GW 3

File No.....

DUPLICATE

RECEIVED
FEB 11 1964
STATE ENGINEER

T. 9 N. R. 2W

County Jefferson

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

DEC 30 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

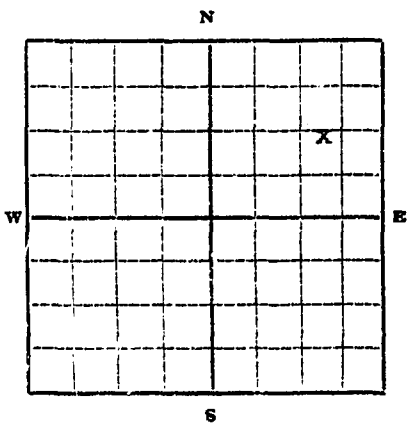
Date of Appropriation of Groundwater About 1895

Owner Harold B. Cochran Address East Helena

Contractor (if any) none

Address of Contractor -------

by owners--Date Started 1895 Date Completed 1929



NE ¼ Sec. 15 T. 9 R. 2W

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

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable This spring was dug out and used for livestock around 1895 and then in 1929 cleaned out and walled up about 5 feet and piped into the house and for livestock.

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

This water is used for the house and to water about 150 head of cattle the year around.

Signature of Owner Harold B Cochran

Date Dec 28 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.

34886

83253

RECORDER'S OFFICE,
Jefferson County, Montana } ss.

Filed for record this 31 day of Dec
A. D. 19 63 at 10 06 o'clock A M.

Alta M. Dawson
County Recorder

Fees, $ 2 00

GW 3

File No.....

T 9 R 2 WEST

DUPLICATE

County JEFFERSON

RECEIVED

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 1940

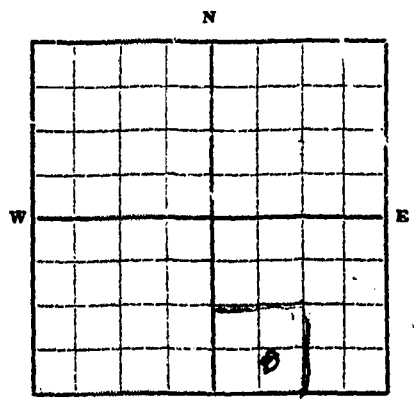
Owner ALVIN W. & JOSEPHINE J. PALMER Address BOX 215 EAST HELENA MONTANA

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. SMALL WELL THAT RUNS OVER. WATER SINKS IN GROUND IN ABOUT 200 FEET



LOT 6
SW 1/4 SE1/4 Sec. 18 T. 9 R2 W.

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 CAN BE USED ALL YEAR AROUND IF NECESSARY FOR STOCK WATER.

Signature of Owner Josephine J. Palmer

Date Dec. 31 1962

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

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

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

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

3557

81936

RECORDER'S OFFICE }
Jefferson County, Montana } ss.

Filed for record this 7 day of February
A. D. 1963 at 10 32 o'clock A. M.

Alta M. Dawson

Fees, $ 1.00

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
APR 1 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES & CONSERVATION

County Jefferson

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 L Hansen

Address Star Rt
Box 112 Clancy

Date well started April 16-72
completed April 18-72

For Administrator's Use
File 98452
April 12, 1973
GW 1 11:05 a.m.

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

Equipment used Rotary (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

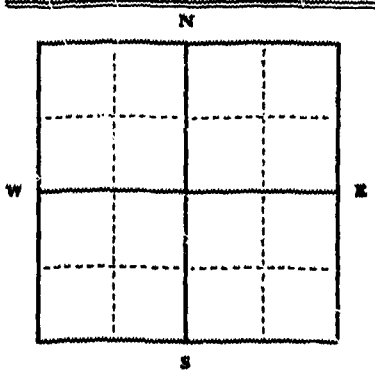
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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"	17 lb	0	21	Lawn	21	100



SW ¼ SE ¼ Sec. 18
T. 9 (N) R. 2 E
(S) (W)

Static water level 17' ft.*
Pumping water level 95' ft.*
at 2 gallons per minute,
measured 120 minutes after pumping began.
*Measured from ground level.
Well developed by air
for 3 hours.
Power Elec. Pump 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Wesley Lindsay

Driller's Address Clancy Montana

LICENSE NO. 38

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	6	Topsoil & sand
6	27	decomposed granite
27	100	Blue granite

100 Show exact depth of bottom

52,882

98452

RECORDER'S OFFICE
Jefferson County, Montana } ss.
Filed for record this 12 day of April
A.D. 1923 at 11 05 o'clock A M
James P. McFarlane
Fees, $2.00 County Recorder

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

County Jefferson

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 Mary M. Amundson

Address Clancy

Montana

Date well started April 15, 1972

completed April 18, 1972

For Administrator's Use
File 98077
Jan 9 1973
9:55 A.M.
GW 1

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

Equipment used Churn
(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

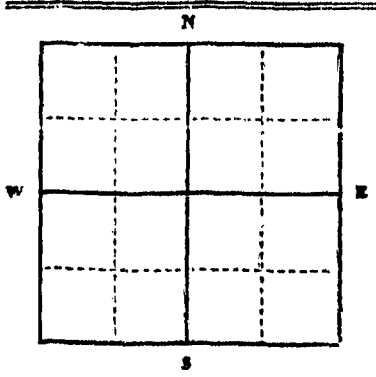
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 50,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	17 lb	0	30 ft.		Linear	
					30	90



Static water level 18 ft.*
Pumping water level 85 ft.*
at 2 - 3 gallons per minute,
measured 120 minutes after pumping began.
*Measured from ground level.
Well developed by air
for 2 hours.
Power Elec. Pump ¾ HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Sec. ¼ S.E. ¼ Sec. 18
T. 5 N/S R. 2 E/W

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

Driller's Signature Wesley Lindsay

Driller's Address Clancy Montana

LICENSE NO. 38

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	topsoil
5	24	Semi-hard granite
24	90	Blue Granite

90 Show exact depth of bottom

52.182

98077

RECORDER'S OFFICE
Silver Bow County, Montana } ss.
Filed for record this 9 day of Jan
A.D. 1923 at 9:55 o'clock A M.
~~Joanna O. Matlack~~ County Recorder
Fee $2.00

By Carla A. Matlack, dep

GW 2 Revised 1967
13—3M—10/69

County Jefferson

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 Roland Hill

Address Montana City

For Administrator's Use
File 95041
August 23, 1971
1:10 p.m.
GW 1

Date well started OCT 70

completed OCT 70

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

Equipment used Churn
(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

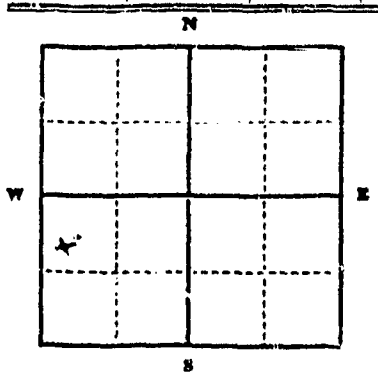
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 70,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	1 7/16	0	21	LINEAR	21	50



NW ¼ SW ¼ Sec. 18
T. 9 N R. 2 E/W

Static water level 38 ft.*
Pumping water level 48 ft.*
at 3 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by Bailer
for 2 hours
Power Elec. Pump 2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Wesley Lindsay

Driller's Address Clancy Montana

LICENSE NO. 38

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	Topsoil
3	19	Decomposed Granite
19	24	Semi Hard Granite
24	50	Hard Blue Granite

50 Show exact depth of bottom

48924

95041

RECORDER'S OFFICE
Jefferson County, Montana } ss.
Filed for record this 23 day of Aug.
A. D. 19 71 at 1:10 o'clock PM
Jeanne R. McFarland
County Recorder
Fees, $2.00

by Carla A. Matthews
Dep

GW 3

File No. .....

DUPLICATE

T 9 R 2 WEST

County JEFFERSON

RECEIVED

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)

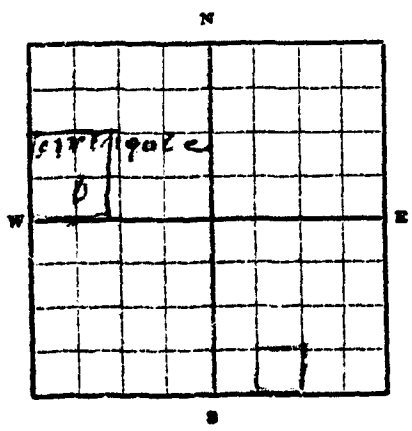
Date of Appropriation of Groundwater 1924

Owner ALVIN W. & JOSEPHINE J. PALMER Address BOX 215, EAST HELENA MONTANA

Contractor (if any) .....

Address of Contractor .....

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



SW 1/4 NW 1/4 Sec. 18 T. 9 R. 2 W

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

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. WATER COMES TO TOP OF GROUND, HAVE SLIPPED OUT A HOLE FOR STOCK AND IN TIME HOPE TO USE SOME FOR IRRIGATION. HAS BEEN USED FOR IRRIGATION IN THE PAST.

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 AROUND. WATER RUNS WINTER AND SUMMER. WATER SLIPS AFTER RUNNING 200 FEET.

Signature of Owner Josephine J. Palmer

Date Dec. 31, 1962

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

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

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

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

3556

81935

RECORDER'S OFFICE }
Jefferson County, Montana } ss.

Filed for record this 7 day of February
A. D. 1963 at 8:31 o'clock A. M.

Alta M. Dunsmore

Fees, $ 1.00

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

County Jefferson

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 Mr. & Mrs. Brandy

Address Montana City

MAIL ADDRESS: Montana 915 W. Cascade - Butte, Mt.

Date well started July 1 - 72

completed July 3 - 72

For Administrator's Use
File 96997
Sept. 11, 1972 - 9:00 a.m.
GW 1

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

Equipment used Churn (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

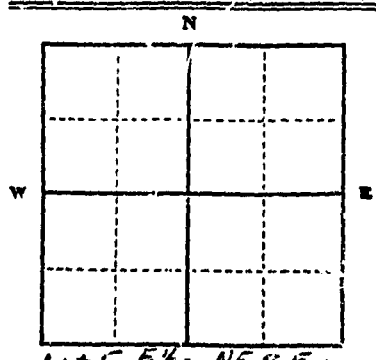
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 40,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	17 lb.	0	24	Linear	24	80



Lots 5, E½ NE SE, NE of Lot 19 Blk 19
¼ ¼ Sec. 19
T. 6 N R. 2 W

Static water level 1 ft.*
Pumping water level 25 ft.*
at 3 gallons per minute,
measured 120 minutes after pumping began.
*Measured from ground level.
Well developed by air
for 2 hours.
Power elec. Pump 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Wesley Lindsay

Driller's Address Clancy Montana

LICENSE NO. 38

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	Topsoil & Overburden
5	21	Semi hard granite
21	80	Blue granite

80 Show exact depth of bottom

51,349

96997

RECORDER'S OFFICE
Jefferson County, Montana } ss.

Filed for record this 11 day of Sept.
A. D. 1972 at 9:00 o'clock A M.

Jeanne P. McFarlane
County Recorder

Fees. $ 2.00

9N 2W

County Jefferson

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

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 Clayton Dalin

Address 1220 11th Ave.

Helena, Montana 59601

Date well started 9/23/71

completed 9/24/71

For Administrator's Use
File 96165 April 6, 1972
2:05 p.m.
GW #

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

Equipment used Rotary (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

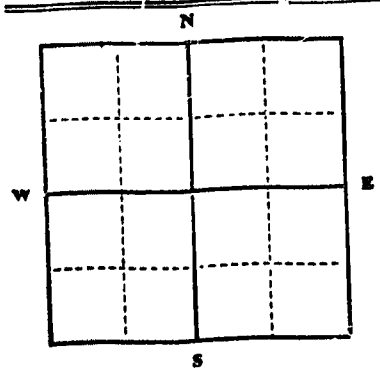
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 5/8" od	1' ag	20'			
	4" pvc plastic	10'	138'	skill saw	118'	148'



SW ¼ SE ¼ Sec. 19
T. 9 N/S R. 2 E/W

Static water level 26 ft.*
Pumping water level 142 ft.*
at 7½ gallons per minute,
measured 91 minutes after pumping began.
*Measured from ground level.
Well developed by test pumping
for 2 hours.
Power ..... Pump 2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature O'Keefe Contracting Company
Thomas Marshall

Driller's Address 2804 Harvard Ave.

Butte, Montana 59701 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'	30'	granite
30'	148'	lime

148' Show exact depth of bottom

50,150

96166

RECORDER'S OFFICE
Jefferson County, Montana } ss.

Filed for record this 6 day of April
A.D. 19 22 at 2 05 o'clock P M.

Jennie O. McFarlane
County Recorder

Fees, $2.00

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

County JEFFERSON 1

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 S. Dell, JR

Address P.O. Box 366
Helena, Montana

Date well started Aug 11, 1972
completed Aug 12, 1972

For Administrator's Use
File 97787
Nov. 16, 1972 1:45 p.m.
GW 1

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

Equipment used Rotary (Churn drill, rotary or other)

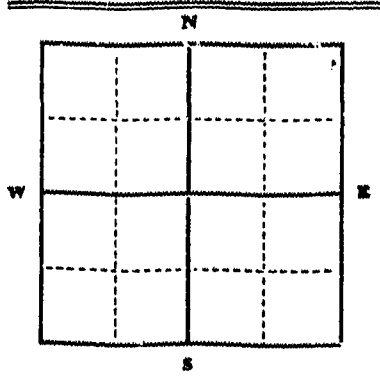
Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 60,000 Gals

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	17#	0	18	Liner	10	170



Static water level 20 ft.*
Pumping water level ft.*
at 7 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by AIR
for 3 hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)
Lot Fifty Seven (57) Saddle Mountain Estates

¼ ¼ Sec.
T. N/S R. E/W

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

Driller's Signature Wesley Lindsay

Driller's Address Clancy Montana

LICENSE NO. 38

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	Topsoil
5	40	Decomposed Granite
40	170	Blue Granite
		4" D Forced
		between 150 & 170 FT

170 Show exact depth of bottom

51,825

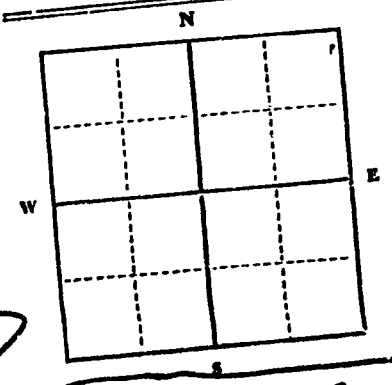
97787

RECORDER'S OFFICE
Jefferson County, Montana } ss.
filed for record this 11 day of Dec
A.D. 19 72 at 1:45 o'clock P.M.
James P. McFarlane
Clerk
Fee $4.00

and Addition). .....

ESTIMATED ANNUAL WITHDRAWAL 60,000 GALS

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	17#	0	18	LINCE	10	170



Static water level 20 ft.*
Pumping water level ..... ft.*
at 7 gallons per minute,
measured ..... minutes after pumping began.
*Measured from ground level.
Well developed by AIR
for 3 hours.
Power ..... Pump ..... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) LOT. Fifty Seven (57) Saddle mountain Estates

?

SE ¼ SE ¼ Sec. 19 ..... 2 W. E

urces and Conservation

ell Building
tana 59601

Owner Charles S. Dell, Jr.
Address Box 366, Helena, 59601
Location T. 2 R. 2 Sec. 2
Doc. No. 97787

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

Special Instructions: Please provide, as indicated in red on the attached form, the complete location of the well by section, township and range.

Thank You.

All deeds to Saddle mountain Estates
Refer to Lot #5 - Plat on file w/
Clerk & Recorder Jefferson County
DNt understand why you
needed the addition al info C Charlie Dell

Equipment used: FLTRAY

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

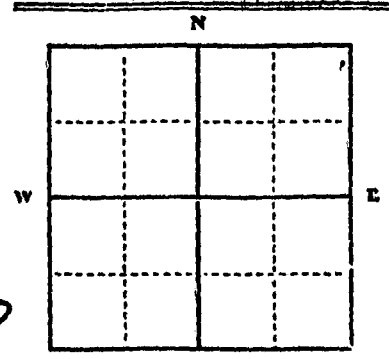
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 60,000 GALS

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	17#	0	18	Liner	10	170



Static water level 20 ft.*
Pumping water level ft.*
at 7 gallons per minute, measured minutes after pumping began.
*Measured from ground level.
Well developed by AIR
for 3 hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) LOT. Fifty Seven (57) Saddle mountain Estates

?

SE ¼ SE ¼ Sec. 19
T. 9 N. N/S R. 2 W. E/W

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

Driller's Signature Wesley Price
Driller's Address Clancy Montana
LICENSE NO. 38

170 Show exact depth of bottom

51,825

9N 2W 19

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

County Jefferson

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 Mr & Mrs Meyerhein

Address Montana city

Date well started May 2, 1971

completed May 3, 1971

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 ☐* Garden/Lawn ☐

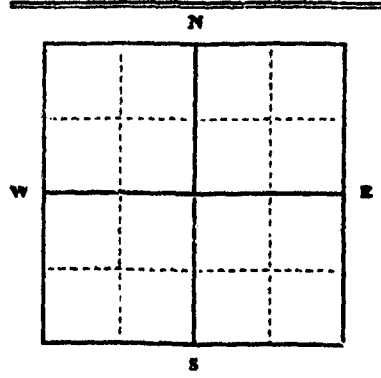
*Describe

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

For Administrator's Use
File 98741
June 18, 1973
GW 1 456 pine

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	1716	0	33		33	180



N.E. ¼ S.W. ¼ Sec. 19
T. 9 (N) S R. 2 E (W)

Static water level 18 ft.*
Pumping water level 180 ft.*
at 3 gallons per minute,
measured 120 minutes after pumping began.
*Measured from ground level.
Well developed by air
for 2 hours.
Power Elec. Pump 3/4 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 Wesley Lindsay

Driller's Address Clancy Montana

LICENSE NO. 58

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	Topsoil
5	33	Some dark granite
33	180	Blue granite

180 Show exact depth of bottom

53,612

98791

RECORDER'S OFFICE
Jefferson County, Montana } ss.
Filed for record this 18 day of June
A. D. 1973 at 11:52 o'clock A M.
James R. McFarlane
County Recorder
Fees, $2.00

91-20 19

2 GW 3 Revised 1969
191—1500—10/69

County JEFFERSON

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

Developed After January 1, 1962

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

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

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

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

For Administrator's Use

File 94618
June 7, 1971
11:25 AM

GW 1

Owner GEORGE B. + JEAN L. MERGENTHALER

Address 320 N. DAVIS, HELENA, MT.

Contractor (if any) OWNER

Address of Contractor SAME

Date Started 1930 Date Completed 1930

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) DEVELOPED SPRINGS (4)

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

3. Depth of water table UNKNOWN

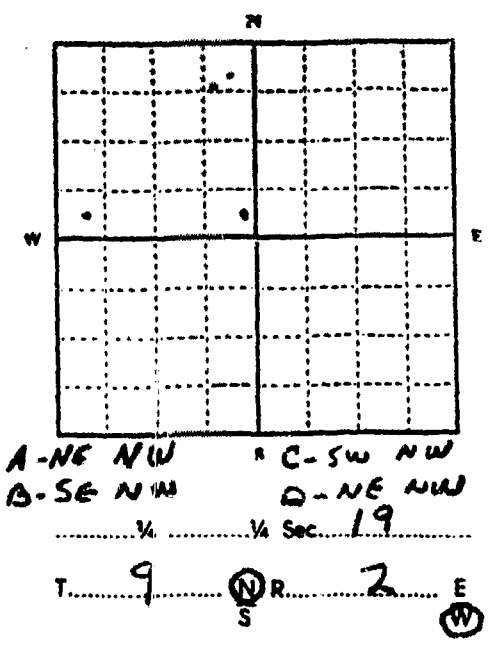
4. Use of the water STOCK + DOMESTIC

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 10 GPM FROM EACH OF THE 4 SPRINGS

6. If used for irrigation, give number of acres and description of land NOT APPLICABLE

7. Estimate amount of water used each year UNKNOWN

8. Months of year spring flows SPRINGS FLOW YEAR AROUND



INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE. Elevation of spring, if known or estimated APPROXIMATELY 4800'

Signature of Owner George B. Mergenthaler

Date

48573

94618

RECORDER'S OFFICE
Jefferson County, Montana
Filed for record this 7 day of June
A. D. 19 77 at 11:25 o'clock A. M.
Janice R. McFarlane
County Recorder
Fees, $2.00
By Carla O. Matlock
Dep

9N-2W-19

County Jefferson

GW 2 Revised 1969
STATE PUBLISHING COMPANY

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 Mr & Mrs Meyerhofer

Address Montana City

Montana

Date well started May 3 - 1972

completed May 10 - 1972

For Administrator's Use
File 98790
June 18, 1973
GW 1 11:45 a.m.

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

Equipment used Churn (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

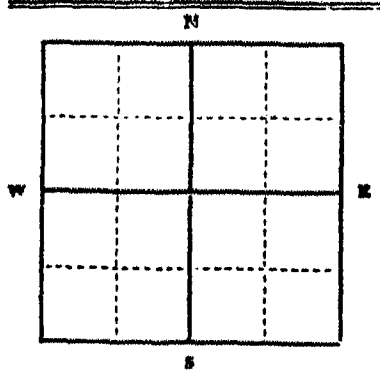
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 50,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	1716	0	45			
		45	82			



N.E. ¼ S.W. ¼ Sec. 19

T. 9 (N) S R. 2 E (W)

Static water level 33 ft.*

Pumping water level 80 ft.*

at 6 gallons per minute,

measured 60 minutes after pumping began.

*Measured from ground level.

Well developed by Bailer

for 3 hours.

Power Elec. 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 Wesley Lindsay

Driller's Address Clancy Montana

LICENSE NO. 38

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	Topsoil & Sand
5	23	Decomposed granite
23	45	Loose brown granite
45	85	Hard granite

85 Show exact depth of bottom

98790

98790

RECORDER'S OFFICE
Jefferson County, Montana
Filed for record this 14 day of June
A.D. 1973 at 1:45 o'clock P.M.
Jennie O. McGuire
County Recorder
Fees, $12.00

GW 3

File No.

DUPLICATE

T 9 R 2 WEST

County JEFFERSON

RECEIVED

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)

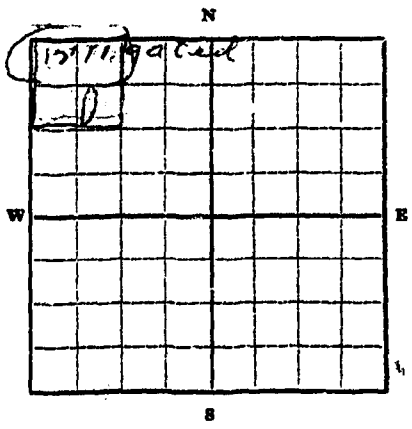
Date of Appropriation of Groundwater 1936

Owner ALVIN W. & JOSEPHINE J. PALMER Address BOX 215 EAST HELENA MONTANA

Contractor (if any) WM. F. LONG

Address of Contractor 916 - 9TH AVENUE - HELENA, MONTANA.

Date Started Oct 5 1958 Date Completed Oct 8, 1958



NW 1/4 NW 1/4 Sec. 19 T. 9N. R. 2 W.

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

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. THE WATER WAS RUNNING ON THE SURFACE FROM A SPRING. A DAM WAS DUG APPROXIMATELY 100 FT LONG, 50 FT WIDE AND 10 FT DEEP WITH A DRAG LINE.

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 AROUND FOR STOCK WATERING PURPOSES. WHEN USED FOR IRRIGATION THE DAM LOWERS ABOUT ONE FOOT IN THREE HOURS THREW A 3 INCH PUMP.

Signature of Owner Josephine J. Palmer

Date Jan 31 1962

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

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

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

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

3555

81934

RECORDER'S OFFICE.
Jefferson County, Montana } ss.

Filed for record this 7 day of February
A. D. 1963 at 10 30 o'clock A. M.

Etta M. Dunstan
County Recorder

Fees, $ 1.00

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—50551

File No.....

T. 9N R. 2W

DUPLICATE

County Jefferson

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

Top of Ground

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

0 to 34' clay and gravel

34' to 51' granite

making 12 gal.per min.

Owner H.C.Rhodes Address 503 Harrison, Helena

Driller Walter Riddock Address Helena, Mont.

Date of Notice of appropriation of groundwater August 20,1969

Date well started Aug. 23,1969 Date completed Aug.29,1969

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#	0	35	open hole to 51'		

Doc. No. 92905
Filed for record
this 13 day of May
A.D. 19 70, at 3:21
o'clock p M.

N W E S

S½NW¼ Sec. 19 T. 9N R. 2W

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

Static Water Level for non-flowing well 31 feet.

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

Pumping Water Level 45 feet

at 12 gal. per minute.

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

How Tested Bailer

Length of Test 2 hr.

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).

Show exact depth of bottom. 51'

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.

Mont. No. 42
Driller's License Number

Walter Riddock
Driller's Signature.

48472

92905

RECORDER'S OFFICE }
Jefferson County, Montana } ss.

Filed for record this 13 day of May
A. D. 197[illegible] at 3 21 o'clock P. M.

[illegible] County Recorder

Fees, $2.00

41-3 19

County Jefferson

STATE PUBLISHING COMPANY

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 John C. Tintinger

Address Rt. Box 63
Helena

Date well started Mar 7-72
completed Mar 10-72

For Administrator's Use
File 97751
Nov. 19, 1972 4:30 p.m.
GW ?

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

Equipment used Rotary (Churn drill, rotary or other)

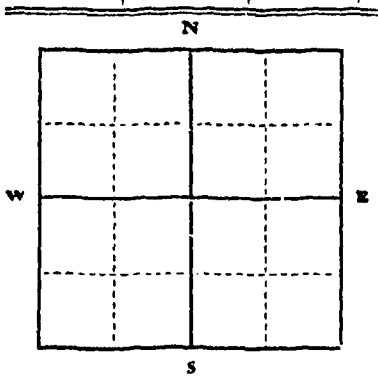
Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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"	17/6	0	33	Screen	33	154



Static water level 17 ft.*
Pumping water level 150' ft.*
at gallons per minute,
measured 100 minutes after pumping began.
*Measured from ground level.
Well developed by Comp.
for 3 hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

¼ ¼ Sec. 24-19
T. 9 N R. 3 E
S 2 W

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

Driller's Signature Wesley Lindsay

Driller's Address Clancy Montana

LICENSE NO. 38

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	12	Topsoil & gravel
12	33	Decomposed granite
33	154	Hard granite seams of clay

154 Show exact depth of bottom

51,826

911-260 19

County Jefferson

GW 2 Revised 1969
STATE PUBLISHING COMPANY

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 Mr John C. Tintinger

Address P.O. Box 63
Helena, Mt

For Administrator's Use
File 97252
Nov. 10, 1972 4:35 pm
GW 1

Date well started 10/30/72
completed 11/1/72

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

Equipment used ROTARY (Churn drill, rotary or other)

Water Use: Domestic [X] 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 80,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	17#	0	21	4" PLASTIC LINER	10	170

N
W E
S

Static water level 15 ft.*
Pumping water level ft.*
at 2 1/2 gallons per minute,
measured 180 minutes after pumping began.
*Measured from ground level.
Well developed by AIR
for 3 hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

¼ ¼ Sec. 24-19
T. 9 N R. 3 E/W

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

Driller's Signature Wesley Lindsay

Driller's Address Clancy Montana

LICENSE NO. 38

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	5	Topsoil
5	20	Decomposed granite
20	170	Blue granite

170 Show exact depth of bottom

51,827

GW

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

File No.....

T 9 N R 2 W

DUPLICATE

County JEFFERSON

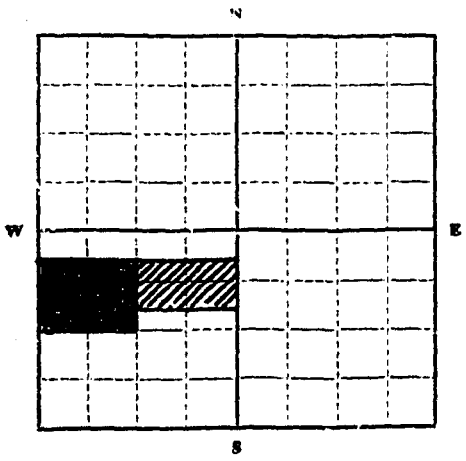
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUN 4 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. SCHUERMAN, BEATRICE M. (KROGMAN) of 615 N. RALEIGH ST., HELENA
(Name of Appropriator) (Address) (Town)
County of LEWIS & CLARK State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 - Sec 20 T 9N R 2W

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

■ = POINT OF APPROPRIATION.
▨ LANDS OF APPROPRIATOR

2. The beneficial use on which the claim is based STOCK-DOMESTIC - GARDEN

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1914 -- CONTINUOUS SINCE

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 MINERS INCHES

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
20 ACRES DESCRIBED AS FOLLOWS:
S½ NE NE SW, N½ S½ NE SW, Sec. 20 T.9N. R.2W. M.P.M.
= 20 ACRES SCHUERMAN, BEATRICE, M. (KROGMAN)

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater APPROXIMATE DATE OF COMPLETION 1914.

8. The depth of water table APPROXIMATELY 24"

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 EARTH DAM WITH WATER SURFACE AREA OF APPROXIMATELY 1,600 SQUARE FEET PLUS ONE 3' DIA. X 6' DEEP WELL.

10. The estimated amount of groundwater withdrawn each year DETERMINED BY TENANCY DURATION.

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 RECORD #34522 FILED APRIL 28, 1925 - BOOK 3, PAGE 100.

Signature of Owner Beatrice Schuerman

Date MAY 29, 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.

4557

82347

RECORDER'S OFFICE,
Jefferson County, Montana } ss.

Filed for record this 3 day of June
A.D. 19 63 at 8:15 o'clock A. M.

Ella M. Dawson
County Recorder

Fees, $ 1.00

W 3

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

20

File No.....

T. 9 North R. 2 West MPM

DUPLICATE

County Jefferson.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 20 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater July 10 1919

Owner Paul W/ Wood Address East Helena, Mont

Contractor (if any) none

Address of Contractor none

Date Started July 10 1919 Date Completed July 10 1919

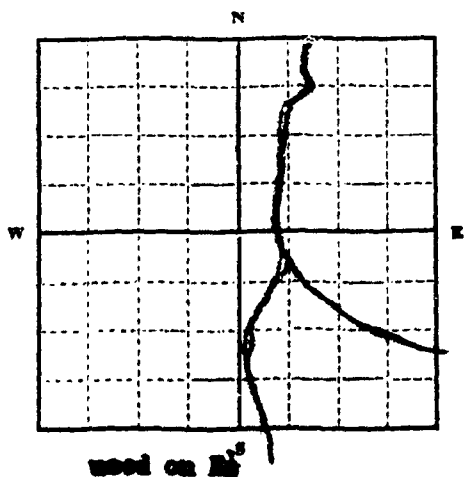
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. For domestic use various depths

used to water from 80 to 130 head of cattle

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

used from about May 1st to nov 15 each year

markings on my interte portion of creek from which water is used



used on my

¼ Sec. 20 T. 9 R. 2 W.

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

Signature of Owner Paul W. Wood by Jay W. Wood

Date October 18th 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.

7305

82 928

RECORDER'S OFFICE }
Jefferson County, Montana } ss.

Filed for record this 19 day of November
A. D. 1963 at 902 o'clock A. M.

[illegible]

Fees, $ 2.00

GV

Approved Stock Form—State Publishing Co., Helena, Montana—38657

File No.....

T 9 N ..... R 2 W MPM

DUPLICATE

County.....Jefferson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

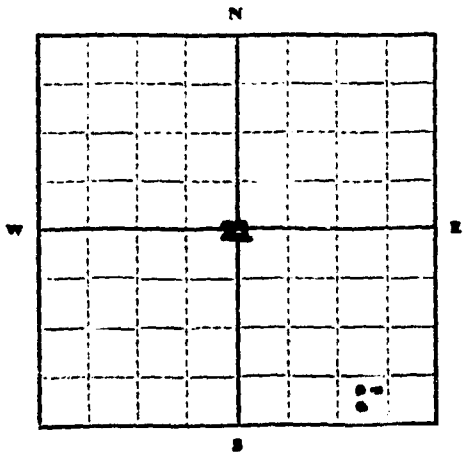
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
STATE ENGINEER

1. WARREN WOOD ..... of EAST HELENA, MONT.
(Name of Appropriator) (Address) (Town)

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



SW ¼ Sec. 22 T. 9N R. 2W

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.....
For livestock and domestic use including lawn and garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been #1 drilled well 76 ft. deep 1938
#2 open well 8 feet deep 1926
#3 drilled well 39 ft. deep 1946

4. The amount of groundwater claimed (in miner's inches or gallons per minute) #1 400 GPM continuous without going dry
#2 400 GPM indefinitely
#3 600 GPM indefinitely

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
used for lawns and gardens as well as livestock and domestic

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....#1 1938, #2 1926, #3 1957

8. The depth of water table #1. water level 12 feet from surface. #2 water level at top of ground
#3 water level 10 feet from surface

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....#1 drilled well 76 feet deep 9 inch casing
#2 open well 8 feet deep 8 feet square
#3 drilled well 39 feet deep 9 inch casing

10. The estimated amount of groundwater withdrawn each year.....not possible

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

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

Signature of Owner Warren Wood

Date.....Nov. 14th 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.

2551

81675

RECORDER'S OFFICE }
Jefferson County, Montana } ss.

Filed for record this 21 day of Nov.
A. D. 1962 at 1:53 o'clock A M.

Rhoda M. Madsson
County Recorder

Fees, $ 1.00

GW 3

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

22

File No. .....

T. 9 R. 2W

DUPLICATE

County Jefferson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 27 1964 STATE

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Jan 24-1964

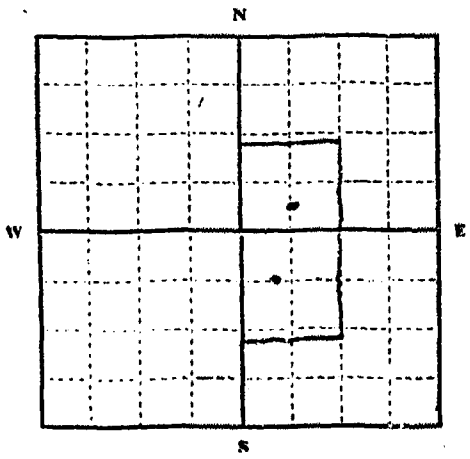
Owner Harley A. Ziesman Address Box 725 E. Helena

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 Springs



.....¼..... Sec. 22 T. 9 R. 2W

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

Continous

Signature of Owner Harley A. Ziesman

Date Jan 24-64

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.

33832

83498

RECORDER'S OFFICE,
Jefferson County, Montana } ss.

Filed for record this 24 day of January
A.D. 1984 at 2:00 o'clock P M.

Alice M. Dawson
County Recorder

Fees, $ 2.00

GW

Approved Stock Form—State Publishing Co., Helena, Montana—4855 3

File No. ..... MONTANA WATER RESOURCES BOARD RECEIVED FEB 2 1970

T 9N R 2W

DUPLICATE

County Jefferson

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

Top of Ground

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

0 - 8 ft
topsoil + clay

8 ft to 14 ft
Decomposed granite

14 ft to 29 ft
STATIC
Same Hard
granite

29 ft to 34 ft
Hard granite rock

Owner Jim Hohn Address Helena Montana

Driller Wes Lindsay Address Clancy Montana

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

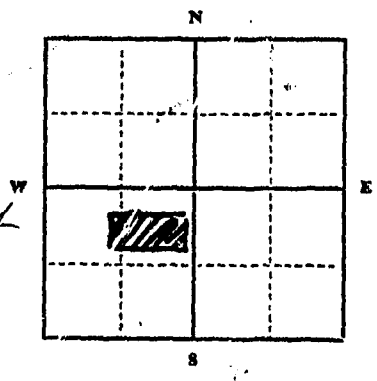
Date well started Oct 1967 Date completed Oct 1967

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

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

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"	17lb	0	33		none	



Static Water Level for non-flowing well 20 feet.

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

Pumping Water Level 29 feet at 6 DB gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailer

Length of Test 2 hrs

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

Doc. No. 92540
Filed for record this 30 day of January A. D. 19 70, at 2:00 o'clock p M.

SW ¼ Sec. 26 T9N R2W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

38
Driller's License Number

Wesley Lindsay
Driller's Signature.

46128

92540

RECORDER'S OFFICE }
Jefferson County, Montana } ss.

Filed for record this 30 day of Jan
A. D. 19 76 at 2:00 o'clock
Rita M. Dawson
Fee $ 2.00 Jeanne T McFarlane
Dep.

Gw 4
File No.....

DUPLICATE

T.....9 N.....R.....2 W.
County.....Jefferson

RECEIVED
JAN 3 1964
STATE ENGINEER

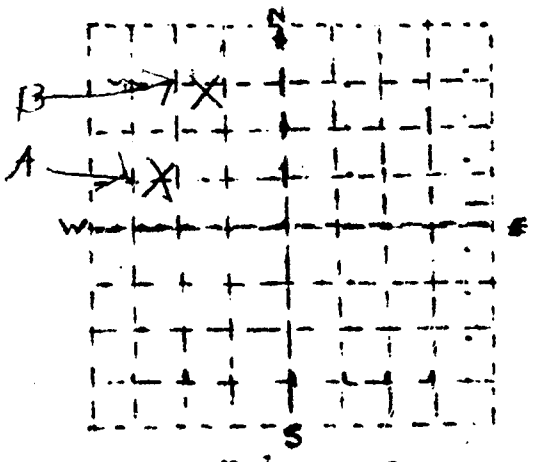
STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

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

1. George C. Kokoruda, of Box 113 East Helena
(Name of Appropriator) (Address) (Town)
County of Jefferson State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



.....1/4.....N. Sec.....28T.....9NR.....2W.

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.....
a. Domestic; stockwater, irrigation
b. Domestic

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
a. 1906 Continuous
b. 1952 Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
a. 20 GPM b. 20 GPM

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....
a. 1 acre

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
a. 1906 b. 1952

8. The depth of water table... Surface for both

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.....
A. Hand dug, rockwall, 4 ft. diameter, 15 ft. deep
B. Drilled, 30 feet, 6 inch casing

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

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

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

Signature of Owner George C. Kokoruda

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

1946

63221

RECORDER'S OFFICE
Madison County, Montana } ss.

Filed for record this 30 day of Dec.
63 at 2 05 o'clock P M.
Otto M. Hanson
County Recorder

Fees, $ 2 00

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
MAR 17 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Jefferson

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 Clarence C. Nelson

Address Box 4 Clancy Montana

Date well started Dec. 18, 1971

completed Dec. 23, 1971

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

Equipment used Churn
(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

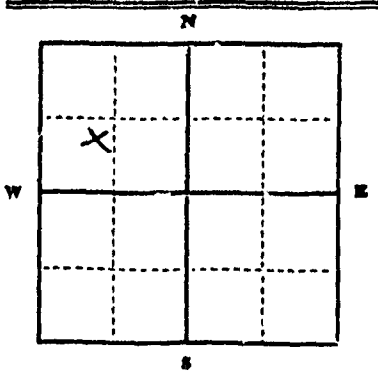
*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

For Administrator's Use
File 96083 March 16, 1972
1:15 p.m.
GW 1

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	17#	0	33			
		33	210			



Static water level 85 ft.*
Pumping water level 198 ft.*
at 5 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by air
for 3 hours.
Power Elec. Pump 3 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

¼ ¼ Sec. 28
T. 9 N R. 2 E
R.A.2. S W

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

Driller's Signature Wesley Lindsay

Driller's Address Clancy Montana

LICENSE NO. 38

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	22	Top soil & Decomposed Granite
22	30	Iron-Hard Granite
30	196	Hard blue Granite
196	198	Clay Seam
198	210	Blue Granite

210 Show exact depth of bottom

50,061

96083

RECORDER'S OFFICE
Jefferson County, Montana } ss.

Filed for record this 16 day of March
A.D. 19 72 at 1:15 o'clock P M.
Joanne R. McFarlane
County Recorder
Fees. $2.00

By Carla A. Matlock
Dep

N 3

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

File No.....

T. [redacted] R. 2 W. [redacted]

DUPLICATE

County.....Jefferson

RECEIVED

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)

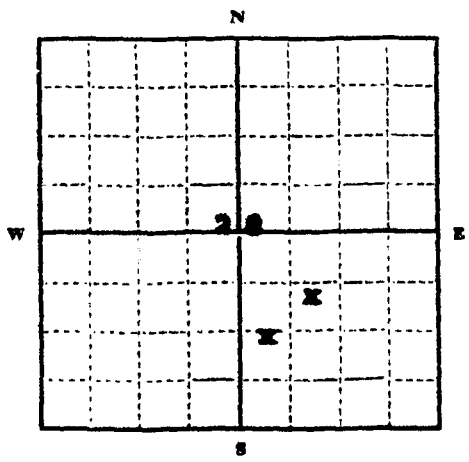
Date of Appropriation of Groundwater.....1915

Owner. Warren Wood ..... Address. PO Box A East Helena, Mont.

Contractor (if any) .....

Address of Contractor .....

Date Started.....1915..... Date Completed...1915.....



[redacted]¼..... Se[redacted]..... T[redacted]... R[redacted]....

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

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

#1 big spring

#2 spring flowing down deep gulch

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. Intermittent use, usually used from April 1st to Nov 1st for livestock from small ponds or beaver dams nearplace where it comes from ground

#1 will continuously flow a 3 inch pipe of water at a good rate of flow

#2 will continuously flow a3 inch pipe of water at a good rate of flow,

Signature of Owner Warren Wood

Date.....Nov 14th 1962

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

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

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

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

2548

81672

RECORDER'S OFFICE,
Jefferson County, Montana } ss.

Filed for record this 21 day of November
A. D. 1962 at 9:40 o'clock A. M.

[illegible]
County Recorder

Fee, $1.00

9N-2W 30

3 GW 3 Revised 1969
191—1500—10/69

County Jefferson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

Developed After January 1, 1962

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

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

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

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

For Administrator's Use

File 93449
September 8, 1970
9:45 A.M.

GW 1

Owner G. F. Brenkenridge

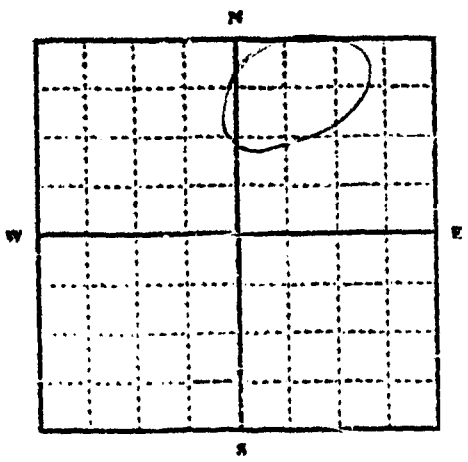
Address 1013 Lenlin, Helena, Mont.

Contractor (if any) None

Address of Contractor

Date Started ..... Date Completed

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



N1/2NE1/4 ¼ Sec. 30

T. 9 N/S R-W MPM E/W

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or estimated

2. Means of withdrawing water (gravity, pump, canal, etc.)
   Gravity
3. Depth of water table
4. Use of the water for stock
5. Amount of groundwater claimed (in miner's inches or gallons per minute)
   50 Gallons per minute
6. If used for irrigation, give number of acres and description of land
7. Estimate amount of water used each year Don't Know
8. Months of year spring flows Year Around

Signature of Owner G F Brenkenridge

Date 8-21-70

47449

93449

RECORDER'S OFFICE
Jefferson County, Montana } ss.

Filed for record this 3 day of Sept
A.D. 19[illegible] at [illegible] o'clock A.M.

[illegible] County Recorder

Fees, $ 2.00

MONTANA WATER RESOURCES BOARD
RECEIVED
OCT 19 1970

Form 3 GW 3 Revised 1969
191—1500—10/69

County Jefferson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

Developed After January 1, 1962

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

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

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

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

For Administrator's Use

File 93449
September 3, 1970
9:45 A.M.

GW 1

Owner G. P. Breckenridge

Address 1013 Leslie, Helena, Mont.

Contractor (if any) None

Address of Contractor

Date Started MAY 9 1908 Date Completed APRIL 12 1910

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

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

3. Depth of water table

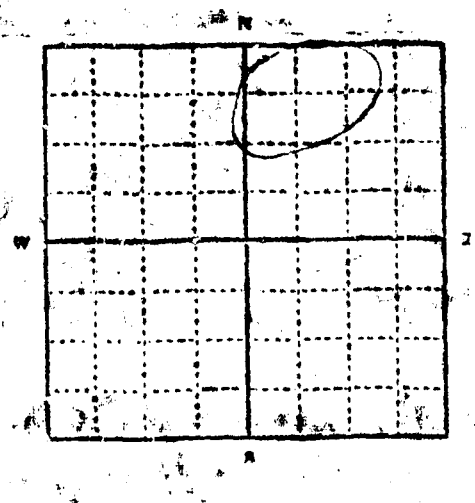
4. Use of the water for stock

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 50 Gallons per minute

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

7. Estimate amount of water used each year 26,280,000 GALLONS

8. Months of year spring flows Year Around



N1/2 N1/2 1/4 ¼ Sec. 30

T 9 N/S R 4 W MPM E/W

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or estimated

Signature of Owner G P Breckenridge

Date 8-21-73

47441

9N-2W

County LEWIS & CLARK 30

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
JUL 5 1973
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 G. P. BRECKENRIDGE

Address BOX 177
HELENA, MONTANA

Date well started 5-29-73

completed 5-31-73

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

Equipment used ROTARY (Churn drill, rotary or other)

For Administrator's Use	
File	9:350
	6-29-73
GW 1	4:30 pm

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

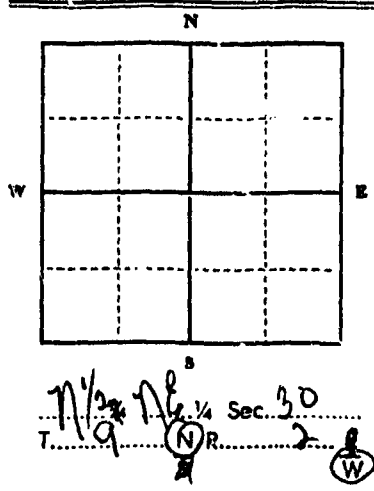
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 80,000 GALLONS

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	19#	0	15	4" LINER	10	200



N½ NE¼ Sec. 30
T. 9 N R. 2 W

Static water level 50 ft.*
Pumping water level ft.*
at 5 gallons per minute, measured 180 minutes after pumping began.
*Measured from ground level
Well developed by AIR
for 3 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 Terry Lindsay

Driller's Address Clancy, Mont.

LICENSE NO. 38

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	TOP SOIL
5	40	DECOMPOSED GRANITE
40	200	Blue granite
		H_2O found
		from 150-200 ft

200 Show exact depth of bottom

55085

98952

RECORDER'S OFFICE
Jefferson County, Montana } ss.
Filed for record this 29 day of June
A. D. 1973 at 4:30 o'clock P M.
James B. McFarlane
County Recorder
Fee: $ 2.00

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana—42345

File No.....

T. 9N R. 2W

DUPLICATE

County Jefferson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws 1961)

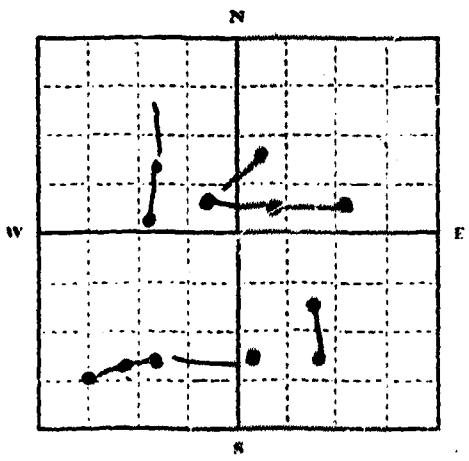
Date of Appropriation of Groundwater 1865.

Owner J. A. Wing Address Box 983 Helena

Contractor (if any) NA

Address of Contractor NA.

Date Started approx 1865 NA Date Completed approx 1870 NA



.....¼..... Sec. 30 T. 9N R. 2W

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

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

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

3) Depth of water table.....

4) Use of the water Household and Livestock

5) Amount of groundwater claimed (in miner's inches, or gallons per minute) 2000 GPM.

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

7) Estimate amount of water used each year 2000 GPM.

Signature of Owner J. A. Wing

Date 14 Aug 70

Doc. No. 93263
Filed for record
this 14 day of August
A. D. 19 70, at 3:30
o'clock P M.

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.

47366

93263

RECORDER'S OFFICE }
Jefferson County, Montana }

Filed for record this 14 day of Aug
A. D. 19 70 at 3:30 o'clock P M.
Alta M Dawson
County Recorder
Fee, $ 2.00 Joanne Gyde Gulleme
Deputy

MONTANA WATER RESOURCES BOARD
Water Resources Division
Mitchell Building
Helena, Montana 59601

Recently a copy of a groundwater appropriation form,

___ GW 1, Notice of Appropriation of Groundwater

___ GW 2, Notice of Completion of Groundwater Appropriation by means of Well

_X_ GW 3, Notice of Completion of Groundwater Appropriation without Well

___ GW 4, Declaration of Vested Groundwater Rights (This form is obsolete and was limited by law to use only through 1965)

was forwarded to this office by the County Clerk and Recorder.

This form is identified by

Owner J. A. Wing Address Box 983 Helena, Montana 59601

Location T. 9N R. 2W Sec. 30 Document No. 93263

___ This is to inform you that your GW form has been received and is complete as filed.

_X_ This is a request for additional information if available. Please complete the enclosed copy by providing information where indicated, or as noted here and return the corrected copy to the Montana Water Resources Board in Helena.

Please provide the dates of commencement and completion of the spring.

Springs are being continuously improved. A concrete cover was placed on the 20,000 gal tank in 1960.

___ Other.

This property was settled by Frank Merbarne, a teamster - wagon master of the Fisk expedition, in 1863. Several of these springs were developed in the next few years to water his oxen and mules and supply house water. They have been in continuous use since that time. J. A. Wing.

Signature of Owner J. A. Wing

Date 14 Aug 70

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

47366

4N R. 2W

County Jefferson.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

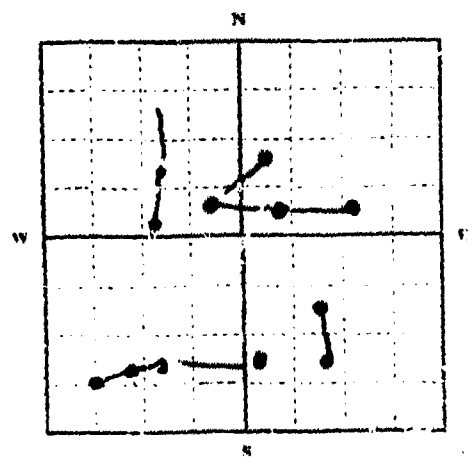
Date of Appropriation of Groundwater 1865.

Owner J. A. Wing Address Box 983 Helena

Contractor (if any) NA

Address of Contractor NA.

Date Started approx 1865 NA Date Completed approx 1870 NA.



¼ Sec 30 T 4N R 2W

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

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

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

3) Depth of water table

4) Use of the water Household and Livestock

5) Amount of groundwater claimed (in miner's inches, or gallons per minute) 2000 GPM.

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

7) Estimate amount of water used each year 2000 GPM.

Signature of Owner J. A. Wing.

Date 14 Aug 70

Doc. No 93263
Filed for record
this 14 day of Aug
A.D. 19 70, at 3:20
o'clock P M.

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.

47366

3

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

File No. .....

T. 9N R. 2W

DUPLICATE

County Jefferson

RECEIVED
OCT 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)

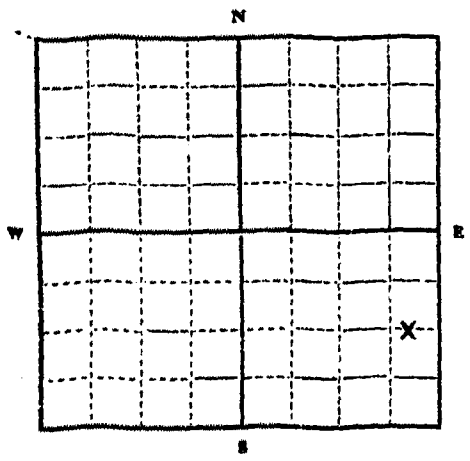
Date of Appropriation of Groundwater March, 1952

Owner V. J. Erickson Address P. O. Box 637, East Helena

Contractor (if any) None

Address of Contractor None

Date Started None Date Completed None



SE ¼ Sec. 32 T. 9N R. 2W.

Indicate point of appropriation and place of use, if possible

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

Natural flowing spring from side hill

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

Quantity of water not measured but would estimate the spring runs 50 gallons per day.

Permanent use of water for house and farm.

Signature of Owner V. J. Erickson

Date September 25, 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.

6120

3

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

32

File No _____

T. 5N R. 2W

DUPLICATE

County Jefferson

SW.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
OCT 1 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater March, 1958

Owner V. J. Erickson Address P. O. Box 537, East Helena

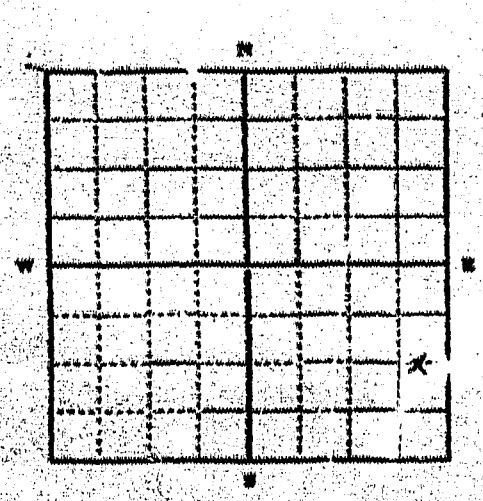
Contractor (if any) None

Address of Contractor None

Date Started None Date Completed None

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

Natural flowing spring from side hill.



SE ¼ Sec. 32 T. 5N R. 2W.
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.

Quantity of water not measured but could estimate the spring runs 50 gallons per day.

Permanent use of water for house and farm.

Signature of Owner V. J. Erickson

Date September 27, 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.

6120

82768

RECORDER'S OFFICE,
Jefferson County, Montana } ss.

Filed for record this 30 day of Sept.
A. D. 1963 2 00 o'clock

Alto M. Dunton
County Recorder

Fees, $ 2 00

GW 2 Revised 1969
STATE PUBLISHING COMPANY

County Jefferson

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 Violet & Clarence E. Jamieson

Address P.O. Box 315
Helena, Mont

Date well started June 20, 1972
completed June 20, 1972

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

Equipment used Rotary (Cable drill, rotary or other)

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

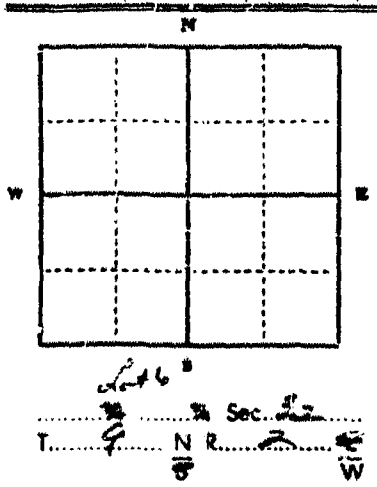
*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 80,000

For Administrator's Use	
File	96572
	July 10, 1972 300
GW 1	

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	17 LB	0	20	Screen	20	70



Lot 6
¼ ¼ Sec. 12
T. 9 N R. 2 E W

Static water level 10 ft.*
Pumping water level 60 ft.*
at 20 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by Air
for 2 hours.
Power Electric Pump 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Wesley Lindsay

Driller's Address Clancy Montana

LICENSE NO. 35

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	2	Topsoil & sand
2	15	Boulders
15	33	Semi hard Granite
33	70	Hard blue Granite

70 Show exact depth of bottom

50,872