

File No. _____

MAR 10 1970

T. 21N R. 20W

TRIPPLICATE

County Saline

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 W. H. Hildreth Address Billings, Mont.

Driller W. H. Hildreth Address Billings, Co. Saline

Date of Notice of appropriation of groundwater _____

Date well started Aug 20 69 Date completed Aug 23 69

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

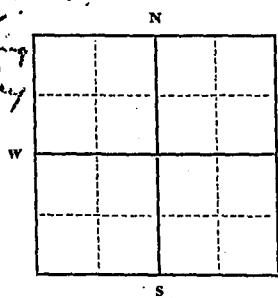
Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Top of Ground
(Elev. above sea level _____)

- 0-46 - sand
- 46-50 white clay
- 50-56 boulders
- 56-93 - white clay
- 93-106 - clay + gravel
- 106 - boulders
- 106-110 gravel + clay
- 110-143 - clay + gravel
- 143-154 - gravel + clay
- 154-159 - clay
- 159-162 - gravel + clay
- 162-247 - clay + gravel
- 247-253 - gravel - clay
- 253-260 boulders
- 260-263 - gravel + clay
- 263-341 - boulders
- 341-342 - clay
- 342-344 - gravel - boulders
- 344-347 - gravel + gravel
- 347-372 - boulders + gravel
- 372-373 - gravel + sand
- 373-374 - good water
- 374-375 - started flowing
- 375-376 - gravel + clay

Size of Drilled Hole	Size and Weight of Casing	PERFORATIONS	
		From (Feet)	To (Feet)
8"	250	41	46
6"	291	42	325



Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well 0 _____ feet

Pumping Water Level 12 _____ feet
at 10 _____ gal. per minute.

Discharge in gal. per min. of flowing well _____

Doc. No. 190728
Filed for record _____
this 9 day of March
D. 19 70 at 12:00
clock noon

NE 1/4 SE Sec. 21 T. 21N R. 20W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

How Tested 3 1/2 hrs

Length of Test 2 hrs

Remarks: (Gravel packing, cementing, packers, type of shutoff) 4 1/2" 8" surface pipe for surface seal with bentonite - true surface packers on outside of casing at 270' more: 3" x 6" casing tied together at the surface. (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).

326.
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.

192
Driller's License Number

W. H. Hildreth
Driller's Signature

46247

R. 1195

Well Report

Mrs. Sidney Shoups

To
The Public

STATE OF MONTANA }
County of Lake } SC

Filed on the 9 day of 5/20/00

A. D. 19 2000 at clock Noon

ETHEL M. HARDING
County Clerk and Recorder

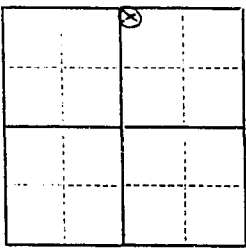
By Walter Weigman
200 Deputy

298 - 300 - gravel
294 - 302 - water (too small)
302 - 323 - boulders & gravel
323 - 326 - gravel & clay
good water.
started flowing

323-326 - gravel & clay
started flowing
good water.

Mrs. Sid Shoups
well, 8
Contract

Static Water Level for non-flowing well
feet.
Shut-in Pressure for Flowing Well... 0
Pumping Water Level... 1.2 feet
at 10 gal. per minute.
Discharge in gal. per min. of flowing well
How Tested... 3/4 Pump
Length of Test... 2 hrs
Remarks: (Gravel packing, cementing, packers, type of shutoff) 46' 1/2' 8' 5' 1/2'



NE 1/4 SE Sec 2-1-172 IN. R 20

MAR 10 1970

T. 21 N. R. 20 W

County LAKE

ORIGINAL

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: *W.H. Sid Shoups* Address: *Billings, Mont.*
Driller: *Donna C. Cushman* Address: *Billings, Mont.*

Top of Ground
Apex
(Elev. above sea level) *3040*

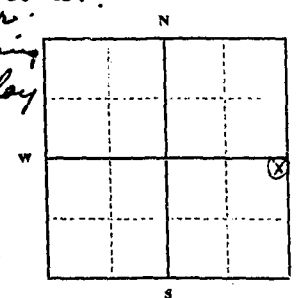
- 0-46-sand
- 46-80-white clay
- 80-91-boulder
- 91-93-white clay
- 93-106-clay & gravel
- 106-boulder
- 106-110-gravel & clay
- 110-143-clay & gravel
- 143-154-gravel & clay
- 154-159-clay
- 159-162-gravel & clay
- 162-247-clay & gravel
- 247-258-gravel & clay
- 258-260-boulders
- 260-263-gravel & clay
- 263-291-boulders
- 291-292-clay
- 292-294-gravel & boulders
- 298-trace of water (too small)
- 294-322-boulders & gravel
- 322-323-gravel & sand

Date of Notice of appropriation of groundwater: _____
 Date well started: *Aug 20 69* Date completed: *Aug 23 69*
 Type of well: *drilled* Equipment used: *rotary*
 (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		
		From	To	Kind	From (Feet)	To (Feet)		
8"	8" x 250	11	46	Line	315	325		
6"	6" x 251	17	325	Line				

323-326-gravel & clay
good water started flowing



Static Water Level for non-flowing well _____ feet.
 Shut-in Pressure for Flowing Well... *0* _____
 Pumping Water Level... *12* _____ feet
 at *10* _____ gal. per minute.
 Discharge in gal. per min. of flowing well
 at *3.9 g.p.m.* _____
 How Tested... *3/4 Pump* _____
 Length of Test... *2 hrs* _____

W.H. Sid Shoups
well 8
Contract
7 H.S.M. 85-69-418

Remarks: (Gravel packing, cementing, packers, type of shutoff) *46' of 8" surface pipe for surface seal with bentonite - two rubber packers on outside of 6" casing at 200' bore. 8" & 6" casing welded together at the surface.* (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).

326
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.

192
Driller's License Number
Donna C. Cushman
Driller's Signature

MAR 10 1970

21 Nov 20 W
County LAKE

FINAL

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
Apex
(Elev. above sea level 3040)

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

Under Chapter 237, Montana Session Laws, 1961

- 0-46 sand
- 46-80 white clay
- 80-81 boulder
- 81-93 white clay
- 93-106 clay + gravel
- 106 boulder
- 106-110 gravel + clay
- 110-143 clay + gravel
- 143-154 gravel + clay
- 154-159 clay
- 159-162 gravel + clay
- 162-247 clay + gravel
- 247-258 gravel + clay
- 258-260 boulders
- 260-263 gravel + clay
- 263-291 boulders
- 291-292 clay
- 292-294 gravel + boulders
- 294-322 boulders + gravel
- 322-323 gravel + sand
- 323-326 gravel + clay

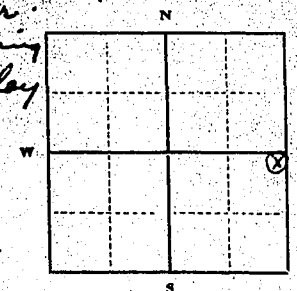
Owner: *Mr. Sid Shivers* Address: *Bellevue, Mont*
Driller: *Dave Cushman* Address: *Bellevue, Mont*

Date of Notice of appropriation of groundwater: _____
Date well started: *Aug 20 69* Date completed: *Aug 25 69*

Type of well: *drilled* Equipment used: *rotary*
(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)
8"	8" x 1.50 #1	46	46			
6"	6" x .81 #2	325	325	1 1/2"	315	325



Static Water Level for non-flowing well _____ feet.
Shut-in Pressure for Flowing Well: *0* _____
Pumping Water Level: *17* _____ feet
at *10* _____ gal. per minute.
Discharge in gal. per min. of flowing well _____
How Tested: *hp 3 g p m*
3/4 pump
Length of Test: *2 hrs*

Mr. Sid Shivers well 8

Contract # H.S.M. 85-69-418

NE 1/4 Sec. 21, T21N, R20W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

A 6" casing at 200' bore. 8" & 6" casing welded together at the surface. (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).

326
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.

These answers all questions; if not applicable, so state, otherwise the form will be returned.

192
Driller's License Number

Dave Cushman
Driller's Signature

STATE OF MONTANA,

County of _____

ss.

having first been duly sworn, depose..... and

say..... that..... he..... of lawful age and..... the appropriator

and claimant..... of the order and water right mentioned in the foregoing notice of

completion of groundwater appropriation by means of well and the person..... whose name

subscribed thereto, as the appropriator..... and claimant....., that..... he..... know..... the

contents of said foregoing notice and that the matters and things therein stated are true.

Mrs. Sydney Shouder

Subscribed and sworn to before me, this *9th* day of *March*, 19 *20*

Ethel M. Harding
Notary Public for the State of Montana.

Residing at *Bellevue Montana*

My Commission expires *7-10* 19 *21*

R. 1195

192728

881261

Will Report

Mrs. Sydney Shouder

The Submitter

STATE OF MONTANA
MAY 9 1920
12:00 Noon
ETHEL M. HARDING
County Clerk and Notary
Stanford Bergen
clerk

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.

WILLARD V. HAYNES

Owner ~~Willard V. Haynes~~

Address ~~MT STRIDES~~

MONT. PARLOR

Date well started FEB 26 '73

completed MAY 3 '73

Type of well DRILLED

Equipment used CABLE TOOL

Water Use: Domestic Municipal Stock Irrigation

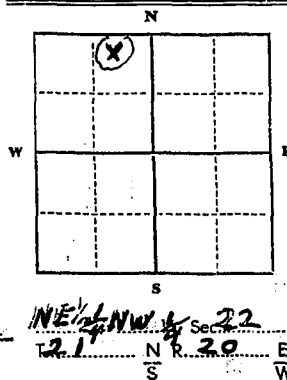
Industrial Drainage Other * Garden/Lawn

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 7,874,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" 17.2#	1.5	426	OPEN BOTTOM		



Static water level Flowft.*
Pumping water level 0ft.*
at 15 gallons per minute,
measured 14 hrs after pumping
began.
*Measured from ground level.
Well developed by BAKER
for 8 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 Henry I Johnson

Driller's Address Box 36 Pahr, Mt 59855

LICENSE NO. 22

RECEIVED
MONTANA STATE DEPARTMENT OF MINES
GEOLOGY AND CONSERVATION
JAN 28 1973
21N-20W
County LAKE 22/1

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	21	TOP SOIL & LOAM
21	40	QUICK SAND
40	286	GRAVELLY CLAY (COAR)
286	330	GRAVEL & COBBLES
330	336	CLAY SANDY GRAVEL
336	342	BLUE SANDY CLAY
342	350	BROWN SAND & SILT
350	365	SAND SILT w/ WATER
365	376	CLAY & GRAVEL
376	378	SAND & GRAVEL w/ WATER
378	380	CLAY & GRAVEL
380	381	BLUE CLAY SANDY SILT
381	401	YELLOW CLAY & GRAVEL
401	408	BLUE CEMENTED GRAVEL
408	415	TAN SAND CLAY & GRAVEL
415	422	YELLOW CLAY & GRAVEL
422	425	BLUE CLAY
425	427	BLUE SAND w/ WATER

426 Show exact depth of bottom

54032

210472

1487

WILLARD V. HAYES

TO THE PUBLIC

WILL REPORT

For Me Better than ever

8
12 21 HRS
From

CHINA BROWN
1135# 412 489
1,251,000

- 280 301 ONE CTVA 4 CTVA
- 280 300 CTVA 4 CTVA
- 280 338 SUND 4 CTVA 4 CTVA
- 280 338 CTVA 4 CTVA
- 280 338 SUND 4 CTVA 4 CTVA
- 280 338 CTVA 4 CTVA

STATE OF MONTANA }
 County of Lake }
 Filed on the 27 day of June }
 A. D. 1973 at 1:50 o'clock P.M. }
 ETHEL M. HARDING }
 County Clerk and Recorder }
 by Jimmie Bell }
 Deputy

When this instrument is recorded, the recorder shall certify to the following: A true and correct copy of the original instrument has been filed with the recorder. A true and correct copy of the original instrument has been filed with the recorder.

DRIVERS

File No. _____

T. 21^Y R. 20

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater April 3, 1952

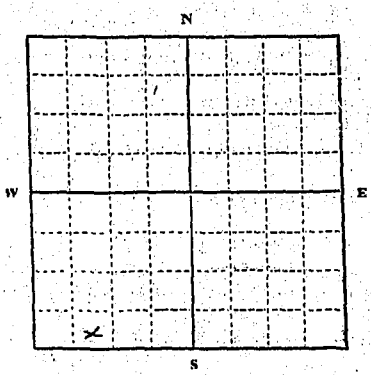
Owner Gerald W. Leighton Address Ronan, Montana

Contractor (if any) _____

Address of Contractor _____

Date Started 7-10-1952 Date Completed 7-17-52

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. This water comes from an open spring which I developed by digging out and cribbing up and fencing. Water table is from the surface of the ground to 1' below ground level in the dry part of the year. Spring produces approximately 40 miners inches of water at all times and drains off into Stinger Creek which drains into Mud Creek.



SE 1/4 SW 1/4 Sec. 22 T21 R20

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent I had an engineer estimate the flow of the Spring. estimate approximate lengths of periods of use. This Spring is used the year around for stock water and irrigation.

Signature of Owner Gerald W. Leighton
Date _____

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.

24379

2877

163257

STATE OF MONTANA
County of Lake,
Filed on the 2 day of Jan
A. D. 1924 at 3:02 o'clock P
HAZEL KINNICK
County Clerk and Recorder
By C. C. C. C.
Deputy

File No.

T 21 N R. 20

DUPLICATE

County... Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

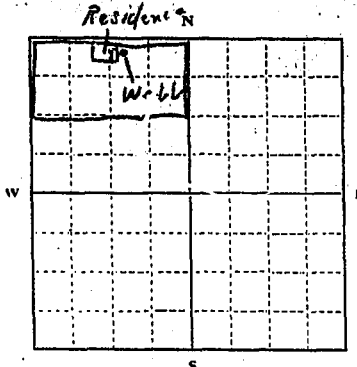
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. E Effie M. Lyon, of Route #1 Ronan, Montana
(Name of Appropriator) (Address) (Town)
County of Lake State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N 1/2 NW 1/4 Sec. 22 T. 20 R. 20
1/4 Sec. T. R.

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

- 2. The beneficial use on which the claim is based household, irrigation, and livestock water
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1929 and has been used continually to date
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 200 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 one acre- garden and yard of owner
- 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. 1929
- 8. The depth of water table. 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. dug and driven well - depth 18 feet
- 10. The estimated amount of groundwater withdrawn each year. 385,000 gallons
- 11. The log of formations encountered in the drilling of each well if available. sand, clay, and gravel
- 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 Effie M. Lyon
Effie M. Lyon
Date Dec. 20, 1963

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

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

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

R-549

167864

Water Report

Effie M. Lyon

to

The Public

STATE OF MONTANA

County of Lake.

Filed on the 27 day of Dec

A. D. 1903 at 10:30 clock P.M.

[Signature]
County Clerk and Recorder

By _____

Deputy

\$12.00

21N-20W

23

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

JUN 7 1971

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.

Robert L. & Shirley M. Layman
David & Nicholi Edgington

Owner: Robert L. & Shirley M. Layman
David & Nicholi Edgington

Address: Mission Meadow Camp
Ground
Ronan, Montana

Date well started: 5/5/71
completed: 5/19/71

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

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

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

*Describe Camp Ground
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition). Approx. 20 acres

For Administrator's Use

File: 198707
June 4, 1971
2:05 PM

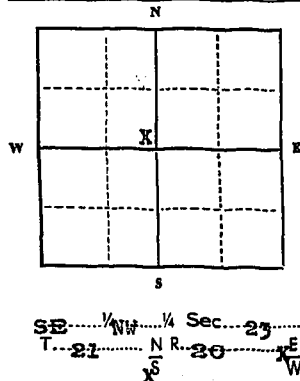
GW 1

Top of Ground Approx. (Elev. above sea level) 5025

From (Feet)	To (Feet)	
0	2	Black dirt
2	4	Gray clay
4	11	Brown sandy clay
11	16	Fine brown sand & few fine gravel.
16	149	Tan silt & a few scattered gravels
149	282	Gravel imbedded in tan & gray clay
282	336	Gravel imbedded in tan & gray clay.
336	343	hard blue cemented gravel
343	349	clean blue gravel, water

ESTIMATED ANNUAL WITHDRAWAL 210,240,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD 2 1/2"	+2	349'	N	O	N E



Static water level flowing ft.*
Pumping water level 97 ft.*
at 150 gallons per minute,
measured 150 minutes after pumping
began.

*Measured from ground level.
Well developed by Air Lift
for 2 1/2 hours. Pump
Power 150 Pump 150 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) All water
entering well through
open bottom of six inch
casing

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

Driller's Signature William F. Osborne

Driller's Address 2500 Reserve Street

Missoula, Montana LICENSE NO. 52

Show exact depth of bottom
349'
Well Flowing 40 GPM free flow
over top of casing. 48576

R-1266

198707

WELL REPORT

Robert L. Layman

to

The Public

STATE OF MONTANA)
County of Lake) ss

Filed on the 4 day of June

A. D. 19 71 at 2:05 o'clock P M

ETHEL M. HARDING

County Clerk and Recorder

By Wilhelmina Laughlin

Deputy

202

23

File No. MONTANA WATER RESOURCES BOARD
DUPLICATE RECEIVED

T. 21 R. 20
County Lake

JUL 30 1969

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)



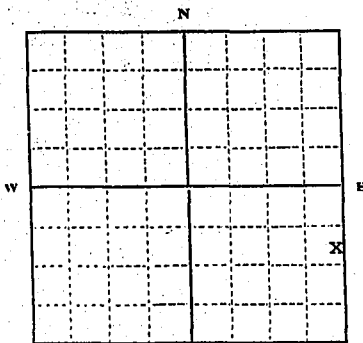
Date of Appropriation of Groundwater July 25, 1969

Owner R. L. Lewis Address Renan, Montana

Contractor (if any) _____

Address of Contractor _____

Date Started _____ Date Completed _____



NE 1/4 SE 1/4 Sec. 23 T. 21 R. 20

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

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.) pump

3) Depth of water table six feet

4) Use of the water irrigation

5) Amount of groundwater claimed (in miner's inches, or gallons per minute) 16 gallons per minute

6) If used for irrigation, give number of acres and description of land 30 acres - SE cor. of N 1/2 of SE 1/4 23-21-20

7) Estimate amount of water used each year unknown

Signature of Owner R L Lewis

Date 6-28-69

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.

45490

R 1153

109102
189702

**GROUND WATER
APPROPRIATION WITHOUT
WELL**

R. L. LEWIS

TO

THE PUBLIC

STATE OF MONTANA)
County of Lake) ss
Filed on the 28 day of July
A. D. 1919 at 10:45 o'clock A. M.
ETHEL M. HARDING
County Clerk and Recorder
By James Bents Deputy

MONTANA WATER RESOURCES BOARD
Groundwater Division
Mitchell Building
Helena, Montana 59601

MONTANA WATER RESOURCES BOARD
RECEIVED

AUG 6 1969

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
- 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 R. L. Lewis Address Ronan, Montana

Location T, 21N., R. 20W., Sec. 23 Document No. 189702

The form is complete as filed. This is to inform you your GW form has been received and no further action is necessary on your part.

The form is incomplete. 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 indicate dates of commencement and completion of spring.

Other.

County recording information is missing. Please forward this information to the Montana Water Resources Board in Helena.

Signature of Owner R L Lewis

Date 6-28-69

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.

15490

NO. MONTANA WATER RESOURCES BOARD
DUPLICATE RECEIVED

T. 21 R. 20
Lake
County

JUL 30 1969 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 July 25, 1969

Owner R. L. Lewis Address Ronan, Montana

Contractor (if any)

Address of Contractor

Date Started July 1-1969 Date Completed July 14-1969

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.) pump

3) Depth of water table six feet

4) Use of the water irrigation

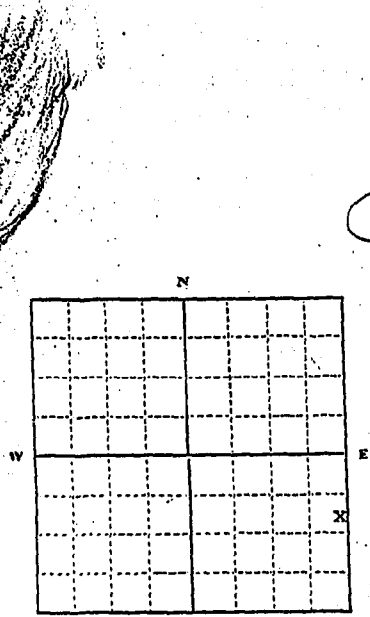
5) Amount of groundwater claimed (in miner's inches, or gallons per minute) 16 gallons per minute

6) If used for irrigation, give number of acres and description of land 30 acres - SE cor. of N 1/2 of SE 1/4 23-21-20

7) Estimate amount of water used each year unknown

Signature of Owner R L Lewis

Date 6-29-69



NE 1/4 SE 1/4 Sec. 23 T. 21 R. 20

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

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.

45490

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 Lydia Rose Metzger

Address Ronan, Montana

Date well started 3/15/71

completed 7/22/71

Type of well Drilled

Equipment used Cable Tools

Water Use: Domestic Municipal Stock Irrigation

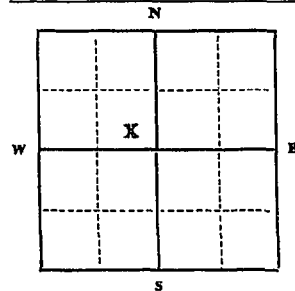
Industrial Drainage Other Garden/Lawn

*Describe Fish culture

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). Raise and maintain approximately 50,000 trout

ESTIMATED ANNUAL WITHDRAWAL 52,560,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	8 5/8" OD x 1/4"	+2	368 1/2	N	O	N E



SE 1/4 NW 1/4 Sec. 23
T. 21N N R. 20W

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

LIBERTY DRILLING COMPANY
Driller's Signature William F. Abene

Driller's Address 2500 Reserve Street

Missoula, Montana LICENSE NO. 52

RECEIVED
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
MAY 16 1973

21N-20W 23
County Lake

DRILLER'S LOG

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

Top of Ground Approx. (elev. above sea level) 3025'

From (Feet)	To (Feet)	Description
0	10	Brown sand
10	22	Red sand and gravel
28	28	Tan silty clay and gravel mixed
28	148	Tan silt and a few scattered gravels
148	304	Gravel imbedded in tan clay
304	337	Gravel imbedded in gray and tan clay
337	349	Hard cemented gravel
349	356	Tight blue gravel mixed in gray clay
356	359	Coarse blue gravel some gray clay
359	364	Blue sand and gravel some gray clay
364	366	Blue sand and gravel some yellow clay
366	368 1/2	Clean gray gravel. Water

Static water level Flowing.....ft.*
Pumping water level 45.....ft.*
at 180.....gallons per minute,
measured 90 minutes after pumping began.

*Measured from ground level.
Well developed by Air Lift
for 5 1/2 hours.

Power Diesel Pump 150 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) well

flows 125 GPM free flow over top of casing when not being pumped. All water entering well

368 1/2 Show exact depth of bottom water rises in well free flow over top of casing 125 GPM

53,089

209513

R-1449

LYDIA ROSE METZGER

TO
THE PUBLIC
WELL REPORT

STATE OF MONTANA
County of Lake
Filed on the 9 day of May
A. D. 19 73 at 2:35 o'clock P.M.
by EILEEN M. HARDING
County Clerk and Recorder
Deputy

through open bottom of eight inch casing. Wells in this area can be depended upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates not in excess of 40 to 50 percent of the tested capacity of the aquifer.

23

File No. _____ MONTANA WATER RESOURCES BOARD
RECEIVED
DUPLICATE FEB 6 1970 Twp. 21. North 20 East

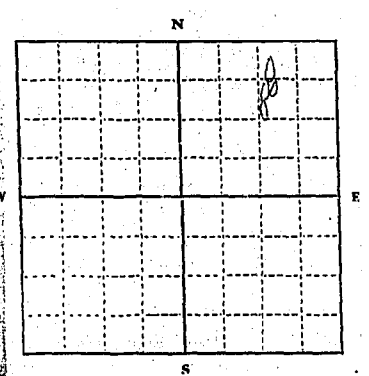
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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 April 1969
Owner Ted Metzger Address Rte 1, Ronan, Montana 59864
Contractor (if any) Arthur Argo
Address of Contractor Hot Springs, Montana 59845
Date Started May 1969 Date Completed June 20th, 1969



SE 1/4 NW Sec 23 T21 R20 West
NE 1/4 SW
Indicate point of appropriation and place of use, if possible.

- 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 10 - 12 feet
- 4) Use of the water fish ponds
- 5) Amount of groundwater claimed (in miner's inches, or gallons per minute) 15 ft. per second
- 6) If used for irrigation, give number of acres and description of land _____
- 7) Estimate amount of water used each year continual flow through fish ponds

Doc. No. 192265
Filed for record
this 4 day of January
A. D. 19 70, at 2:20
o'clock P M.

Signature of Owner _____
Date February 3rd, 1970

5-11-69
RECORDED

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.

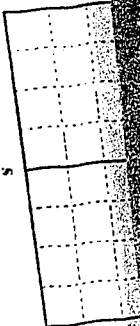
46140

R-1189
192265

TED METZGER
TO
THE PUBLIC

STATE OF MONTANA }
County of Lake } ss
Filed on the 4 day of Feb.
A. D. 19 20 at 2:20 o'clock P.
ETHEL M. HARDING
County Clerk and Recorder
By Jawell Deuts Deputy

SE 1/4 NW Sec. 23, T. 21, R. 20 West
Indicate point of appropriation
and place of use, if possible.



3) Depth of water table 10 - 12 feet
4) Use of the water fish ponds

Gravity

5) Amount of groundwater claimed (in inches, or gallons per minute) 15 ft. per second
6) If used for irrigation, give number of acres and description of

RECEIVED

Twn 21 Nor. 20 West

ORIGINAL

FEB 6 1970

County Lake

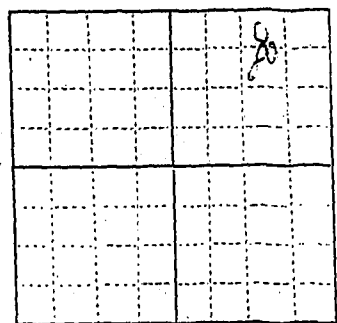
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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: April 1969
Owner: Ted Metzger Address: Rte 1, Ronan, Montana 59864
Contractor (if any): Arthur Argo
Address of Contractor: Hot Springs, Montana 59845
Date Started: May 1969 Date Completed: June 20th, 1969



SE 1/4 NW Sec. 23 T. 21 R. 20 West

NE 1/4 SW
Indicate point of appropriation
and place of use, if possible.

- Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) developed spring
- Means of withdrawing water (gravity, pump, canal, etc.) gravity
- Depth of water table 10 - 12 feet
- Use of the water fish ponds
- Amount of groundwater claimed (in miner's inches, or gallons per minute) 15 ft. per second
- If used for irrigation, give number of acres and description of land
- Estimate amount of water used each year continual flow through fish ponds

Signature of Owner: [Signature]
Date: February 3rd, 1970

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.

STATE OF MONTANA,

County of Lake

ss.

Ted Metzger

having first been duly sworn, depose and

say that he is of lawful age and the appropriator

and claimant of the order and water right mentioned in the foregoing notice of

completion of groundwater appropriation without well and the person whose name is

subscribed thereto, as the appropriator and claimant, that he knows the

contents of said foregoing notice and that the matters and things therein stated are true.

Ted Metzger

Subscribed and sworn to before me, this 3rd day of February, 1970.

A. Kirsch
Notary Public for the State of Montana.

Residing at Ronan, Montana 59864

My Commission expires May 20th, 1970.

STATE OF MONTANA }
County of Lake }
Filed on the 21 day of February
A. D. 1970 at 2:00 o'clock P. M.
By *J. L. ...*
County Clerk and Recorder
Deputy

TED METZGER
TO
THE PUBLIC
WATER WITHOUT WELL

192265

R-1189

23/1

File No. STATE WATER CONSERVATION BOARD

T. 21 R. 20

DUPLICATE JUN 9 1967

County Lake

Bille _____ McDermott _____
 Bullock _____ McNulty _____ STATE OF MONTANA
 Coyle _____ ADMINISTRATOR OF GROUNDWATER CODE
 Darlington _____ Sullivan _____
 Flickert _____ OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....

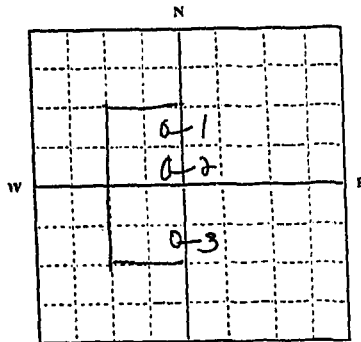
Owner Jed Metzger Address.....

Contractor (if any)

Address of Contractor

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

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. S.P.R.I.N.C. D.O.C. 8 FT.



N E S W 4 5 S N W
 1/4 Sec 23 T21 R20

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

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

1/2 Sec of no 1 Spring & Sec of Spring no 2
1/4 Sec of Spring no 3

Signature of Owner Jed Metzger

Date 6-9-67

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.

42,050

R-1070
180078

STATE OF MONTANA }
County of Lake } ss
Filed on the 7 day of June
A. D. 1967 at 3:30 o'clock P.M
ETHEL M. HARRING
County Clerk and Recorder
By James Adams
Deputy

File No.

T 21 R 20

MONTANA WATER RESOURCES BOARD
DUPLICATE RECEIVED

County Lake

JUL 30 1969

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)

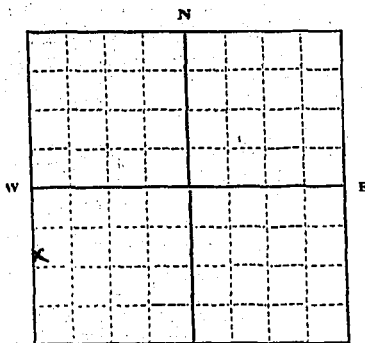
Date of Appropriation of Groundwater July 25, 1969

Owner R. L. Lewis Address Ronan, Montana

Contractor (if any)

Address of Contractor

Date Started Date Completed



SW 1/4 NW 1/4 SW 1/4
1/4 Sec. 24 T. 21 R. 20

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

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.) stock water

3) Depth of water table five feet

4) Use of the water stock water

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

6) If used for irrigation, give number of acres and description of land SW cor. SW 1/4 of NW 1/4 of SW 1/4 24-21-20

7) Estimate amount of water used each year unknown

Signature of Owner R. L. Lewis

Date 7-29-69

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.

45489

R 1154

189703

**GROUNDWATER
APPROPRIATION WITHOUT
WELL**

R. L. LEWIS

to

THE PUBLIC

STATE OF MONTANA }
County of Lake } ss

Filed on the 28 day of July

A. D. 1909 at 10:47 o'clock A.M.

ETHEL M. HARDING

County Clerk and Recorder

By [Signature]

Deputy

Other:

County recording information is missing. Please forward this information to the Montana Water Resources Board in Helena.

MONTANA WATER RESOURCES BOARD
RECEIVED

MONTANA WATER RESOURCES BOARD
Groundwater Division
Mitchell Building
Helena, Montana 59601

AUG 6 1969
E. J. D.
Mane

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
- 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 R. L. Lewis Address Ronan, Montana
Location T. 21N., R. 21W., Sec. 24 Document No. 189703

The form is complete as filed. This is to inform you your GW form has been received and no further action is necessary on your part.

The form is incomplete. 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 indicate dates of commencement and completion of spring.

Other.

County recording information is missing. Please forward this information to the Montana Water Resources Board in Helena.

Signature of Owner

R. L. Lewis

Date

7-29-69

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.

45489

MONTANA WATER RESOURCES BOARD
DUPLICATE RECEIVED

T. 21 R. 20
County Labre

JUL 30 1969

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)

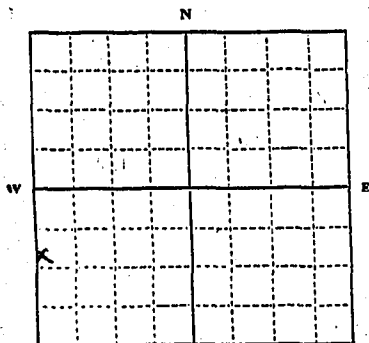
Date of Appropriation of Groundwater July 25, 1969

Owner R. L. Lewis Address Ronan, Montana

Contractor (if any) _____

Address of Contractor _____

Date Started July 1 - 1969 Date Completed July 14 - 1969



SW 1/4 NW 1/4 SW 1/4
1/4 Sec. 24 T. 21 R. 20

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

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.)
stock water

3) Depth of water table five feet

4) Use of the water stock water

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

6) If used for irrigation, give number of acres and description of
land SW cor. SW 1/4 of NW 1/4 of SW 1/4
24-21-20

7) Estimate amount of water used each year unknown

Signature of Owner R. L. Lewis

Date 7-29-69

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.

45489

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 Carroll & Velva Noland
 Address Rte. 1 Box 166-B
Roman, Montana 59864
 Date well started 8-12-68
 completed 5-24-70

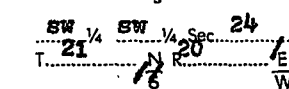
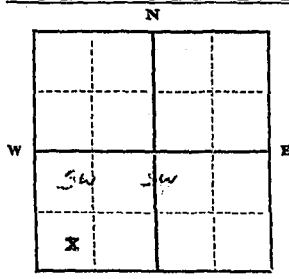
For Administrator's Use
File <u>196067</u>
<u>Home on NW 16, 1970</u>
<u>P. 30 P.M.</u>
GW 1

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). 1 acre Foot Per Acre For 36.5 Acres

ESTIMATED ANNUAL WITHDRAWAL Domestic 365,000 gal.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" 2 lb per foot	6"	285"	none		



Static water level artesian ft.*
 Pumping water level flowing ft.*
 at 130 gallons per minute,
 measured 10 minutes after pumping
 began. 10# pressure
 *Measured from ground level.
 Well developed by blower
 for 12 hours.
 Power none Pump none HP
 Remarks: (Gravel packing, cementing,
 packers, type of shutoff) casing seal
shut off valve

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

Driller's Signature Fred Morrison
 Driller's Address Pablo, Montana 59855

P. O. Box 202 LICENSE NO. 108

21N-20W
 County Lake
 DRILLER'S LOG
 Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.
 Top of Ground (Elev. above sea level) 2995

From (Feet)	To (Feet)	Character
0	2	black soil
2	50	quick sand
50	80	yellow clay
80	95	quick sand
95	125	clay & quick sand
125	150	quick sand
150	285	clay & gravel

285' Show exact depth of bottom well flowing 130 gallons per minute free flow over top of casing

477759

R- 1238
 196667
CARROLL & VELVA WOLAND
 TO THE PUBLIC
 DEPARTMENT OF REVENUE
 STATE OF MONTANA
 HEAVENLY BAY DRIVE
 GREAT FALLS, MONTANA
 59404

STATE OF MONTANA) ss
 COUNTY OF LAKE)

Filed on the 16th day of
 Nov. A.D. 1970 at 8:30 A.M.

Ethel M. Harding
 County Clerk and Recorder

By Jessie Bents
 Deputy

2.00

RECEIVED BY THE COUNTY CLERK AND RECORDER
 DATE: 11-16-70
 TIME: 8:30 AM
 BY: JESSIE BENTS
 DEPUTY

I hereby certify that the foregoing is a true and correct copy of the original as the same appears on the records of the County Clerk and Recorder of the County of Lake, State of Montana.

Date of issue: 11-16-70
 Date of payment: 11-16-70
 Amount: \$2.00

Method of payment: Cash Check Money Order Other

21N-20W
County Lake 24

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD JUN 3 1973

RECEIVED

DRILLER'S LOG

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL
DEVELOPED AFTER JANUARY 1, 1962

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

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

Owner Vic Starkel
Address Ronan, Montana 59864
Date well started Feb. 5, 1973
completed March 22, 1973

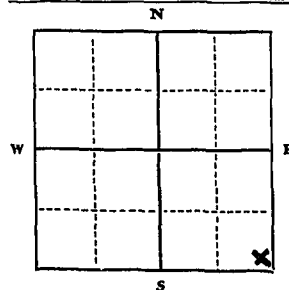
For Administrator's Use
File R1463; 209926
June 4, 1973
GW 1 18:25 p.m.

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

*Describe
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e., lot, block, and Addition) Irrigation of S 1/2 SE 1/4, Sect. 24, T 21 N, R 20W; West 20 acres of W 1/2 SW 1/4, Sect. 19, T 21 N, R 19W.

ESTIMATED ANNUAL WITHDRAWAL 100,000,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
10" ID	10" ID 33 lb per ft. g.l.	1' above	339'	Mills	245	258
				Knife	275	280
				3/8" x	310	322
				3"	330	336



Static water level 16 ft.*
Pumping water level 28 ft.*
at 375 gallons per minute,
measured 1 minutes after pumping began.

*Measured from ground level.
Well developed by Turbine Pump
for 4 hours.
Power Engine Pump 30 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

SE 1/4 SE 1/4 Sec. 24
T. 21 N. R. 20 W

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

Driller's Signature Phil Barthe
CAMP WELL DRILLING & PUMP SUPPLY
Driller's Address 1522 S. 14th W., Missoula, Montana 59801

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	2	Brown Sandy Topsoil
2	20	Sand
20	65	Silty Sand & Water
65	92	Tan Clay & Gravel
92	108	Sandy Clay
108	195	Gravel & Tan Clay
195	201	Boulders & Clay
201	203	Tan Clay & Gravel
203	204	Gravel Water & Clay
204	240	Tan Clay & Gravel
240	258	Gravel Clay & Water
258	262	Boulders & Clay & some water
262	275	Gravel & Clay, Some Water
275	277	Gravel & Water
277	280	Gravel, Boulders & Water
280	282	Gravel Clay & Water
282	292	Sand & Clay, small gravel
292	296	Gravel, some clay & Water
296	304	Heavy Clay & Gravel
304	322	Gravel, some Clay & Water
322	328	Gravel, Heavy Yellow Clay & some water
328	336	Clay, gravel & Water
336	344	Clay

LICENSE NO. 7

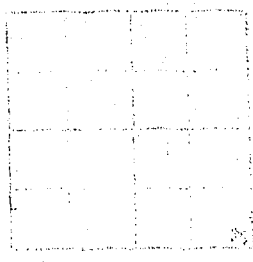
344' Show exact depth of bottom

53.364

209926

1463

**VIC STARKEL
TO
THE PUBLIC
WELL REPORT**



DATE	TIME	DEPTH	TEMPERATURE	WIND	WEATHER	REMARKS
1973	12:25	10	58	W	Partly Cloudy	Water level 10.00
1973	12:30	20	55	W	Partly Cloudy	Water level 20.00
1973	12:35	30	52	W	Partly Cloudy	Water level 30.00
1973	12:40	40	50	W	Partly Cloudy	Water level 40.00
1973	12:45	50	48	W	Partly Cloudy	Water level 50.00
1973	12:50	60	46	W	Partly Cloudy	Water level 60.00
1973	12:55	70	45	W	Partly Cloudy	Water level 70.00
1973	1:00	80	44	W	Partly Cloudy	Water level 80.00
1973	1:05	90	43	W	Partly Cloudy	Water level 90.00
1973	1:10	100	42	W	Partly Cloudy	Water level 100.00

WATER LEVEL MEASUREMENTS FOR WELL NO. 1463

DATE: 1973 JUN 4

TIME: 12:25 P

DEPTH: 10

TEMPERATURE: 58

WIND: W

WEATHER: Partly Cloudy

REMARKS: Water level 10.00

STATE OF MONTANA)
County of Lake)
Filed on the 4 day of June
A 73 12:25 P M
EMHEL M. HARDING
by Jewell Burt
Deputy

25

T. 21 R. 20

County Lake

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
SEP 8 1952

WATER WELL LOG

STATE ENGINEER

x	x		

Owner Wilbur Clark Address Box 471, Ronan, Mont.

Driller Earl King (now deceased) Address St. Ignatius, Mont.

Date Started August 14, 1952 Date Completed Sept. 3, 1952

Location: Sec. 25 T. 21 R. 20 1/4 sec. S1NW1

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other:

Casing: 287 ft. to ft. Type Size 6-5/8 inch

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

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

Type of screen or perforations none

Static Water level, for non-flowing well: three (3) feet from top of ground feet.

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

Pumping water level: 3 feet at 25 gal. per min.

How tested:

Length of test:

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

Formerly flowed 5 feet above ground from early June to early December of each year. Since development of Peschel well west of Ronan, only flows from late August to early December of each year. When not flowing raises to within 3 feet of surface of ground. Flows into drain most of time.



(over)

R-18
145867
Water Well Log
Welby Clark
&
The Public

STATE OF MONTANA
County of Lake,
Filed on the 6 day of June
A. D. 1964 at 4:22 o'clock P.M.
HAZEL HINNICK
County Clerk and Recorder
By 50 Cowan
Deputy

25

File No.

T. 21^N R. 20^W

DUPLICATE

County Lake

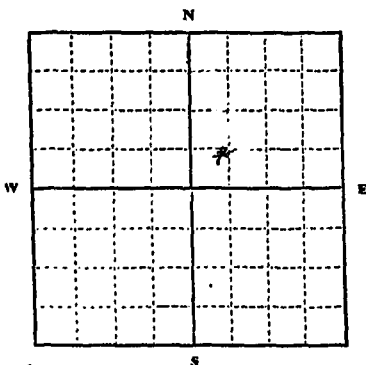
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Wilbur Clark - Ruth Smith, of Ronan
(Name of Appropriator) (Address) (Town)
County of Lake State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



5 1/2 P.E.
SW 1/4 NE 1/4 Sec. 25 T. 21 R. 20

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

2. The beneficial use on which the claim is based. Houses and Livestock Garden and Lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Used every day
Sept. 15, 1952

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 25 - 30

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. Family Size Garden for home use.
acres irrigation normal lawn sprinkling

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. Sept 4, 1952 completed Aug 16, 1952 started

8. The depth of water table. well is 287' deep when not flowing rises to within 3' of surface of ground.

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. 287' deep churn drill 6 5/8" casing
drilled by Earl King (deceased) St. Ignace Mont.

10. The estimated amount of groundwater withdrawn each year. normal use for house + cattle garden + lawn

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

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 Wilbur Clark
Ruth Smith
Date

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.

14899

R 493

162781

Wilbur Clark
Ruth Smith
to
The Public

STATE OF MONTANA

County of Lake,

Filed on the 26 day of Dec

A. D. 1963 at 2:40 o'clock P.M.

HAZEL KINNICK

County Clerk and Recorder

By E. Cowman

Deputy

File No.

T 21N R 20W

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED

County Lake

LOG

AUG 26 1969

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

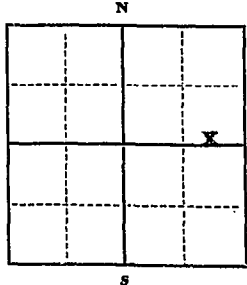
Top of Ground
(Elev. above sea level. Approx. 3080 ft.)

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

Formations Log:

- 0 - 1 Black dirt. (Under Chapter 237 Montana Session Laws, 1961, as amended)
- 1 - 27 Tan silty clay. **Box 348**
- 27 - 51 Fine brown sand imbedded in tan silt. **Owner: Mr. George Goggins & Joan Goggins** Address: Ronan, Montana
- 51 - 92 Tan sand imbedded in tan silt. **Driller: Liberty Drilling Co.** Address: Missoula, Montana
- 92 - 125 Tan silty clay and gravel mixed. **Date of Notice of appropriation of groundwater: None filed**
- 125 - 226 Gravel imbedded in tan clay. **Date well started: 7/15/69** **Date completed: 8/11/69**
- 226 - 230 Blue gravel and tan clay. **Type of well: Drilled** **Equipment used: Cable tools**
(Dug, driven, bored or drilled) (Churn drill, rotary or other)
- 230 - 236 Fine brown silty sand. **Water use: Domestic Municipal Stock Irrigation**
Industrial Drainage Other
- 236 - 249 Sand and gravel imbedded in tan silt, silty water, S.W.L. 41 ft. **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:**
- 249 - 257 Gravel imbedded in tan clay.
- 257 - 264 Blue gravel and some gray clay. **Water. S.W.L. 10 ft.**
- 264 - 309 Tight blue gravel. **Water.**
- 309 - 321 Tight blue gravel and some gray clay. **Seeps of water.**
- 321 - 324 Gravel imbedded in yellow clay.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	8 5/8" OD x 1/2"	+1'6"	322	Mills Knife	257	315



Static Water Level for non-flowing well 7'6" feet.

Shut-in Pressure for Flowing Well Non-f

Pumping Water Level 20'10" feet

at 425 gal. per minute.

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

How Tested Pump test

Length of Test 2 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through perforations in eight inch casing.

Water rises in the well 7'6" from surface.

SEK NEW

1/4 Sec. 25 T21N R.20W

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).

Approximately 80 acres.

Show exact depth of bottom.

Bottom of well 324 ft.

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

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

52
Driller's License Number

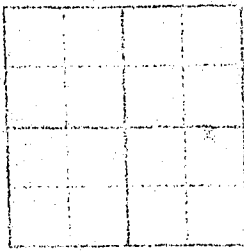
William F. Osborne
Driller's Signature.

45557

Printed on high grade paper

THIS REPORT IS TO BE FILED IN THE OFFICE OF THE COUNTY CLERK AND RECORDER AT THE COUNTY SEAT OF THE COUNTY OF LAKE, MONTANA.

THIS REPORT IS TO BE FILED IN THE OFFICE OF THE COUNTY CLERK AND RECORDER AT THE COUNTY SEAT OF THE COUNTY OF LAKE, MONTANA.



PUMP TEST: 8/11/69

<u>TIME</u>	<u>WATER LEVEL</u>	<u>GPM</u>	<u>REMARKS</u>
1:45	9'	0	Started Pump
2:00	19' 8"	425	Clear and Sand Free
2:15	20' 4"	425	" " " "
2:30	20' 6"	425	" " " "
2:45	20' 8"	425	" " " "
3:00	20' 10"	425	" " " "
3:15	20' 10"	425	" " " "
3:30	20' 10"	425	" " " "
3:45	20' 10"	425	" " " "

R-1162

WELL REPORT

GEORGE CROGAN

TO

THE PUBLIC

STATE OF MONTANA
 County of Lake
 Filed on this 22 day of August
 A. D. 1969 4:32 P.M.
 ETHEL M. HARDING
 County Clerk and Recorder
 by *[Signature]*
 Deputy

1000 2.00

File No.

T. 21^N R. 20^W

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

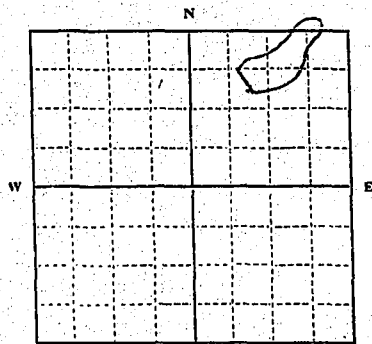
Date of Appropriation of Groundwater purchased 1950
Owner Beatrix P. Hall Address R#2, Poncha, Mont

Contractor (if any)

Address of Contractor

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

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



1/4 Sec. 25, T. 21, R. 20
Indicate point of appropriation and place of use, if possible.

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

estimate approximate lengths of periods of use.....

So far just used for stock.
Plan to use for sprinkling system.
Flow equals 1/2 ft. steady year around.

Signature of Owner Beatrix P. Hall

Date Dec. 30, 1963

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

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

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

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

R-608

167936

Noah + Beatrice Hall

To

The Public

STATE OF MONTANA

County of Lake

Filed on the 30 day of

A. D. 1903 at 2:57 o'clock P. M.

County Clerk and Recorder

By

Deputy

RECEIVED

21N-20W
County LAKE 25

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

NOV 28 1972

DRILLER'S LOG

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

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 CL. LAKE

Address ROMAN MT 59855

Date well started 6-28 72

completed 7-21 72

Type of well DRILLED

Equipment used CABLE TOOL

Water Use: Domestic Municipal Stock Irrigation

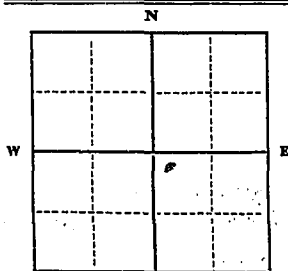
Industrial Drainage Other * Garden/Lawn

*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 8,640,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" 10 + 16" 17.2#	292'-8"		NONE		



Static water level 5' 4" ft.*
Pumping water level 7' 10" ft.*
at 40 gallons per minute,
measured 120 minutes after pumping began.

*Measured from ground level.

Well developed by PUMP
for 3.6 hours.

Power _____ Pump _____ HP

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

T. 21 N. 20 W. Sec. 25
R. 20

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

Driller's Signature Henry E. Johnson

Driller's Address Box 36

PABLO, MT 59855 LICENSE NO. 22

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
0	7	TOP SOIL
7	45	QUICK SAND
45	107	STICKY CLAY LAYERS SAND
107	109	COURSE SAND
109	150	CLAY & SAND
150	151	COBBLE STONES
151	170	CLAY & SAND
170	185	HARD CLAY & ROCK
185	217	CLAY & ROCK
217	225	ROCK & CLAY
225	230	CLAY & GRAVEL
230	240	SOFT CLAY & GRAVEL
240	242	SAND
242	249	CLAY
249	265	COBBLE STONES
265	287	HARD GRAVEL & CLAY
287	289	SAND & WATER
289	292	HARD ROCKS & WATER

292'-8" Show exact depth of bottom

5,900

206754
1398

C. L. WELLS
THE PUBLIC WELL REPORT

STATE OF MONTANA
County of Lake

Filed on the 27 day of Nov 2007
A. P. 72 at 12:30 P. M.

County Clerk and Recorder
By *Lewell Wells*
Deputy

PLEASE PRINT NAME AND ADDRESS OF WELL OWNER
OWNER: C. L. WELLS
ADDRESS: 206754
1398
C. L. WELLS
THE PUBLIC WELL REPORT

DATE: 11-28-07
COURT: J-51 25
BANK: BANK OF AMERICA
WELL: CAROLINE JOE

TYPE OF WELL: DRILLER
 OTHER

APPROXIMATE DEPTH: 100 FT
APPROXIMATE DIAMETER: 6 INCHES

NO.	SECTION	OWNER
121	130	CYRIL F. WELLS
122	121	CAROLINE JOE
123	122	CYRIL F. WELLS
124	123	CYRIL F. WELLS
125	124	CYRIL F. WELLS
126	125	CYRIL F. WELLS
127	126	CYRIL F. WELLS
128	127	CYRIL F. WELLS
129	128	CYRIL F. WELLS
130	129	CYRIL F. WELLS
131	130	CYRIL F. WELLS
132	131	CYRIL F. WELLS
133	132	CYRIL F. WELLS
134	133	CYRIL F. WELLS
135	134	CYRIL F. WELLS
136	135	CYRIL F. WELLS
137	136	CYRIL F. WELLS
138	137	CYRIL F. WELLS
139	138	CYRIL F. WELLS
140	139	CYRIL F. WELLS

File No. _____

Sec 26
W 1/2 SE 1/4

T 21 R 20

County Lake

ORIGINAL

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
(Elev. above sea level.....)
Well - North of Ronan

- 0-1 Top soil
- 1-22 Sand
- 11-53 Silty sand and Water
- 53-91 Clay
- 91-207 Cemented Gravel & Clay
- 207-235 Clay and Gravel
- 235-255 Clay
- 255-297 Cemented Clay & Gravel
- 297-308 Clay and Gravel
- 308-329 Clay
- 329-339 Cobelstones Gravel & Clay
- 339-340 Blue Clay
- 340-346 Gravel & Water
- 346-350 Gravel & Clay

Owner Don Koester & Vic Starke Address Ronan, Montana
Driller CAMP WELL DRILLING & PUMP SUPPLY Address 1522 S. 14th W. Missoula, Montana

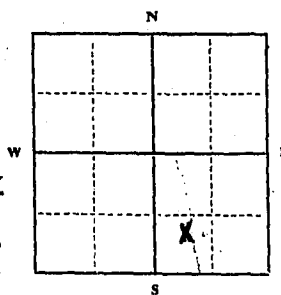
Date of Notice of appropriation of groundwater.....
Date well started Feb. 2, 1970 Date completed March 28, 1970

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)
12" I.D.	12" I.D.	G. L.	350' 4"	Mills	340'	345'
	49 lb per ft.			Knife		
				1/2 x 3"	total	145 holes



Static Water Level for non-flowing wellfeet.

Shut-in Pressure for Flowing Well 16.15

Drawdown - 30'

Pumping Water Level 30 feet

at 1200 gal. per minute.

Discharge in gal. per min. of flowing well

350 GPM

How Tested Test Pump

Length of Test 5 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) Cemented 4' in.

bottom of well.

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Doc. No. 193020 R.1197
Filed for record
this 31 day of March
A. D. 1970, at 4:00
o'clock P.M.

1/4 Sec 26 T. 21 R. 20
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

70 acres E 1/2 SW 1/4 Sec 26, T 21 R 20
7.4 acres W 1/2 SE 1/4 Sec 26, T 21 R 20

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.

License # 7
Driller's License Number

J. Lewis Camp
Driller's Signature
CAMP WELL
DRILLING & PUMP SUPPLY

STATE OF MONTANA,
County of Lake ss.

Don Koester having first been duly sworn, deposes and says that he is of lawful age and is one of the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name is one of subscribed thereto, as the appropriator and claimant that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Don Koester

Subscribed and sworn to before me, this 30 day of March, 1970

John R. Lenz
Notary Public for the State of Montana.

Residing at Ronan, Mont.

My Commission expires April 19, 1970.

R-1197

193020

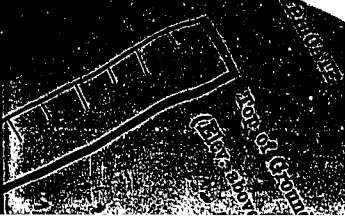
Will Sports

Don Koester

The Public

STATE OF MONTANA
County of Lake
filed on the 31 day of March
1970 at Ronan, P.
ETHEL M. HARDY
County Clerk
Richard Rogers

RECEIVED
APR 2 1970



26

T 21 R 20

County Lake

DATE

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 Don Rooster & Vtc Stockal Address Ranch, Montana
550 S. 14th St.
Driller Don Rooster & Vtc Stockal Address Missoula, Montana

Top of Ground
(Elev. above sea level.....)
Well - North of Ranch
0-1 Top soil
1-11 Sand
11-53 Silty sand and Water
53-91 Clay
91-107 Cemented Gravel & Clay
107-205 Clay and Gravel
205-257 Clay
257-297 Cemented Clay & Gravel
297-308 Clay and Gravel
308-325 Clay
325-335 Cobblestones Gravel & Clay
335-340 Blue Clay
340-345 Gravel & Water
345-350 Gravel & Clay

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

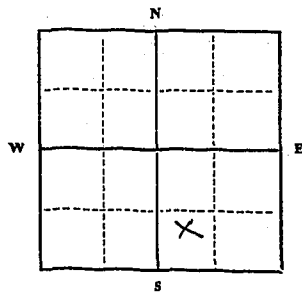
Date well started Feb. 2, 1971 Date completed March 27, 1973

Type of well Drilling 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)
7 1/2"	12" L.	C. L.	350-14"	Mills	360'	346'
	40 LB			Knife		
	100 ft.			5 x 3"	total	145 holes



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

Shut-in Pressure for Flowing Well 16 lb
Pumping Water Level 30 feet

at 1200 gal. per minute.

Discharge in gal. per min. of flowing well 350 GPM

How Tested.....

Length of Test 5 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) Cemented 4' in bottom of well.

1/4 Sec. T 21 R 20
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

Licenses 7
Driller's License Number

Glenn Conroy
Driller's Signature

T. 21 R. 20
 County Golden

JAN 1937

LOG

STATE OF MONTANA
 ADMINISTRATOR OF GROUND WATER CODE
 OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
 Appropriation by Means of Well
 DEVELOPED AFTER JANUARY 1, 1937

(Under Chapter 287, Montana Session Laws, 1935)

Owner W. J. ... Address ...

Driller ... Address ...

Date of Notice of appropriation of groundwater ...

Date well started Feb. 2, 1937 Date completed March 2, 1937

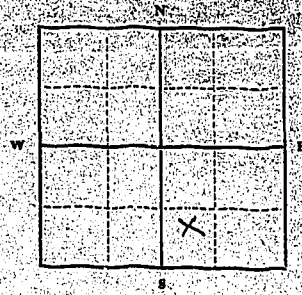
Type of well Driller's Equipment used Churn drill, rotary (or other)
 (Dug, driven, bored or drilled)

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.

- 53-57 Clay
- 57-57 Cemented Gravel & Clay
- 57-58 Clay and Gravel
- 58-58 Clay
- 58-59 Cemented Clay & Gravel
- 59-59 Clay
- 59-60 Clay and Gravel
- 60-60 Clay
- 60-61 Sandstone Gravel & Clay
- 61-61 Blue Clay
- 61-62 Gravel & Water
- 62-62 Gravel & Clay

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
10 1/2"	7 1/2" 50 lb per ft	C. L.	58 1/2"	Screen	58 1/2"	60"
				2" x 3"	60"	62"



Static Water Level for non-flowing well ...

Shut-in Pressure for Flowing Well ...

Pumping Water Level ... at ... gal. per minute

Discharge in gal. per min. of flowing well 350.00

How Tested ... Length of Test 5 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) Cemented 41 in bottom of well.

1/4 Sec. T. 21 R. 20
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

License 7
 Driller's License Number
W. J. ...
 Driller's Signature

R. 1197

193020

Well Report
Don Koester

To
The Public

STATE OF MONTANA
County of Park
Filed on the 30th day of Mar
A. D. 1970 at 4:00 P. M.
ETHEL M. HARDING
by *[Signature]*

MONTANA WATER RESOURCES BOARD
RECEIVED
APR 2 1970

File No.

T. 26 R. 20 S. 26

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

RECEIVED
JUN 17 1965

Notice of Completion of Groundwater Appropriation by Means of Well ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

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

Formation Log:
0 - 2 Black dirt.
2 - 40 Tan sandy silty clay.
40 - 80 Tan sandy silt
80 - 140 Tan silty clay with few gravel imbedded.

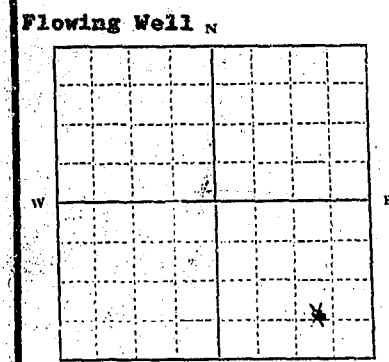
Owner: Donald Wm. Lake Address: Polson, Montana
Driller: Liberty Drilling Co. Address: Missoula, Montana

140 - 280 Gravel imbedded in tan clay. Date of Notice of Appropriation of Groundwater: None-filed.
280 - 312 Cemented gravel & tan clay in thin alternate layers. Date well started: 3/15/65 Date Completed: 3/29/65
Type of well: Drilled (dug, driven, bored or drilled) Equipment Used: Cable Tools (Churn, drill, rotary or other)

312 - 322 Gravel imbedded in tan clay.
322 - 323 Coarse gray sand with some water.
Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

323 - 326 Coarse gray sand & fine gravel with some yellow clay mixed in.
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

Depth (Feet)	Description	Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
						Kind Size	From (Feet)	To (Feet)
326 - 332	Yellow clay with some gravel imbedded.	6"	6 5/8 OD x 1/2 inch	+1'6"	334	N	O	N
332 - 335	Clean coarse gravel. Water.							
335	Yellow clay with some gravel imbedded.							



SE 1/4 Sec. 26 T. 21 R. 20
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.
Bottom of Hole 334'

Static Water Level for non-flowing Well: Flowing Well feet.
Shut-in Pressure for Flowing Well: 27#
Pumping Water Level: 165 feet at 1.50 gal. per minute.
Discharge in gal. per min. of flowing well: 1.50
How Tested: Air Lift Pump Length of Test: Four hours
Remarks: (Gravel packing, cementing; packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of

acres irrigated, if used for irrigation) All water is entering well through open bottom of six inch casing.

The well will supply water for 100 acres to be irrigated.

52
Driller's License Number
William F. Osborne
Driller's Signature

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

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

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

39225

R 995

170910

Well Report

Donald W Lake

to

The Public

FOR AM

STATE OF MONTANA } ss
County of Lake }
Filed on the 15 day of June
A. D. 1965 at 10 o'clock 9 M
HAZEL KINNICK
County Clerk and Recorder
by E. Courman
Deputy

RECORDED
1965 JUN 15 10 09 AM

File No.

T. 21^N R. 20^W

DUPLICATE

County Lake

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

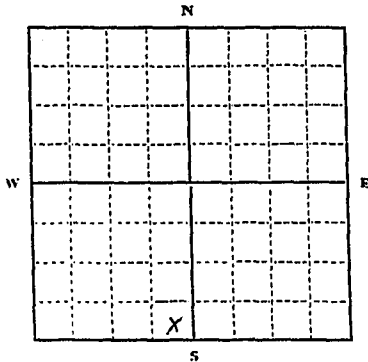
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Louise M. Bilile, of RR #1 Ronan
(Name of Appropriator) (Address) (Town)

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



SE 1/4 SW 1/4 Sec 27 T. 21 R. 20

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1919 and has been used continuously ever since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof used to irrigate lawn & garden about 1 acre Louise Bilile

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal with drawn by centrifugal pump, well located 130 feet west of house

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1919

8. The depth of water table 15 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Sand point 2" pipe 20 ft deep

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

11. The log of formations encountered in the drilling of each well if available loam, sand, gravel

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 Louise M. Bilile

Date Dec. 31, 1963

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

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

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

R-948

163091

Louise Bilite

STATE OF MONTANA

County of Lake,

Filed on the 31 day of Dec
A. D. 1963 at 1:00 o'clock P.M.

HAZEL KINNICK

County Clerk and Recorder

By M. Kraus

Deputy

200

File No.

T. 21 R. 20

DUPLICATE

County

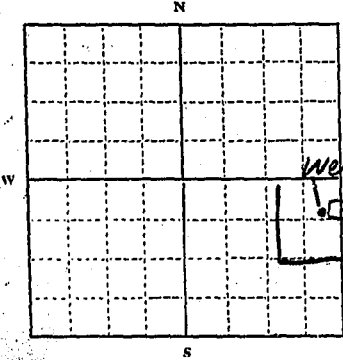
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

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

1. K.R. Lindburg of Rt. 1 Ronan
(Name of Appropriator) (Address) (Town)

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



2. The beneficial use on which the claim is based... Household, livestock and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been... 1948 and continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 100 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof... 1/2 acre lawn and garden of owner

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... 1948

8. The depth of water table... 6 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater... 2" casing dug well 8 feet deep

10. The estimated amount of groundwater withdrawn each year... 550,00 gallons

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

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 Available

Signature of Owner

K.R. Lindburg
Date... December 31, 1963

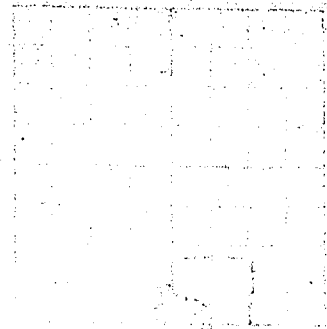
Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

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

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

24380

2880
16 3258



STATE OF MONTANA
County of Lake,
Filed on the 2 day of Jan
A. D. 1964 at 3:07 o'clock P.M.
HAZEL KINNICK
County Clerk and Recorder
By C Cowman
Deputy

28

File No. _____

T. 21 N R 20 E

DUPLICATE

County LAKE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

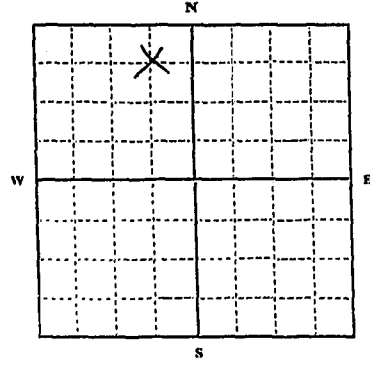
RECEIVED
JAN 2 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

Under Chapter 237, Montana Session Laws, 1961)

1. James & Lay Mook, of B.R.1 Roman
(Name of Appropriator) (Address) (Town)

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



N.W. 1/4 Sec 28, T. 21, R. 20
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based
Domestic, livestock, irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
Oct. 20, 1950
steadily

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
300,000

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 - lawns & gardens
B. Roman - J. Mook

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
10/1/50 - 10/10/50

8. The depth of water table
247 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
drilled well - 8" casing

10. The estimated amount of groundwater withdrawn each year
15,600,000

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

This well is shared equally between Roman, and Mook.

Signature of Owner: *James Mook, Lay Mook, B. Roman*
Date: *12/30/63*

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

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

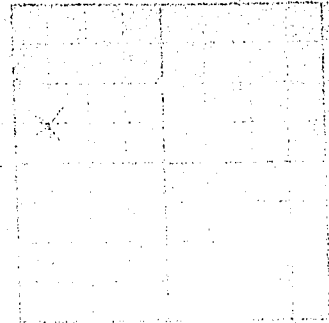
Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

17428

R 621

162949

Water Report
Brainerd Horner et al
James Mook et al
to
The Public



RECORDED
INDEXED
MAY 11 1949

STATE OF MONTANA

County of Lake, *De*

Filed on the *30* day of *Dec*
A. D. 19*63* at *48* o'clock *P*

HAZEL KINNICK

County Clerk and Recorder

By *E. Cowman* Deputy

200

328

File No. STATE WATER CONSERVATION BOARD

T 21 N R 20 W

DUPLICATE

JAN 8 1965

County Lake

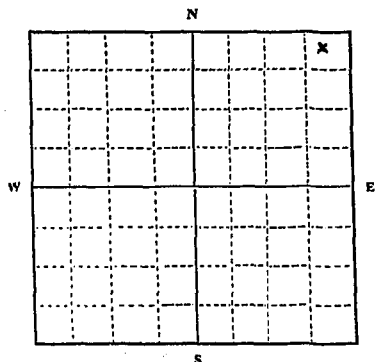
Billie _____ McDermott _____ STATE OF MONTANA
Butzerin _____ McPherson _____ ADMINISTRATOR OF GROUNDWATER CODE
Coyle _____ _____
Darlington _____ Sullivan _____ OFFICE OF STATE ENGINEER
Dickert _____

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. RAYMOND K RYNE, of BONAN, MONTANA
(Name of Appropriator) (Address) (Town)

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



NE 1/4 Sec 28 T21NR20W

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 & Stockwater
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1940
through until 1960
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal per minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
None
- 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 information not available
- 8. The depth of water table 15 feet
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
concrete well - 3 feet diameter - 30 feet deep
- 10. The estimated amount of groundwater withdrawn each year 30000 gallons per year
- 11. The log of formations encountered in the drilling of each well if available
information 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
information not available

Signature of Owner

Date December 28 - 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.

40316

R-1027

173711

Water Report
Raymond K. Rung
to
The Public

STATE OF MONTANA
County of Lake
Filed on the 30 day of Dec.
A. D. 19 65 at 2:03 o'clock P. M.
HAZEL KINNICK

County Clerk and Recorder
By Mae Johnson
Deputy

\$2.00

RECEIVED

21N-20W
LAKE
County
30

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

JUN 21 1972

DRILLER'S LOG

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962

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 EARL & BONNIE MITCHELLER
Address PABLO MT
Date well started 4-24-72
completed 5-30-72

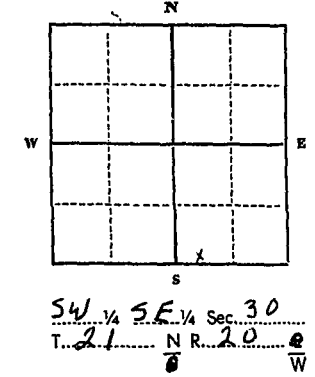
For Administrator's Use	
File #	<u>R1357, #20424</u>
Date	<u>June 20, 1972 3:45 p.m.</u>
GW #	

Type of well: DRILLED
Equipment used: CABLE TOOL
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 500,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" 17.2 #	+ 1 1/2	388-6"	NONE		



Static water level 80 ft.*
Pumping water level 90 ft.*
at 2.18 gallons per minute,
measured 24 HRS after pumping began.
*Measured from ground level.
Well developed by PUMP
for 7.2 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 Henry E. Johnson
Driller's Address Pablo Mt 59855
LICENSE NO. 22

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	206	CLAY
206	208	SAND GRAVEL & QUICKSAND
208	225	QUICK SAND
225	245	CLAY w/ GRAVEL
245	255	CLAY GRAVEL & SAND
255	265	SAND
265	345	CLAY w/ GRAVEL
345	346	GRAVEL
346	358	QUICKSAND
358	376	LAYERS CLAY & SAND
376	381	HARD PACKED SAND
381	383	SAND w/ SOME GRAVEL
383	387	SAND & SILT
387	388	SAND & FINE GRAVEL with water

388-6" Show exact depth of bottom

59642

