208911

R- 1436

DONALD L. GROVES

TO

THE PUBLIC

WELL REPORT

STATE OF MONTANA
County of Lake

Filed on the 10 day of April
A B 12:25 o'clock P M
ETHEL M. HARDING
Clerk and Recorder
Jewell Birk
Deputy

GW-2

Approved Stock Form—State Publishing Co., Helena, Montana—4232

File No.

T 23 N R 20 W 32

DUPLICATE

County Missoula

RECEIVED
MAY 28 1965
STATE ENGINEER

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)

Owner Don Groves Address Polson, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None-filed

Date well started 4/24/65 Date completed 5/1/65

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 ☐

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.

LOG

Top of Ground (Elev. above sea level Approx. 3000')

Formation Log:

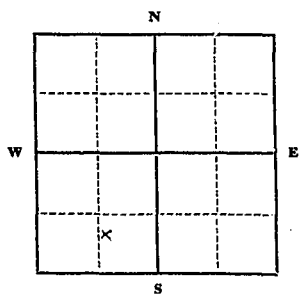
0 - 5	Dirt & loose rock.
5 - 36	Tan & brown rock badly fractured.
36 - 44	Dark gray rock.
44 - 49	Tan & brown rock.
49 - 57	Dark gray rock.
57 - 64	Tan & brown rock.
64 - 76	Dark gray rock.
76 - 123	Tan & brown rock.
123 - 131	Dark gray rock. Some water in cracks & seams.
131 - 147	Tan & brown rock. Water in cracks & seams.
147 - 176	Dark gray rock. Water in cracks & seams.
176 - 182	Purple rock. Water in cracks & seams.

59' Height to which water rises in well.

Show exact depth of bottom.

Bottom of hole 182'

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	23'2"	NONE		



SE ¼ SW Sec. 32 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 59 feet.

Shut-in Pressure for Flowing Well Non-f

Pumping Water Level 140 feet at 12 gal. per minute.

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

How Tested Air Lift Pump

Length of Test Four hour

Remarks: (Gravel packing, cementing, packers, type of shutoff). All water is entering well through cracks and seams in rock below 123 to 182 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).

Lots one (1), two (2), and three (3) of Section six (6) and Lot four (4) of Section five (5) all in Township 22 North, Range 20 West and that portion of Lot four (4) of Section 32 Township 23 North Range 20 West lying South and West of U. S. Highway No. 93 containing in all 217.14 acres, more or less.

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. Alberna
Driller's Signature

39166

R992

170698

Well Report

Don Graves

to

The Public.

STATE OF MONTANA }
County of Lake } ss

Filed on the 26 day of May

A.D. 1965 at 3:42 o'clock P M

HAZEL KINNICK

County Clerk and Recorder

By E. Chroman

Deputy

23N-20W 32

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
SEP 22 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

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 Louis Groves

Address West Shore

Polson

Date well started August 9

completed August 11

For Administrator's Use
File R-1383 205771
Sept 21, 1972 - 3:10 p.m.
GW 1

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

Equipment used rotary and churn (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

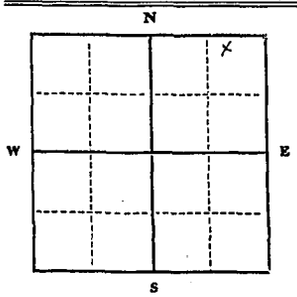
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6" 17 lbs.	0	40'			
	4" 17 lbs.	0	20'			



Static water level 23' ft.*
Pumping water level 40' ft.*
at 25-30 gallons per minute, measured minutes after pumping began.
*Measured from ground level.
Well developed by air
for 2 hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

R.J.H.

¼ ¼ Sec. 32
T. 23 (N) R. 20 E
S (W)

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

Driller's Signature Emmett O'Keefe

Driller's Address 816 15th Ave. Polson

LICENSE NO. 8

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	35	clay
35	39	gravel
39	50	bluerock

50 Show exact depth of bottom

51,436

R-1383

205 771

WELL REPORT

LOUIS GROVES

TO

THE PUBLIC

STATE OF MONTANA }
County of Lake } ss

Filed on the 21 day of Sept.

A.D. 19 72 at 3:10 o'clock p M

ETHEL M. HARDING

County Clerk and Recorder

By [illegible] Deputy

2.00

GW 2

STATE WATER CONSERVATION BOARD

DEC 22 1966

Approved Stock Form—State Publishing Co., Helena, Montana—4564.

32

File No.....

T 23N R 20W

TRIPLICATE

Bill ... McDermott
Bu... McNally
Co... Morton
Dallinger Sullivan
Dickey

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 Approx.

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

Formations Log:

0 - 1	Black dirt.
1 - 53	Tan silty clay with a few gravels.
53 - 64	Sand & gravel imbedded in tan clay.
64 - 66	Sand & gravel mixed in gray clay.
66 - 81	Hard blue-green rock.
81 - 82	Tan to green rock. Rather broken.
82 - 88	Light gray rock.
88 - 97	Green rock with brown dust.
97 - 108	Blue-gray rock.
108 - 109	Green rock with 6" brown dust.
109 - 132	Light gray rock.
132 - 147	Blue-gray rock.
147 - 158	Green rock with brown dust.
158 - 226	Dark gray rock.
226 - 247	Light gray rock.
247 - 259	Green rock. Broken. Three gallons per minute.
259 - 288	Brown rock. Broken. Nine gallons per minute. Twelve gallons per minute total.

Water rises in the well 6½ feet from surface.

Show exact depth of bottom.

Bottom of hole 288'

Owner Ethel M. &/or Warren G. Harding Address Polson, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

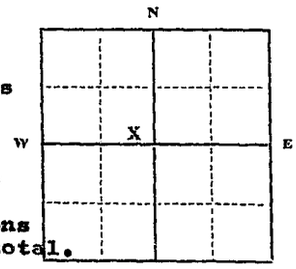
Date well started 10/1/66 Date completed 11/22/66

Type of well Drilled (Dug, driven, bored or drilled) Equipment used Cable Tools & Air 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)
	6 5/8" OD x ¼"	+1	67	NONE		



Part of Lot 2
Deed Ex. H-305
SE¼ SW ¼ NW¼ Sec. 32 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 6½ feet.

Shut-in Pressure for Flowing Well Non-f

Pumping Water Level 189 feet at 12 gal. per minute.

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

How Tested Air Lift Pump

Length of Test Two hour

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming from cracks and seams in the rock from 247 to 265 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).

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.

41581

R-1053

178173

Well Report

Warren G & Ethel M. Harding

to

The Public

STATE OF MONTANA
County of Lake } ss

Filed on the 21 day of Dec.

A.D. 1966 at 8:15 o'clock A M

HAZEL KINNICK

County Clerk and Recorder

By Eunice Cowman

Deputy

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 DEC 19 1963 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 2911)

48' of Clay
15' of Sand + Water
15' of Sand Rock
42' of Solid Rock
10' of Soft Rock + Water
22' of Solid Rock

Water bearing Strata encountered at 120' to 130'

Water rises 148' in Well

152'

Show exact depth of bottom.

Owner Anton Kowcun [redacted] Address Polson

Driller Fred Morrison Address Pablo

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

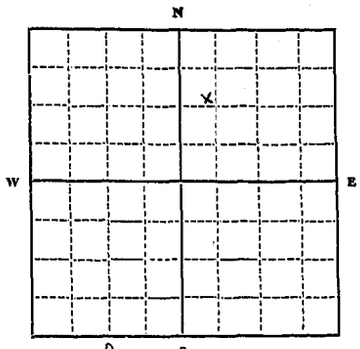
Date well started July 22 1963 Date Completed Aug. 13 1963

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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7"	7" O.D. 22 pounds to foot	4' below ground level	78' below ground level			



SW ¼ Lot 2 Sec. 32 T 23 N R 20 W.

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

Static Water Level for non-flowing Well 148' feet.

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

Pumping Water Level 150 feet at 3 gal. per minute.

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

How Tested Bailer Length of Test 3 hours

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

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.

10347

R-374
162559
Water Report
Anton Kowcin
to
The Public

STATE OF MONTANA } ss.
County of Lake,
Filed on the 16 day of December
A. D. 1963 at 2:40 o'clock P. M
HAZEL KINNICK
County Clerk and Recorder
By M. Knaus
Deputy
$2.00

23N-20W 32

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
MAY 9 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

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 Francis J. & Sylvia V. Lucara

Address Shoreline Route
Polson, Montana

Date well started 3/29/72
completed 4/12/72

For Administrator's Use
File R-1344, 203429
May 5, 1972 4:30 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 ☒

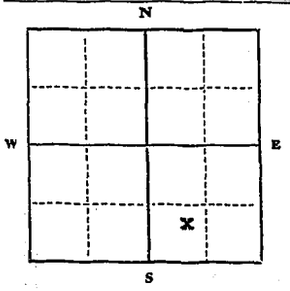
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*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). Five Acres

ESTIMATED ANNUAL WITHDRAWAL 52,560,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
10"		0	22'			
8"	8 5/8" OD x ¼"	+2	22'1"	N O N E		



SE ¼ SW ¼ Sec. 32
T. 23 N/S R. 20 E/W

Static water level 55 ft.*
Pumping water level 259 ft.*
at +100 gallons per minute,
measured 180 minutes after pumping began.
*Measured from ground level.
Well developed by Air Lift Pump
for Two 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 373 feet. Casing is firmly seated cont'd

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

LIBERTY DRILLING & PUMP CO.

Driller's Signature [signature]

Driller's Address Route 2
Kalispell, 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) 2900'

From (Feet)	To (Feet)	
0	1	Topsoil
1	6	Tan clay and broken rock
6	38	Green rock
38	58	Tan and green rock
58	142	Green rock
142	169	Gray rock
169	198	Green rock. Seeps
198	213	Gray rock
213	240	Green rock
240	255	Gray rock
255	373	Green rock. 6 GPM
373	423	Tan and green rock
423	565	Green rock.
		Total 150 GPM

565 ft. Show exact depth of bottom

Water rises in well 55 feet from surface.

R-1344

203429

Well Report

Francis J. & Sylvia V. Lucara

To

The Public

STATE OF MONTANA
County of Lake } ss.
Filed on the 5 day of May
A.D. 1972 at 4:30 o'clock P.M.
Dixie M. HAWKINS
County Clerk and Recorder
By Dixie M. Hawkins
Deputy

in the rock and annulus between ten inch hole and eight inch casing is backfilled with puddled clay and cuttings. 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.

GW

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

32

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

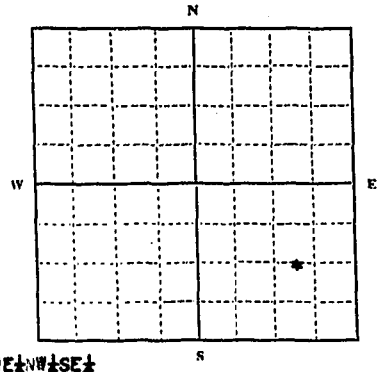
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Mr & Mrs Robert E Maddy, of Shoreline Rt 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:



NE¼NW¼SE¼ Lot 3 ¼ Sec 32 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 and Lawn Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1955, Steady Use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 40 gal per min

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Lawn irrigation on Lot 3 Sec 32 T. 23 R. 20 3 acre Approx.

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 1955

8. The depth of water table 20 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 Dug well 2 ft dia, depth 27 ft

10. The estimated amount of groundwater withdrawn each year 100,000 gal

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

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

Signature of Owner Robert E Maddy

Date Dec 31, 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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

24304

R-803

183149

Robert E. & Janet Maddy

STATE OF MONTANA }
County of Lake, } ss
Filed on the 31 day of Dec
A. D. 1963 at 4:04 o'clock P. M
HAZEL KINNICK
County Clerk and Recorder
By M. Knaus
Deputy

2.00

T. 23N R. 20W 32

County Lake County

RECEIVED
OCT 20 1958
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Ed Nyberg Address Polson Mont

Driller Glen Camp Address Missoula Mont

Date Started 9-12-58 Date Completed 9-26-58

Location: Sec. 32 T. 23 R. 20 West ~~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: 58 ft. to to rock ft. Type Standard 19 lbs Size 6 inches inside

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

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

Type of screen or perforations

Static Water level, for non-flowing well: 20 feet from top of Casing feet.

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

Pumping water level 121 feet at 3½ gal. per min.

How tested: Bailer

Length of test

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

(over)

Log of Well

Depth, feet From	To	Description of Material Drilled
~~0 to 2 ft~~		
0	to 2 ft	Top soil
2 ft	to 50 ft	Clay and boulders
50 ft	to 58 ft	sand (silty) Water in sand
58 ft	to 96 ft	Hard Rock
96 ft	to 105 ft	Soft Rock carrying 1 gal of Water per min
105 ft	to 115 ft	hard rock
115 ft	to 121 ft	Carrying 2 gals per minute - soft rock
		Capacity of well 3 1/2 gals a minute

STATE OF MONTANA
County of Lake
Filed on the 15 day of Oct
A. D. 1962 at 10:45 o'clock AM
RAEL FINNECK
County Clerk and Recorder
By G. Clement
Deputy
Fee

Rg 13 F 67
Water Well for
Ed Nyberg
to
Ted Miller

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—48557

32

File No.....

T. 23N R. 20W

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
OCT 15 1969

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

LOG

Top of Ground
(Elev. above sea level Approx. 2933')

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

Formations Log:

0 - ½ Black dirt.
½ - 42 Tan clay with few gravels.
42 - 44 Broken green rock & tan clay.
44 - 169 Green Argillite. Seeps of water 55 feet. Fractures or seams 144' to 146'.
169 - 233½ Brown & gray Argillite in thin alternate layers. Fractures and seams 196' to 200' and 216' to 233½'.

Owner W. C. Wetzel Address Polson, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 3/15/66 Date completed 5/16/66

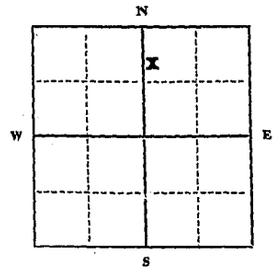
Type of well Drilled (Dug, driven, bored or drilled) Equipment used Cable Tools & Air Rotary (Churn drill, rotary or other)

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)
6"	6 5/8" OD x ¼"	+1½	44½	NONE		

Water rises in the well 14 feet from surface.



Static Water Level for non-flowing well 14 feet.

Shut-in Pressure for Flowing Well Non-f

Pumping Water Level 84 feet at 28 gal. per minute.

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

How Tested Pump test

Length of Test Six hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well from cracks and seams in the rock below 55 ft.

NW ¼NE Sec. T.23NR20W

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

(Continue on reverse side)

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

Approx 2½ acres

Lot 4, Edgewater Villa except N. 77'

Show exact depth of bottom.
Bottom of well 233½'

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 A. Osborne
Driller's Signature.

45732

R- 1172

190710

W. C. WETZEL

TO

THE PUBLIC

STATE OF MONTANA }
County of Lake } ss

Filed on the 10 day of October

A. D. 1989 at 4:45 o'clock P M

ETHEL M. HARDING
County Clerk and Recorder

By Jewell Beatty Deputy

2.00

23N-20W 35

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
1973

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 Richard L. French

Address

Polson, Montana

Date well started Dec 16, 1972

completed Jan 24, 1973

For Administrator's Use
File 207860; R-1411
Feb 2, 1973
GW 1 3:15 p.m.

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

Equipment used Churn Drill (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☒

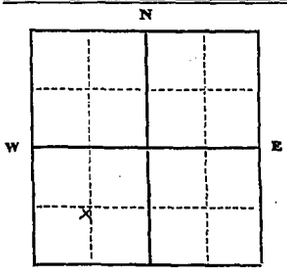
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 50,000,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
12"	10"250	0	36 1/2			
8"	8 5/8 25#	1 ft.	up 136			
	6 5/8 17#	131	148	Torch cut 1/8 x 2"	135	146



NE cor SW¼ SW¼ ¼ ¼ Sec. 35
T. 23 N/S R. 20 E/W

Static water level flow ft.*
Pumping water level flow ft.*
at 500 gallons per minute,
measured xx minutes after pumping began.
*Measured from ground level.
Well developed by surge-bailer
for 20 hours.
Power xx Pump xx HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)
cemented from ground level to 36½ feet outside of 10" pipe.

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

Driller's Signature George O. Beebe

Driller's Address Box 47 Ravalli, Mont.

LICENSE NO. 204

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	5	Tan clay
5	9	tan clay some gravel water
9	54	tan clay
54	57	tan clay silt brown sand water
57	106	tan clay
106	123	tan clay some gravel
123	126	silty brown sand and gravel and water
126	131	tan clay
131	136	tan clay sand and gravel streaked
136	148	mixed size gravel some clay streaked water
1		

148 ft. Show exact depth of bottom

52340

207860

R 1411

Richard L. French

to

The Public

STATE OF MONTANA
County of Lake } ss

Filed on the 2 day of Feb
A. D. 19 73 at 3:15 o'clock P M
ETHEL M. HARDING
County Clerk and Recorder
By [signature] Deputy

Range?

?

Must be valved or capped to control flow!

STATE WATER CONSERVATION BOARD Approved Stock Form—State Publishing Co., Helena, Montana—38687

File No. JUN 24 1966 T. R.

TRIPLICATE

Bills McDermott
Butterfin McNulty
Coyle Morton
Darlinton
Dickert

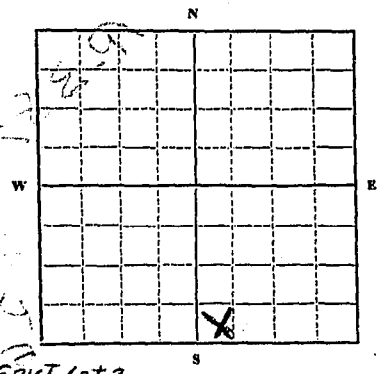
County LAKE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. SARAH JANE HANSON, 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:



GOVT LOT 3
SE 1/4 SW Sec 35 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 is for multiple domestic water supplies for Lot 24, Slacks Orchard & VILLA SITES, LAKE COUNTY, MONTANA

3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 26, 1961 continuous for one dwelling, intermittent for one other dwelling.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Six thousand gallons per hour (6000 GPH) or 100 gallons per minute. (100 GPM)

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Deep well electric pump. One well located upon Northwesterly corner of Appropriator's property.

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

8. The depth of water table 12 feet below ground level

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 6 inch steel casing, welded, with depth of 74.5 feet.

10. The estimated amount of groundwater withdrawn each year 325,000 gallons

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Said well located on a fractional part of Lot 24 of the Slacks Orchard & Villa Sites as referenced to Deed Exhibit H-743 and H-540, and Agreement dated June 26, 1961 for common ownership of said well.

Signature of Owner Sarah Jane Hanson

Date December 10, 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.

R.387 162611

STATE OF MONTANA
County of Lake } ss

Filed on the 18 day of Dec
A. D. 19 63 at 3.55 o'clock P M

HAZEL KINNICK
County Clerk and Recorder

By M. Kraus
Deputy

Sid

93-91

The Security State Bank

Polson, Montana

June 23, 1966

STATE WATER CONSERVATION BOARD

JUN 24 1966

Bille	McDermott
Butcher	McNulty
Cook	Morton
Darlinton	Sullivan
Dickert	

State of Montana
State Engineer
Sam W. Mitchell Building
Helena, Montana

Dear Sir:

Your letter of December 16, 1963 has been complied with and the filing data required is on the enclosed copy of your Declaration of Vested Groundwater Rights. Same is submitted for filing in your office.

Very truly yours,

J. H. Hanson

J. H. Hanson
President

JHH:mg
Enclosure

Please advise any fees or costs.

J. H. H.

THE SECURITY STATE BANK

THE BANK OF FRIENDLY SERVICE

STATE OF MONTANA

STATE ENGINEER

EVERETT V. DARLINTON, STATE ENGINEER
HANS L. BILLE, ASSISTANT

SAM W. MITCHELL BUILDING

HELENA, MONTANA

December 16, 1963

STATE WATER CONSERVATION BOARD

JUN 24 1966

Bille	McDermott
Butcher	McNulty
Cook	Morton
Darlinton	Sullivan
Dickert	

Mr. J. H. Hanson, President
The Security State Bank
Polson, Montana

Dear Mr. Hanson:

We received for filing the enclosed Declaration of Vested Groundwater Right, GW-4, for the account of Sarah Jane Hanson.

If you will take this form to your County Clerk and Recorder, I am sure he will make the necessary filing notation and send the same on to our office. It is necessary that the date and hour of filing, fees paid and all other pertinent information relative to the filing be on our copy, too.

Sincerely,

EVERETT V. DARLINTON
STATE ENGINEER

By: Donald D. Sullivan
Deputy State Engineer

DDS/b
Enc.

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
JUL 2 1973

23N-20W 35

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 M. Wallace & Irene G. HOLT

Address Rt 1, Box 138, Polson

Mont. 59860

Date well started In the early 1900's

completed

For Administrator's Use
File 210552
June 29, 1973
GW 1 10:22 A.M.

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

Equipment used unknown
(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

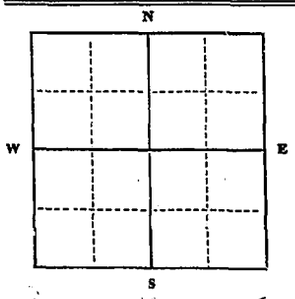
Industrial ☐ Drainage ☐ Other ☒* Garden/Lawn ☐

*Describe if possible, irrigation; needs work on it to know what is possible.

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 unknown

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	about 20' of 6" c g	about 260' deep		unknown		



Static water level unknown ft.*
Pumping water level unknown ft.*
at gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by unknown
for hours.
Power hand Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

¼ ¼ Sec. 35
T. 23 (N) R. 20 E (W)

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

Driller's Signature Driller unknown - done in

Driller's Address early 1900

LICENSE NO.

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) 5000'

From (Feet)	To (Feet)	
		There is about 20' of casing, the balance in rock with water from faults in the rock.

Show exact depth of bottom

5461

210552

R-1502

Well Report

M. Wallace & Irene G. Holt

to

The Public

STATE OF MONTANA
County of Lake } ss
Filed on the 29 day of June
A.D. 19 73 at 10:22 o'clock A M
CLERK & RECORDER
By Clerk and Recorder
Elaine Eleppson
Deputy

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

35

File No. .....

T 23N R 20W

DUPLICATE

County LAKE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

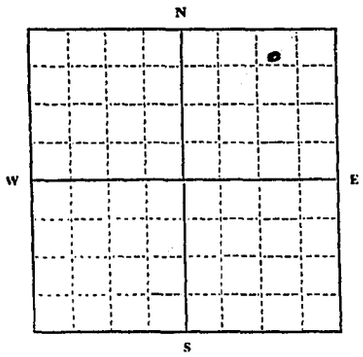
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. David J. Macley, of 828 Ronald Ave Missoula
(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:



Lot 1 ¼ Sec 35 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 irrigation & domestic.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1932. continuous use

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 2 acres of garden & orchard

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1932

8. The depth of water table ~~[illegible]~~ 58'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6" casing 135' deep

10. The estimated amount of groundwater withdrawn each year 30 gallons per min about one half continuous flow.

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 David J. Macley

Date Dec 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.

24363

T-863

163211

David J. Maclay

STATE OF MONTANA } ss.
County of Lake,
Filed on the 21 day of Dec
A. D. 1963 at 5:36 o'clock P.M.
HAZEL KINNE
County Clerk and Recorder
By M. Kraus Deputy

2.00

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana—42199

File No.

T. 23N R. 20W

DUPLICATE

County LAKE

RECEIVED DEC 30 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 1955

Owner Vernon R. Peterson and Agnes S. Peterson Address P. O. Box 679, Polson, Montana

Contractor (if any) John Hosking

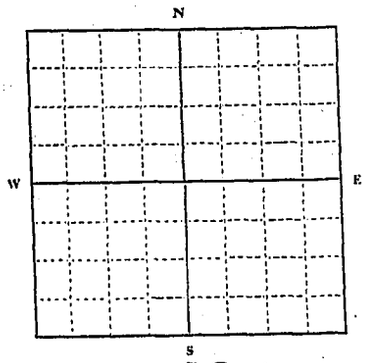
Address of Contractor Polson, Montana

Date Started ..... Date Completed July, 1955

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

By pumps for house consumption and irrigation.

Line runs out into lake for year around consumption.



¼ Sec. 35 T. 23 R. 20

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

Slack's Orchard and Villa Sites Addition No. 1, Block 5, Lots 15 and 16

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 500 gal. per day based on 100 gallon per day per capita for permanent residence, supplying constant year around water supply.

Signature of Owner Vernon R. Peterson
Agnes S. Peterson

Date 12.17.63

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.

14918

R512

162805

Water Report

Vernon R. Agnes A

Peterson

To

The Public

STATE OF MONTANA }
County of Lake, } ss.

Filed on the 26 day of Dec

A. D. 196 3 at 4:04 o'clock P M

HAZEL KINNICK

County Clerk and Recorder

By C. Cowman

Deputy

GW

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

35

File No.....

T. 23N R. 20W

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 6 1964 STATE ENGINEER

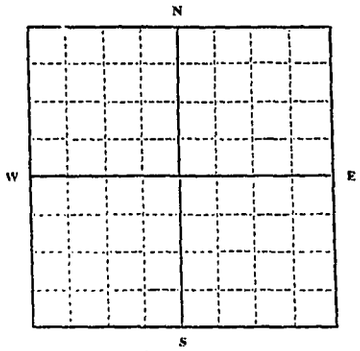
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. W. L. and Nadine N. Rader (Name of Appropriator), of Rt. 1, Box 36, Polson, Montana (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:



.....¼..... Sec. 35 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, plus garden and lawn irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Well was dug 9-15-1955

Well has been used consistently ever since it was dug

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 40 gallons per minute (2400 gals. per hour)

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 20, 21 and 22 in Block 5 of the Slack Orchard and Villa Tracts, Addition No. 1, (one Acre, more or less) in Sect. 35, T. 23, R. 20 W. W. L. & Nadine N. Rader.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal one well near lakeshore. Water is withdrawn by means of electric pumps.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater well was started 9-5-55 and finished 9-10-55, pipelines from well finished 915-55

8. The depth of water table from five feet to 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 This is a dug well, lined with concrete form 4 ft. x 6 ft. x 19 feet deep. Insulated pumphouse mounted above houses an electric pump and storage tank. Pipeline leads to cabin, home and garden spot.

10. The estimated amount of groundwater withdrawn each year enough for continuous use in Summer cabin, home, garden and lawn

11. The log of formations encountered in the drilling of each well if available Gravel all the way to shale bed at 19 feet.

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

Signature of Owner W. L. Rader and Nadine N. Rader

Date December 30, 1963

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

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

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

24278

R 777
163123

STATE OF MONTANA } ss
County of Lake,
Filed on the 27 day of Dec
A. D. 1963 at 3:00 o'clock P M
HAZEL KINNICK
County Clerk and Recorder
By C. Cowman Deputy

GW

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

File No.

T. 23N R. 20W

DUPLICATE

County Lake

RECEIVED
JAN 6 1964
OFFICE OF STATE ENGINEER

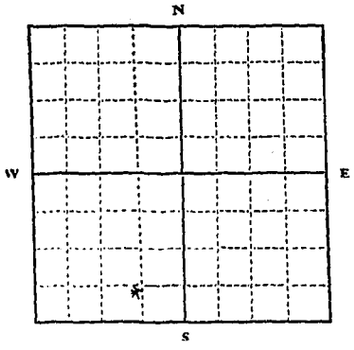
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Alice (A. Hall) Venetz, of East Shore Rd. 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:



S.6 1/4 Sh Sec. 35 T. 23 R. 20

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.
Slacks Villa and Orchard Tracts S1/2 of L. 29 - Blk 4

2. The beneficial use on which the claim is based Household use for two residences and orchard irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been April 12, 1959 and steadily since that date

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 One acre, Lot 29, Block 4, Slacks Villa and Orchard Tracts Alice A. (Hall) Venetz

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Jet pump located on South half of lot 29, Block 4.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April 3 to April 12, 1959

8. The depth of water table 258 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 Domestic well, 6 inch casing, 268 feet deep

10. The estimated amount of groundwater withdrawn each year 220,000 gallons

11. The log of formations encountered in the drilling of each well if available 247 feet of sand 21 feet of hard pan and gravel mixture

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 Alice A. Hall Venetz

Date Dec. 30, 1963

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

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

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

24216

R-715 163057

Water Report

Alice A. (Hall) Venetz

To

The Public

STATE OF MONTANA }
County of Lake, } ss.
Filed on the 31 day of Dec
A. D. 1903 at 10:25 o'clock A. M.
[illegible]
County Clerk and Recorder
By
Deputy

23N-20W 35

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

MONTANA WATER RESOURCES BOARD
RECEIVED
JUN 23 1971

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 Henry O. & Tonne M. Worden

Address Bayview Dr.
Polson, Montana

Date well started 5/4/71

completed 5/5/71

For Administrator's Use
File 198956a R-1268
June 22, 1971 9:00 AM
GW 1

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

Equipment used Cable Tools (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

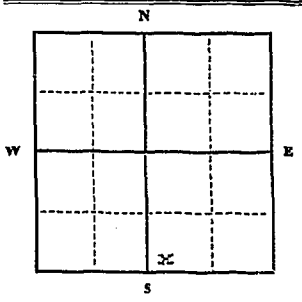
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*Describe

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). Lots 9, 10, & 11 in block five of Addition #1, The Sluck Orchard & Villa Tracts a platted subdivision.

ESTIMATED ANNUAL WITHDRAWAL 26,280,000 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 x ¼"	1'1"	41'	N O N E		



SE ¼ SE ¼ Sec. 35
T. 23 N R. 20 E
S W

Static water level 16 ft.*
Pumping water level 31 ft.*
at 50 gallons per minute,
measured 100 minutes after pumping began.
*Measured from ground level.
Well developed by Air Lift Pump
for 2 hours.
Power Gas Pump 50 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through open bottom of 6 inch casing.

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

Driller's Signature LIBERTY DRILLING William F. Coleman

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) 3000'

From (Feet)	To (Feet)	
0	6	Tan clay & dirty gravel
6	17	Tan silty clay
17	34	Sandy gravel
34	41	Clean coarse gravel. Water

41 ft. Show exact depth of bottom

Water rises in well 16 ft. from surface.

48642

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 50 to 60 percent of the tested capacity of the aquifer.

R-1268

198956

WELL REPORT

HENRY O. & TONNE M. WORDEN

TO

THE PUBLIC

STATE OF MONTANA } ss
of Lake

Filed in the 22 day of [illegible] 19[illegible] at 9:00 o'clock A M

ETHEL M. HARDING
County Clerk and Recorder

By [illegible] Deputy

2.00

N 3

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

36

File No.....

T 36N-23W-20

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1917

Owner R.H.+L.L. McAlpin Address Eureka, Mont.

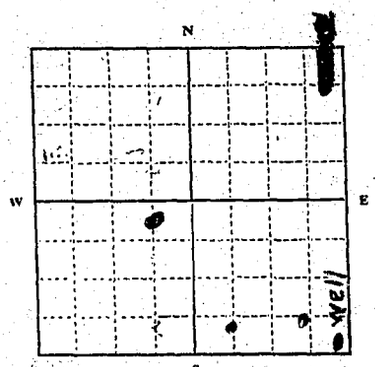
Contractor (if any) .....

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

1 Dug Well - depth 10 feet
3 Springs - depth 2 feet
To 6 feet - For stock water
and subirrigation.



Lots 4+5 ¼ Sec. 36 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

Year round use
Estimated flow-
Ten cubic feet per second.

Signature of Owners R.H. McAlpin
L.L. McAlpin

Date Dec. 24, 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.

17470

R-663 16 30000

Water Report

R. H. + L. L. McAlpin

To

The Public

STATE OF MONTANA }
County of Lake, } ss.
Filed on the 30 day of Dec
A. D. 19 63 at 2 o'clock P.M.
[illegible]
County Clerk and Recorder

By _____
Deputy

GW 2

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

File No.

DUPLICATE

T. 23N R. 20W

County Lake County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 7 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. 2,950')

0- 1 Black topsoil
1- 50 Tan silty clay
50- 54 Gray sand and gravel. Seep of water
54- 63 Gravel mixed in grayclay
63- 82 Sand, gravel tan clay. Some water
82- 91 Gravel embedded in tan clay
91-128 Hard gray rock water in broken rock at 128'
128-134 Hard Gray rock. Water.

Owner Vern H. Fast ~~Double V Const. Co.~~ Address C/O G. Brown East Shor Polson, Montana

Driller ~~LIBERTY DRILLING CO.~~ Address ~~Missoula, Montana~~

Date of Notice of Appropriation of Groundwater None filed

Date well started April 15, 64 Date Completed April 26, 64

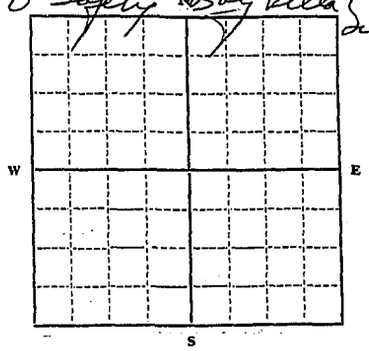
Type of well Drilled (dug, driven, bored or drilled) Equipment Used Cable tools (Churn, drill, rotary or other)

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"	6 5/8"OD by 17#	+1	92'	none	none	none

Lots 1, 2 and 3 Block 10 Safety Bay Hills Sale



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

Static Water Level for non-flowing Well 34' feet.

Shut-in Pressure for Flowing Well non-flowing

Pumping Water Level 128' feet at 16 gal. per minute.

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

How Tested Pump Length of Test 6 hr.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) A forged steel drive shoe welded to bottom of casing. All water entering well from cracks and seams below 92'.

Show exact depth of bottom.

Bottom of well-134'

-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.

38252

R-946

166152

Water Report

Vera M. Fast

to

The Public

STATE OF MONTANA
County of Lake,
Filed on the 3 day of July
A. D. 1964 at 3:40 o'clock P. M
HAZEL KINNICK
County Clerk and Recorder
By M. Kraus
Deputy

2.00

GROUNDWATER INDEX

County Lake Twp. 23 N. Rge. 19 W.

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
3 or 10	LEE, GEO. C.	GW 3	163787	
3	Raykowski, H. A.	GW 3	210642	
6	Rigg, Charles A. S.	GW 2	202453	
7	Farnum, Vincent L.	GW 2	187584	
7	Gary, Samuel	GW 2	205823	
7	Heard, Frank	GW 2	199602	
7	Reber, J.B. & M.E.	GW 2	200496	
7	Thieme, Fred E.	GW 2	180144	
7	Woodahl, Robert L. & Arlene	GW 2	196540	
10	Amrine, Robert Y.	GW 1	210633	
10	Amrine, Robert Y.	GW 3	210632	
10	Jakubson, Mark J.	GW 3	203930	
10	Jakubson, Mark J.	GW 3	203931	
15	Ammons, Bruce C.	GW 2	199395	
15	Brodoski, Edward & Esther	GW 3	1271	
15	Dalgarn, James L. & Irene	GW 4	162750	
15	Fitz, Merle D.	GW 3	161945	
15	Fitz, Merle D.	GW 2	177815	
15	Kane, Richard C.	GW 4	163316	
15	Keough, Frank A.	GW 3	185593	
15	Keough, Frank A.	GW 3	198560	
15	Tietjen,	1957 Well Log	147622	
15	Troop, Anne Morgan	GW 3	180131	
15	VanHee, Victor & Elva L.	GW 4	162539	
18	Cogswell, E. B.	GW 2	193672	
18	Conway, Walter & Vanderpate, John	GW 3	160429	
18	English, John & Evelyn	GW 2	180405	
18	Hansen, Marion O.	GW 4	162878	
18	MacDonald, P.L.	GW 2	154891	
18	Pomajevich, George	GW 2	177407	
18	Staves, W.E.	GW 2	188744	
18	Staves, W.E.	GW 4	162845	
18	Taylor, Roger F.	GW 2	195790	
18	Western Broadcasting Co.	GW 2	194301	
19	Beardsley, Lucian	GW 4	162953	
19	Betzing, J.E.	GW 4	162048	
19	Brujord, Iver & Goldie	GW 3	160117	
19	Clarkson, George M.	GW 3	163015	
19	Edwards, Laurens	GW 2	193029	
19	Edwards, Laurens	GW 1	193030	
19	Granmo, Mayness	GW 4	163276	
19	Hightower, Lester & Olson, S.P.	GW 4	1606405	
19	Oma, Orville	GW 2	193713	
19	Thurston, Bruce	GW 2	171155	
19	Thurston, Stanley	GW 2	180096	
19	Thurston, Stanley	GW 2	193868	
	Adams, Charles M. & Wanda	GW 4	163429	

GROUNDWATER INDEX

County Lake Twp. 23 N. Rge. 19 W.

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
20	Burfening, Barto J	GW 4	163060	
20	Burfening, Kathryn E.	GW 4	163061	
20	Cahill, Herbert	GW 2	197706	
20	Campbell, R.K.	GW 2	193726	
20	Cartmell, Evelyn R.	GW 3	171701	
20	Elich, Nick M.	GW 2	205524	
20	Hamilton, Dorothy & A.J.	GW 2	208860	
20	Harter, James & McNealy, Hilda	GW 4	1611165	
20	Hyer, E. Irene & Harold J.	GW 4	162713	
20	Herzel, Marie	GW 4	162821	
20	Lawin, Ray E.	GW 4	160414	
20	Luger, Lorrain & Rachel	GW 4	163062	
20	Prescott, Gordon & Kathryn	GW 2	200807	
20	Sayer, Michael & Marjorie	GW 2	194628	
21	Blake, Fritz W.	GW 2	206252	
21	Brown, Eliza A.	GW 3	161162	
21	Brown, M. Virginia	GW 4	162627	
21	Butler, Herbert M.	GW 2	175975	
21	Christensen, Victoria	GW 2	163077	
21	Christensen, Victoria	GW 4	163078	
21	Coffee, Alice H.	GW 2	190002	
21	Dixon, Charlie B.	GW 4	162657	
21	Ford, Nina M.	GW 2	160682	
21	Jensen, Einer C.	GW 4	162622	
21	Jordon, Donald Q	GW 2	174851	
21	Lockwood, Clyde M.	GW 4	161495	
21	McAlear, Rex	GW 2	203286	
21	Rubie, Richard D.	GW 2	188062	
21	Sheridan, L. M.	GW 4	163317	
21	Wise, Leo C. & Bernice R.	GW 2	210324	
21	Woods, Harold E. & Geanl.	GW 2	186946	
28	Cherry Growers Assn.	GW 2	1060	
28	Webb, Leonard H. & Correan	GW 4	174973	
28	Overlade, Arthur & Gertrude	GW 2	195141	
28	Schurr, Helen	GW 2	210331	
29	Herzel, Marie	GW 3	159341	
29	Sagmiller, Norman & Gerald	GW 2	161127	
29	Schoonover, R.J.	GW 4	162644	
18	Hall, Charles P.	GW 3	161191	
	Hawley, Ted & Luella	GW 1	162823	?
	Hossler, Walter	GW 4	162283	
	Staves, Walter	GW 2	1069	
18	Baldwin, E.O. Edwin	GW 3	160829	Misfiled
19	Montgomery, James K. & Dorothy C.	GW 4	151268 / 163019	↓
26	Blakely, Edward	GW 2	210556	
35	Holt, M. Wallace & Irene G.	GW 2	210552	?
Off	Lee, George C.	GW 3	163787	?

GW 3

Approved Stock Form.—State Publishing Co., Helena, Montana—42199

3/DR/10

File No.....

T 23 & 24 N R 19 W

QUADRUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 17 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1938 approximately

Owner Geo. C. Lee Address Noxon Mont

Contractor (if any) .....

Address of Contractor .....

Date Started 1938 Date Completed 1938

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable The water is piped from the head spring of a very small creek situated on Lot 1, Block 4 of FESTOU VILLA SITE. No excavations were made. A small 1 foot dam was constructed for backing up the water for entering a 1¼" pipe, and so conducted to my residence on Lot 8, Block 3, FESTOU VILLA SITE.

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 25 years

Amount conducted through a 1¼" pipe

N

W E

S

X

.....¼..... Sec..... T..... R.....

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

FESTOU VOLLA SITE
IS THE LOT OWNED BY GEO. C.LEE, but source of wa water is on Lot 1, Block 4, of FESTOU VILLA SITE.

Signature of Owner Geo C. Lee.

Date Dec 30, 1963

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

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

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

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

37172

R919

163781

Geo. C. Lee

To

The Public

Geo C Lee
Box 496
Nixon

STATE OF MONTANA } ss
County of Lake,
Filed on the 15 day of Jan
A. D. 1964 at 4:08 o'clock PM
HAZEL KINNICK
County Clerk and Recorder
By C. Cowman
Deputy

RECEIVED

JUL 3 1973

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

GW 3

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

File No.

QUADRUPLICATE

T. 23N R. 19W

County Lake

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)

R1517; 210642
June 29, 1973
4:59 p.m.

Date of Appropriation of Groundwater June 30, 1973

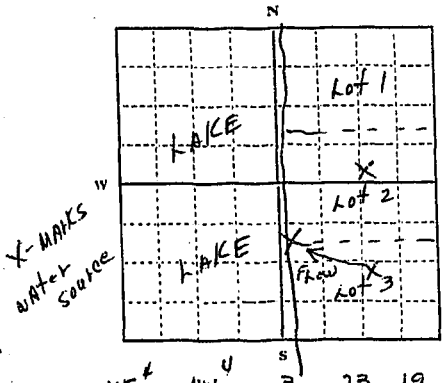
Owner H. G. Raykowski Address East Shore Flathead Lake

Contractor (if any)

Address of Contractor

Date Started 6/30/73 Date Completed —

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable Interruption of the surface and subsurface flow (spring) so this water flows by means of gravity into a wood or concrete or rock reservoir from which it will be pumped out at a future date.



NE¼ NW¼ Sec. 3 T. 23 R. 19

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

Lots 1-2-3 BLK 11 in Festou Villa in Sec 3 T 23 R 19 11.53 Ac

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 Enough to fill a 80 gal reservoir from which water will be pumped or gravity fed into a domestic household use. Quantity to be used is average daily need for family of 5.

Signature of Owner H. G. Raykowski

Date June 30, 1973

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.

54915

210642

R-1517

Groundwater Appropriation

H. A. Raykowski

to

The Public

STATE OF MONTANA
County of Lake
Filed on the 29 day of June
A.D. 19 73 at 4:59 o'clock P M
ETHEL M. HARDING
County Clerk and Recorder
By Elaine Elsperm
Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
FEB 29 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Lake 6

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 Charles A. S. Rigg and Helen A. Rigg
Address 2817 Gilbert
Missoula, Montana

Date well started Dec. 8, 1971
completed Dec. 22, 1971

For Administrator's Use
File R-1325, 202453
Feb. 28, 1972 11:20 a.m.
GW 1

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

Equipment used Churn Drill (Churn drill, rotary or other)

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

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 2,500,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6" 17#	0	3	—	—	—

N
W E

Static water level 15 ft.*
Pumping water level 82 ft.*
at 12 gallons per minute,
measured 120 minutes after pumping began.
*Measured from ground level.
Well developed by Bailer
for 4 hours.
Power — Pump — HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) —

Mellett Point #2
Lot #122
¼ ¼ Sec. 6
T. 23 ~~No.~~ N/S R. 19 ~~W.~~ E/W
~~MPM~~

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

Driller's Signature Charles T. Wellington

Driller's Address C.&C. Drilling, P.O. Box 670,
Missoula, Montana LICENSE NO. 185

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	3	Broken rock and clay
3	37	Rock with seams of clay
15	15	Static water level
32	32	Seep of water
37	72	Rock
72	82	Rock with seams of water
82	87	Rock

87 Show exact depth of bottom

49,938

20 2453

R-1325

WELL REPORT

CHARLES A. S. RIGG &
HELEN S. RIGG

TO

THE PUBLIC

STATE OF MONTANA } ss
County of Lake
Filed on the 28 day of Feb
A. D. 1972 at 11:20 o'clock A M
ETHEL M. HARDING
County Clerk and Recorder
By [signature] Deputy

County Lake

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.

(Elev. above sea level)

Top of Ground

From (Feet)	To (Feet)	
0	3	Broken rock and clay
3	37	Rock with seams of clay
15	15	Static water level
37	37	Seep of water
37	72	Rock
72	82	Rock with seams of water
82	87	Rock

RECEIVED

SEP 15 1972

A DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
WATER

(Amended)

be filed
county in
er.
wise the

Use

Ethel M. Harding
Clerk and Recorder
Box 491
Polson, Montana 59860

9-14-72

Enclosed is a corrected Well Report for Charles A.S. Riggs who have Lot 26 on Mellett Point, they also own Lot 122 but do not have water on it. I trust this is OK.

Jewell Bentz

9-14-72

Enclosed is a corrected Well Report for Charles A.S. Rigg who have Lot 26 on Mellett Point, they also own Lot 122 but do not have water on it. I trust this is OK.

Jewell Bentz

Ethel M. Harding
Clerk and Recorder
Box 491
Polson, Montana 59860

SEP 15 1972

A DEPARTMENT OF NATURAL RCES AND CONSERVATION

ATER

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.

ended)

be filed
ounty in
er.
wise the

Use

Ec ..... Churn Drill .....
(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe .....

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

ESTIMATED ANNUAL WITHDRAWAL ...2,500,000 gallons.....

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6" 17#	0	3	---	---	---

Static water level .....15.....ft.*
Pumping water level ..82.....ft.*
at .....12.....gallons per minute,
measured 120 minutes after pumping began.
*Measured from ground level.
Well developed by bailer
for .....4.....hours.
Power..... Pump..... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) .....
.....---.....

N
W E

Mellett Point
Lot #26
.....¼ .....¼ Sec..6.....
T...23 No.. N R..19 W.....E
MPM S W

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

Driller's Signature .....Charles Wilbert.....

Driller's Address ...C.K.C...Drilling.....P.O....Box..670,..

.....Missoula,...Montana..... LICENSE #0.185.....

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	3	Broken rock and clay
3	37	Rock with seams of clay
15	15	Static water level
37	37	Seep of water
37	72	Rock
72	82	Rock with seams of water
82	87	Rock

87 Show exact depth of bottom

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

SEP 15 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

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 Charles A. S. Rigg and Helen A. Rigg

Address 2817 Queen

Missoula, Montana

Date well started Dec. 8, 1971

completed Dec. 22, 1971

For Administrator's Use
File
GW 1

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

Equipment used Churn Drill (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

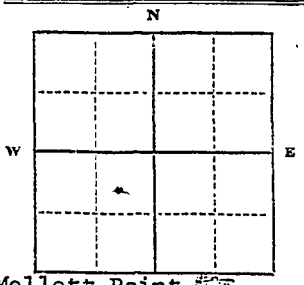
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 2,500,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6" 17#	0	3	---	---	---



Mellett Point
Lot #226
¼ ¼ Sec. 6
T. 23 No. N/S R. 19 W. E/W
MPM

Static water level 15 ft.*
Pumping water level 82 ft.*
at 12 gallons per minute,
measured 120 minutes after pumping began.
*Measured from ground level.
Well developed by bailer
for 4 hours.
Power ---- Pump ---- HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) ----

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

Driller's Signature Charles F. Hebert

Driller's Address C.K.C. Drilling, P.O. Box 670,

Missoula, Montana LICENSE NO. 185

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	3	Broken rock and clay
3	37	Rock with seams of clay
15	15	Static water level
37	37	Seep of water
37	72	Rock
72	82	Rock with seams of water
82	87	Rock

87 Show exact depth of bottom

STATE OF MONTANA, }ss.
County of Missoula

Charles A S Rigg Helen A Rigg having first been duly sworn, depose and say that They of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the persons whose name are subscribed thereto, as the appropriator and claimant, that They know the contents of said foregoing notice and that the matters and things therein stated are true.

Charles A S Rigg
Helen A. Rigg

Subscribed and sworn to before me, this 14 day of February, 19 72

Louise Hyndman
Notary Public for the State of Montana.

Residing at Missoula, Mont

My Commission expires May 16 1973

NOTARIAL SEAL STATE OF MONTANA

202453
R- 13.25

WELL REPORT

CHARLES A. S. RIGG &
HELEN S. RIGG

TO

THE PUBLIC

STATE OF MONTANA } ss
County of Lake
Filed on the 27 day of Feb. A.D. 19 72 at 11:30 o'clock A M
Ethel M. HARDING
County Clerk and Recorder
By [illegible] Deputy.

GW 2

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

File No.....

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
JAN 28 1968

T 23 R 19
Friendship Villa Lot 64 Sec 7
County Lake

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)

Owner Freda A. &/or Vincent L. Farnum Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 2/16/67 Date completed 3/5/67

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

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

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

Top of Ground

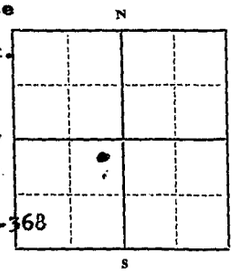
(Elev. above sea level Approx. 2952')

Formations Log:

0 - 2 Black dirt.
2 - 66 Tan silty clay
66 - 107 Brown silty sand, seeps of water.
107 - 109 Tan sandy clay & gravel mixed.
109 - 137 Brown silty sand, seeps of water.
137 - 177 Tan clay & gravel mixed.
177 - 181 Sand, gravel & some tan clay. Seeps of water.
181 - 202 Tan clay &
202 - 221 Yellow broken rock. Silty water. SWL 27' from surface.
221 - 267 Hard gray rock
267 - 271 Fractured light gray rock with brown alternate layers. 3 GPM
271 - 312 Light gray rock.
312 - 316 Fractured light gray rock with brown alternate layers.
316 - 354 Dark gray rock. Almost black.
354 - 357 Yellow to tan rock, broken. 6 GPM
357 - 381 Dark gray almost black rock. Some fractures 356-368 2 GPM
381 - 390 Broken gray rock. 9 GPM
Total 20 GPM

Friendship Villa

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	224	N O N E		



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

Static Water Level for non-flowing well 27 feet.

Shut-in Pressure for Flowing Well Non-f

Pumping Water Level 250 feet at 20 gal. per minute.

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

How Tested Air Lift Pump

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 267 feet. 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 75% of the tested capacity of the aquifer.

¼ Sec. 7 T 23 R 19

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).

Approx Acres

Water rises in the well 27 feet from surface.

Show exact depth of bottom.

Bottom of hole 390'

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

44,941

R-1137

187584

Well Report

Freda A. & Vincent L

Farnum

to

The Public

STATE OF MONTANA
County of Lake } ss
Filed on the 24 day of Jan
A.D. 69 at 8:45 o'clock A.M.
ETHEL M. HARDING
County Clerk and Recorder
By Jewell Blatz Deputy

2.00

23N-19W 7

County Lake

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
SEP 27 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

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 Samuel Gary

Address 1776 Lincoln Street

Denver, Colorado 80203

Date well started July 11, 1972

completed July 13, 1972

For Administrator's Use
File R-1385 205823
Sept. 26, 1972 - 11:42 a.m.
GW 1

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

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

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

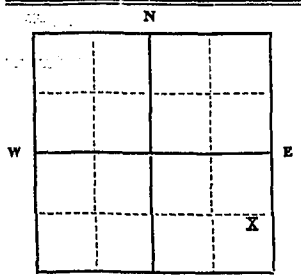
Industrial [ ] Drainage [ ] Other [ ]* Garden/Lawn [X]

*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 13,140,000 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 x 1/4"	+1'6"	62'	NONE		



Static water level 59 ft.*

Pumping water level 168 ft.*

at 25 gallons per minute, measured 240 minutes after pumping began.

*Measured from ground level.

Well developed by Air Lift Pump for 1½ hours.

Power Diesel Pump 150 HP

Remarks: (Gravel packing, cementing, packers, type of shutoff) Rubber packer was attached to bottom of the six inch casing and the casing was grouted in place with 10 sacks of cement. Note: Cont'd

Portion of Lots 4,5,7

SE¼ Se¼ Sec. 7

T. 23 N R. 19 E

wrong location

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

Driller's Signature Liberty Drilling Co. [signature]

Driller's Address Route 2

Kalispell, 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) 2950

From (Feet)	To (Feet)	
0	1	Topsoil
1	11	Broken rock mixed in tan clay
11	56	Dark gray rock
56	64	Green rock
64	71	Gray, green and brown rock in thin alternate layers
71	216	Dark blue-gray rock
216	238	Gray, tan and brown rock in thin alternate layers. Seeps of water
238	245	Dark blue-gray rock
245	285	Gray, tan and brown rock in thin alternate layers. 12 gallons per minute
285	331	Light gray rock. Water. 25 gallons per minute

331 Show exact depth of bottom

Water Rises in well 59 feet from surface.

51, 465

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 60 to 70 percent of the tested capacity of the aquifer.

Re- 1385

WELL REPORT

SAMUEL GARY

TO

THE PUBLIC

STATE OF MONTANA
County of Lewis

Filed on the 26 day of July
A.D. 19 72 at 11:42 o'clock A.M

ETHEL M. HARDING
County Clerk and Recorder

By [signature] Deputy

23N-19W 7

County Lake

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

MONTANA WATER RESOURCES BOARD
RECEIVED
AUG 11 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 Frank Head

Address 712 Longstaff
Missoula, Montana 59801

Date well started April 16, 1971

completed April 20, 1971

For Administrator's Use
File R-229 199602
August 9, 1971
1:25 PM
GW 1

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

Equipment used Churn Drill (Churn drill, rotary or other)

Water Use: Domestic ☑ Municipal ☐ Stock ☐ Irrigation ☐

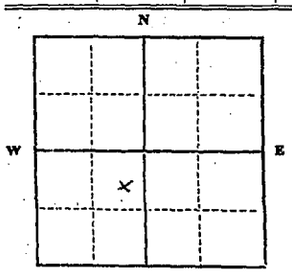
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6" I.D.	6" I.D. 17 lb per ft.	2' above g.l.	126'			



Lot 6
NW ¼ Sec. 7
T. 23 N/S R. 19 E/W

Static water level 10 ft.*
Pumping water level 30 ft.*
at 17 gallons per minute,
measured 5 minutes after pumping began.
*Measured from ground level.
Well developed by test pump
for 4 hours.
Power Elec. Pump ½ HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Glenn Camp
Camp Well Drilling & Pump Supply
Driller's Address 1522 S. 14th W., Missoula, Montana

LICENSE NO. 7

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	Well: Finley Point
0	5	Sandy Clay
5	98	Sand and water
98	110	Silty clay & a few small rocks
110	122	Silty Clay & Gravel
122	126	Sand Gravel & Water

126' Show exact depth of bottom

48856

R-1279

199602

WELL REPORT

FRANK M. HEAD

TO

THE PUBLIC

STATE OF MONTANA
County of Lake } ss

Filed on the 9 day of Aug.
A. D. 19 91 at 1:15 o'clock P.M
ETHEL M. HARDING
County Clerk and Recorder
By Janice Bassmann
Deputy
200

Con't: 5 sacks of cement. All water entering well through cracks and seams in the rock below 136 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 50 to 60 percent of the tested capacity of the aquifer.

#200496

R-1295

WELL REPORT

MARIE E. REBER

TO

THE PUBLIC

STATE OF MONTANA (ss
COUNTY OF LAKE (

FILED ON THE 13 day of October A.D. 1971 at 12:05 o'clock P.M.

ETHEL M. HARDING

By [signature]

2.00

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—43642

File No.....

STATE WATER CONSERVATION BOARD

JUN 16 1967

T. 23N R. 19W

County Lake

DUPLICATE

LOG

Bills ..... McDermott ..... STATE OF MONTANA
Butzer ..... Morton ..... ADMINISTRATOR OF GROUNDWATER CODE
Coyle ..... Sullivan ..... OFFICE OF STATE ENGINEER
Darlinton .....
Dickart .....

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

0-16	Pit
16-61	Silty sand and water
61-69	Clay
69-77	Silty Sand
77-88	Clay and silty sand
88-128	Silty sand and water
128-157	Clay
157-160	Clay, sand & some signs of gravel
160-174	Silty sand & water
174-180	Clay
180-182	Silty sand, clay & sign of gravel
182-195	Silty sand, water
195-197	Silty sand and gravel, water
197-199	Sand, gravel & water

Show exact depth of bottom.

Owner Fred E. Thieme Address Finley Point 1522 S. 14th

Driller Glenn Camp Address Missoula, Montana

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

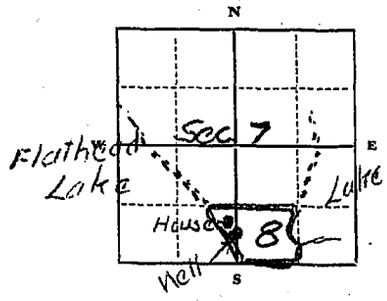
Date well started May 12, 1967 Date completed May 22, 1967

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" I.D.	6" I.D. 17 lb per ft.	5'2" below top of pit	194'		None	



Lot 8 Sec. 7 T. 23N R. 19W

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

Static Water Level for non-flowing well from top of pipe 4'11" feet.

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

Pumping Water Level 20 feet with 15' drawdown at 100 gal. per minute.

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

How Tested Compressor

Length of Test 4 hours

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

.....(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.

License # 7
Driller's License Number

Glenn Camp
Driller's Signature. Glenn Camp

42,065

R-1073

180144

STATE OF MONTANA }
County of Lake } ss

Filed on the 13 day of June
A. D. 1967 at 11:20 o'clock A M
ETHEL M. HARDING
County Clerk and Recorder
By Mae Johnson
Deputy

2.00