

RECEIVED

111-362  
County Lewis Clark

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

DRILLER'S LOG

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

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.

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 Earl Hafer

Address Helna Valey

Date well started Aug 72

completed Aug 72

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

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

Water Use: Domestic  Municipal  Stock  Irrigation

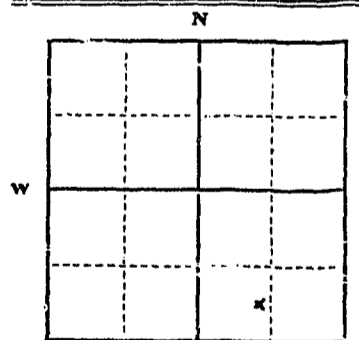
Industrial  Drainage  Other \* Garden/Lawn

\*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	From (Feet)	To (Feet)
62	17 lb	0	36	Torlon	27	36
				None		



Static water level 6 ft.\*  
Pumping water level 2 ft.\*  
at 2 gallons per minute,  
measured 2 minutes after pumping  
began.

\*Measured from ground level.  
Well developed by Bailing  
for 2 hours.

Power          Pump          HP

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

1/4 Sec. 7  
T. 44 N. R. 3 E. S. 1

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

Driller's Signature John Johnson

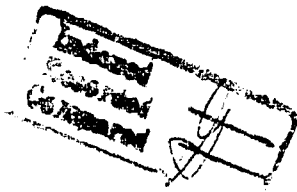
Driller's Address 335 Griffin Rd

LICENSE NO.         

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	5	Clay shale
5	6	red shale
6	21	gray clay
21	25	sand shale water
25	28	hard pan gray clay
28	32	shale
32	36	gravel sand clay water

36 Show exact depth of bottom

235222



STATE OF MONTANA }  
COUNTY OF LEWIS & CLARK } So

hereby certify that the within instrument was filed in my office on this 1 day of June A.D. 1973 at 10 min. past 1 o'clock P.M.

Records of Lewis & Clark County, State of Montana.

John Lovick  
County Recorder

By Carol Erickson  
Deputy

2.00

File No. ....

T. 11 N. R. 3 W.

County. Hill

DUPLICATE

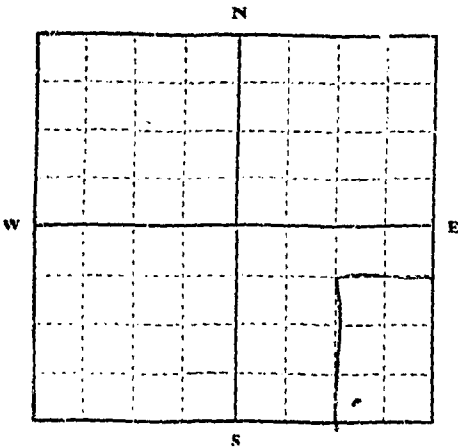
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 16 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Earl D. Gladys V. Hater, of 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:



1/4 Sec. 17, T. 11 N., R. 3 W.  
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based 3 houses and some irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been There are 3 levels 23, 40 to 55 feet

4. The amount of groundwater claimed (in miner's inches or gallons per minute) There are 3 levels 23, 40 to 55 feet

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

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 6 in casing about 60 feet deep

8. The depth of water table

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 3, 500, 000 Gallons of water

10. The estimated amount of groundwater withdrawn each year

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

Earl A. Hater  
Gladys V. Hater

Date 12-27-63

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

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

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

152313

Index  
Recor.  
Compa. *L*

STATE OF MONTANA }  
COUNTY OF LEWIS & CLARK } SS

I hereby certify that the within in-  
strument was filed in my office on  
this 10 day of Jan  
A.D. 1964 at 47 min. past  
11 o'clock a.M.

Records of Lewis & Clark  
County, State of Montana

*Delbert Daniel*  
County Recorder  
By *Norma Kelley*  
Deputy

2200

*7*

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 Ray Holden

Address Class Lane

Helena, Montana

Date well started Jan. 27, 1962

completed Feb. 26, 1962

For Administrator's Use	
File	<u>232668</u>
Date	<u>FEBRUARY 26, 1962</u>
Time	<u>1:00 p.m.</u>

Type of well drilled

(Dug, driven, bored or drilled)

Equipment used churn drill

(Churn drill, rotary or other)

Water Use: Domestic  Municipal  Stock  Irrigation

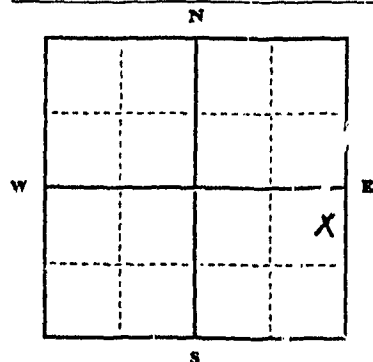
Industrial  Drainage  Other \* Garden/Lawn

\*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 33,760.00

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	Iron pipe 19 lb.	1.5'	30.5'	5" plastic SCREEN	27'	42'



NE 1/4 SE 1/4 Sec. 17  
T. 11 N. R. 3 E  
8 W

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

Driller's Signature James C. Mahlum

Driller's Address 232 E. Garden Ave. Helena

Helena, Montana 59601 LICENSE NO. 285

County \_\_\_\_\_

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)	
0.0'	0.5'	dark silty clay
0.5'	7.0'	tan silty sand gravel
7.0'	10.0'	reddish silty clay
10.0'	12.0'	light gravelly sand
12.0'	14.0'	reddish silty clay
14.0'	18.0'	medium gravelly sand with water
18.0'		Bottom of hole

21 Show exact depth of bottom

232668

STATE OF MONTANA }  
COUNTY OF LEWIS & CLARK } SS

I hereby certify that the within instrument was filed in my office on this 26 day of Feb A.D. 1923 at 5 min. past 1 o'clock P.M. and recorded on page      of Book      of      records of Lewis and Clark County, State of Montana.

*John Lovick*  
County Recorder

By *J. Jackson*  
Deputy

200

INDEXED  
RECORDED  
FILED

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 one copy 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 Denise R Wall  
Address Helena Valley  
Date well started AUG 72  
completed AUG 72

For Administrator's Use
File <u>228696</u>
<u>Oct. 27, 1972 - 9.10.72</u>
GW <u>1</u>

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

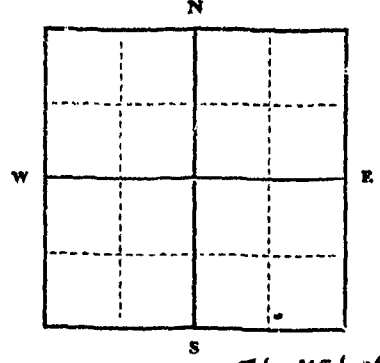
Equipment used Churn Drill (Churn drill, rotary or other)

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

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
6	17 lb	0	67			



Static water level 42 ft.\*  
Pumping water level 45 ft.\*  
at 8 gallons per minute,  
measured 30 minutes after pumping  
began.  
\*Measured from ground level.  
Well developed by Bailing  
for 1 hour.  
Power 1 Pump 1 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 John E. Johnson  
Driller's Address 335 Griffin Rd  
Helena Mont LICENSE NO. 155

County Lewis Clark

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	
0	3	Clay Shale
3	5	
3	5	fine red shale
5	10	Gray Clay water
10	23	red shale
23	27	Clay
27	35	hardpan
35	55	gray clay
55	65	brown clay
65	67	waterbearing sand gravel

67 Show exact depth of bottom

51,732

229696

Indexed  
Recorded  
CORRECTED

STATE OF MONTANA }  
COUNTY OF LEWIS & CLARK } SS

I hereby certify that the within instrument was filed in my office on this 27 day of Oct A.D. 1922 at 10 min. past 9 o'clock a. M. and recorded on page \_\_\_\_\_ of Book \_\_\_\_\_ of \_\_\_\_\_ Records of Lewis and Clark County, State of Montana.

*John J. Smith*  
County Recorder

*J. J. Smith*  
Deputy

200



File No. ....

T. 11 R. 3  
County Helena

DUPLICATE

MONTANA WATER RESOURCES BOARD  
**LOG RECEIVED** STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

FEB 24 1970

### 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.....)

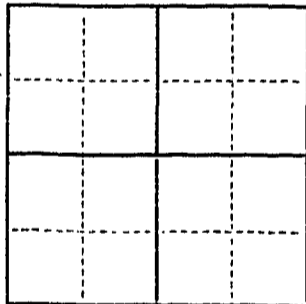
Soil

Red Rotton Shale

Muddy Sand & Water

Red Shale

Doc. No. 208256  
Filed for record  
this 13 day of February  
A. D. 19 70, at 8:40  
o'clock am.



Site 14 2<sup>s</sup> Sec 18  
Sup 11<sup>n</sup> Range 3 East  
1/4 Sec. T. R.

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

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

Water  
T.D.  
Show exact depth of bottom.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>6 3/4"</u>	<u>17x19 lb.</u>	<u>0</u>	<u>113</u>	<u>NO</u>		

Owner Gary W. Hodge Address .....

Driller A.F. Welch Address Helena, Mont.

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

Date well started June 20 Date completed June 25, 1968

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

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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

Static Water Level for non-flowing well 70 feet.

Shut-in Pressure for Flowing Well NO

Pumping Water Level 183 feet  
at 15 gal. per minute.

Discharge in gal. per min. of flowing well NO

How Tested Boiler  
Length of Test 2 Hrs

Remarks: (Gravel packing, cementing, packers, type of shutoff) NO

100

Driller's License Number

A.F. Welch  
Driller's Signature.

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

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

40195

208256

Indexed  
Recorded  
Compared

STATE OF MONTANA  
COUNTY OF LEWIS & CLARK

I hereby certify that the within instrument was filed in my office on this 13 day of Feb A.D. 19 70 at 40 min. past 8 o'clock A.M.

Records of Lewis & Clark  
State of Montana

*John J. Smith*  
County Recorder

*Carl Peterson*  
Clerk

*L. O.*

File No. ....

T. 11 R. 3

DUPLICATE

County Helena

LOG RECEIVED

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

FEB 24 1970

### 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.....)

Soil

Red Rotton Shale

Muddy Sand & Water

Red Shale

Doc. No. 208256  
 Filed for Record  
 this 22nd day of February  
 A. D. 1970 at Helena  
 Clerk aw

Owner GARY W. HOGE Address RT. 1 - HELENA MONT.

Driller A.F. Welch Address Helena, Mont.

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

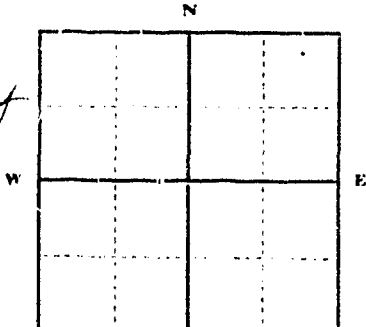
Date well started June 20 Date completed June 25, 1968

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

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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

Size of Drill-bit Size	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>6 3/8</u>	<u>17x19 lb.</u>	<u>0</u>	<u>113</u>	<u>NO</u>		



Static Water Level for non-flowing well 70 feet.

Shut-in Pressure for Flowing Well NO

Pumping Water Level 103 feet at 15 gal. per minute.

Discharge in gal. per min. of flowing well NO

How Tested Bailer

Length of Test 2 Hrs

Remarks: (Gravel packing, cementing, packers, type of shutoff) NO

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

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

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.

100  
Driller's License Number  
A. H. Welch  
Driller's Signature

46195

File No.

T. 11 R. 3

DUPLICATE

County LEWIS + CLARK

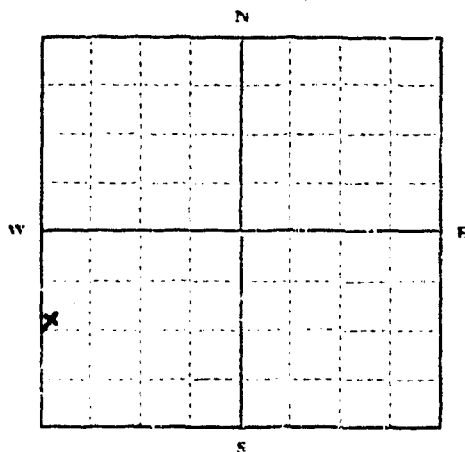
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

DEC 10 1963

Declaration of Vested Groundwater Rights

(Under Chapter 257, Montana Session Laws, 1961)

1. WALLACE LEE HOGE, of RURAL ROUTE 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. 18 T. 11 R. 3

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

2. The beneficial use on which the claim is based HOUSE HOLD USE & LIVESTOCK + IRRIGATION

3. Date or approximate date of earliest beneficial use; and how continuous the use has been SEPT 15, 1960 IN CONTINUOUS USE SINCE

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 780 GALS PER MINUTE

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 10 ACRES FARM LAND

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

7. The date of commencement and completion of the construction of the well, wells or other works for withdrawal of groundwater SEPT. 12, 1960

8. The depth of water table 73 FT. STATIC 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 NEW 91 FEET DEEP 6 1/2" DIAMETER CASING

10. The estimated amount of groundwater withdrawn each year NO IDEA

11. The log of formations encountered in the drilling of each well if available 0-2' SILT-SOME GRAVEL 2-26' LOOSE GRAVEL-SOME SHALE 26'-70' ALTERNATE STRATAS OF GUMMY + FIRM SHALE 89-90' SHALE CLAY + SOME SHALE GRAVEL 90' TO 91' SHALE GRAVEL + SOME COARSE SAND

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

NONE THAT I KNOW OF

Signature of Owner Wallace Hoge

Date DECEMBER 9-1963

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.

150 663

STATE OF MONTANA }  
COUNTY OF LEWIS & CLARK } SS.

I hereby certify that the within instrument was filed in my office on this 9th of Nov A.D. 1903 at 20 min. past 11 o'clock a.m. and recorded on page 1 of Book 11 of Records of Lewis and Clark County, State of Montana.

Allen Lovick  
County Recorder

By Lawrence Russell  
Deputy

2.50

111-36

FILE NO.

T. R.

ORIGINAL

County

LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater  
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

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

0 - 5 ft.

Top Soil & Gravel

5 ft. to 31 ft.

Hardpan

31 ft. to 38 ft.

Clay

38 ft. to 68 ft.

Gravel & Clay

68 ft to 76 ft.

Gravel & Sand

76 ft to 84 ft

Clay & Seams of Sand

84 ft to 86 ft

Gravel

Owner School Dist. #3 Address Helena alley

Driller Prince & Lindsay Address Clancy, Montana

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

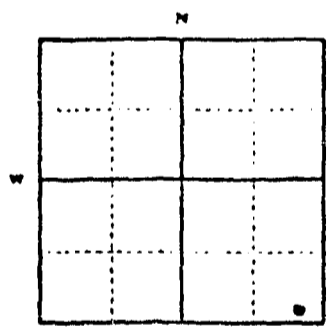
Date well started Dec. 1965 Date completed Dec. 1965

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		
				Size (Inches)	From (Feet)	To (Feet)
6"	17 lb.	0	85	1/2" X 1 1/2"	60	66
				1/2" X 1 1/2"	72	78



Static Water Level for non-flowing well ..... 16 feet.

Shut in Pressure for Flowing Well .....

Pumping Water Level ..... 20 feet

at 100 gal per minute.

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

How Tested Pump .....

Length of Test 3 hrs. ....

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

S.E. 1/4 Sec. 18 T. 11. R. 3  
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).

School Yard Irrigation

Show exact depth of bottom.

Form to be prepared by driller, and three copies to be filed by the owner with the clerk and recorder in the county in which the well is located, tissue copy to be retained by driller.

Answer all questions. If not applicable, so state, otherwise the form will be

38  
Driller's License Number

38  
Driller's Signature

Prince & Lindsay

50738

736535

SEARCHED  
SERIALIZED  
INDEXED  
7/23

STATE OF MONTANA  
COUNTY OF LEWIS & CLARK

I hereby certify that the within instrument was filed in my office on this 29 day of June A.D. 19 73 at 45 min. past 11 o'clock AM

Records of Lewis & Clark  
County, State of Montana

*Carol Erickson*  
By Carol Erickson  
Deputy

2.00 + 1.00 copy

File No. ....

T. 11 R. 3

DUPLICATE

County Lewis & Clark

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)

Owner James Smith Address 1885 Appleton  
Driller A. F. WELCH Address HELENA

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

Date well started AUG 9 Date completed AUG 11-1970

Type of well DRILLID Equipment used CABLE TOOLS  
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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

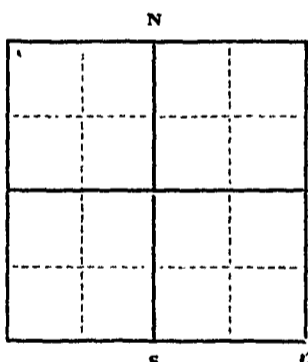
0  
125  
127

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

RED  
SHALE

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 5/8	6 5/8 17LB	0	125			

125 Doc. No. 232218  
Filed for record  
this 7th day of Feb.  
A. D. 1973 at 1:05  
o'clock P.M.



N.W. 1/4 Sec. 18, T. 11, R. 3.  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 100 feet.  
Shut-in Pressure for Flowing Well 140  
Pumping Water Level 126 FT feet  
at 15 gal. per minute.  
Discharge in gal. per min. of flowing well N.O.  
How Tested BAILER  
Length of Test 2 HRS  
Remarks: (Gravel packing, cementing, packers, type of shutoff).....  
140

WATER  
SAND

Show exact depth of bottom.

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.

100  
Driller's License Number

A. F. Welch  
Driller's Signature

52393



232218

2004  
J

STATE OF MONTANA  
COUNTY OF LEWIS & CLARK

hereby certify that the within in  
struck was filed in my office on  
the 7<sup>th</sup> day of Feb  
A.D. 1973 at 5 min. past  
1 o'clock P.M.

County of Lewis & Clark  
State of Montana.

*John Daniel*  
County Recorder  
*D. Hanson*  
Deputy

580

File No. ....

T. ... R. ...  
County Lewis & Clark

DUPLICATE

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)

Owner John A. Hahn Address 1202 Leslie  
Driller A. F. WELCH Address HELENA

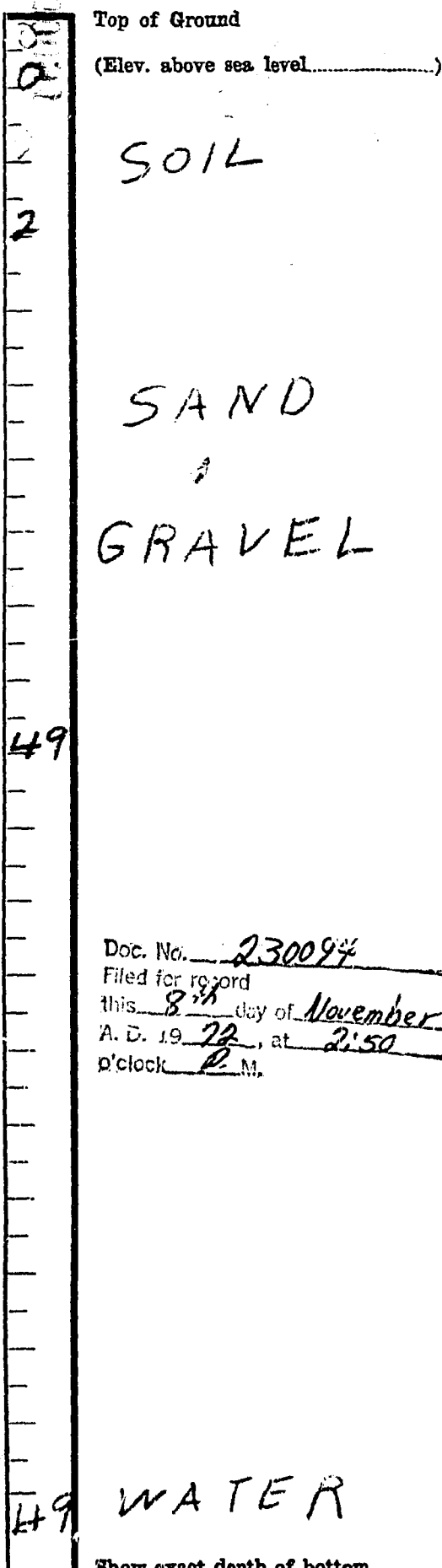
Date of Notice of appropriation of groundwater.....

Date well started NOV 5 Date completed NOV 6-64

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

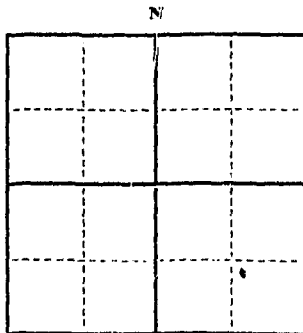
Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 5/8	6 5/8 16LB	0	49			

Doc. No. 230094  
Filed for record  
this 8<sup>th</sup> day of November  
A. D. 19 72, at 2:50  
o'clock P. M.



NW 1/4 SW 1/4 SE 1/4  
..... 1/4 Sec. 19 T. 11 N. R. 2 W.  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well NO feet.  
Shut-in Pressure for Flowing Well NO  
Pumping Water Level 25 feet  
at 20 gal. per minute.  
Discharge in gal. per min. of flowing well NO  
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).

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.

100  
Driller's License Number

A. F. Welch  
Driller's Signature

51832

230094

INDEXED  
RECORDED  
COMPARED

STATE OF MONTANA  
COUNTY OF LEWIS & CLARK

I hereby certify that the within in-  
strument was filed in my office on  
this 8<sup>th</sup> day of Nov  
A.D. 1922 at 50 min. past  
2 o'clock P.M.  
County, State of Montana

*John D. ...*  
County Recorder

*P. Thomas*  
Deputy

200

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 F. H. RADLEY  
Address NORTH OF ELLIOTT  
Date well started 11-4-71  
completed 11-6-71

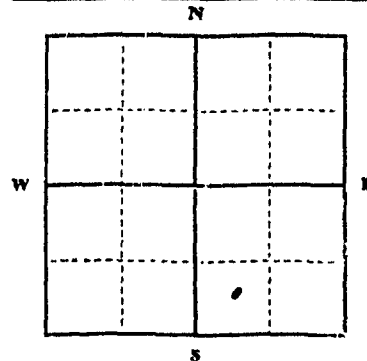
For Administrator's Use  
File 227781  
August 11, 1972 10:15 a.m.  
GW 1

Type of well Drilled  
(Dug, driven, bored or drilled)  
Equipment used Garrod  
(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"	17lb.	0	71	ROCK		



NE 1/4 Sec. 19  
T. 11 N R. 3 E  
S W

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

Driller's Signature Wesley Lindsey  
Driller's Address Clancy Mont. H.S.  
LICENSE NO. 38

County Lewis & Clark

DRILLER'S LOG

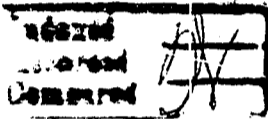
Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	6	Topsoil and gravel
6	28	Gravel and sand
28	39	Clay
39	46	Silt and sand
46	59	Clay and gravel
59	70	Sand and silt
70	71	Gravel and sand

71 Show exact depth of bottom

51196

227781



STATE OF MONTANA  
COUNTY OF LEWIS & CLARK }

I hereby certify that the within instrument was filed in my office on this 14 day of Aug A.D. 19 22 at 15 min. past 10 o'clock A.M. and recorded on page      of Book      of      Records of Lewis and Clark County, State of Montana.

*John J. Smith*  
County Recorder

BY *[Signature]*  
Deputy  
200

File No. ....

T. 11 R 3 West

DUPLICATE

County Lewis & Clark

LOG RECEIVED

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
STATE WATER CONSERVATION BOARD

19

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

0 - 6 ft  
Topsoil & gravel

5 ft to 21 ft  
gravel & clay

21 ft to 38 ft  
Hardpan

38 ft to 55 ft  
Clay

~~XXXXXXXXXX~~ 55 ft to 60 ft  
Silt & Sand

60 ft to 62 ft  
gravel

Show exact depth of bottom.

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

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

Owner Mr. Shore Address Helena Valley

Driller Wes Lindsay Address Clancy, Mont.

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

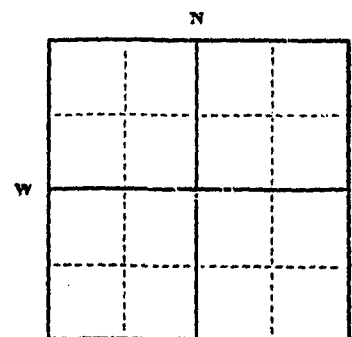
Date well started April 16, 1969 Date completed April 19, 1969

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

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	17 lb	0	61	NONE		



Static Water Level for non-flowing well  
.....25.....feet.

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

Pumping Water Level.....50..... feet  
at 20.....gal. per minute.

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

How Tested.....boiler.....

Length of Test.....2 hrs.....

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

1/4 Sec. 17 T. 11 R. 3  
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).

Irrigate yard & Garden

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.

45,268

Indexed  
Recorded  
Downloaded *W*

203670

STATE OF MONTANA  
COUNTY OF LEWIS & CLARK

I hereby certify that the within instrument was filed in my office on this 25 day of May A.D. 1929 at 6 o'clock PM

Records of Lewis & Clark  
County, State of Montana

*Shelton Lovinich*

County Recorder

*Carol Shute*

Deputy

3.00

File No. ....

T. 11N R. 3W

DUPLICATE

County L. & C.

LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

**Notice of Completion of Groundwater  
Appropriation by Means of Well**

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

0 to 8 ft. open hole

Owner Allen Tompkins Address N. of Helena

8 to 50 clay mixed with gravel.

Driller Walter Hidlock Address Helena, Montana

50 to 52 coarse gravel and water.

Date of Notice of appropriation of groundwater 5 - 19 - 59

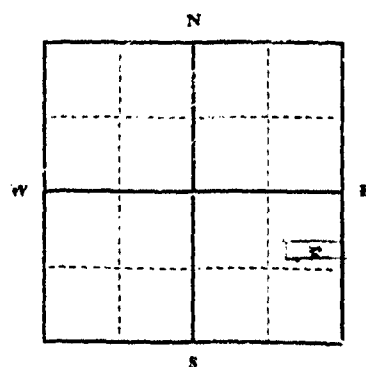
Date well started May 12, 1959 Date completed May 19, 1959

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

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" 17#	6	59	None		



Static Water Level for non-flowing well ..... 27 feet.

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

Pumping Water Level..... 36 feet  
at..... 20 gal. per minute.

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

How Tested..... baller

Length of Test..... 2 hr.

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

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

(Continue on reverse side)

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

59 ft from surface  
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.

Mont. No. 41  
Driller's License Number

Walter Hidlock  
Driller's Signature.

43.441



193761

Indexed	
Recorded	<i>[initials]</i>
Compared	

STATE OF MONTANA  
COUNTY OF LEWIS & CLARK | SS.

I hereby certify that the within instrument was duly filed on this 26 day of Feb. A.D. 1968 at 11 o'clock AM and recorded on this 26 day of Feb. at 11 o'clock AM of 1968 in the County of Lewis and Clark State of Montana.

*[Signature]*  
Deputy

2.00

File No. ....

T. 11N R 3W

DUPLICATE

County L & C

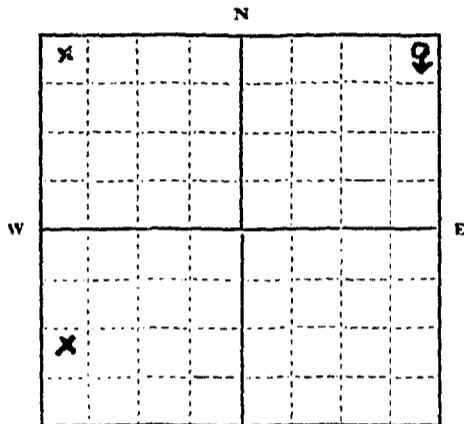
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECORDED  
JAN 6 1964  
STATE ENGINEER

1. Sieben Ranch Co., of Prof. Bldg Helena  
(Name of Appropriator) (Address) (Town)  
County of L & C State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW  
SW 1/4 Sec. 20 T. 11N. R. 3W.

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

- 2. The beneficial use on which the claim is based.....  
Livestock water
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....  
1882 and ever since
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute).....  
150 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.....  
No
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....  
2 wells 1 in NW 1/4 1 in SW 1/4  
1 drain ditch on East Section line
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....  
2 wells dug many years ago  
drain ditch completed 1960
- 8. The depth of water table.....  
6 to 12 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.....  
Wells are cased and 60 feet deep 1 electric pump 1 gas pump  
drain 16 feet in depth
- 10. The estimated amount of groundwater withdrawn each year.....  
1,000,000 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.....

Signature of Owner by Sieben Ranch Company  
John J. Samson  
Date 12-16-63

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

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

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

151632

SEARCHED  
INDEXED  
SERIALIZED  
FILED

STATE OF MONTANA  
COUNTY OF LEWIS & CLARK } SS:

I hereby certify that the within instrument was filed in my office on this 27 day of April A.D. 19 63 at 12 o'clock P.M. past

County of Lewis & Clark  
State of Montana

*Steven Kovach*

County Recorder

By *Walter*  
Deputy

*Walter*

File No. ....

T. 11 N. R. 3 E.

TRIPPLICATE

County Lewis and Clark 28

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 November 21, 1969

Owner John A. Hurai Address Box 21, Helena, Montana

Contractor (if any) None (not applicable)

Address of Contractor

Date Started Unknown Date Completed Unknown

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

3 to 11 feet (revealed pits for drainage)

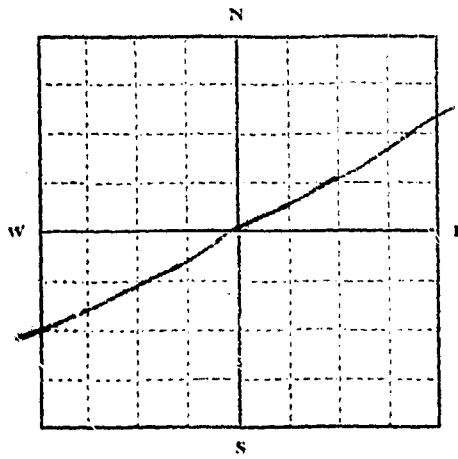
Ditch running as per sketched

Ditch known as Silver Creek running through NE 1/4 of

Section 25, T11N, R3E, S24E, NE1/4, NE1/4, NE1/4, NE1/4

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. 10 cubic feet

year around use



1/4 Sec. 25 T11N R3E

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

In NE 1/4 of S24, NE1/4, NE1/4, NE1/4

Signature of Owner John A. Hurai

Date November 21, 1969

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.

45899

File No. ....

T. 11 N. R. 3 W.

TRIPPLICATE

County Lewis and Clark 28

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 November 21, 1969

Owner John W. Hural Address Box 21, Helena, Montana

Contractor (if any) None (not applicable)

Address of Contractor

Date Started Unknown Date Completed Unknown

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

3 to 11 feet (trenches - ditch for drainage)

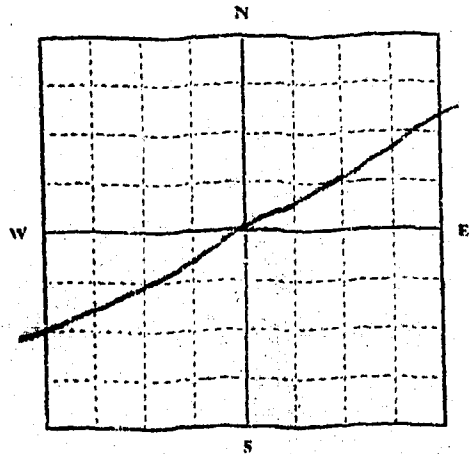
Ditch running as per sketched

Ditch known as Silver Creek running through NE 1/4 of

SW 1/4, SE 1/4, NE 1/4, NW 1/4

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. 10 cubic feet

year ground use.



1/4 Sec. 28, T. 11 N. R. 3 W.

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

In NE 1/4 of SW 1/4, SE 1/4, NE 1/4, NW 1/4

Signature of Owner John W. Hural

Date November 21, 1969

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.

45899

207050

COPIES  
RECORDED  
INDEXED *JA*

STATE OF MONTANA }  
COUNTY OF LEWIS & CLARK } S:

I hereby certify that the within in  
instrument was filed in my office on  
this *24* day of *Nov*  
A.D. 19*69* at *1:40* min. past  
*10* o'clock *A.M.*

\_\_\_\_\_  
County Clerk of Lewis & Clark  
County, State of Montana.

*Julius J. Smith*  
County Clerk  
*Carol Smith*  
Deputy

*2.00*

#1 REGISTERED

1173 W  
County Lewis & Clark

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 W. Hurni

Address HELENA,  
MONTANA

Date well started MARCH 18-1973  
completed MAR-23-1973

For Administrator's Use	
File	<u>534566</u>
	<u>11/24 8, 1973</u>
GW 1	<u>945711</u>

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

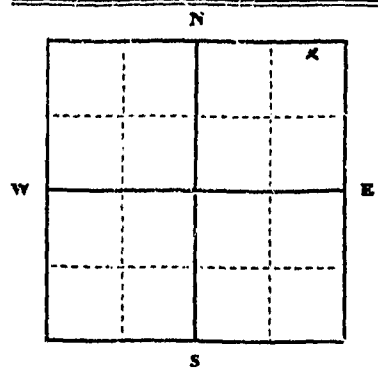
Equipment used CHURN  
(Churn drill, rotary or other)

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

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

ESTIMATED ANNUAL WITHDRAWAL 80,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>6"</u>	<u>19#</u>	<u>0</u>	<u>63</u>			



NE 1/4 NE 1/4 Sec. 28  
T. 11 N R. 3 E  
S W

Static water level 8 ft.\*  
Pumping water level 28 ft.\*  
at 30 gallons per minute,  
measured 60 minutes after pumping began.  
\*Measured from ground level.  
Well developed by Barler  
for 2 hours.  
Power ELECT Pump 3 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)	
<u>0</u>	<u>5</u>	<u>Top Soil &amp; Gravel</u>
<u>5</u>	<u>18</u>	<u>Gravel &amp; Sand</u>
<u>18</u>	<u>38</u>	<u>Clay &amp; Gravel</u>
<u>38</u>	<u>58</u>	<u>Clay</u>
<u>58</u>	<u>60</u>	<u>Sand</u>
<u>60</u>	<u>62</u>	<u>Sand &amp; Gravel</u>

63 Show exact depth of bottom

53,173

234566

Indexed  
Recorded  
& Indexed

STATE OF MONTANA  
COUNTY OF LEWIS & CLARK } s:

hereby certify that the within in-  
strument was filed in my office on  
the 13 day of May  
1913 at 10 m. past  
9 o'clock A.M.

Records of Lewis & Clark  
County, State of Montana

*[Signature]*  
Deputy

*[Faint handwritten notes and stamps, including a vertical stamp on the right edge]*



File No. ....

T. 11N R. 34

DUPLICATE

County Lewis and Clark

100

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
STATE WATER CONSERVATION BOARD

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

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

Owner John W. Hurni Address Box 21, Helena, Montana  
John W. Hurni  
Driller Unknown Address .....

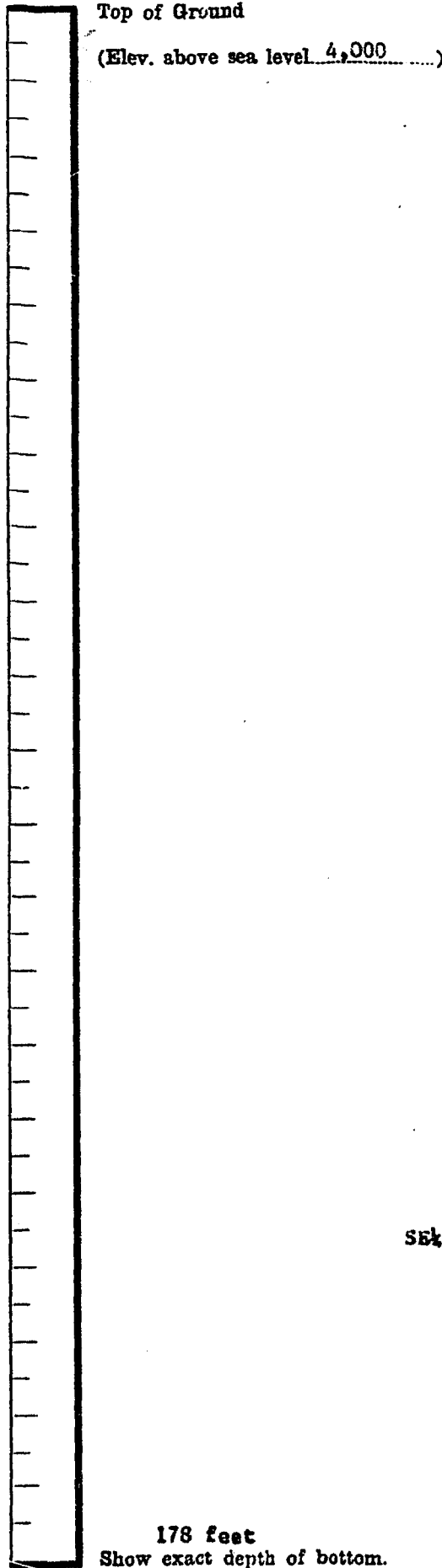
Date of Notice of appropriation of groundwater November 21, 1969

Date well started ..... Date completed Over 50 years ago.

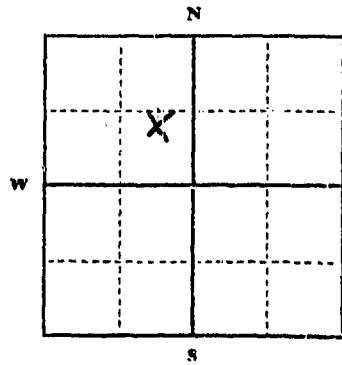
Type of well Artesian - Drilled Equipment used Cable tool  
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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



Size of Drilled Hole	Size and Weight of Casting	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
Not Applicable	6"	3' above ground level	178' depth	not known	not known	not known



SE 1/4 - NW 1/4 Sec. 28 T. 11N R. 34  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well not applicable feet.  
Shut-in Pressure for Flowing Well 28 lbs.  
Pumping Water Level not applicable feet  
not applicable gal. per minute.  
Discharge in gal. per min. of flowing well 40  
How Tested Pressure gage and volume  
Length of Test 2 hours  
Remarks: (Gravel packing, cementing, packers, type of shutoff) Reduced to 1 inch shut off valve

(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).

Garden, dwellings and stock water

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.

Not applicable  
Driller's License Number

Not applicable  
Driller's Signature.

45903

207048

FILED  
RECORDED  
24

STATE OF MONTANA }  
COUNTY OF LEWIS & CLARK } S:

I hereby certify that the within in-  
strument was filed in my office on  
the 24 day of Nov  
A.D. 1969 at 30 min. past  
10 o'clock A.M.

\_\_\_\_\_  
Records of Lewis & Clark  
County, State of Montana

*John Donich*

County Recorder

*Carol Shute*

Deputy

*L.C.C.*

*Instrument 207048*

Department of Natural Resources and Conservation  
 Water Resources Division  
 Engineering Bureau  
 Groundwater Section  
 Sam W. Mitchell Building  
 Helena, Montana 59601

Owner Dave Didrikson 59601  
 Address 1225 Van Orsdale Lane-Helena  
 Location T. 11 N., R. 3 W., Sec. 29  
 Doc. No. 230260

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

Special Instructions: Please provide, as indicated in red on the attached form, the claimed groundwater use, and gallons per minute tested or claimed.

Thank you.

Sent on  
1/18/73

51,834

Water Use: Domestic  Municipal  Stock  Irrigation

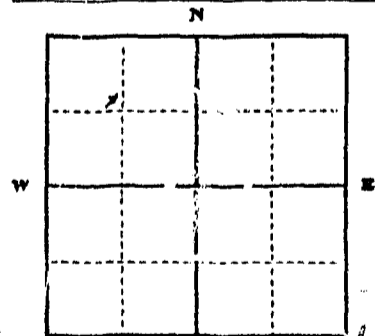
Industrial  Drainage  Other \* Garden/Lawn

\*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 5/8	6 5/8 20	0	53			



Static water level 5 ft.\*  
 Pumping water level .....ft.\*  
 at .....gallons per minute,  
 measured .....minutes after pumping  
 began.

\*Measured from ground level.  
 Well developed by BALKER  
 for .....hours.

Power El Pump 1/2 HP  
 Remarks: (Gravel packing, cementing,  
 packers, type of shutoff) .....

Helena Valley Estates Lot 30  
 N 1/4 NW 1/4 Sec. 29  
 T. 11. R. 3. E  
 S W

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

Driller's Signature A. D. Welch  
 Driller's Address 5820 N. MONT.  
HELENA LICENSE NO. 100

53 Show exact depth of bottom

51,834



230260

Indexed  
Recorded  
Compared

STATE OF MONTANA }  
COUNTY OF LEWIS & CLARK } SS.

I hereby certify that the within instrument was filed in my office on this 15 day of Nov A.D. 1972 at 35 min. past 8 o'clock AM and recorded on page \_\_\_\_\_ of Book \_\_\_\_\_ of Records of Lewis and Clark County, State of Montana.

*John Thomas*

County Recorder

*P. Thomas*  
Deputy

1200

COPIED  
COPIED  
COPIED  
COPIED

NOV 15 1972

110510  
County LEWIS & CLARK 29

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 FIREMONT F. EASBEY &  
JOAN S. EASBEY

Address 1390 PONDEROSA RD.  
HELENA, MONT.

Date well started APRIL 1965  
completed APRIL 1965

For Administrator's Use	
File	<u>218561</u>
Date	<u>July 7, 1971</u>
Time	<u>9:35 AM</u>
GW 1	.....

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

Equipment used CHURN DRILL  
(Churn drill, rotary or other)

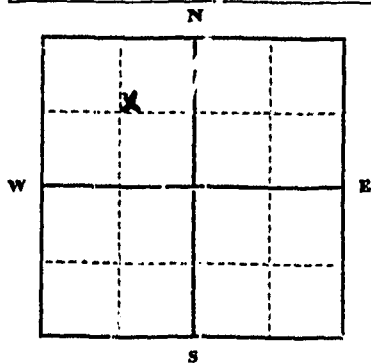
Water Use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other \* Garden/Lawn

\*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 90,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>6"</u>	<u>1716</u>	<u>0</u>	<u>70</u>	<u>NONE</u>		



Static water level 3 ft.\*  
Pumping water level 20 ft.\*  
at 30 gallons per minute,  
measured ..... minutes after pumping began.  
\*Measured from ground level.  
Well developed by BASLER  
for 3 hours.  
Power ELECTRIC pump 1/2 HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff) .....

LOTS 26-28 1/4 Sec. 29  
T. 11 N. R. 2 E

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

Driller's Signature Robert Price  
Driller's Address Clancy, Mont.

LICENSE NO. 171

DRILLER'S LOG

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

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
<u>0</u>	<u>8</u>	<u>TOPSOIL &amp; GRAVEL</u>
<u>8</u>	<u>18</u>	<u>GRAVEL</u>
<u>18</u>	<u>28</u>	<u>CLAY</u>
<u>28</u>	<u>42</u>	<u>SAND &amp; SILT</u>
<u>42</u>	<u>56</u>	<u>CLAY</u>
<u>56</u>	<u>64</u>	<u>SAND</u>
<u>64</u>	<u>70</u>	<u>GRAVEL</u>

70 Show exact depth of bottom:

218561

STATE OF MONTANA }  
COUNTY OF LEWIS & CLARK } SS

I hereby certify that the within in-

strument was filed in my office on

the 7<sup>th</sup> day of July

1971 at 9:35 min. past

9 o'clock A.M.

at the Records of Lewis & Clark

County, State of Montana.

*John Daniel*  
County Recorder

by *Carl Erickson*  
Deputy

2.00

File No. ....

**RECEIVED**  
AUG 13 1965

T. 11 N. 3 W.  
County L & C

~~QUADRUPPLICATE~~  
Duplicate

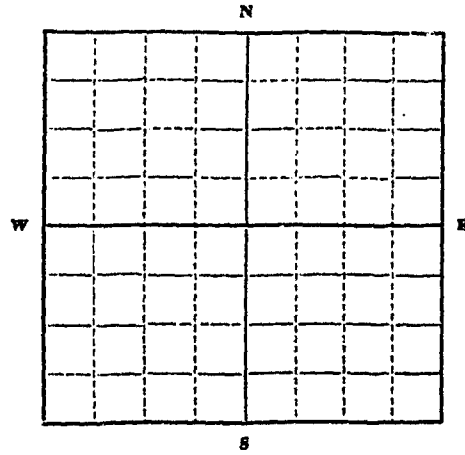
REFERRED TO STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

29

### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Jean S. Galusha of 555 Fuller Helena  
(Name of Appropriator) (Address) (Town)  
County of Lewis and Clark State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 29, T. 11 N. R. 3 W.

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

- 2. The beneficial use on which the claim is based lawn and pasture irrigation
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1958
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 150 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 Approx. 7 acres located in S. 29, Twp. 11 N., R. 3 W., owned by Jean S. Galusha
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 2 pumps

- 7. The date of commencement and completion of the construction of the well, well, or other works for withdrawal of groundwater 1958
- 8. The depth of water table varies, approx. 4 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 This will consist of two elements, the outer of which is 50 gal. gasoline drums welded together to a depth of approx. 20 ft., and an 8 in. casing to a depth of 30 ft.
- 10. The estimated amount of groundwater withdrawn each year approx. 4,320,000 gal.
- 11. The log of formations encountered in the drilling of each well if available
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Jean S. Galusha  
Date August 11, 1965

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.

39423



170522

STATE OF MONTANA } SS  
COUNTY OF LEWIS & CLARK

I hereby certify that the within instrument was filed in my office on the 12th day of Aug A.D. 1965 at 9 o'clock A.M.

Records of Lewis & Clark County, State of Montana

*Allen Lovick*

County Recorder

By *Loraine A. Ramee*

Deputy

2:00

Indexed  
Recorded  
Compared

*J*

File No. \_\_\_\_\_  
DUPLICATE

STATE WATER CONSERVATION BOARD

**R E C E I V E**  
AUG 13 1965

T. R. \_\_\_\_\_  
County \_\_\_\_\_ 29

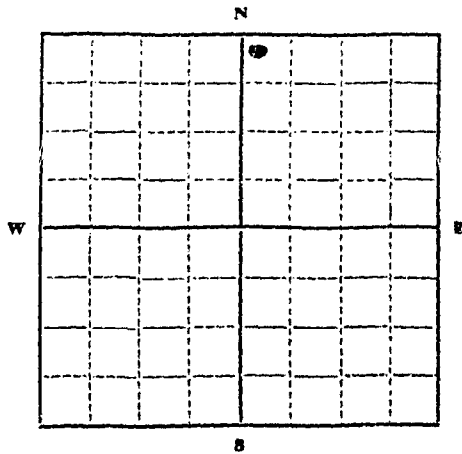
STATE OF MONTANA

REFERRED TO ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Jean S. Galusha of 555 Puller Helena  
(Name of Appropriator) (Address) (Town)  
County of Lewis and Clark State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 29 T11N R3W

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

2. The beneficial use on which the claim is based.....  
domestic water supply
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....approx. 1951
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
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....approx. 1951
8. The depth of water table.....varies, approx. 4 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.....6 in. casing
10. The estimated amount of groundwater withdrawn each year.....whatever is required for domestic use.
11. The log of formations encountered in the drilling of each well if available.....unavailable
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 Jean S. Galusha

Date August 11, 1965

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.

39424

170523

RECORDED  
COMPLETED

STATE OF MONTANA }  
COUNTY OF LEWIS & CLARK } SS

I hereby certify that the within instrument was filed in my office on this 12<sup>th</sup> day of Aug A.D. 1965 at 5 min. past 9 o'clock a M.

Records of Lewis & Clark  
County, State of Montana

Allen Lounish  
County Recorder

By Lorraine E. Russell  
Deputy

2:00





County Levy & Clark

29

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	<u>216739</u>
	<u>April 21, 1971</u>
	<u>9:05 AM</u>
GW 1	.....
	.....

Owner JOE E & JEANNETTE B. GOLDEN  
Address 1395 PONDEROSA, HELENA, MONT.

Contractor (if any) WESLEY LINCOLN  
Address of Contractor CHANCY MONT.

Date Started APRIL 1965 Date Completed APRIL 1965

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

2. Means of withdrawing water (gravity, pump, canal, etc.)  
Electric pump 1/4 HP

3. Depth of water table 3 ft.

4. Use of the water Domestic garden  
use

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 30 gal/min.

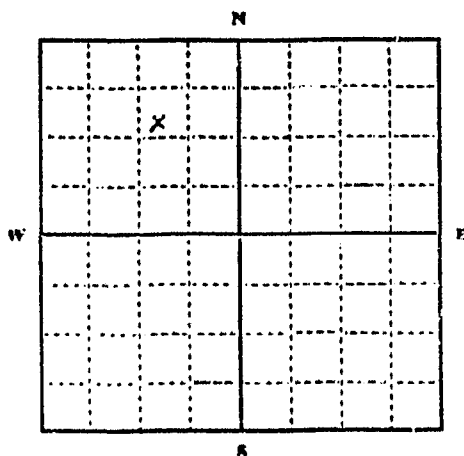
6. If used for irrigation, give number of acres and description of land

7. Estimate amount of water used each year 80,000 gal.

8. Months of year spring flows May - November  
inclusive

Signature of Owner Joe E. Golden  
Date 20 April 1971

48421



Lots 41 - 43 Sec. 29

T. 11 N R. 3 E  
S W

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

.....  
.....

216739

Indexed  
Recorded  
Empared *JW*

STATE OF MONTANA  
COUNTY OF LEWIS & CLARK

I hereby certify that the within In-  
strument was filed in my office on  
the 21 day of Apr  
A.D. 19 17 at 15 min. past  
9 o'clock A.M.

Records of Deeds & Clerk  
of the State of Montana.  
*John Kovich*  
County Recorder  
*Wesley Erickson*  
Deputy  
*J.P.P.*

File No.....

T. 11N R. 3W

TRIPPLICATE

County Lewis and Clark

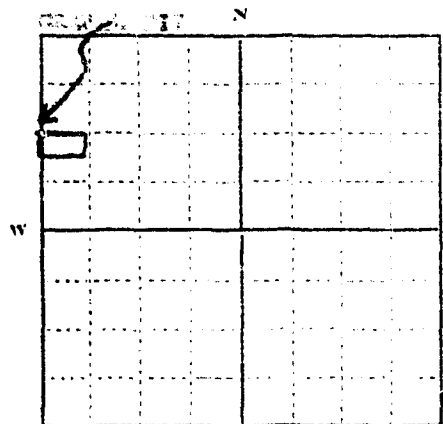
29

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, 1931)

Date of Appropriation of Groundwater November 21, 1969  
Owner John W. Hurni Address Box 21, Helena, Montana  
Contractor (if any) Not applicable  
Address of Contractor Not applicable  
Date Started Not applicable Date Completed Not applicable



3/4 NW 29 S 11N 3W  
1/4 Sec. T. R.

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. Sub-irrigation and irrigation  
by ditches, livestock water, depth to water 1 to  
2 feet.

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. 5 acres  
abandoned gravel pit with 3 to 4 foot average  
water depth. Summer irrigation and livestock year  
around use.

Signature of Owner John W. Hurni  
Date November 21, 1969

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.

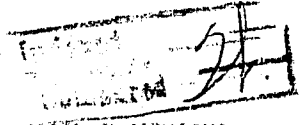
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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.

42898



207051



STATE OF MONTANA  
COUNTY OF LEWIS & CLARK } S:

I hereby certify that the within instrument was filed in my office on this 24 day of Nov A.D. 1909 at 10 min. past 12 o'clock A.M.

Records of Lewis & Clark  
County, State of Montana

*John L. Linnick*  
County Recorder

*Carol L. Linnick*  
Deputy

*L. L.*

#2 West by *J. H. K...*

County *Lewis & Clark*

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

DRILLER'S LOG

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

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

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

Owner *John W. Hullani*

Address *Helena, Mont.*

Date well started *APR 10 - 1973*

completed *APR - 13 - 1973*

For Administrator's Use	
File	<i>234565</i>
	<i>11/24 E, 1973</i>
GW 1	<i>9:40 A.M.</i>

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

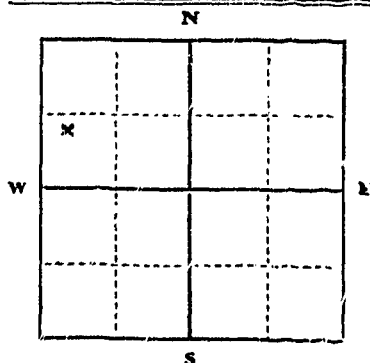
Equipment used *CHURN*  
(Churn drill, rotary or other)

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 *80,000*

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<i>6"</i>	<i>19#</i>	<i>0</i>	<i>54</i>	<i>NONE</i>		



Static water level *3* ft.\*  
Pumping water level *30* ft.\*  
at *50* gallons per minute,  
measured *60* minutes after pumping began.  
\*Measured from ground level.  
Well developed by *BATLER*  
for *2* hours.  
Power *ELECT.* Pump *.....* HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff)

S.W. 1/4 NW 1/4 Sec. *29*  
T. *11* N. R. *9* W.

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

Driller's Signature *W. Kelly Priddy*

Driller's Address *Clancy Montana*

LICENSE NO. *38*

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
<i>0</i>	<i>5</i>	<i>TOPSOIL &amp; GRAVEL</i>
<i>5</i>	<i>18</i>	<i>GRAVEL &amp; SAND</i>
<i>18</i>	<i>33</i>	<i>CLAY &amp; GRAVEL</i>
<i>33</i>	<i>38</i>	<i>SAND &amp; SILT</i>
<i>38</i>	<i>52</i>	<i>CLAY &amp; SAND</i>
<i>52</i>	<i>54</i>	<i>GRAVEL &amp; SAND</i>

*54* Show exact depth of bottom

*53,174*

234565

Indexed  
Recorded  
Filed

STATE OF MONTANA } 58  
COUNTY OF LEWIS & CLARK

I hereby certify that the within in-  
strument was filed in my office on  
the 12 day of May  
D. 1920 at 10 min. past  
2 o'clock A.M.

Records of Lewis & Clark  
County, Montana.

*Allen L. Smith*

County Recorder

*[Signature]*

Deputy

*[Signature]*



234567

Indexed  
Recorded  
As required

STATE OF MONTANA }  
COUNTY OF LEWIS & CLARK } SS

I hereby certify that the within in-  
strument was filed in my office on  
this 13 day of May  
A.D. 1913 at 50 min past  
7 o'clock A.M.

Records of Lewis & Clark  
County, State of Montana

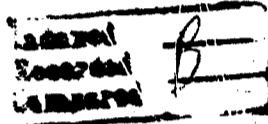
John J. [Signature]  
County Clerk

[Signature]  
Deputy

200



236241



STATE OF MONTANA }  
COUNTY OF LEWIS & CLARK } ss

hereby certify that the within in-  
strument was filed in my office on  
this 27 day of June  
A.D. 19 72 at 46 min. past  
11 o'clock A.M.

\_\_\_\_\_  
Records of Lewis & Clark  
County, State of Montana.

*John Lovick*

County Recorder

*Carol Erickson*

Deputy

7.00

County Deer Lodge 29

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 James J. Leland  
Address 1505 Wilbur  
Helena, Montana  
Date well started June 8-73  
completed June 9-73

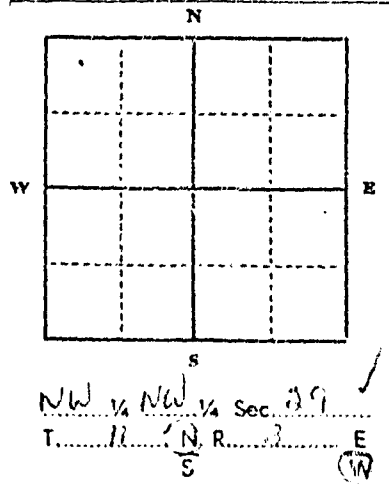
For Administrator's Use	
File	
GW 1	

Type of well Artesian  
(Dig, driven, bored or drilled)  
Equipment used Cameron  
(Cameron 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 10,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	1-1/2"	0	51	None		



Static water level Unknown ft.\*  
Pumping water level 52.5 ft.\*  
at 40 gallons per minute,  
measured        minutes after pumping began.  
\*Measured from ground level.  
Well developed by Bocha  
for 2 hours.  
Power        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 L. Leland  
Driller's Address Wesley L. Leland

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	TOP SOIL AND CLAY
6	18	CLAY + SAND
18	38	CLAY
38	50	CLAY + SAND
50	52	CLAY + SAND

51 Show exact depth of bottom

LICENSE NO. 58





County Lewis & Clark  
29

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 James J. Miller

Address 1905 Wilson

Jerome, Montana

Date well started June 8-73

completed June 9-73

For Administrator's Use	
File	
GW 1	

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

Equipment used Cameron  
(Cameron drill, rotary or other)

Water Use: Domestic  Municipal  Stock  Irrigation

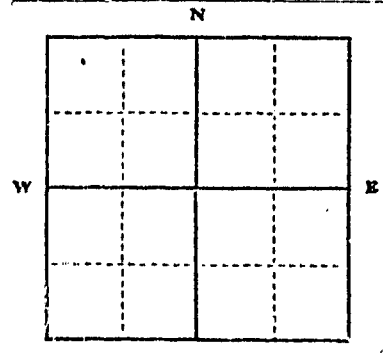
Industrial  Drainage  Other \* Garden/Lawn

\*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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	1 1/2"	0	51	None		



NW 1/4 NW 1/4 Sec. 39  
T. 11 N. R. 3 E. W

Static water level Artesian ft.\*  
Pumping water level 32.5 ft.\*  
at 40 gallons per minute,  
measured ..... minutes after pumping began.

\*Measured from ground level.  
Well developed by 3 weeks  
for ..... hours.

Power 3/4 HP 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 J. ...

Driller's Address Wesley J. ...

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	Top Soil
6	28	Clay
28	38	Clay
38	50	Clay
50	52	Clay

51 Show exact depth of bottom

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 Leona J. Fisher  
 Address 1002 W. 1st  
Helena, Mont  
 Date well started June 8-72 GW 1  
 completed June 9-73

For Administrator's Use  
 File \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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

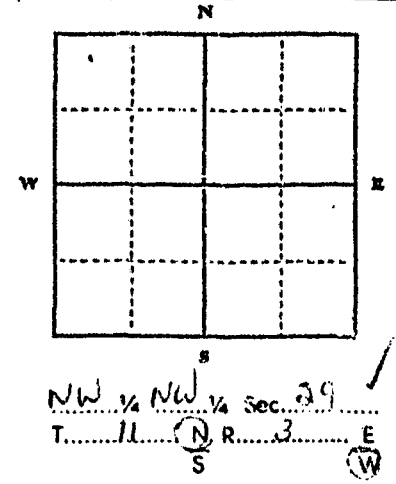
Equipment used Open  
 (Chain drill, rotary or other)

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

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

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"	141B	0	51	none		



Static water level Artesian ft.\*  
 Pumping water level 12.5 ft.\*  
 at 40 gallons per minute,  
 measured \_\_\_\_\_ minutes after pumping began.  
 \*Measured from ground level.  
 Well developed by Bole  
 for \_\_\_\_\_ hours.  
 Power 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. 38

County Lewis & Clark

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)	Character
0	6	TOP SOIL AND CLAY
6	28	SAND & GRAVEL
28	33	CLAY
33	50	SANDSTONE
50	52	SANDSTONE

51 Show exact depth of bottom

This well was drilled  
 101 JUNE 1973 AND  
 HAS BEEN USED SINCE  
 THEN. WAS FILLED  
 IN CLERK & RECORDER  
 10 JUNE.

Now LINDSAY went  
 in & cleared well  
 out AND REPLACED  
 PUMP FROM 1/2 HP TO  
 3/4 HP

FORM NO. 603 New 7-73

File No. \_\_\_\_\_

STATE OF MONTANA  
 Department of Natural Resources and Conservation

WHITE - DEPARTMENT  
 PINK - BUREAU  
 CANARY - WELL OWNER  
 GOLDENROD - DRILLER

WELL LOG REPORT

State law requires that this form be filed by the water well driller on any water well com-  
 pleted by him on and after July 1, 1973 within sixty (60) days after completion of the well.

1. WELL OWNER: Name <u>George Schuler</u> Address <u>Ponderosa Dr. Helena</u>																								
2. WELL LOCATION: County <u>Beaumont</u> ; <u>4</u> <u>4</u> Sec. <u>29</u> , Twp. <u>11</u> N- <u>2</u> , Rg. <u>3</u> E-W																								
3. PROPOSED USE: <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Stock <input type="checkbox"/> Municipal <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Lawn and Garden <input type="checkbox"/> Irrigation <input type="checkbox"/> Other (if other, specify)																								
4. METHOD DRILLED: <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Bored <input type="checkbox"/> Forward Rotary <input type="checkbox"/> Reverse Rotary <input type="checkbox"/> Jetted <input type="checkbox"/> Other (if other, specify)	8. WELL LOG: <table border="1"> <thead> <tr> <th colspan="2">Depth (ft.)</th> <th rowspan="2">Formation</th> </tr> <tr> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>6</td> <td>7 gravel &amp; sand</td> </tr> <tr> <td>6</td> <td>23</td> <td>gravel &amp; clay</td> </tr> <tr> <td>23</td> <td>39</td> <td>sand &amp; clay</td> </tr> <tr> <td>39</td> <td>49</td> <td>clay</td> </tr> <tr> <td>49</td> <td>54</td> <td>sand &amp; silt</td> </tr> <tr> <td>54</td> <td>56</td> <td>gravel.</td> </tr> </tbody> </table>	Depth (ft.)		Formation	From	To	0	6	7 gravel & sand	6	23	gravel & clay	23	39	sand & clay	39	49	clay	49	54	sand & silt	54	56	gravel.
Depth (ft.)		Formation																						
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0	6	7 gravel & sand																						
6	23	gravel & clay																						
23	39	sand & clay																						
39	49	clay																						
49	54	sand & silt																						
54	56	gravel.																						
5. WELL CONSTRUCTION: Diameter of hole <u>6</u> inches. Depth <u>56</u> ft. Casing: <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Threaded <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Other (if other, specify) Pipe Weight: Dia.: From: To: <u>17</u> lb/ft. <u>6</u> inches <u>0</u> feet <u>56</u> feet <input type="checkbox"/> lb/ft. <input type="checkbox"/> inches <input type="checkbox"/> feet <input type="checkbox"/> feet <input type="checkbox"/> lb/ft. <input type="checkbox"/> inches <input type="checkbox"/> feet <input type="checkbox"/> feet Was perforated pipe used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Length of pipe perforated _____ feet Was casing left open end? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Was a well screen installed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Material _____ Dia. _____ inches (stainless steel, bronze, etc.) Perforation type: _____ slots _____ holes Size _____ set from _____ feet to _____ feet Size _____ set from _____ feet to _____ feet Size _____ set from _____ feet to _____ feet Was a packer or seal used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If so, what material _____ Well type: <input type="checkbox"/> Straight screen <input type="checkbox"/> Graveled Was the well grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No To what depth? _____ feet Material used in grouting _____ Well head completion: Pitless adapter <input checked="" type="checkbox"/> 12" above grade <input checked="" type="checkbox"/> Other _____ (If other, specify) _____ Was the well disinfected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	9. DATE STARTED: <u>Nov 25 - 73</u> 10. DATE COMPLETED: <u>Nov 30 - 73</u> 11. WAS WELL PLUGGED OR ABANDONED? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If so, how _____ 12. DRILLER'S CERTIFICATION: This well was drilled under my jurisdiction and this report is true to the best of my knowledge. <u>Wesley Lindsay 38</u> Driller or Farm Driller License No. _____ <u>Clancy Mont</u> Owner <u>Wesley Lindsay 5/24/73</u> Date																							
6. WATER LEVEL: Static water level <u>1</u> ft. below land surface If flowing: closed-in pressure _____ psi GPM flow _____ through _____ inch pipe Controlled by: <input type="checkbox"/> Valve <input type="checkbox"/> Reducers <input type="checkbox"/> Other, specify _____																								
7. WELL TEST DATA: <input checked="" type="checkbox"/> Pump <input checked="" type="checkbox"/> Bailor <input type="checkbox"/> Other (If other, specify) _____ Pumping level below land surface: <u>8</u> ft. after <u>3</u> hrs. pumping <u>15</u> gpm <input type="checkbox"/> ft. after _____ hrs. pumping _____ gpm																								