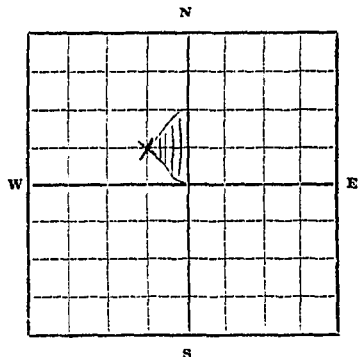
Owner R. Keith Osterheld Address Florence, Montana

Contractor (if any) None

Address of Contractor Not applicable

Date Started About 1909 Date Completed About 1909

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



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

SE 1/4 NW 1/4 Sec. 2 T. 10 N R. 20 W

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

X indicates spring
Shading indicates area of use

tent estimate approximate lengths of periods of use

Forty (40) inches April through August,

Ten (10) inches September through March.

Signature of Owner R. Keith Osterheld

Date December 26, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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

I certify that I received and filed this
instrument on this 26
day of Dec 1963 at 5:02
o'clock P.M.

F. S. Moore
COUNTY RECORDER

By _____
DEPUTY

File No. 2527

T. 10 R. 20 ³²

DUPLICATE

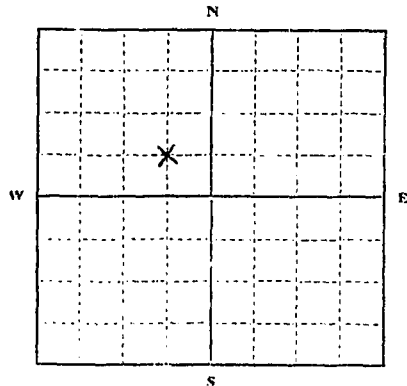
County.....

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

RECEIVED
 DEC 31 1963

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

1. A. Keith Osterheld, of Florence (Name of Appropriator) (Address) (Town)
 County of Beavalli 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 Sec. 2 T. 10 N. R. 20 W
 Indicate point of appropriation*
 and place of use, if possible. Each
 small square represents 10 acres.
 * Both indicated by X

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 About 1909. Continuous.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) Thirty (30) gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not applicable.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Withdrawn by siphon, from well located near the center of the SE 1/4 of the NW 1/4 of Sect. 2, Twp 10 N., Rge. 20 W, 4PM.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced and completed about 1900.
8. The depth of water table About three (3) 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 Dug well, cemented, about 30 inches in diameter, about fifteen feet deep.
10. The estimated amount of groundwater withdrawn each year 120,000 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 None known.

Signature of Owner R. Keith Osterheld
 Date December 26, 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.

I certify that I received and filed this instrument on this 26 day of Dec 63 at 5:00 o'clock P.M.

F. S. Moore
COUNTY RECORDER

By _____ DEPUTY

File No. 222P

T. 10 N R. 20 W

DUPLICATE

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 31 1963

Declaration of Vested Groundwater Rights

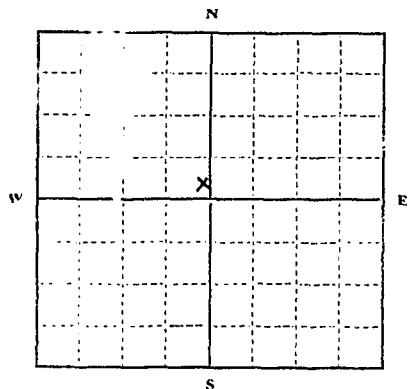
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. R. Keith Osterheld, of Florence
(Name of Appropriator) (Address) (Town)

County of Ravalli 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 Sec. 2 T. 10 N R. 20 W

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

* Both indicated by X

2. The beneficial use on which the claim is based. Household use, stock water and irrigation of garden & yard

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. About 1908, continuous, with modification about 1954 (see item 7)

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

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. About one acre, surrounding point of appropriation (garden and yard), owned by R. Keith Osterheld and Jean E. Osterheld

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Withdrawn by electric pump, from well located near the southeast corner of the SE 1/4 of the NW 1/4 of Sect. 2, Twp. 10 N, Rge. 20 W, MPL.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. About 1908 a dug well was constructed on the site. About 1954 a drilled well was completed at the same location; claims herein pertain to this present drilled well.

8. The depth of water table. About fifteen feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Drilled well, four inch casing, about forty feet deep.

10. The estimated amount of groundwater withdrawn each year. Three hundred thousand 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. None known.

Signature of Owner: R. Keith Osterheld
Date: December 26, 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.

I certify that I received and filed this
instrument on this 26
day of Dec, 1963, at 5:01
o'clock P.M.

F. H. Moore
DEPUTY RECORDER

By _____
DEPUTY

File No.....

T. 10 N. R. 20 West

DUPLICATE

County, Ravalli

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 17 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Summer of 1910

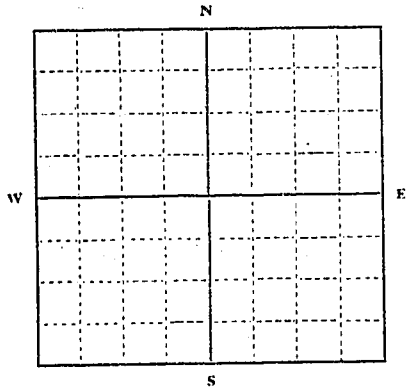
Owner Frankie L. Pearson Address Florence, Montana

Contractor (if any) inapplicable

Address of Contractor inapplicable

Date Started Summer 1910 Date Completed Summer 1910

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



Lot 2 in 1/4 Sec. 2 T10N R20 W. M. P. M. Ravalli County
Indicate point of appropriation and place of use, if possible.

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

estimate approximate lengths of periods of use 3 gallons per

second gravity flow; tested by gallon jar measure-
ment - use is domestic, garden, yards and some
stock.

Signature of Owner Frankie L. Pearson

Date December 30, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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

4001

I certify that I received and filed this
instrument on this 31st
day of Dec., 19 63, at 2:50
o'clock P. M.
F. H. Moore
COUNTY RECORDER
By Shirley Keith
DEPUTY

File No.

MONTANA WATER RESOURCE BOARD

T. R. *13*
County *Rowell*

DUPLICATE

RECEIVED

LOG

SEP 7 1967 ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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)

- GL top soil
- 6" tan clay, sand, gravel & scattered boulders
- 13' tan clay, sand, & gravel
- 28' tan clay, sand, gravel & boulders
- 41' small seep of water
- 41' tan clay, sand & gravel
- 52' tan clay, silt, sand, & water
- 63' heaving silt, sand & water
- 65' sand, gravel & water
- 69'

Owner: *JONES-DAY* Address: *FLORENCE, MONT.*

Driller: *KEN WILLIAMS* Address: *1558 So. 5th W. MISSOULA, MONT.*

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

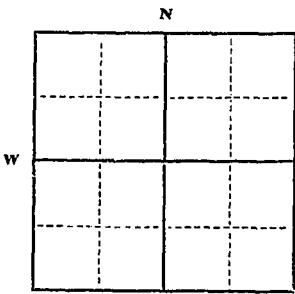
Date well started..... *MAY 30, 67* Date completed..... *JUNE 5, 67*

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" I.D.	6 5/8" O.D. 17 lbs. per ft. 1/2" side wall	ground level	69'			



Static Water Level for non-flowing well *41* feet.

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

Pumping Water Level..... *65* feet at..... *50* gal. per minute.

Discharge in gal. per min. of flowing well

How Tested..... *bail & compressor test*

Length of Test..... *4 hours*

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

N 1/4 Sec. 2-10-20
NE 1/4 Sec. 3-10-20
1/4 Sec. T. R.
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

151
Driller's License Number

Ken Williams
Driller's Signature

42,270

#4962

I certify that I received and filed this
instrument on this 5th
day of Sept, 1967, at 1110
o'clock P.M.
F. R. Moore
COUNTY RECORDER
By Lee J. Co
DEPUTY

Well log
Down by Clarence (30)
County, Bozeman Co.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

RECEIVED
DRILLER'S LOG

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

JUL 14 1971

Indicate the character, color, thick-
ness 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.

Developed after January 1, 1962

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

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

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

Owner HERMAN POLLEY
Address 412 Plymouth
Missoula, Mt.

For Administrator's Use		
File	<u>5451</u>	
Date	<u>July 3, 1971</u>	
Time	<u>10:40 AM</u>	
GW	<u>1</u>	

Date well started JUNE 11, 1971
completed JUNE 28, 1971

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

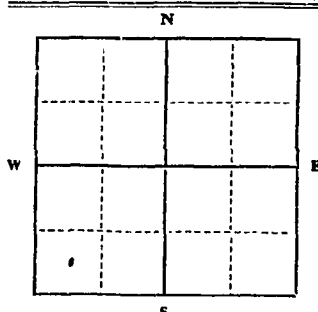
Equipment used churn
(Churn drill, rotary or other)

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

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				None	From (Feet)	To (Feet)
6" I.D.	6-5/8" OD 17 lbs. level 1/4" side-wall	ground level	76'	none	none	none



Static water level 36 ft.*
Pumping water level 71 ft.*
at 20 gallons per minute,
measured 60 minutes after pumping
began.
*Measured from ground level.
Well developed by test pump
for 3 hours.
Power 220V Pump 3/4 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

SW 1/4 NE 1/4 Sec. 2
T. 10. N. N. R. 20. W. 40. M. 6 (Acres)

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

Driller's Signature [Signature]

Driller's Address 740

LICENSE NO. 193

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
GL	3'	top soil
3'	20'	tan clay, gravel & boulders
20'	28'	sand, gravel & water
28'	74'	tan clay, silt & sand
74'	76'	sand, gravel & water

76 ft. Show exact depth of bottom

48744

#5451

I certify that I received and filed this
instrument on this 13th
day of July, 1971, at 10:40
o'clock A.M.
F. H. Moore
COUNTY RECORDER
By F. H. Moore
DEPUTY

#5641

I certify that I received and filed this
instrument on this 20th
day of June 19 22 at 9:25
o'clock A.M.

F. S. Moore
COUNTY RECORDER

By Fred. C. Co
DEPUTY

County Avalli

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

RECEIVED

JUN 27 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. & Mrs. Ted Thompson

Address Florence, Montana

Date well started 4/4/72

completed 4/17/72

For Administrator's Use
File # <u>5646</u>
<u>June 26, 1972 2:30 p.m.</u>
GW 1

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

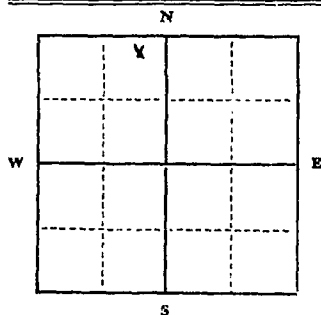
Equipment used Churn
(Churn drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigat*
Industrial Drainage Other * Garden/Law

*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 5 gallons per minute

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 inch	17 lbs. per ft.	0	187	3/16x5	120	130



N.E. 1/4 N.W. 1/4 Sec. 3
T. 10 N. R. 20 E.
8 W

Static water level 35 ft.*
Pumping water level 177 ft.*
at 120 gallons per minute,
measured 10 minutes after pumping
began.
*Measured from ground level.
Well developed by bailing
for 10 hours.
Power..... Pump..... HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)
Five feet of gravel pack

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
0	1	Top soil
1	23	Sand, gravel, and boulders (Glacial drift).
23	75	Intermittent layers of sand, gravel mix--Light br.
75	81	Sand saturated--fine. Grey in color.
81	182	Thin layers of sand, clay, gravel, saturated-dr.br.grn.
182	190	Clay Intermittent, dr. br. and green.

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

Driller's Signature Charles Winkle, Jr. Did not come through
Driller's Address Box 27 Victor, Montana 59875

LICENSE NO. 200

190 ft. Show exact depth of bottom

50,740

#5646

I certify that I received and filed this
instrument on this 26th
day of June, 19 22 at 2:30
o'clock P.M.
F. J. Moon
COUNTY RECORDER
By F. J. Moon
DEPUTY

#5715

I certify that I received and filed this
instrument on this 22nd
day of Sept., 1972, at 11:56
o'clock A.M.
F. G. Moore
COUNTY RECORDER
By Fee 2.00
DEPUTY

Form No. 18
8-60

T. 10 N R. 20 W
County Beavert

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
SEP 28 1961

WATER WELL LOG

STATE ENGINEER

Owner Arthur Olsen Address Florence, Mont
Driller Glenn Camp 705 Alder Address Missoula
Date Started Sept 4, 8, 1961 Date Completed Sept 14, 1961
Location: Sec. 10 T. 10 N R. 20 W $\frac{1}{4}$ sec. SW 1/4 of SE 1/4

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: Pulled out ~~ft.~~ to Casing ft. Type _____ Size _____

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

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

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

Type of screen or perforations _____

Static Water level, for non-flowing well: No water _____ feet.

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

Pumping water level No water feet at _____ gal. per min. _____

How tested: _____

Length of test _____

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

There was no water. The casing was pulled from the hole.

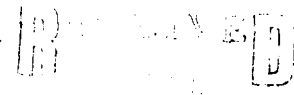
Put in exact location and file with the County Clerk and Recorder.

(over)

Form No. 15
8-60

T. 22 R. 22
County Missoula

MONIANA BUREAU OF MINES AND GEOLOGY
Butte, Montana



WATER WELL LOG

STATE ENGINEER

Owner Arthur Olsen Address Florence, Montana

Driller Glenn Camp 705 Alder Address Missoula, Montana

Date Started Sept 14, 1961 Date Completed Sept 15, 1961

Location: Sec. 10 T. 22N R. 22W $\frac{1}{4}$ sec. Section 10, T22N, R22W

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: 7" above pipe floor to 17' ft. Type Seamless 19lbs Size 6" I.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: 10' from ground level _____ feet.

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

Pumping water level ~~40~~ 13 feet at 7 $\frac{1}{2}$ gal. per min.

How tested: Bailer

Length of test 1 hour

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

Put in exact location and file all 3 copies with County Clerk and Recorder

(over)

File No.

MONTANA WATER RESOURCES BOARD

T. R.

TRIPPLICATE

RECEIVED

County... Beavalli

LOG

NOV 10 1967

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

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

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

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

Owner: Arthur J. & Florence O. Olsen Florence, Montana
Arthur Olsen Address: Darby, Mont. Box 38
Box 27,

Driller: C. F. Wroble Address: Victor, Mont.

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

Date well started: Nov. 10, 1967 Date completed: Nov. 11, 1967

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

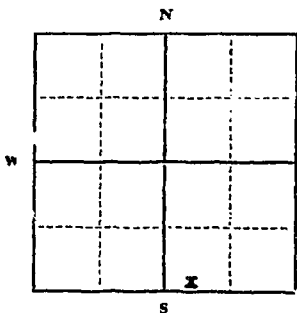
Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

1 ft. Topsoil

21 ft. Decomposed granite
sands, Gravel,
Large blacial
boulders

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"			3/16x5	16	21



Static Water Level for non-flowing well 6 feet.

Shut-in Pressure for flowing Well.....

Pumping Water Level..... 16 feet
at..... 15 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested... Baled

Length of Test... 1 1/2 hrs.

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

Sec. 16 T. 10 R. 20
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

62
Driller's License Number

C. F. Wroble
Driller's Signature.

42,547

4982

I certify that I received and filed this
instrument on this 16
day of Nov., 19 67, at 10:30
o'clock A. M.

J. G. Moore
COUNTY RECORDER

By Fee 2.00
DEPUTY

#4983

I certify that I received and filed this
instrument on this 16
day of Dec. 1967 at 10:31
o'clock 10 M.
D. S. Moore
COUNTY RECORDER
By Free 2.00
DEPUTY

2

e No.

T...R...
County.....

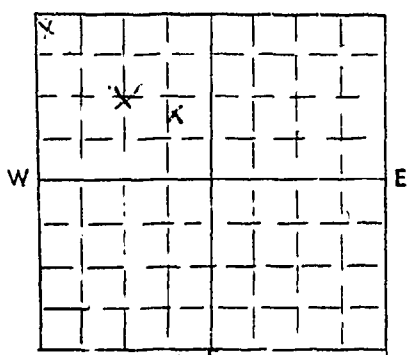
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. *Robert Stewart* of *1111* *Lawrence*
(Name of Appropriator) (Address) (Town)

County of *Cascade* State of *Montana*

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



N. 1/4 Sec. 2, T. 19, R. 74.
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. *Water for irrigation*
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. *1880 - constant*
4. The amount of groundwater claimed (in miner's inches or gallons per minute). *About 300 miner's inches from each of 2 springs*
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. *About 170 acres. My land*
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. *Water table*
7. The date of commencement and completion of the construction of the ~~wells~~, or other works for withdrawal of groundwater. *1880 - 1885*
8. The depth of water table. *Approx. 100 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. *Water table*
10. The estimated amount of groundwater withdrawn each year. *constant*
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 *Robert Stewart*
Date *11. 18. 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.

3647

I certify that I received and filed this
instrument on this 31st
day of Dec, 1963 at 11:51
o'clock P. M.

F. V. Moore
COUNTY RECORDER

By Shirley Keith
DEPUTY

File No.

T. R.

DUPLICATE

County.

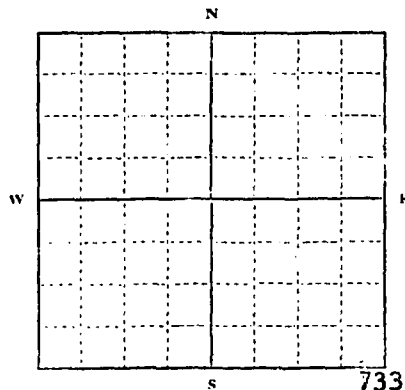
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 17 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Clyde Schreckengust, of Florence
(Name of Appropriator) (Address) (Town)
County of Ravalli State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. T. R.
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based stock, domestic, irrigation and other beneficial purposes.
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1900 - continuous since 1900.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). Sufficient water to irrigate the described premises herein, for domestic use and other beneficial purposes.
- 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. 733 acres SW 1/4 NE 1/4, NW 1/4 SE 1/4, W 1/2 SE 1/4, Sec. 11; SE 1/4 NW 1/4, SW 1/4 SE 1/4, Sec. 9; W 1/2 NE 1/4, E 1/2 NW 1/4, Sec. 16; N 1/2 NE 1/4, NE 1/4 NW 1/4, Sec. 15; E 1/2 SE 1/4, S 1/2 SW 1/4, Sec. 10; Lots 1-8, 17-28 & 30-40 Flr. Orc. Homes, Sec. 11; Lots 6-8, Blk 4 Sec. 14, all in Township 10N, Range 20 W. Clyde Schreckengust
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. pump and artesian

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. on or about 1900.
- 8. The depth of water table. variable from surface water to unknown depth.
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. sumps, seepage, springs, and sub-irrigation water (which description is all that is available).
- 10. The estimated amount of groundwater withdrawn each year. Unknown
- 11. The log or formations encountered in the drilling of each well if available. Not applicable.
- 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. It is the intention of the owner hereof to declare his vested interest in all groundwater necessary to carry out the purpose set forth in paragraph 2, hereinabove, for use on the above lands.

Signature of Owner Clyde Schreckengust
Date December 30, 1963

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

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

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

37453

2989

I certify that I received and filed this
instrument on this 31st
day of Dec. 1963, at 1:00
o'clock P.M.

F. G. Moore
COUNTY RECORDER

By Dwight Smith

File No. 1772

T 10 N. R. 20 W.

DUPLICATE

Ravalli County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 3 - 1963

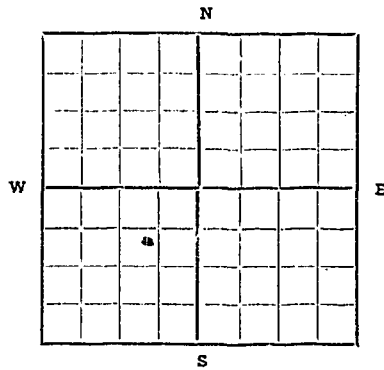
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Paul L. and Helen Trank of Florence
(Name of Appropriator) (Address) (Town)

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



NE 1/4 SW 1/4 Sec. 10 T. 10 R. 20W

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 house, lawn and garden water
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous use since Oct. 1, 1958
- 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 1 acre of lawn and garden owned by Paul and Helen Trank
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Household electric water pump

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

8. The depth of water table 16 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 Hand dug, 4 feet diameter, 18 feet deep.

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

11. The log of formations encountered in the drilling of each well if available 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 Helen Trank
Paul L. Trank
Date June 19, 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 School of Mines and Quadruplicate for the Appropriator.

I certify that I received and filed this
instrument on this 1
day of July, 1963, at 8:25
o'clock A.M.

F. Y. Moore
COUNTY RECORDER

By _____
DEPUTY

Fee \$2.00 Paid

File No.

T. D. No. R. 2012 Sec 11

DUPLICATE

County Richland

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.....)

Well located North of
Florence

0-10 Topsoil, Rock & Boulders

10-24'6" Dirt, Boulders Owner Jerold S. DePue

Address Florence, Montana

1522 S. 14th W.

24'6"-51'5" Dirt - Boulders Driller Glenn Camp

Address Missoula, Montana

(Trace of water at
51')

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

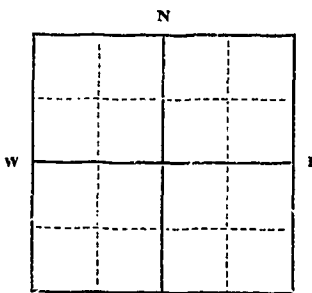
51'5"-55'6" Sand, Gravel Date well started November 5, 1968 Date completed November 8, 1968
Water.

Type of well Drilled Equipment used Churn Drill
(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" I.D.	5" I.D. 17 lb per ft.	6" above G.L.	55'	None		



Static Water Level for non-flowing well
Drawdown = 4' 59 feet.

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

Pumping Water Level 43' feet

at 45 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Test Pump

Length of Test 24 hours

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

Florence Orchard Homes
Lots 12 & 13, Block 1

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

License 7

Driller's License Number

Glenn Camp

Driller's Signature Glenn Camp

45,014

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.

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

Show exact depth of bottom.

(Continue on reverse side)