

File No.

T. 12 R. 20

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1962

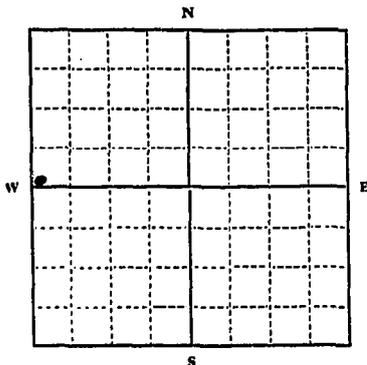
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Francis A. or Della H. Ahern, of Box 155, Lolo
(Name of Appropriator) (Address) (Town)

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



SW 1/4 NW Sec. 34 T. 12 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 hold
man irrigation & livestock water

3. Date or approximate date of earliest beneficial use; and how continu-
ous the use has been. Constant since
Oct. 1962

4. The amount of groundwater claimed (in miner's inches or gallons
per minute). 3.50 gallons 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
Francis A. or Della H. Ahern
11 acres Pasture, hay &
barren

6. The means of withdrawing such water from the ground and the loca-
tion of each well or other means of withdrawal
pumps

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater. dug pit & done casing during Sept of
1962

8. The depth of water table. 7 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater. 6 in casing driven 35 ft down
and blown

10. The estimated amount of groundwater withdrawn each year. 1,000,000 Gal

11. The log of formations encountered in the drilling of each well if available. 8 in Top Soil
rest small gravel and sand soil

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

Signature of Owner. Della H. Ahern

Date. Dec 31, 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.

1143

I received and filed this instrument for
record on the 27 day of May 1963
at 3:40 o'clock P. M., permanent files
of Missoula County, State of Montana.
Witness my hand:
By Marta J. Bell Deputy Recorder
Fees \$ 2.00 Paid

MISSOULA COUNTY
RECORDERS OFFICE
100 WEST 10TH AVENUE
MISSOULA, MONTANA 59801

File No. _____

T. 12^N R. 20^W 34

DUPLICATE

County MISSOULA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

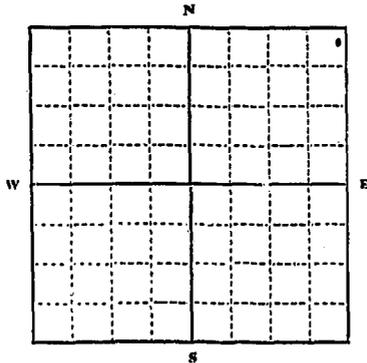
RECEIVED
DEC 26 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. GUYS MOBILE HOMES INC., of LOT#1 KUNEY SUBDIVISION #3
LOLO, MONTANA
(Name of Appropriator) (Address) (Town)
County of MISSOULA State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



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 DOMESTIC-IRRIGATION-STOCK & OTHERS

3. Date or approximate date of earliest beneficial use; and how continuous the use has been AUGUST 4, 1961 CONTINUOUS

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 MINER'S INCHES

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 3.05 ACRES THE ABOVE LOTS ONLY

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 5" CASING 50FT. DEEP, BY PUMP

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater AUGUST 1, 1961; AUGUST 4, 1961

8. The depth of water table UNKNOWN WELL IS 50FT. DEEP

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 5" CASING DRIVEN 50FT. DEEP

10. The estimated amount of groundwater withdrawn each year UNKNOWN

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

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 BOOK 000 PAGE 140 WELL WAS DRILLED BY LLOYD HANSON MISSOULA, MONTANA

GUYS MOBILE HOMES INC.
Signature of Owner by [Signature] Pres
Date DECEMBER 23, 1963

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

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

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

516

214767

I received and filed this instrument for
record on the 23 day of Dec. 1963
at 3:44 o'clock P.M. permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. DEHNER, County Recorder
By Ethel Lane Deputy
Fee \$ 2.00 Paid

294091

32

I received and filed this instrument in record on the 20 day of Aug 19 70 at 11:30 o'clock A.M. per person in charge of Missouri County, State of Missouri

Witness my hand

Veranda R. Curtis County Recorder

By *Walter G. Cunningham*

Fee \$2.⁰⁰ cash Paid

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 20 to 30 percent of the tested capacity of the aquifer. If wells are to be pumped at rates in excess of 20 to 25 gallons per minute in this type of formation they must have well screens installed to stabilize the sand and gravel.

34

File No. _____

T. 12 N. 20 W.

DUPLICATE

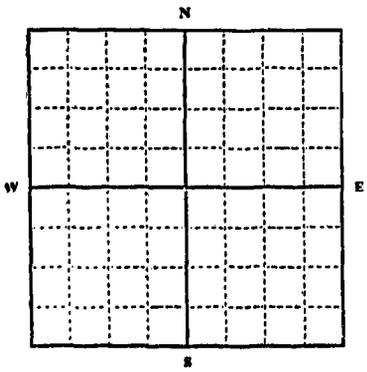
County _____

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. Dorothy E McKinstry, of Lolo
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NE 1/4 Sec. 34, T. 12 N. 20 W.

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

- 2. The beneficial use on which the claim is based. Household
else some irrigation
- 3. Date or approximate date of earliest beneficial use; and how continu-
ous the use has been. 1954 - everyday
use
- 4. The amount of groundwater claimed (in miner's inches or gallons
per minute). 500 gals per day
- 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
7 acres, lawn, garden
and orchard
Dorothy E McKinstry
- 6. The means of withdrawing such water from the ground and the loca-
tion of each well or other means of withdrawal. One inside
for household use, one outside for
irrigation with electric pump
- 7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater. Not known
- 8. The depth of water table. not known
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater.
2.8 ft drilled well - household
15 ft drilled well - irrigation
- 10. The estimated amount of groundwater withdrawn each year. 182,000 gals
- 11. The log of formations encountered in the drilling of each well if available. not available
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record. none

Signature of Owner Dorothy E McKinstry

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. 152 75

704

215 110

Case
I received and filed this instrument for
record on the 20 day of Dec 1962
at 11:25 o'clock A.M., permanent time
of Missoula County, State of Montana
Witness my hand:
MARTIN E. BEHNER, County Recorder
By Martin E. Behner Deputy
Fee 5.00 Paid

34

File No.

T. 12 N. 20 W

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

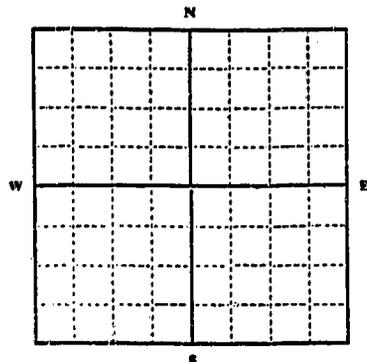
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Dorothy C. McKinstry, of Lolo
(Name of Appropriator) (Address) (Town)

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



S.E. 1/4 NE 1/4 Sec 34 T. 12 N. R. 20 W. West

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Since 1956 - used 4 months of the year

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 3,000 gals per hr

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. 2 wells, one inside for household use, one outside for irrigation with electric pumps

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. not known

8. The depth of water table. not known

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 26 ft drilled well - household 15 ft drilled well - irrigation

10. The estimated amount of groundwater withdrawn each year. 4,360,000 gals per day for 4 mos.

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. none

Signature of Owner Dorothy C. McKinstry

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.

703

215 109

Copy
I received and filed this instrument for
record on the 3rd day of Dec 1963
at 11:25 o'clock A.M. permanent files
of Missouri County, State of Montana
Witness my hand.
MARTIN E. BEHNER, County Recorder
By [Signature] Deputy
Fee 2.50 Paid

County Missoula

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 Dave Mondenball

Address 1010

Lolo, Montana,

Date well started 10/27/70

completed 10/28/70

Type of well drilled

(Dug, driven, bored or drilled)

Equipment used cable tool

(Cable drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation

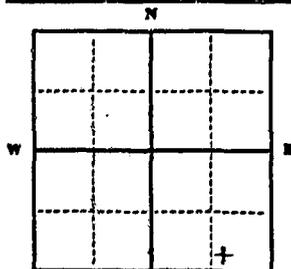
Industrial Drainage Other Garden/Lawn

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind	From (Foot)	To (Foot)
6 inch	5 in. S.D.	0	66			



SE 1/4 Sec 34
T. 12 N. R. 20 E.
S (W)

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

Driller's Signature Harold X. Pickens

Driller's Address 3024 So. Ave. Missoula, Montana

LICENSE NO. 71

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) <u>3,822</u>
From (Foot)	To (Foot)	
0	3	top soil
3	14	gravel & sand
14	38	gravel sand & water
38	40	red clay no water
40	60	sand small gravel & water
60	66	gravel & water

66 ft. Show exact depth of bottom

2551

334187

I received and filed this instrument for record on the 25 day of June 1973 at 11:45 o'clock P.M. permanent #806 of Missoula County, State of Montana
 Witness my hand:
Dorothy L. Head, County Recorder
By W. J. Cunningham Deputy
 Fee \$ 2.00 Paid Cash

RECORDED
 INDEXED
 MISSOULA COUNTY, MONTANA
 JUNE 25 1973

RECORDED
 INDEXED
 MISSOULA COUNTY, MONTANA
 JUNE 25 1973

File No.

MONTANA WATER RESOURCES BOARD

T12N R. 20W Sec 34

DUPLICATE

RECEIVED

County Missoula

LOG

FEB 11 1968

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground Approx. (Elev. above sea level 3187')

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

(Under Chapter 237, Montana Session Laws, 1961)

Formations Log:

- 0 - 18 Sand & gravel mixed in clay.
18 - 34 Fine tan sand & gravel.
34 - 44 Fine silty brown sand.
44 - 66 Silty sand & gravel.
66 - 70 Clean coarse sand & gravel. Water.

Owner Sid M. Ries & Virginia B. Ries Address Lola, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 11/1/68 Date completed 11/5/68

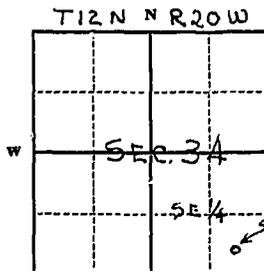
Type of well Drilled Equipment used Cable Tools

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

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc.

Water rises in the well 20 feet from surface.

Table with columns: Size of Drilled Hole, Size and Weight of Casing, From (Feet), To (Feet), PERFORATIONS (Kind Size, From (Feet), To (Feet)).



Static Water Level for non-flowing well 20 feet. Shut-in Pressure for Flowing Well Non-f. Pumping Water Level 42 feet at 50 gal. per minute. Discharge in gal. per min. of flowing well Non-flowing. How Tested Air Lift Pump. Length of Test 3 1/2 hours.

Lot #3, Van Ostrand Sub-division 1/4 Sec. 34 T12N R. 20W

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

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through the open bottom of six 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 75 percent of the tested capacity of the aquifer.

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. 2 acres

Show exact depth of bottom.

Bottom of hole 70'

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 E. Colburn Driller's Signature

44,982

2028

293848

I received and filed this instrument for
record, on the 12th day of Aug, 1920
at 11 o'clock A.M., permanent files
of Missoula County, State of Montana
Witness my hand:
Vernice R. Crouse, County Recorder
By W. Stone, Deputy
Fee \$ 2.50 Paid

State of Montana
Missoula County
Recorder's Office
2020

34

File No.

T. 12 R. 20

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. I, John W. Shively, of Bozeman,
(Name of Appropriator) (Address) (Town)

County of Missoula, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is Household, stock gardens & lawn
(describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed.....

300,000 gal. per year

4. The annual period (inclusive dates) of intended use.....

Jan 1 - Dec 31 every day

5. The probable or intended date of first beneficial use.....

6. The probable or intended date of commencement and completion of the well* or wells*.....

7. The location, type, size and depth of well or wells contemplated.....

8. The probable or estimated depth of the water table or artesian aquifer.....

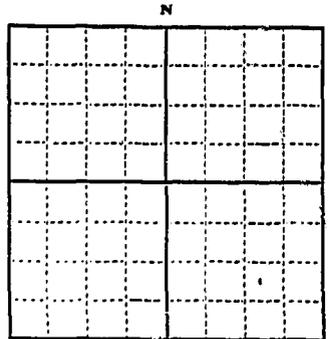
unknown

9. Name, address and license number of the driller engaged.....

Liberty Drilling Co. Bozeman, Mont.

10. Give such other similar information as may be useful

in carrying out the policy of this act.....



1/4 Sec. 34, T. 12, R. 20

Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator.....

Date.....

* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn."

Three copies of this notice are to be filed with 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.

20385

1266

Copy
8-16-63
1963
Permanent files
Montana
County Recorder
Deputy
Paid

RECEIVED

County Missoula

34

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

APR 13 1973

DRILLER'S LOG

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 Theodore Thompson

Address 7016, Montana

Date well started Oct. 25, 1972

completed Oct. 26, 1972

Type of well Drilled

Equipment used Churn drill

Water Use: Domestic Municipal Stock Irrigation

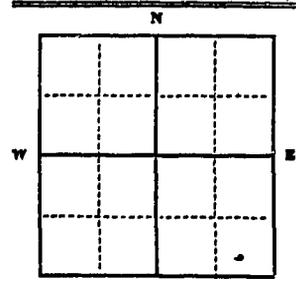
Industrial Drainage Other * Garden/Lawn

*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 3,000,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" 17#	1 up	60	---	---	---



S. 1/2 & S.E. 1/4 Sec. 34
T. 13 N. R. 20 W.

Static water level 21 ft.*
Pumping water level 30 ft.*
at 75 gallons per minute,
measured 60 minutes after pumping
began.

*Measured from ground level.
Well developed by Compressor
for 2 hours.
Power --- Pump --- HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	24	Sand, gravel and clay
21	21	Static water level
24	31	Clay
31	52	Sand, gravel, clay and water
52	55	Clay and gravel
55	60	Sand, gravel and water

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

Driller's Signature Charles Skelton

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

Missoula, Montana LICENSE NO. 185

60' Show exact depth of bottom

52,941

0456

330597

I received and filed this instrument for
 record on the 13 day of April 1973
 at 1:30 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Dorothy L. Head, County Recorder
 By W. M. Stone, Deputy
 Fee \$ 2.00 Paid cash

C

Noted for recording

Noted for recording

Storage not, etc.

MISSOULA COUNTY

File No. _____

T. 12 N 20 W 34

DUPLICATE

County _____

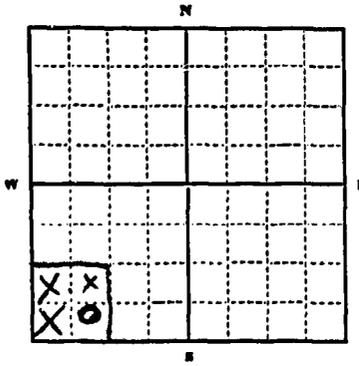
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 3 1963
STATE ENGINEER

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

John L. Vann & Paula M. Vann, of Solo
(Name of Appropriator) (Address) (Town)

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



S.W. 1/4 Sec. 34 T. 12. R. 20

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

2. The beneficial use on which the claim is based Household and stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 30, 1954 - approx. continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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 by hand electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater August 25-27 approximately 1954

8. The depth of water table 28 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 6" casing - 37 ft deep

10. The estimated amount of groundwater withdrawn each year about 15.0 gal per day

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

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

Signature of Owner John L. Vann
Date Dec 21, 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.

1009

2154.83

I received and filed this instrument for
record on the 31 day of Dec. 1963
at 2:00 o'clock P.M. permanent files
of Missoula County, State of Montana
Witness my hand
MARTIN S. HUNTER, County Recorder
By Martin S. Hunter Deputy
Fee \$ 2.50 Paid

File No. _____

T. 12N R. 20W 35

DUPLICATE

County Missoula

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)

Albert C. or

Owner IRMA M. BAILLY Address LOLE, MONTANA

Driller LIBERTY DRILLING CO. Address MISSOULA, MONTANA

Date of Notice of appropriation of groundwater None filed

Date well started Oct. 14, 1968 Date completed Oct. 31, 1968

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

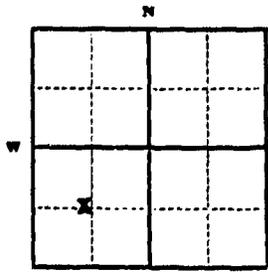
Top of Ground Approx.
(Elev. above sea level: 5182')

Formations Log:

- 0 - 3 Topsoil.
- 3 - 16 Cobblestones & gravel mixed.
- 16 - 61 Fine silty sand and gravel.
- 61 - 75 Silty sand & gravel imbedded in clay.
- 75 - 91 Coarse sand & gravel. Water.
- 91 - 96 Cobblestones & boulders. Water.
- 96 - 104 Tan clay with gravel mixed in strata

Water rises in the well 14 feet from surface.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PREPARATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	8 5/8" OD x 1/4"	+186'	75	Alloy shutter Type Water well screen	75	95
	A 6 5/8 OD tailpipe with solidly closed bottom					104



Static Water Level for non-flowing well 14 feet.

Shut-in Pressure for Flowing Well non-f.
Pumping Water Level 42 feet

at +150 gal. per minute.

Discharge in gal. per min. of flowing well

Non-Flowing

How Tested Air Lift Pump

Length of Test 24 hours

Remarks: (Gravel packing, cementing, pack-

ers, type of shutoff) All water entering well through slots in screen; wells in this area can be depended upon to produce clear sand free water year after year as long as well is not overpumped, i.e., they should be pumped at rates not in excess of 60 to 75 percent of the tested capacity of the aquifer. (Continue on reverse side)

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

Approx. 5 1/2 acres.

Also used on part of 5E4, NE4 & NE4, Sec 34, T12N, R20W

Show exact depth of bottom.
Bottom of well 104'

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, three copy to be retained by driller.

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

Driller's License Number

William D. Adams
Driller's Signature

45,289

K-32

File No.

APR 14 1966

T. 12N R. 20W

DUPLICATE

Bille..... McDermott..... County Missoula
Butzer..... McNulty.....
Coyle..... Merton..... STATE OF MONTANA
Darlington..... S. ADMINISTRATOR OF GROUNDWATER CODE
Dickert..... OFFICE OF STATE ENGINEER

LOG

Top of Ground Approx.
(Elev. above sea level 3187')

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Ruth D. &/or

Owner Vernon L. Beattie Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 1/18/66 Date completed 1/19/66

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

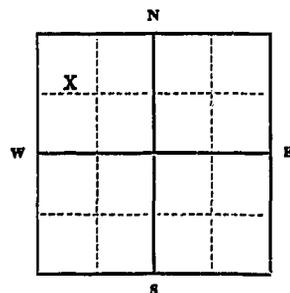
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Formations Log

- 0 - 3 Top soil
 - 3 - 28 Gravel imbedded in tan clay
 - 28 - 36 Yellow sand
 - 36 - 57 Sand & gravel
 - 57 - 65 Fine sand & gravel
 - 65 - 68 Clean coarse sand & gravel.
- Water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8 OD x 1/4 inch	+1'8"	68	NONE		

Water rises in well 36 feet from surface



Static Water Level for non-flowing well 36 feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level..... 45 feet at..... 50 gal. per minute.

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

How Tested..... Air Lift Pump

Length of Test..... Two hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through the open bottom of six inch casing.

(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).

1/3 acre Lot 3, Block 1, Hughes Addition

Show exact depth of bottom.

Bottom of hole 68'

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. Adams
Driller's Signature

1594

249121

I received and filed this instrument for record on the 12 day of April, 1916, at 10.50 o'clock A.M., permanent files of Missoula County, State of Montana.

Witness my hand:
 Veramac R. C. Case, County Recorder
 By M. M. Conroy, Deputy
 Fee \$2.00 Paid

RECORDED

MISSOULA COUNTY RECORDER

RECORDED TO THE RECORD TO BE KEPT

MISSOULA COUNTY RECORDER
 MISSOULA, MONTANA

File No. _____

APR 14 1966

T. 12N. R. 20W

DUPLICATE

Bill: _____ McDermott _____ County: Missoula
Eut: _____ McNulty _____
Coy: _____ **STATE OF MONTANA**
Darlin: _____ **ADMINISTRATOR OF GROUNDWATER CODE**
Dickert: _____ **OFFICE OF STATE ENGINEER**

LOG

Top of Ground Approx. 3187'
(Elev. above sea level)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Formations Log:

- 0 - 2 Top soil.
- 2 - 12 Boulder & gravel.
- 12 - 28 Sand & gravel imbedded in tan clay.
- 28 - 37 Gravel imbedded in yellow clay.
- 37 - 48 Tan sand and gravel.
- 48 - 54 Fine tan sand.
- 54 - 57 Sand and gravel.
- 57 - 64 Fine sand and gravel. Water
- 64 - 67 Clean coarse sand and gravel. Water.

Owner: Vernon L. Beattie Address: Missoula, Montana

Driller: Liberty Drilling Co. Address: Missoula, Montana

Date of Notice of appropriation of groundwater: None filed

Date well started: 3/19/66 Date completed: 3/22/66

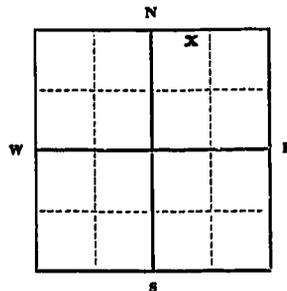
Type of well: Drilled Equipment used: Cable Tools
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8 inch OD x 1/4"	+6"	67'	NONE		

Water rises in well to 35 feet from surface



Static Water Level for non-flowing well 35 feet.

Shut-in Pressure for Flowing Well Non-f

Pumping Water Level..... 40 feet

at..... 60 gal. per minute.

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

How Tested..... Air Lift Pump

Length of Test..... Two hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through open bottom of six inch casing.

NE Corner N/2NW/4 Sec. 35 T12. 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).

..... Lawn 1/3 acre, Lot 12, Block 1, Hughes Addn.

Show exact depth of bottom.

Bottom of hole 67'

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

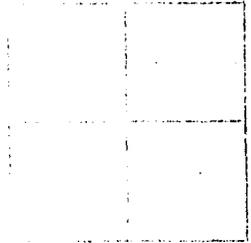
William F. Osburn
Driller's Signature

40970

1592

249119

I received and filed this Instrument for
 record on the 12 day of April 1966
 at 12:35 o'clock P.M., permanent filer
 of Missoula County, State of Montana
 Witness my hand:
 Veranda R. Crouse, County Recorder.
 By M. M. Crouse Deputy
 Fee \$2.00 (Paid)



Missoula County, Montana
 Recorder's Office
 Missoula, Montana

File No. _____

T. 12 N. R. 20 W

DUPLICATE

County Missoula

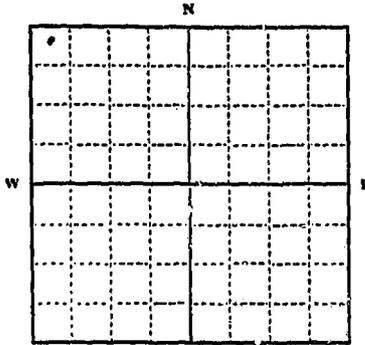
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

R
JAN 3 1962

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

1. G.S. or Violet M. Cowan, of Box 92 Tola
(Name of Appropriator) (Address) (Town)

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



NW 1/4 Sec. 35 T. 12 N. R. 20 W

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

2. The beneficial use on which the claim is based
house and garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
approximately 1915
Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
approximately 2 inches

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
Not used as such

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Electrical Water system

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
approximately 1915 other improvements since

8. The depth of water table
approximately 20 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
originally a dug well later cased with 6 inch casing. 60 feet

10. The estimated amount of groundwater withdrawn each year
approximately 3000000 Gal

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 references to book and page of any county record
no other records known

Signature of Owner G.S. or Violet M. Cowan

Date Dec 30, 1962

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

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

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

697

215103

Copy
I received ~~and filed~~ this instrument for
record on the 30 day of Dec 1968
at 10:15 clock A.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By _____ Deputy
Fee \$ _____ Paid

File No. _____

T. 12N R. 20W

DUPLICATE

County Missoula

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 Dorothy V. &/or

James C. Danuser Address LoLo, Montana

Driller Liberty Drilling Company, Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 11/18/65 Date completed 11/19/65

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

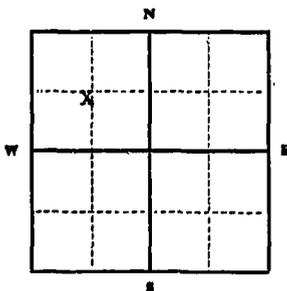
Top of Ground Approx.
(Elev. above sea level 3187')

Formations Log:

- 0 - 2 Black dirt.
- 2 - 15 Sand and gravel mixed in tan clay.
- 15 - 35 Gravel imbedded in tan clay.
- 35 - 55 Fine sand and some scattered gravels.
- 55 - 63 Tan sand and gravel. Water
- 63 - 65 Clean coarse sand and gravel. Water

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind Size	From (Foot)	To (Foot)
6"	6 5/8" OD x 1/4"	+148"	65'	NONE		

Water rises in well 34 feet from surface



Static Water Level for non-flowing well 34 feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level 45 feet at 40 gal. per minute.

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

How Tested Air Lift Pump

Length of Test Two hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through the open bottom of six inch casing.

NW 1/4 Sec. 35 T. 12N. 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).

Law

Show exact depth of bottom.

Bottom of hole 65'

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.

Driller's License Number 52

William T. Osborne
Driller's Signature

40923

157

248370

I received and filed this Instrument for record on the 22 day of March 1966 at 11:30 o'clock A. M. in Montana files of Missoula County, State of Montana

Witness my hand:
 Verance B. Coate, County Recorder
 By M. M. [Signature] Deputy
 Fee \$2.00 Paid

McDermott _____
 McNulty _____
 Morton _____
 Sullivan _____
 Butzer _____
 Coyle _____
 Darshun _____
 Dickert _____

STATE WATER CONSERVATION BOARD
 MAR 25 1966

35

File No. _____

T. 12 N. R. 20 W.

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

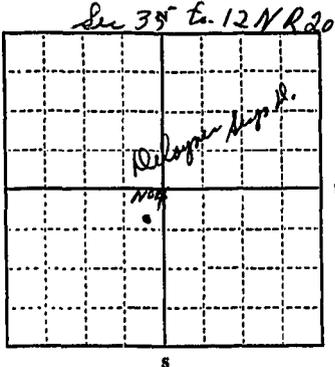
RECEIVED
JAN 3 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. A. A. Dishman, of Bozdo Lolo
(Name of Appropriator) (Address) (Town)
County of Missoula 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 Home
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been May 1953
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 Gpd 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 40 x 60' lawn around house
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Deep Well Pump

1/4 Sec. T. R.

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

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Unknown - I bought 1953
- 8. The depth of water table 50'
- 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 55 feet 4" casing
- 10. The estimated amount of groundwater withdrawn each year 18000 Gpd
- 11. The log of formations encountered in the drilling of each well if available Unknown
- 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

Signature of Owner A. A. Dishman
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.

20221

○
1101

I received of _____
the sum of \$31.00 on Dec 63
at _____
Missouri County, State of Missouri
By Mat S. [Signature] Recorder
Fee \$ 20.00 Paid _____ Deputy

○

35

File No. _____

T. 12 R. 20W

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964

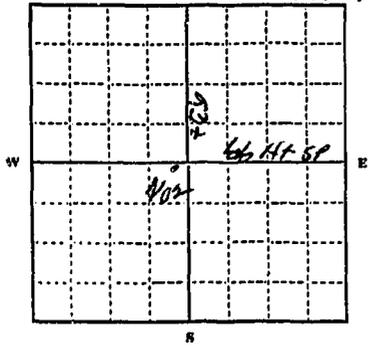
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. A. A. Dishman, of Lebo
(Name of Appropriator) (Address) (Town)

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

N 35T12NR20W



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 Beer

3. Date or approximate date of earliest beneficial use; and how continuous the use has been May 1953
In use ever since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2.0 Gal per m

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof no

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

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

8. The depth of water table 50'

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 50 feet, 4" casing

10. The estimated amount of groundwater withdrawn each year 18,000 gal

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

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 unknown

Signature of Owner A. A. Dishman

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.

20243

Q 23

I received and filed this instrument for
recording of the 21st of Dec. 1968
at 5:14 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
By Marta S. Peterson County Recorder
Fees \$ 2.00 Paid Deputy

35

File No. _____

T. 12^N R. 20^W

DUPLICATE

County _____

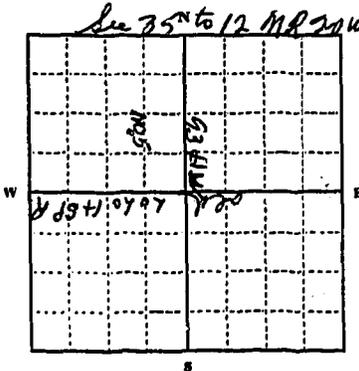
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Hughes & Dishman of Lolo
(Name of Appropriator) (Address) (Town)
County of Missoula State of Mont
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 Trailer Ct.

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 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
No Irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Pump in house 6" casing
Pump in wash house

1/4 Sec. T. R.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started Jan 1, 1960 finished June 2, 1960

8. The depth of water table 54'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 1 house Pump 6" casing

10. The estimated amount of groundwater withdrawn each year 140,000 Gal

11. The log of formations encountered in the drilling of each well if available yes with A.A. Dishman
2' top soil
2-5' Clay & gravel
54 to 61' Gravel & water

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including references to book and page of any county record None needed

Signature of Owner A.A. Dishman

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.

20249

1129

I received and filed this instrument for
record on the 21 day of Dec 1907
at 5:26 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
By *Wm. J. Hall* Recorder
Paid *2.00*

File No. _____

MONTANA WATER RESOURCES BOARD

T. 12N R. 20W 35

DUPLICATE

RECEIVED

County Missoula

LOG

OCT 20 1967

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Top of Ground Approx.
(Elev. above sea level 3187')

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Ora L. &

Owner Mildred M. Dishman Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 10/11/67 Date completed 10/11/67

Formations Log:

- 0 - 6 Pit.
- 6 - 26 Coarse clayey gravel.
- 26 - 37 Fine sand and gravel. Some water.
- 37 - 44 Coarse sand and gravel mixed with tan silty clay.
- 44 - 68 Fine white sand. Some water.
- 68 - 73 Fine sand and gravel. Some water.
- 73 - 81 Coarse sand and gravel. Water.

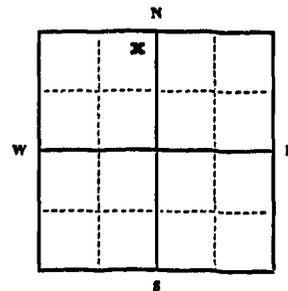
Type of well Driven Equipment used Well driving rig
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x 1/4"	-4'6"	81	Torch Cut	77	80

Water rises in the well 29'10" from surface.



Static Water Level for non-flowing well 29'10" feet.

Shut-in Pressure for Flowing Well None.

Pumping Water Level 40 feet at 60 gal. per minute.

Discharge in gal. per min. of flowing well None-flowing

How Tested Air Lift Pump

Length of Test Three hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) The bottom three feet of casing is perforated and all water entering the well is coming through these perforations. Wells in this

NE 1/4 NW Sec. 35 T. 12N R. 20W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

area can be depended upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they (Continue on reverse side)

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

Approx. 34 acres

Show exact depth of bottom.
Bottom of hole 81'

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.

264957

received and filed this instrument for record on the 23rd day of Oct. 1967 at 1:15 o'clock P.M., permanent files of Missoula County, State of Montana
Witness my hand:
Verama R. Crouse, County Recorder
By *M. M. Conroy* Deputy
Fee \$2.00 *Bald*

should be pumped at rates less than 25 to 50 percent of the tested capacity of the aquifer.

copy of this instrument is being filed in the permanent files of Missoula County, State of Montana
Missoula, Montana
October 23, 1967
Verama R. Crouse, County Recorder
By *M. M. Conroy* Deputy

35

File No. _____

T. 12^N R. 2^W

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

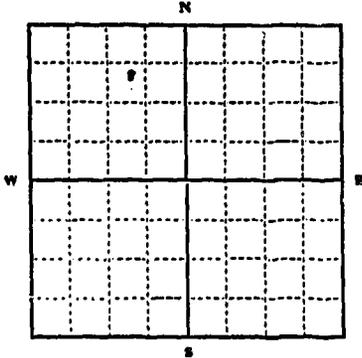
RECEIVED
JAN 3 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ray Gordon Donna K Eaves, of Box 66 Lolo
(Name of Appropriator) (Address) (Town)

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



NE 1/4 14th Sec 25 T. 12 N. R. 2 W.

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

2. The beneficial use on which the claim is based. House Hold
Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. NOT KNOWN

4. The amount of groundwater claimed (in miner's inches or gallons per minute). NOT KNOWN

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.
NE 1/4 14th Sec 25 T. 12 N. R. 2 W.
Ray Gordon Donna K Eaves

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. NOT KNOWN

8. The depth of water table. 30'

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. 4" size depth 25'

10. The estimated amount of groundwater withdrawn each year. 250,000 gal

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. NOT KNOWN

Signature of Owner [Signature]

Date 12-31-63

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.

20367

1248

Copy
I received and filed this instrument by
recording it on the 10th day of Dec 19 63
at _____ of Missouri County
Witness my hand and seal this _____ day of _____
By Martina Schick County Recorder
Fee \$ 2.00 Paid

35

File No. _____

T. 12^N R. 20^W

DUPLICATE

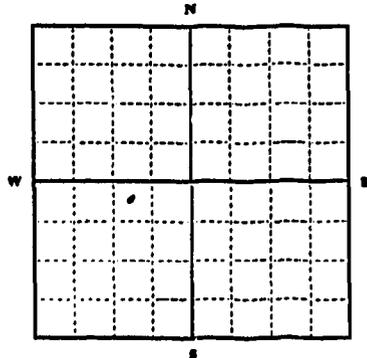
County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963
STATE ENGINEER

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

RAY G. O'DONNAN K. FAYES, of Box 66 Lolo
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 35 T12N R. 20W

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

- The beneficial use on which the claim is based. Household and irrigation
- Date or approximate date of earliest beneficial use; and how continuous the use has been. 1954 steady since the well was drilled
- The amount of groundwater claimed (in miner's inches or gallons per minute). Not known
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. 2 1/2 acres, garden, lawn, fruit trees, shade trees & hay land
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump next to house
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Liberty Milling Company
- The depth of water table. 15'
- 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. 4" 5.3" 61' depth
- The estimated amount of groundwater withdrawn each year. 300,000 gal.
- The log of formations encountered in the drilling of each well if available. Not known
- 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. 1954 record in Book 228 page 323

Signature of Owner Ray G. O'Donnan
Date Dec 21, 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.

20368

7249

Copy
I received and filed this instrument for
recording on the 21st day of Dec. 1963
at 11:30 A.M. in permanent files
of Missoula County, State of Montana
Witness my hand: County Recorder
By *[Signature]* *[Signature]* Deputy
Paid

File No. _____

RECEIVED

T. 12 N. R. 20 W. 32

DUPLICATE

OCT 1 1968

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 3300.5)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Ada Ferguson Address Lolo, Montana

Driller _____ Address _____

Date of Notice of appropriation of groundwater April 2, 1968

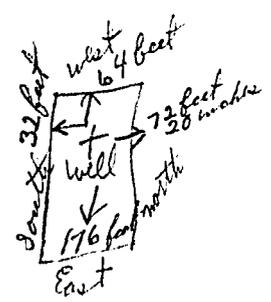
Date well started April 1, 1968 Date completed April 3, 1968

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

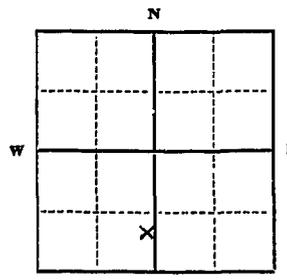
Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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)
4"	4"	Property 6' 8"	6' 8"	slots 3 1/2" wide by 3" long every 6 inches		



South 1/2 lot 5 or
South 100 feet Larson
Lolo Tracts



Static Water Level for non-flowing well 55 feet.

Shut-in Pressure for Flowing Well 50 feet.

Pumping Water Level 30 feet at 300 gal. per minute.

Discharge in gal. per min. of flowing well 10

How Tested Pumps

Length of Test 3 days

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

S. 1/4 Sec. 35 T. 12 N. R. 20 W.
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).

60 feet
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.

Driller's License Number _____

Ada Ferguson
Driller's Signature

44,615

1823

274940

I received and filed this instrument for
 record on the 25 day of Sept. 1968
 at 2:00 o'clock P.M. permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Vermae B. Crouse, County Recorder
 By M. M. Pennington, Deputy
 Fee \$ 2.00 1 Paid cash

Approved in and for office of
 of _____

35

File No. _____

T 12-N R 20

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

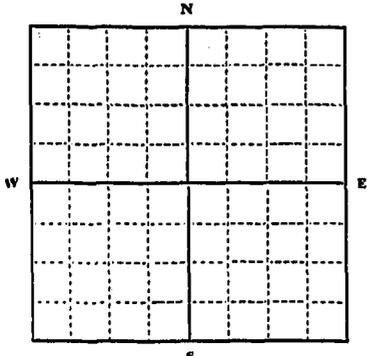
RECEIVED
JAN 3 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Willmet Hunt, of Box 157 Lo Lo
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec 35 T.20N. R.20E

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Nov 25, 1959 for house & lawn and gardens

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Nov 6, 1959, to Nov 10, 1959

8. The depth of water table 30 feet from ground level

9. So far as it may be available, the type, size, and depth of each well or the general specifications of any other works for the withdrawal of groundwater 5" standard diameter 19 ft to the ft & the well is 62 ft deep from ground level

10. The estimated amount of groundwater withdrawn each year 136,800 Gal.

11. The log of formations encountered in the drilling of each well if available
0-5 ft. silt, 1-5 ft. boulders & gravel 16-20 ft clay & gravel 18-25 boulders & gravel 25-30 ft clay & gravel 30-60 ft granite sand clay 48-60 ft sand & gravel & water

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 Willmet Hunt
Date 1/2/64

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.

20459

1348

215897

I received and filed this instrument for
record on the 2 day of Jan 1967
at 1:42 o'clock P.M. Precinct 111.4
of Missoula County, State of Montana
Witness my hand:
MARTIN S. EFFNER, County Recorder
By Ethel Lane Deputy
Fee \$ 2.00 Paid

T. _____ R. _____
County _____ 35

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

RECEIVED
JAN 3 1960

Owner W. Harty Address State Dept
Driller Glen Camp Address 705 Alder
Date Started Nov 6, 1959 Date Completed Nov 10, 1959
Location: Sec. 95 T. 12 N. R. 20 W. sec. NW 1/4 NW 1/4

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other: _____

Casing: 6' below ground level 56' ft. Type Standard Size 5" - 14 lb. pipe

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

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

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

Type of screen or perforations _____

Static Water level, for non-flowing well: 30' from ground level feet.

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

Pumping water level: 30 feet at 20 gal. per min.

How tested: Bailer

Length of test: 2 hours

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

(over)

File No. _____

STATE WATER CONSERVATION BOARD

T 12N R 20W

DUPLICATE

APR 25 1967

County Missoula

LOG

McDermott STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level 3167)

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

(Under Chapter 237, Montana Session Laws, 1961)

Formations Log:

- 0 - 7 1/2 Well pit.
- 7 1/2 - 22 Old dug well.
- 22 - 31 Tan gravel and sand.
- 31 - 35 Brown sand.
- 35 - 58 Fine silty sand & gravel. Water.
- 58 - 60 Fine sand & gravel. Water.
- 60 - 63 Clean coarse sand & gravel. Water.

Owner Clara M. & Fred E. Kester Address Lolo, Montana

Driller Liberty Drilling Co. Address 2500 Reserve St.

Date of Notice of appropriation of groundwater None filed

Date well started 3/11/67 Date completed 3/14/67

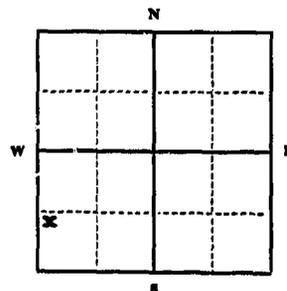
Type of well Drilled Equipment used Cable Tools
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x 1/2"	-7 1/2	63	NONE		

Water rises in the well 22 feet from surface.



Static Water Level for non-flowing well 22 feet.

Shut-in Pressure for Flowing Well Non-f

Pumping Water Level 31 feet at 120 gal. per minute.

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

How Tested Air Lift Pump

Length of Test Two hrs

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through the open bottom of six inch casing

W 1/4 SW Sec. 35 T 12N R. 20W

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

Wells with open bottom completions 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... (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).

Five Acres

Show exact depth of bottom.
Bottom of hole

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 P. Osborne
Driller's Signature.

41,939

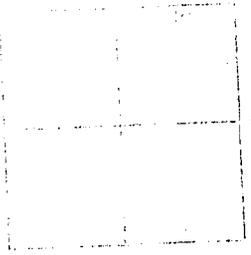
RECORDED

1696

259953

I received and filed this Instrument for
 record on the 21 day of April 1969
 at 10 o'clock A.M. permanent files
 of Missoula County, State of Montana
 Witness my hand:
Vermae R. George County Recorder
 By Christa A. Runnberg Deputy
 Fee \$ 2.00 Paid cash

rates less than 25 to 50 percent of the tested capacity of the aquifer.



MISSOULA COUNTY RECORDER
 VERMAE R. GEORGE
 CHRISTA A. RUNNBERG
 DEPUTY RECORDER

D

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

DRILLER'S LOG

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 Fred E. and Clara M. Kester

Address Lolo, Montana

Date well started 5/13/70

completed 5/13/70

Type of well Driven

Equipment used Air Rotary

Water Use: Domestic Municipal Stock Irrigation

Industrial Drainage Other Garden/Lawn

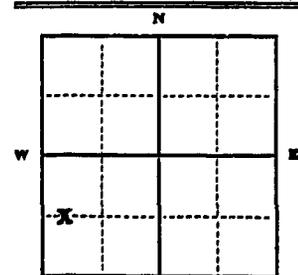
*Describe

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) Approximately 20 acres, Rulon McArthur location, Lolo, Mont.

ESTIMATED ANNUAL WITHDRAWAL Unknown

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
6"	6 5/8" OD x 1/4"	2'4"	58'	Torch out	52'	55'



SW 1/4 Sec. 35
T. 12 N. R. 20 E.

Static water level 12 ft.*
Pumping water level 30 ft.*
at 70 gallons per minute,
measured 5 1/2 minutes after pumping
began.

*Measured from ground level.
Well developed by Air Lift
for 3 1/2 hours. Pump
Power 230 V. Pump 1/3 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) All
water entering well is
coming through perfor-
ations in six inch
casing. Wells in this
cont.

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

Driller's Signature W. D. ...
Driller's Address 2500 Reserve Street

Missoula, Montana 59801 LICENSE NO. 52

Top of Ground (Elev. above sea level)		Appr. 3187'
From (Feet)	To (Feet)	
0	3	Topsoil.
3	9	Cobblestones and gravel mixed.
9	16	Fine silty sand and gravel.
16	23	Sand and gravel imbedded in clay.
23	27	Tan gravel and sand.
27	30	Gravel tightly compacted in sand.
30	49	Fine silty sand and gravel.
49	52	Fine sand and gravel.
52	58	Clean coarse sand and gravel. Water.

58' Show exact depth of bottom
Water rises in well 12 feet to surface.

46643

2010

29263F

I received and filed this instrument for
 record on the 1st day of July 1970
 at 1:18 o'clock P.M. pursuant to the
 of Missoula County, State of Montana
 Witness my hand:
 Patricia A. Cross, County Recorder
 By Dorilla A. Ryan, Deputy
 Fee \$2.00 Cash Paid

area can be depended upon to produce clear sand free water year after
 year as long as they are not overpumped. I.e. they should be pumped
 at rates not in excess of 50 to 60 percent of the tested capacity of
 the aquifer.

File No. Duplicate
QUADRUPPLICATE

T. 2^N R. 2^W
County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)



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

Owner Frank E. Nestor Address 1211 1/2

Driller Bob Johnson Address 1211 1/2

Date of Notice of Appropriation of Groundwater June

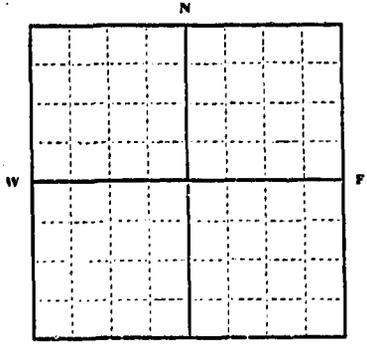
Date well started June 22 Date Completed June 25

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind Size	From (Foot)	To (Foot)
6"	6"					



1/4 Sec. 23 - T. 2 N. R. 2 W.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 30 feet.

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

Pumping Water Level 25 feet at 1 gal. per minute.

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

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

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

Bob Johnson
Driller's License Number

Driller's Signature

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

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

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

20145