GROUNDWATER INDEX

County Lake Twp. 23N Rge. 20W.

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
3	DeVoe, Leslie C.	GW 2	163016	
3	Karlsgodt, H.T.	GW 2	172023	
3	Williams, Russell H.	GW 2	189997	
4	Fast, Mrs. Frances E.	GW 2	166358	
9	Sorenson, Herbert H. & June	GW 2	169128	
10	Mason, Charles E. & Judy L.	GW 2	167757	
10	Schile, S. John	GW 2	200226	
10	Thymor Enterprises	GW 2	207649	
10	Voorhees, Mary & Adelaide	GW 2	179660	
16	Bucher, Helen	GW 2	171000	
16	Grinde, J.R. & Marjorie	GW 4	162431	
16	Herried, Clarence R.	GW 3	163812	
16	Johnson, Marie	GW 2	163765	
16	McTimy, Harry E. & Maud B.	GW 4	160277	
16	Smith, Minnie M.	GW 3	160209	
16	Stimson, Gertrude E.	GW 3	161504	
18	Dosch, E.J.	GW 4	162737	
19	Johnson, Chester	GW 4	163174	
19	Johnson, Marie	GW 4	163176	
19	Johnson, Marie	GW 4	163175	
20	Anderson, Carl E. & Florence T.	GW 2	198024	
20	Johnson, Marie	GW 4	163177	
20	Kimmons, Mrs. N.C.	GW 2	153471	
20	Parker, Ellis E.	GW 2	167957	
21	Dixon, Chuck	GW 2	207120	
21	Lyons, Kenneth	GW 4	153487	
21	Lyons, Kenneth & Dorothea	GW 2	180555	
21	Metcalf, George & Bernice	GW 2	183590	
21	Prochnow, Frank W. & Grace	GW 2	180379	
21	Weber, Willett F. & Mildred	GW 4	160239	
27	Griffing, Charles & Frankie	GW 4	214844	
27	Bouton, H.B.	1957 Well Log	152971	
28	Anderson, C.J.	GW 2	210461	
28	Weivoda, Wallace	GW 2	202403	
29	Alexander, Herold & Doreen	GW 2	206881	
29	Anderson, James	GW 2	195104	
29	Hanson, Edwin A.	GW 2	167467	
29	Evjen, Arthur H.	GW 2	161259	
29	Hodge, Frank E. & Elma V.	GW 2	202363	
29	Hoffman, Larry	GW 2	200719	
29	Hulsing, Odean J. & Helen M.	GW 2	205836	
29	Kvande, Gordon & Jean	GW 2	190562	
29	McKay, Alvin	GW 2	194828	
29	Medland, Harry P. & Barbara	GW 2	186744	
29	Nohejl, Tony	GW 2	201157	
29	Reed, Homer G. & Jean A.	GW 2	198999	

County Lake Twp. 23 N. Rge. 20 W.

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
30	Evjin, Wayne	GW 2	201223	
30	Johnson, Gene	GW 2	201632	
30	Johnson, Marie	GW 4	163175	See Pg. #1, Sec. #19
30	Morigeau, Bernice	GW 2	201085	
30	Tu, Obert	GW 2	208494	
30	Welch, William G. & Jean K.	GW 4	163110	
31	Tower, Ralph R.	GW 4	163037	
32	Eid, Cyrel & Vera	GW 4	162656	
32	Groves, Donald	GW 2	208911	
32	Groves, Don	GW 2	170698	
32	Groves, Louis	GW 2	205771	
32	Harding, Warren G. & Ethel	GW 2	178173	
32	Kowalin, Anton	GW 2	162559	
32	Lucara, Francis & Sylvia	GW 2	203429	
32	Maddy, Mr. & Mrs. Robert E.	GW 4	183149	
32	Nyberg, Ed	1957 Well Log	138067	
35	Hanson, Sarah Jane	GW 4	162611	
35	Maclay, David J.	GW 4	163211	
35	Peterson, Vernon R. & Agnes S.	GW 3	162805	
35	Rader, W.L. & Nadine	GW 4	163123	
35	Venetz, Alice	GW 4	163057	
35	Worden, Henry O. & Tomme	GW 2	198956	
36	Mc Alpin, R.H. & L.L.	GW 3	163000	
	Fast, Vern H.	GW 2	166152	
32	Wetzel, W.C.	GW 2	190710	
28	Weber, Willitt T.	1959	141239	misfiled
29	Myers, Walter & Helen	GW2	200073	"
35	French, Richard L.	GW2	207860	
30	Carpenter, John A +	GW2	—	
	Seifert, Carl			
35	Holt, M. Wallace + Irene H.	GW2	210552	
16	Sawrey, Don	GW 4	162228	

GW 2

Approved Legal Form—State Publishing Co., Helena, Montana—38496

File No.....

DUPLICATE

RECEIVED MAY 20 1964 STATE ENGINEER

T. 23 N. R. 20 W.

County Lake

STATE OF MONTHA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JUN 3, 1964 STATE ENGINEER

Top of Ground

(Elev. above sea level 2899)

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

top soil and clay to 14 feet, clay and gravel from 14 to 15 feet. Solid rock at 15 feet.

Owner Leslie C. DeVoe Address Box 1190, Polson

Driller..... Address.....

Date of Notice of Appropriation of Groundwater Dec. 20, 1963

Date well started May 1962 Date Completed May 1962

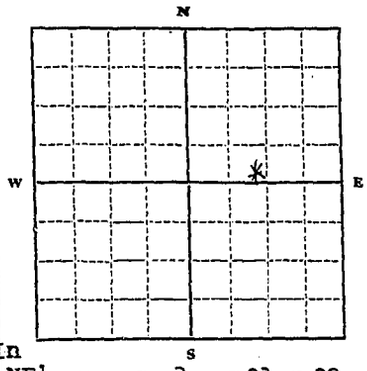
Type of well Dug (dug, driven, bored or drilled) Equipment Used Back hoe (Churn, drill, rotary or other)

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
10 ft square	27" 500 lb	surface	15 ft.			

Well located on lot 9 of block 10 of Saftey Bay Villa Sites.



In NE¼ ¼ Sec. 3 T. 23 R. 20

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

Show exact depth of bottom.

Static Water Level for non-flowing Well 10 feet.

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

Pumping Water Level 10 feet at 5 gal. per minute.

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

How Tested..... Length of Test.....

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

This well dug to 15 feet deep and 10 feet square. Used 27" well casing (concrete) perforated bottom section and filled rest of hole with washed gravel. Use only for house.

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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

19621

R-679 163016

Leslie C. DeVoe

to

The Public

STATE OF MONTANA
County of Lake,
Filed on the 30 day of Dec
A. D. 1963 at 4:10 o'clock P M
[illegible]
County Clerk and Recorder
By _____
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—42329

File No. .....

STATE WATER CONSERVATION BOARD
RECEIVED
SEP 10 1965

T. 23N R. 20W 3

DUPLICATE

County Lake

LOG REFERRED TO .....

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 Approx. 2928' .....)

Formation Log:

0 - 5	Broken rock mixed in black dirt
5 - 7	Fractured gray blue rock.
7 - 13	Blue rock.
13 - 17	Fractured brown rock.
17 - 168	Blue rock.
168 - 222	Gray rock.
222 - 241	Fractured blue rock.

Owner H. T. Karlsgodt ..... Address Polson, Montana .....

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 8/30/65 ..... Date completed 9/3/65

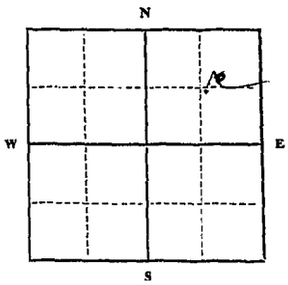
Type of well Drilled ..... Equipment used Air Rotary
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic [X] Municipal [ ] Stock [ ] Irrigation [ ]
Industrial [ ] Drainage [ ] Other [ ]

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

Water rises in the well 29 feet from surface.

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 ¼	+1	21	NONE		



Static Water Level for non-flowing well 29 feet.

Shut-in Pressure for Flowing Well Non-f

Pumping Water Level 84 feet

at 18 gal. per minute.

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

How Tested Air Lift Pump

Length of Test Five hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) Six inch hole was reamed to eight inch to twenty feet and six inch casing was grouted to this depth. Main flow of water is entering well through cracks and seams inth the rock between 222 and 241 feet. (Continue on reverse side)

Lot 1 & 2
Blk 4 E½NE
Safety Bay Villa
In 7 & 8 Karlsgodt's
Yards

¼ Sec. 3 T. 23N R. 20W

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

Show exact depth of bottom.

Bottom of hole 241'

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.

52
Driller's License Number

William F. Osborne
Driller's Signature

39570

R1007

172023

Well Report

H. J. Karlsgodt

to

The Public

RECEIVED TO

RECEIVED

SEP 1 1 1985

MONTANA NATURAL RESOURCES INFORMATION SYSTEM

STATE OF MONTANA } ss
County of Lake

Filed on the 8 day of Sept.

A. D. 1985 at 3:05 o'clock P M

HAZEL KINNICK
County Clerk and Recorder

By Eunice Cowman
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4855.

File No.....

T. 23 R. 20

DUPLICATE

County Lake

MONTANA WATER RESOURCES BOARD
RECEIVED
AUG 19 1969

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

LOG

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)

0-15 Clay, gravel and boulders

15-97 Gray rock with seams of clay

52 Static water level Water coming in between 92 and 95 feet

97 Bottom of hole

Owner Russell H. Williams Address ~~Ferndale~~ Shore Route Polson, Montana

Driller C.K.G. Drilling Address Box 670, Missoula

Date of Notice of appropriation of groundwater ----

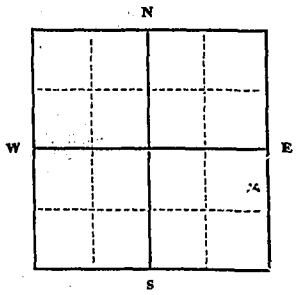
Date well started Oct. 5 1968 Date completed Jan. 10, 1969

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 ☐

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" 17#	1 up	15	---	---	---



Lot 10 Blk 4 Safety Bay Villa

~~NW 1/4 SE~~ Sec. 3 T. 23 R. 20

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

Static Water Level for non-flowing well 52 feet.

Shut-in Pressure for Flowing Well ---

Pumping Water Level 95 feet at 5 gal. per minute.

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

How Tested Bailer

Length of Test 3 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) There is only 15 feet of casing in the hole which has a total depth of 97 feet.

(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.

185
Driller's License Number

Charles Hollenstein
Driller's Signature.

45538

R- 1158

189997

WELL REPORT

RUSSELL H. WILLIAMS

TO

THE PUBLIC

STATE OF MONTANA }
County of Lake } ss

Filed on the 15 day of August
A.D. 1969 at 3:15 o'clock P M

ETHEL M. HARDING
County Clerk and Recorder

By Jewell Davis
Deputy

XXIII
2.00

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—38496

File No.....

T 23 N R 20 W

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 28 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level 2921)

19' of Boulders

71' of Solid Rock

Owner Mrs Frances E. Fast Address Polson Box 206

Driller Fred Morrison Address Pablo Mont.

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

Date well started June 3 Date Completed July 10, 1964

Water encountered in soft Rock at 48' to 50'

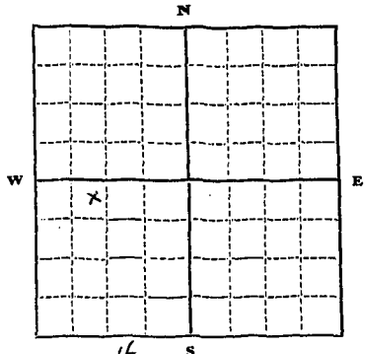
Type of well Drilled (dug, driven, bored or drilled) Equipment Used Churn (Churn, drill, rotary or other)

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

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

Water rises in Well 42'

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	7" O.D. 22 pounds foot	1' above ground level	19' below ground level			



NW ¼ NW ¼ Sec. 4 T 23 R 20

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

Static Water Level for non-flowing Well 48' feet.

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

Pumping Water Level 89' feet at 1½ gal. per minute.

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

How Tested Bailer Length of Test 1 Hour

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

90' Show exact depth of bottom.

No. 108
Driller's License Number

Fred Morrison
Driller's Signature

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

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

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

38324.

R-948

166358
Water Report
Francis E. Fast
to
The Public

STATE OF MONTANA }
County of Lake, } ss.
Filed on the 23 day of July
A. D. 1964 at 11:05 o'clock A M
HAZEL KINNICK
County Clerk and Recorder
By M. Kraus
Deputy

$2.00

GW 2

File No.....

T. 23 N R. 20 W

9

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
FEB 8 1965
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level Approx. 3000 ft.)

0 – 2 Black dirt and broken rock.
2 – 10 Dirty gravel and clay
10 – 35 Tan clay with a few scattered gravels imbedded
35 – 49 Tan silty clay and gravel mixed
49 – 55 Gravel mixed in tan clay. Water seeps.
55 – 62 Tan clay with some gravel imbedded
62 – 74 Tan clay with some thin gravel stringers. Seeps of water.
74 – 92 Gray rock. Seeps of water in cracks and seams.
92 – 105 Dark gray rock. Seeps of water in cracks and seams.

Water raises to 35' from surface.

Owner: Herbert H. and June S. Sorensen — Address: Box 65, Polson, Montana

Driller: Liberty Drilling Co. — Address: Missoula, Montana

Date of Notice of Appropriation of Groundwater: None filed

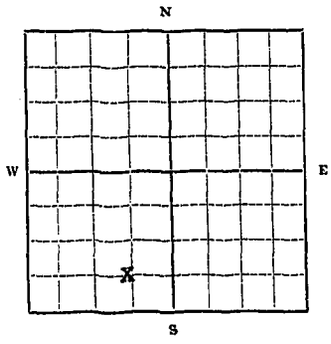
Date well started: 11/14/63 — Date Completed: 11/19/63

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

Water Use: Domestic [X] Municipal [ ] Stock [X] Irrigation [X] 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 5/8" OD X 17 #	+1	74'7"	None		



SE ¼ SW¼ Sec. 9 T. 23 R. 20W

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

Bottom of well 105' from surface.

Show exact depth of bottom.

Static Water Level for non-flowing Well 35' feet.

Shut-in Pressure for Flowing Well Non-flowing

Pumping Water Level 98' feet at 7 gal. per minute.

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

How Tested Bailer — Length of Test 14 hrs

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) All water entering well from rock strata from 74' to 105'.

52
Driller's License Number

William F. Osborne
Driller's Signature

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

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

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

38937

R 978

169128

Well Report
Herbert H. Sorenson
to
The Public

STATE OF MONTANA } ss
County of Lake
Filed on the 5th day of Feb
A. D. 19 65 at 3:30 o'clock P M
HAZEL KINNICK
County Clerk and Recorder
By E Courson Deputy

GW-2

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

File No.

T. 23N R. 20W 10

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED NOV 18 1964 STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground (Elev. above sea level Approx 2980)

0 - 1	Black Dirt
1 - 13	Tan silty clay.
13 - 15	Broken blue rock
15 - 58	Hard blue rock.
58 - 60	Yellow and white rock. Water in cracks & seams.
60 - 64	Blue & gray rock Water in cracks & seams.
64 - 66	Yellow & white rock.
66 - 87	Blue rock
87 - 89	Yellow & white rock. Water in cracks & seams
89 - 91	Gray rock.

Charles E. Mason

Owner Judy L. Mason Address Polson, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of Appropriation of Groundwater none filed

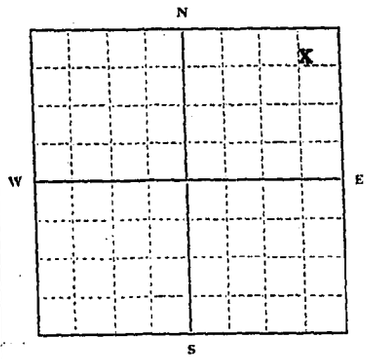
Date well started 8-19-64 Date Completed 9-17-64

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

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

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

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 17#	+1	23	N O N E		



NE ¼NE. Sec 10 T. 23N R. 20W
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 35 feet.

Shut-in Pressure for Flowing Well non-flowing

Pumping Water Level 86 feet at nine gal. per minute.

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

How Tested Pump Length of Test four hrs.

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) All water is entering well through cracks & seams in the rock below 58 feet.

Show exact depth of bottom.

Bottom of hole 91'

52
Driller's License Number

William F. Osborne
Driller's Signature

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

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

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

38664

R 910
167751
Well Report
Charles E. Mason
to
The Public

STATE OF MONTANA
County of Lake
Filed on the 16 day of Nov
A. D. 1964 at 3:00 o'clock P M
HAZEL KINNICK
County Clerk and Recorder
By E. Cowman
Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

MONTANA WATER RESOURCES BOARD
RECEIVED
SEP 24 1971

23N-20W 10
County Lake

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 S. John Schile

Address Kings Point

Polson, Montana

Date well started 4/16/71

completed 4/21/71

For Administrator's Use
File 200276
September 23, 1971
1:10 PM
GW 1

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

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

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

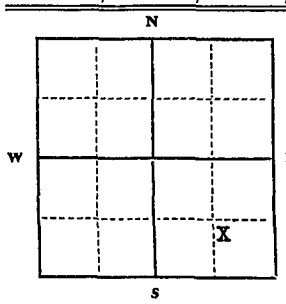
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*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 7,884,000 Gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8"	6 5/8" OD by 1/4"	+2	84'4"	NONE		



SE ¼ SE ¼ Sec. 10
T. 23 N R. 20 ~~X~~ W

Static water level 7 ft.*
Pumping water level 147 ft.*
at 15 gallons per minute,
measured 180 minutes after pumping began.
*Measured from ground level.
Well developed by Air Lift Pump
for 2 hours.
Power Diesel Pump 150 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) Annulus between six inch casing and eight inch hole is grouted from 20'5" back toward surface with five sacks of cement. (con't)

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

LIBERTY DRILLING COMPANY

Driller's Signature William F. Dahme

Driller's Address 2500 Reserve

Missoula, Montana LICENSE NO. 52

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) 2,893'

From (Feet)	To (Feet)	
0	1	Topsoil
1	23	Dark gray broken rock
23	41	Tan, brown and dark gray rock in thin alternate layers
41	47	Dark gray rock
47	61	Tan, brown and gray rock
61	64	Dark gray rock
64	83	Tan, brown and gray rock
83	105	Light gray and dark gray rock in thin alternate layers
105	107	Tan and brown rock
107	117½	Gray rock
117½	119	Tan, brown and gray rock, Seeps
119	124	Tan and gray rock
124	128	Tan and brown broken rock
128	157	Dark gray rock
157	160	Tan, brown and gray rock
160	236	Dark gray rock
236	237½	Tan, brown and gray rock, some white quartz
237½	270	Dark gray rock
270	277	Tan, brown and gray rock
277	281	Dark gray rock
281	284	Dark brown, rock 12 GPM
284	289	Dark gray rock.
		Total 15 GPM

289' Show exact depth of bottom

Water rises in well seven feet from surface.

49127

Con't: All water entering well from cracks and seams in the rock below 284 feet.

Note: Wells in this area can be depended upon to 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 40 to 50 percent of the tested capacity of the aquifer.

R-1291

WELL REPORT

S. JOHN SCHILE

TO

THE PUBLIC

STATE OF MONTANA } ss
County of Lake

Filed on the 23 day of [illegible]

A. D. 19[illegible] at 10 o'clock [illegible] M.

ETHEL M. HARDING
County Clerk and Recorder

By [illegible]
Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
JAN 19 1973

23N-20W
County Lake
10

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: Thymor Enterprises

Address: Shoreline Road, Polson, Montana

Date well started: 6/24/71

completed: 6/25/71

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

Equipment used: Air Rotary (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☒

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*Describe

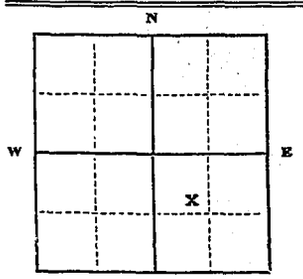
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition). Lot 1B - Lot 1, Block 16, Safety Bay Villa Site

ESTIMATED ANNUAL WITHDRAWAL: 13,140,000 gallons

For Administrator's Use
File R-1409 #202549
January 17, 1973
GW 1 355 p.m.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8"	6⅝"OD x ¼"	Plus 2	40'2"	N O N E		

A rubber packer is attached to bottom of six inch casing. Annulus between six and eight inch pipe is grouted with five sacks of cement.



NW ¼ SE ¼ Sec. 10
T. 23 N R. 20 E/W

Static water level: One ft.*
Pumping water level: 63' ft.*
at 25 gallons per minute,
measured 150 minutes after pumping began.
*Measured from ground level.
Well developed by: Air Lift Pump
for 2½ hours.
Power: Diesel Pump: 150 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well from cracks and seams in the rock below 95 feet. Wells in this area can be cont'd

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

Driller's Signature: LIBERTY DRILLING COMPANY
W. D. Osborne

Driller's Address: 2500 Reserve
Missoula, Montana

LICENSE NO. 52

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) 2920'

From (Feet)	To (Feet)	
0	1	Broken rock & topsoil
1	43	Light gray & dark gray rock in alternate layers
43	44	Brown rock
44	48	Dark gray rock
48	60	Light gray rock
60	64	Dark gray rock
64	95	Tan, brown & gray rock
95	139	Dark gray rock
139	146	Tan, brown & gray rock
146	154	Dark gray rock
154	158	Tan, brown & gray rock
158	159	Dark gray rock.
		Total 25 GPM

159' Show exact depth of bottom

Water rises in the well one foot from surface.

52,256

depended upon to 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.

R- 1409

#207549

THYMOR ENTERPRISES

TO

THE PUBLIC

STATE OF MONTANA } ss
County of Lake

Filed on the 17 day of Jan
A. D. 19 73 3:55 o'clock P M
ETHEL M HARDING
County Clerk and Recorder
By Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—42329

File No. ..... STATE WATER CONSERVATION BOARD T. 23N R. 20W

TRIPLICATE MAY 5 1967 County Lake

LOG Bills ..... McDermott ..... STATE OF MONTANA
Butte ..... McNally ADMINISTRATOR OF GROUNDWATER CODE
Coyle ..... Merton ..... OFFICE OF STATE ENGINEER
Sullivan .....

Top of Ground Approx.
(Elev. above sea level 19 ft.)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Mary M. Voorhees & Adelaide Voorhees Address Polson, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 4/22/67 Date completed 4/27/67

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

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

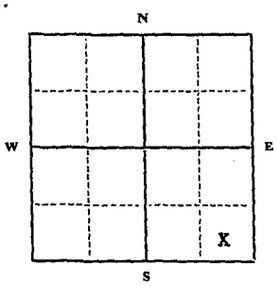
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Formations Log:

0 - 1 White dirt.
1 - 4 Broken rock mixed in white dirt.
4 - 48 Hard blue rock.
48 - 54 Broken tan & gray rock. Seeps of water.
54 - 123 Dark gray rock.
123 - 127 Light gray rock.
127 - 131 Broken tan & brown rock. 6 GPM
131 - 142 Light gray rock.
142 - 148 Broken tan & brown rock. 6 GPM

Water rises in the well 19 feet from surface.

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 ⅛"	+1	23	NONE		



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

SE¼ Sec. 10 T. 23N R. 20W

Static Water Level for non-flowing well 19 feet.

Shut-in Pressure for Flowing Well Non-f

Pumping Water Level 70 feet at 12 gal. per minute.

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

How Tested Air Lift Pump

Length of Test Six hour

Remarks: (Gravel packing, cementing, packers, type of shutoff) A 6 5/8 inch hole was drilled from 23 ft. to 148 ft. 6 5/8 inch OD by ⅛ inch wall Black Steel Water Well casing was firmly seated and cemented in the rock from 23 feet back to surface. All water entering the well is coming through the cracks & seams in (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.

Bottom of hole 148'

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.

52
Driller's License Number

William F. Osborne
Driller's Signature

46,960

the rock below 127 feet.

R 1063

17966

Neal Leopard
Mary M. Yearkes
Adelaide Yearkes
To
The Public

STATE OF MONTANA } ss
County of Lake

Filed on the 3 day of May
A. D. 1967 at 4:15 o'clock P M
ETHEL M. HARDING
County Clerk and Recorder
By Eunice Eirman
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—42325

File No.....

T. 23 N R. 20 W 16

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JUN 21 1965 STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Helen Bucher Address Polson, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None-filed

Date well started 5/25/65 Date completed 5/31/65

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

Water use: Domestic [X] Municipal [ ] Stock [ ] Irrigation [X] Industrial [ ] Drainage [ ] Other [ ]

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

Top of Ground

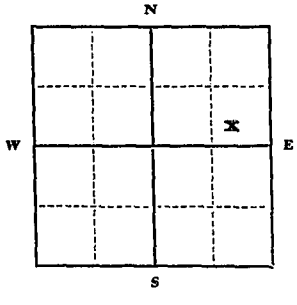
(Elev. above sea level Approx. 2932')

Formation Log:

0 - 1 Black dirt.
1 - 60 Tan silty clay with a few gravels imbedded.
60 - 68 Broken green & gray rock with tan clay in crakk & seams
68 - 92 Green & gray rock. Seeps of water.
92 - 104 Green & yello rock. Seeps of water.
104 - 114 Green & yello broken rock.
114 - 117 Hard gray rock.

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 ¼ inch	+1	86½	5 9/16 OD shop perforated	84	117

Water rises in well 26 feet from surface.



NW¼ NE Sec. 16 T. 23 R. 20

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

Static Water Level for non-flowing well 26 feet.

Shut-in Pressure for Flowing Well Non-f.

Pumping Water Level 66 feet at 25 gal. per minute.

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

How Tested Bailer

Length of Test Four hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water is entering well through slots in the perforated liner between 104 & 114 ft.

(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.

Bottom of hole 117'

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.

52
Driller's License Number

William F. Delhome
Driller's Signature

39235

R996

171000

Well Report

Helen Bucher

To

The Public

STATE OF MONTANA }
County of Lake } ss

Filed on the 18 day of June

A. D. 1965 at 10:30 o'clock 9 M

HAZEL KINNICK

County Clerk and Recorder

By E. Cowman

Deputy

23N 120W 16

Approved Stock Form—State Publishing Co., Helena, Montana—38687

File No.....

DUPLICATE

T. 23 N R. 20 W.

County Lake

RECEIVED DEC 13 1963 STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

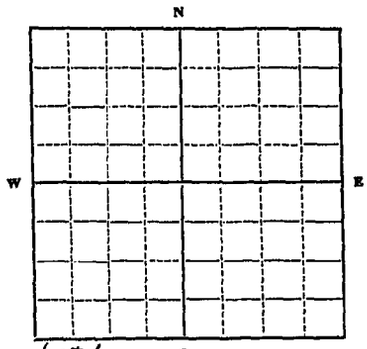
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. J. R. Grinde and Marjorie A. Grinde, husband and wife, of Box 128 Polson, Montana
(Name of Appropriator) (Address) (Town)

County of Lake State of Montana

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



PART Lot 1 W PART NE¼NE¼

¼ Sec. 16 T23 R20

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 house use, garden and yard use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been continuous since 1956.

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 Lots 3, 4 and 5, Grinde Villa, Lake County, Montana

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Deep well pump. Lot 4, Grinde Villa in Section 16, T. 23 N, R. 20W

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1956

8. The depth of water table 28 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 85 foot well - 6 inch casing, with deep well pump.

10. The estimated amount of groundwater withdrawn each year 175M gallons

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 Marjorie A. Grinde

Date November 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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

8913

R 335

162431

Water Report

J R & Marjorie Grunde

to

The Public

STATE OF MONTANA }
County of Lake, } ss

Filed on the 10 day of Dec

A. D. 196 3 at 9:40 o'clock 9 M

HAZEL KINNICK

County Clerk and Recorder

By E. Coleman Deputy

2.00

GW 5

Approved Stock Form—State Publishing Co., Helena, Montana—42262

16

File No.....

T. 23N R. 20W

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 24 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....

Owner..... Address.....

Contractor (if any) .....

Address of Contractor .....

Date Started..... Date Completed.....

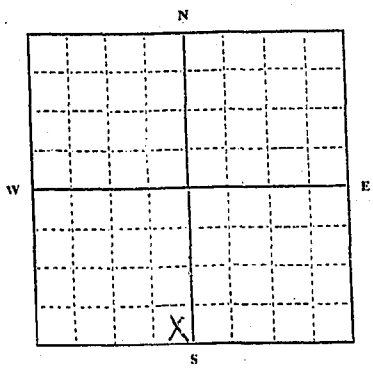
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.....

.....

.....

.....

.....



SE¼SW¼..... Sec. 16 T. 23 R. 20

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

Lot 3 Block 1 Sunny Shore Villa

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.....

.....

Water used for household only

Pumped with small pressure pump

.....

Signature of Owner.....Clarence R. Herreid

Date.....Jan 15 1964

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.

33794

R 923

163812

Clarence R. Herried

To

The Public

STATE OF MONTANA } ss
County of Lake,
Filed on the 17 day of Jan.
A. D. 1964 at 11:45 o'clock A M
HAZEL KINNICK
County Clerk and Recorder
By Mae Johnson
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—3908

File No.....

T. 23 N R. 20 W

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 17 1964
STATE ENGINEER

Top of Ground
(Elev. above sea level Approx. 3300')

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

0 - 3	Black dirt and scattered broken rock.
3 - 96	Green to tan argillite. Somewhat cracked and broken.
96 - 104	Broken green argillite. Water. Water rises to 88' feet from surface.
104 - 123	Broken and shattered green argillite. Cracks and seams filled with white talc like material.

Owner Marie Johnson Address Box 554 Polson, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

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

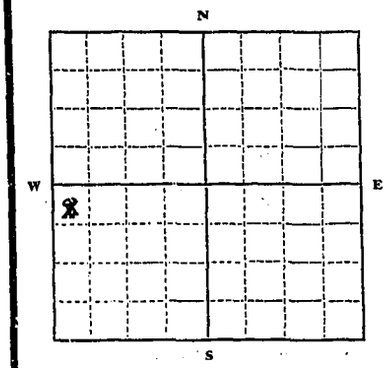
Date well started 11/30/62 Date Completed 12/26/63

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6 in	6 5/8" OD X 19 # pr ft	+1½	32'7"	NONE		
	5½" OD X 14 # pr ft	0	123'	3/8"X 3½"	85'	123'



NW¼NW¼SW¼ 16 T. 23N R. 20W
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

NW¼NW¼SW¼ Sec 16 Twp 23N Rnd 20W

Show exact depth of bottom.

Bottom of well 123'.

Static Water Level for non-flowing Well 88 feet.

Shut-in Pressure for Flowing Well Non-flowing

Pumping Water Level 117 feet at 8½ gal. per minute.

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

How Tested Bailer Length of Test 5 hrs

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)

Marie Johnson

52
Driller's License Number

William F. Osborne
Driller's Signature

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

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

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

3717

R-918 163765

Water Report

Marie Johnson

To

The Public

STATE OF MONTANA } ss.
County of Lake,
Filed on the 14 day of Jan.
A. D. 19 64 at 3 o'clock P M
HAZEL KINNICK
County Clerk and Recorder
By Mae Johnson Deputy

Approved Stock Form—State Publishing Co., Helena, Montana—39089

16

File No.....

T. 23 N R. 20 W

DUPLICATE

County LAKE

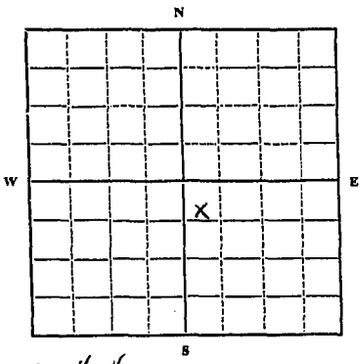
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 5 - 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Harry E. and Maud B. McIlroy, of Ronan,
(Name of Appropriator) (Address) (Town)
County of Lake State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Nw 4 Nw 4 Ne 4 Sec. 16 T 23N 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 Residence water supply & irrigation of aprox 4 3/4 acres

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Aug. 11, 1960, continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) ten gallon 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 Lots 3 and 4 of Sunny Shore Villa

Harry E. & Maud B. McIlroy, owners.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started Aug 2, 1960 completed August 10, 1960

8. The depth of water table 84 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 with 7 inch casing 84 feet deep

10. The estimated amount of groundwater withdrawn each year

11. The log of formations encountered in the drilling of each well if available 0 - 3 Topsoil and loose rock; 3 - 15 Clay and loose rock; 15 - 23 Broken gray rock; 23 -43 Broken grey Argilite; 43 - 51 Broken Blue rock; 51 - 57 Gray Argilite; 57 - 61 Broken blue rock; 61 - 73 Gray rock; 73 -83 Broken gray-green rock.

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 Maud B. McIlroy
H. E. McIlroy

Date July 1, 1963

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

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

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

4909

R-177

76 0277

Water Report
Stanley Maud B
The Idroy
to
The Public

STATE OF MONTANA } ss
County of Lake,
Filed on the 2 day of July
A. D. 1963 at 4:50 o'clock P M
HAZEL KINNICK
County Clerk and Recorder
By M. Kraus Deputy

2nd

23N - 20W 16

Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No.

T. ~~20~~ N R. ~~20~~ W

DUPLICATE

County Lake

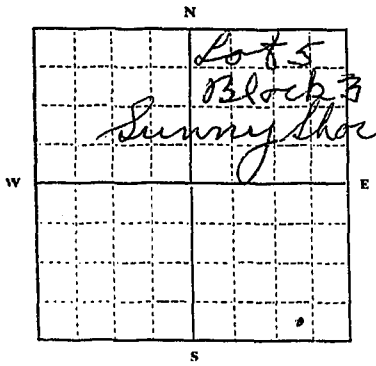
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED DEC 3 1963 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Dan & ~~Velma~~ Sawey Sawy, of Polson
(Name of Appropriator) (Address) (Town)
County of Lake State of Mont.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



.....¼..... 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 Household use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 1960 Continuous use since drilling

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 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 Household use only.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 16 - Completed July 21

8. The depth of water table 64 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 in casing

10. The estimated amount of groundwater withdrawn each year 20000 gal.

11. The log of formations encountered in the drilling of each well if available 5 ft black soil the balance solid rock.

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 Dan Sawey

Date 11-29-63

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

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

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

7704

R 305

162228

Water Report

Dan Sawey

to

The Public

STATE OF MONTANA } ss
County of Lake,
Filed on the 29 day of Nov
A. D. 1963 at 2:40 o'clock P M
HAZEL KINNICK
County Clerk and Recorder
By E. Cowma
Deputy

W 3

Approved Stock Form—State Publishing Co., Helena, Montana—38496

16

File No.....

T. 23 N R. 20 W

DUPLICATE

County Lake

RECEIVED
JUL 1 - 1963
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 6-27-63

Owner Minnie M. Smith Address Polson Shore Line Rte

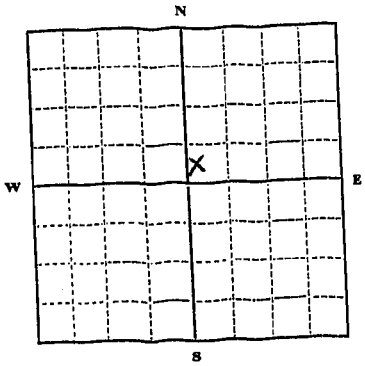
Contractor (if any) .....

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

Spring



SW4 NE ¼ Sec. 16 T23 R20

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 all year

Garden, house, fruit trees, house yard.

Uses all of output during summer.

Signature of Owner Minnie M. Smith

Date 6-27-63

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

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

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

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

4846.

R172

160209

Water Report

Minnie M. Smith

to

The Public

STATE OF MONTANA }
County of Lake, } ss

Filed on the 27 day of June

A. D. 1963 at 11:30 o'clock A M

HAZEL KINNICK

County Clerk and Recorder

By E. Cowman

Deputy

200

JW 3

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

File No.....

T 23 N R 20 W

DUPLICATE

County LAKE

RECEIVED
OCT 21 1963
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater June 14th 1950

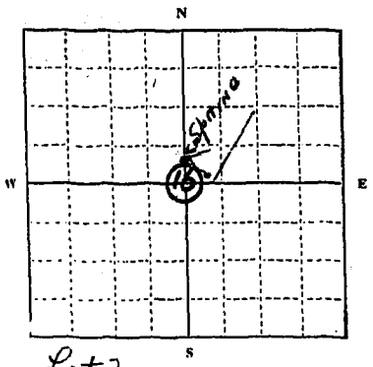
Owner Gertrude E Stimson Address Polson Montana

Contractor (if any) None

Address of Contractor None

Date Started 6-14-1950 Date Completed 6-14-1950 & added to later

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Sub irrigation and other natural processes & by wooden and steel cribbing, ditches and pipe



Lot 2 ¼ Sec. 16 T. 23 R. 20

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. Household and yard use estimated sufficient for Lot Two (2) of Section Sixteen (16) in Township Twenty-three (23) North of Range Twenty (20) West, Lake County, Montana, containing 24.54 acres, more or less.

Signature of Owner Gertrude E. Stimson

Date October 10, 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.

6503

R-260

161504

Water Report

Gertrude E. Stenson

to

The Public

STATE OF MONTANA }
County of Lake, } ss.
Filed on the 14 day of October
A. D. 19 63 at 9:38 o'clock AM
HAZEL KINNICK
County Clerk and Recorder
By D. Knaus
Deputy
$2.00

GW

Approved Stock Form—State Publishing Co., Helena, Montana—41338

File No.....

T. 23 N R. 20W

DUPLICATE

County Lake

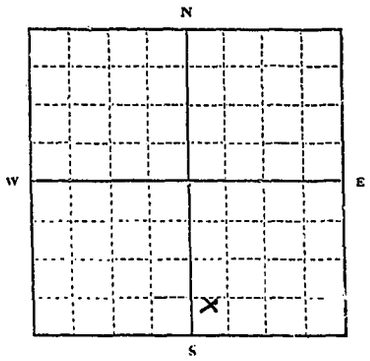
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 27 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. F. J. Desch, of 120 8th Ave. West, Kalispell
(Name of Appropriator) (Address) (Town)
County of Flathead State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE ¼ of Sec. 18 T. 23 R. 20

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, irrigation, livestock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been January 1, 1947 continuous ever since then.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) five 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 10 acres where the well is located Owner F. J. Desch

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump. Location in the SW 10 acres of the SE¼ of Sec. 18, Twp. 23 NR 20W, Lake County, Montana

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commencement September 1, 1946. Completion December 1, 1946

8. The depth of water table Water was found at 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 type-drilled, size 7 inch outside diameter of the casing. Depth 200 feet.

10. The estimated amount of groundwater withdrawn each year 700,000 gallons a year

11. The log of formations encountered in the drilling of each well if available 30 feet dirt and rock. next 70 feet dirt, clay, and boulders; next 80 feet clay and rock; next 20 feet sandstone.

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 record

Signature of Owner F. J. Desch

Date December 23, 1963

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

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

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.

13470

R-456

162737

Water Report

J. J. Desch

to

The Public

STATE OF MONTANA } ss.
County of Lake,
Filed on the 26 day of Dec
A. D. 1963 at 9:12 o'clock A M
HAZEL KINNICK
County Clerk and Recorder
By C. Cowman
Deputy

GV

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

File No.....

T. 23 N R. 20 W 19

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

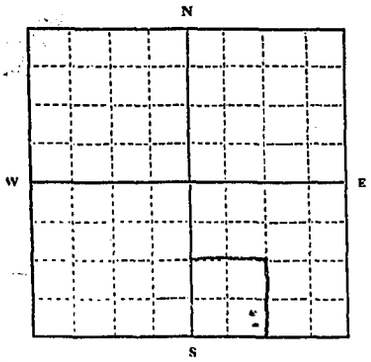
RECEIVED JAN 6 1964 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Chester Johnson, of Box 70 Route Polson
(Name of Appropriator) (Address) (Town)

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



SW¼ SE¼ Sec. 19 T. 23 R. 20

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

2. The beneficial use on which the claim is based stock water and domestic and yard irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been over 40 years--continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) electric pump from well 1" discharge 10 gallons per minute; spring flow estimated as 6 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 owners land in SW¼SE¼ Sec. 19, T 23, R 20, yard and garden irrigation only

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump at well head; natural flow from spring (gravity) piped to stock water tank

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater unknown, well over 40 years ago

8. The depth of water table about 8 feet

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

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

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

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

Signature of Owner Chester Johnson

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.

24329

R-828 163174

STATE OF MONTANA
County of Lake,
Filed on the 31 day of Dec
A. D. 1965 at 4 N o'clock P. M
D Krumick
County Clerk and Recorder
By _____
Deputy

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

19

File No.....

T. 23 N R. 20 W

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

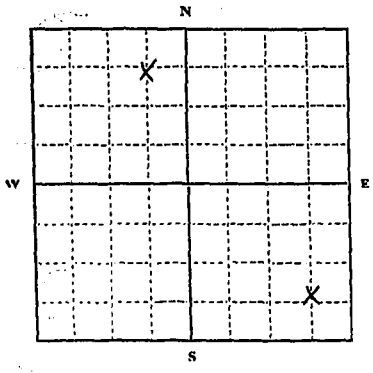
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. MARIE JOHNSON, of Polson
(Name of Appropriator) (Address) (Town)

County of Lake State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1961, as follows:



SE ¼ SE ¼ Sec. 19 T. 23 R. 20

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

NE ¼ NW ¼ Sec. 19 T23 R20

2. The beneficial use on which the claim is based stock water & irrigation (overflow)

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1956; continuous use since 1956

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 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 approx. 3 acres in SE¼SE¼ and 3 acres in NE¼NW¼ Sec. 19, 23,20 irrigated with overflow from two springs; owned by appropriator

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal gravity feed from spring reservoir; one barrel lined, one concrete lined

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1956

8. The depth of water table not known

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 spring reservoirs, and barrel lined, one concrete lined, piped to stock watering tanks, gravity feed; overflow distributed as irrigation water

10. The estimated amount of groundwater withdrawn each year 600,000 gallons per year

11. The log of 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 not applicable

Signature of Owner Marie Johnson

Date December 31, 1963

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

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

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

24331

R-830 163176

STATE OF MONTANA
County of Lake,
Filed on the 3 day of Dec
A.D. 1965 at 1:7 o'clock P.M.
S Krumrik
County Clerk and Recorder

GV

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

19/30

File No.

T. 23 R. 20

DUPLICATE

County Lake

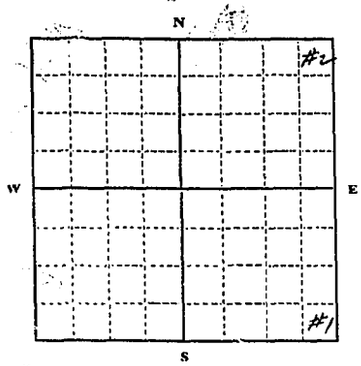
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. MARIE JOHNSON, of Polson
(Name of Appropriator) (Address) (Town)
County of Lake State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



#1
SE 1/4 SE 1/4 Sec. 19 T. 23 R. 20

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

#2
NE 1/4 NE 1/4 Sec. 30 T 23 R 20

2. The beneficial use on which the claim is based domestic purposes and stock water,

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1927; two wells in continuous use since 1927

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 gallons per minute per well (gravity feed through 1" pipe to house and barn

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 gravity feed through 1" pipe

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1927

8. The depth of water table about 6 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 2 wells each about 8 feet in depth and three feet in diameter, cement lined, wells on elevation higher than house and barn

10. The estimated amount of groundwater withdrawn each year 350,000 gallons

11. The log of 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 not applicable

Signature of Owner Marie Johnson

Date December 31, 1963

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

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

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

24330

R-839 163175

STATE OF MONTANA }
County of Lake, } ss
Filed on the 31 day of Dec
A.D. 19 63 at 4:56 o'clock P.M
[illegible]
County Clerk and Recorder
By .....
Deputy

23N-20W

County Lake

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

APR 20 1971

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 Carl E. and Florence T. Anderson

Address General Delivery
Polson, Montana

Date well started 1/18/71

completed 1/20/71

For Administrator's Use
File 198024 April 16, 1971 4:25 p.m.
GW 1

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

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

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☒

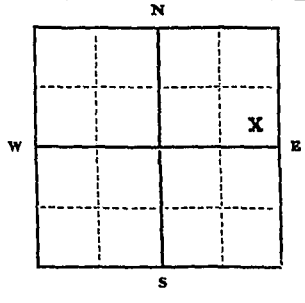
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*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). Sunrise Subdivision, West Shore Highway, Polson, Montana

ESTIMATED ANNUAL WITHDRAWAL 300,000 gallons

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 by ⅛"	+2	40'6"	N O N E		



SE ¼ NE ¼ Sec. 20
T. 23 N/S R. 20 E/W

Static water level 89 ft.*
Pumping water level 125 ft.*
at 30 gallons per minute,
measured 5½ hours after pumping began.
*Measured from ground level.
Well developed by Air Lift Pump
for 5½ hours.
Power Diesel Pump 150 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through cracks and seams in the rock below 138 feet. Annulus cont.

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

Driller's Signature LIBERTY DRILLING COMPANY
William J. Delaney

Driller's Address 2500 Reserve Street
Missoula, Montana LICENSE NO. 52

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) Approx. 3020'

From (Feet)	To (Feet)	
0	1	Topsoil.
1	14	Tan clay and gravels.
14	32	Green rock.
32	50	Gray rock.
50	61	Green rock.
61	98	Gray rock.
98	108	Green rock.
108	138	Gray rock.
138	150	Green rock. Seeps of water.
150	162	Gray rock. Water.

162 ft Show exact depth of bottom

Water rises in well 89 feet from surface.

48368

between six inch casing and eight inch hole is grouted from 40'6" back toward surface with six sacks of cement. Wells in this area can be depended upon to 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.

R- 1257

19 8024

WELL REPORT

CARL E. & FLORENCE T. ANDERSON

TO

THE PUBLIC

STATE OF MONTANA } ss
County of Lake

Filed on the 16 day of April
A.D. 19 71 at 4:25 o'clock PM

ETHEL M. HARDING
County Clerk and Recorder

By [illegible]
Deputy
250

G

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

File No.....

T. 23 N R. 20 W

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

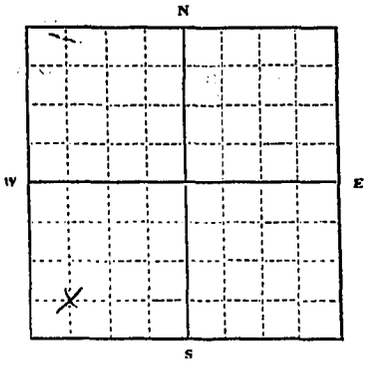
RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. MARIE JOHNSON, of Polson
(Name of Appropriator) (Address) (Town)

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



SW 1/4 SW 1/4 Sec. 20 T. 23 R. 20

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

2. The beneficial use on which the claim is based stock water & irrigation

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) undivided 1/3 interest in flow of 3 springs estimated at 6 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 approx. 10 acres grazing land in SW¼SW¼ Sec. 20, T 23, R 20 irrigated by overflow; appropriator has undivided 1/3 interest in land

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal perculating springs, gravity feed to stock watering tank; overflow distributed as irrigation water

7. The date of commencement and completion of the construction of the well, -wells, or other works for withdrawal of groundwater 1960

8. The depth of water table not known

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 three springs, natural flow piped to stock water tank

10. The estimated amount of groundwater withdrawn each year entire flow estimated as 200,000 gallons per year

11. The log of 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 not applicable

Signature of Owner Marie Johnson

Date December 31, 1963

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

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

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

24332

R831 163177

STATE OF MONTANA } ss
County of Lake,
Filed on the 31 day of Dec
A. D. 1963 at 1:50 o'clock P M
[illegible]
County Clerk and Recorder

By _____ Deputy

GW 2

File No.....

T 23 N R 20 W

DUPLICATE

County LAKE

Water Flows over top of Well

-2' cased above ground

Top of Ground

(Elev. above sea level 2920')

0-1 Topsoil

1-16 Tan clay

16-31 Tan clay with some scattered gravel imbedded

31-48 Broken Rock, gravel and boulders imbedded in gray clay

48-66 Fine silty sand. Some water

66-75 Gray silty clay with some gravel imbedded.

75-94 Broken Rock gravel & boulders imbedded in gray clay

94-105 Gray Sandy clay

109' Bottom

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED 1962 STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Mrs. N.C. Kimmons Address 1250 N. State Pkwy Chicago 10, Ill.

Driller Liberty Drilling & Pump Co. Address Box 830 Misla, Mont.

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

Date well started Jan. 3, 1962 Date Completed Jan. 26, 1962

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 ☐

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 5/8" x 24#	+ 2'	3' 8"	None		
6"	7" x 28#	3' 8"	109'	None		

Static Water Level for non-flowing Well Flowing well feet.

Shut-in Pressure for Flowing Well 18#

Pumping Water Level 60 feet at 200 gal. per minute.

Discharge in gal, per min. of flowing well 18 to 150 GPM ft varies —

How Tested Air Lift Pump Length of Test 4 hours pump 10 days Flowing

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) Driller does not know the number of acres owner intends to irrigate with well —

N
W E
S
WELL

SW ¼ SE ¼ Sec. 20 T 23 N R 20 W

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

Show exact depth of bottom.

105'-109' Sand and gravel - Artesian flow of water —

52
Driller's License Number

Liberty Drilling & Pump Co.
William F. Osborne
Driller's Signature

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

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

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

1377.

153471

Notice of Completion
Carolyn Rimmins
to
The Public

STATE OF MONTANA }
County of Lake. } ss.
Filed on the 5 day of Feb.
A. D. 1962 at 2:30 o'clock P M
Hazel KINNICK
County Clerk and Recorder
By G. Cowman
Deputy

200

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—3931

File No.....

DUPLICATE

RECEIVED DEC 1 1964 STATE ENGINEER

T. 23 N R. 20 W 7.0

County Lake

RECEIVED NOV 20 1964 STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Well on West lake shore 5M. W. of Polson

Owner Ellis E. Parker Address 420 Dixon, Missoula

Driller Glenn Camp 705 Alder Address Missoula, Montana

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

Date well started 10/3/64 Date Completed 10/28/64

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

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

Top of Ground

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

0 to 42' Clay
42' to 61' Clay & gravel
61' to 64' Gravel & water (8 to 10 G.P.M.)
64' to 71' Clay & gravel
71' to 78' Sandy grey clay & gravel
78' to 84' Clay, gravel & red silt
84' to 94' Red clay & gravel
94' to 112' Br sandy clay & gravel
112' to 145' Red clay & gravel
145' to 170' Yellow clay & gravel
170' to 189' Br clay & gravel
189' to 193' Gravel & water (4 G.P.M. with clay)
193' to 236' Red clay & gravel 236' to 237' Gr clay & gravel water (13G.P.M.)

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8"	8" I.D. 28.55 # to foot	14" above G.L. to 237'-6"		Mills knife	62'	64'
					191'	193'
					231'	232'
				56 holes total		

Static Water Level for non-flowing Well 1' above G.L. feet.

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

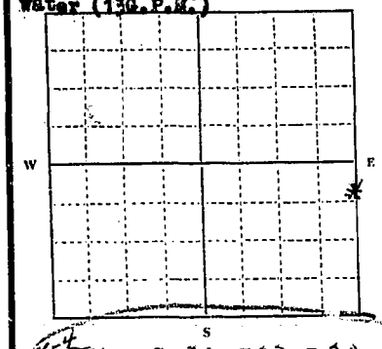
Pumping Water Level 200' feet at 23 gal. per minute.

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

How Tested Bailer 1 hour Compresser Length of Test 13 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).....

Location ?



NE SE¼ Sec. 20 T. 23 R. 20

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

Show exact depth of bottom.

Licence # 7
Driller's License Number

Glenn Camp
Driller's Signature

Note

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.

The Co Clerk & Recorder will send the forms to those listed below.

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.

38739

PROPERTY DESCRIPTION:

Lots 6 & 7 Mountain View Villa Sites, Lake County, Montana on Flathead Lake (10 acres more or less)
Subdivided into 13 villa tracts and renamed MOUNTAIN VIEW TERRACE.

STATE OF MONTANA,
County of Lake.
Filed on the 30 day of November
A. D. 1964 at 9:45 o'clock A. M.
HAZEL KINNICK
County Clerk and Recorder
By Mae Johnson
Deputy

167957

Wall Report
Ellis E. Parker
To
The Public

P-966

Lot [illegible] Block 2-Mountain View Vi[illegible]

T. 23 N R. 20W Sec. 20 or 21

County Lake

RECEIVED
JUN 12 1959
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Willett F Weber Address 327 South LaSalle Chicago 4, Ill.

Driller Glenn Camp Address 705 Alder Missoula, Mont

Date Started May 12, 1959 Date Completed May 20, 1959

Location: Sec. ..... T. ..... R. ..... ¼ sec. .....

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

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

Industrial [ ] Drainage [ ] Other: .....

Casing: 0 ft. to 44 ft. Type 6 lb Standard Seamless Size 6" ID

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

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

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

Type of screen or perforations None

Static Water level, for non-flowing well: 23' from ground level feet.

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

Pumping water level 36 feet at 16 gal. per min.

How tested: Bailer

Length of test 3 hours

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

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	1	top soil
1	44	Clay
44	46	broken rock and Water. 2' of
		Open hole

Weber, Willet J

to

Public

14 1239

water well Log

STATE OF MONTANA } ss
County of Lake

Filed on the 11 day of June A.D. 19 59 at 9:52 A.M.

RECORD KEPT IN OFFICE

County Clerk and Recorder

By Vera Pearson Deputy

Fee

GW 2

RECEIVED

DEC 21 1972

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

Approved Stock Form—State Publishing Co., Helena, Montana—42329

File No.

T. 23 N R. 20 W

DUPLICATE

County LAKE

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 2913)

0 - 6 Topsoil & Gravel

6 - 180 Blue, green, & purple rock

180

Show exact depth of bottom.

Owner Chuck Dixon Address Polson, Montana

Driller Joe Johnson Drilling Address Terry, Montana

Date of Notice of appropriation of groundwater

Date well started 10/4/69 Date completed 10/7/69

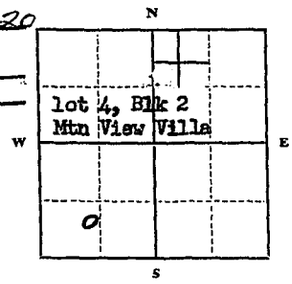
Type of well Drilled (Dug, Driven, bored or drilled) Equipment used Rotary (Churn drill, rotary or other)

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7 7/8"	6" ID 18.97#/ft.	+1	160	slots 1/8 x 6	140	160
6"	None	160	180			

Doc. No. R-42444 207120
Filed for record
this 20th day of Dec
A. D. 19 72, at 8:30
o'clock A M.



SW¼ SW¼ Sec 21 T. 23N. 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 ..... feet.

Shut-in Pressure for Flowing Well 3#

Pumping Water Level 6 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well 3

How Tested Open Flow

Length of Test 2 Hours

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

Packer set at 45'

Cement from 45' to top of ground

(Continue on reverse side)

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

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

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

154
Driller's License Number

Joe L. Johnson
Driller's Signature

52,058

R- 4244
207120

Well Report

CHUCK DIXON

TO

THE PUBLIC

STATE OF MONTANA }
County of Lake } ss

Filed on the 20 day of Dec
A.D. 19 72 at 8:30 o'clock A M
ETHEL M. HARDING
County Clerk and Recorder
By [illegible]
Deputy

GV

21

File No.....

T. 23 N R. 20 W

County Lake

DUPLICATE

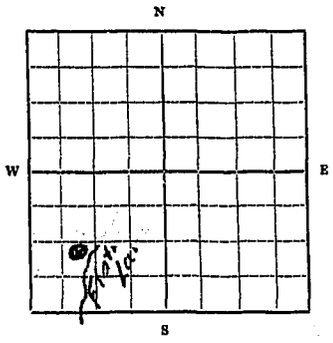
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
FEB 8 1962
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Kenneth K Lyons (Name of Appropriator), of Box 1383 (Address) Polson (Town)
County of Lake State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW¼ Sec. 21 T. 23N 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
Domestic and Irrigation

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 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 Lot 1 - Block 2 Mountain View Villa, (Part of the SW¼ SW¼ Sec 21 T23N - R 20 W

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Electric Driven Pump.
One well as located on plat

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

8. The depth of water table 15 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
No other withdrawals

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

11. The log of formations encountered in the drilling of each well if available
Loam and Clay 11 Feet
Blasted into Rock 4 "

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 Kenneth K Lyons

Date Feb 5 - 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.

1397.

153487

R-78

STATE OF MONTANA }
County of Lake, } ss.
Filed on the 6 day of Feb
A. D. 1962 at 12:48 o'clock P. M
[illegible]
County Clerk and Recorder
By _____ Deputy
2

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—45642

File No. ..... STATE WATER CONSERVATION BOARD

JUL 20 1967

T. 23N R. 20W

21

DUPLICATE

County Lake

LOG

Bille ..... McDormott .....
Butzerin ..... McNully ..... STATE OF MONTANA
Coyle ..... Morton ..... ADMINISTRATOR OF GROUNDWATER CODE
Darlington ..... Sullivan ..... OFFICE OF STATE ENGINEER
Daniel .....

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Dorothea & Kenneth Lyons Address Polson, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 6/26/67 Date completed 6/30/67

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

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

Top of Ground Approx. 3220'

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

Formations Log:

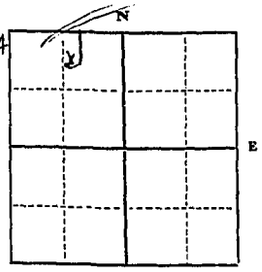
0 - 51 Tan silty clay.
51 - 76 Broken rock & boulders imbedded in tan silty clay.
76 - 81 Tan silty clay.
81 - 86 Tan clay mixed with fine gray sand.
86 - 91 Gravel imbedded in tan clay.
91 - 96 Fine gray silty sand with tan silt mixed in.
96 - 97 Tan sticky clay.
97 - 214 Green to gray rock. Argillite.

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7"	7" OD x .231	0	98	N O N E		

Well was flowing over top of casing at completion.

3.08A



West Part Lot 8, Block 1, Mountain View Vista

..... ¼ Sec. 21 T. 23N 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 ..... feet.

Shut-in Pressure for Flowing Well 4 lbs.

Pumping Water Level 98 feet at 7½ gal. per minute.

Discharge in gal. per min. of flowing well ..... ¾

How Tested Air Lift

Length of Test Three hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well from cracks and seams in the rock below 127 feet. Casing is firmly seated in the rock and annular space above rock filled with puddled clay.

(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.

Bottom of hole 214'

52

Driller's License Number

William F. Osborne

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, tissue copy to be retained by driller.

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

42,161

R-1080

Bonds

Well Report

Kenneth K. Lynn

Dorothea M. Lynn

to

The Public

STATE OF MONTANA
County of Lake } ss
Filed on the 18 day of July
A.D. 1967 at 1:40 o'clock P M
ETHEL M. HARDING
County Clerk and Recorder
By Eunice Newman
Deputy