

148128

STATE OF MONTANA
COUNTY OF LEWIS & CLARK } SS

I hereby certify that the within in-
strument was filed in my office on
this 19th day of Sept
A.D. 1963 at 45 min. past
8 o'clock AM.

Records of Lewis & Clark
County, State of Montana.

Allen Louish
County Recorder
By James E. Russell
Deputy
2:00

1963
Sept 19
4:55
AM
J

218005

Indexed
Recorded
Compared

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

I hereby certify that the within in-
strument was filed in my office on
the 14 day of June
A. D. 1919 at 10 min. past
7 o'clock P.M.

Records of Lewis & Clark
County, State of Montana

[Signature]
County Clerk

2.00

File No.

DUPLICATE

T. 107 R. 4 W
County Lewis & Clark
RECEIVED
SEP 9 1963

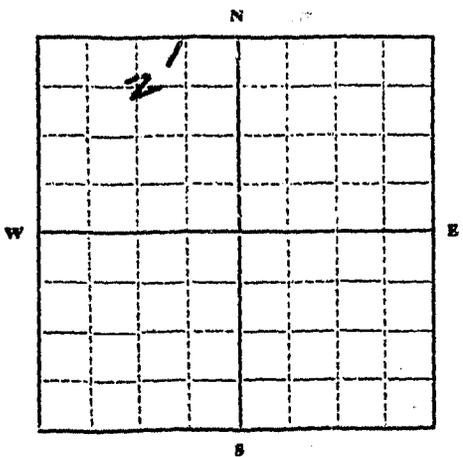
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. George & Sarah E. Black, of Central Park Helena
(Name of Appropriator) (Address) (Town)
County of Lewis & Clark State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.E. 1/4 Sec. 23, T. 107 N. R. 4 W

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 domestic household use - yard & garden, sprinkling #2 irrigation of farm land
- Date or approximate date of earliest beneficial use; and how continuous the use has been. January 1940
continuous use
#2 same as above
- The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute
#2 - 100 gallons per minute
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
well no 2 - 3.75 acres hay land
George & Sarah E. Black
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
pump
#2 - pump
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. January 1940
#2 same as above
- The depth of water table. 8 ft #2 same
- 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. Aug. well - 2 ft diameter concrete pipe lining - 16 ft deep
#2 dug well 15 ft timber casing - 14 ft deep
- The estimated amount of groundwater withdrawn each year. household use 12 months - yard & garden 3 months - 20 gallons a minute
#2 used 4 months a year - 100 gallons a minute
- The log of formations encountered in the drilling of each well if available. same as above
#2 same as above
- 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 George Black
Sarah E. Black
Date August 30 - 1963

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

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

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

5757

147571

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

I hereby certify that the within instrument was filed in my office on this 3rd day of Sept A.D. 1963 at 46 min past 9 o'clock a.m. and recorded on page _____ of Book _____ of _____ Records in Lewis and Clark County, State of Montana.

Indexed
Filed
Registered

John Lovick
County Recorder
By Louise C. Russell
Deputy

2:00

REGISTERED
CIVIL ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Francis + Mary Poplawski
Address 1206 1/2 St
Date well started Nov. 20, 1970
completed Dec. 10, 1970

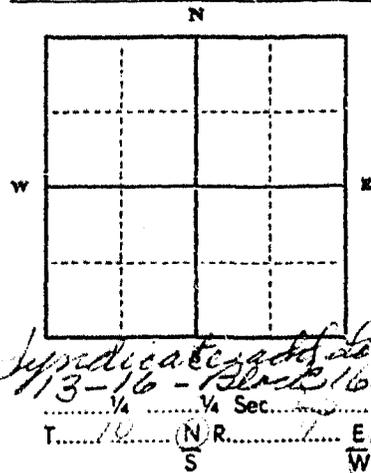
For Administrator's Use
File <u>2145-30</u>
<u>December 22, 1970</u>
<u>9:40 A.M.</u>
GW <u>1</u>

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

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" 17 lb.	0	25			
6"	4 1/2" O.D.	23	147	liner torch perforated from	125	147



Static water level 126 ft.*
Pumping water level 132 ft.*
at 15 gallons per minute, measured minutes after pumping began.
*Measured from ground level.
Well developed by baller for 3 hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

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

LICENSE NO. 171

County Lincoln

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
Well started from bottom of 8 ft. basement.		
All measurements from ground elev.		
0	21	loose sharp limestone and clay
21	32	tight solidified brown limestone
32	35	loose brown limestone
35	62	tight brown limestone
62	66	firm brown limestone
66	98	very tight gray limestone
98	106	firm brown limestone
106	120	very tight gray limestone
120	135	firm brown limestone
135	147	very tight gray limestone
125		start making water approx. 6 g.p.m.
135		12 g.p.m.
147		15 - 20 g.p.m.

147 Show exact depth of bottom

48005

214530

INDEXED
RECORDED
COMMISSION

STATE OF MONTANA
COUNTY OF LEWIS & CLARK

I hereby certify that the within in-
strument was filed in my office on
this 22 day of Dec
A.D. 1970 at 4:40 PM

Records & Clerk
County of Lewis & Clark
State of Montana
John J. Smith
County Recorder

Colleen D. Dwyer
Deputy

2.00

FRANCIS T. MARV
POPRAWSKI

LOCATION CHANGE

SYNDICATE ADDITION

LOTS 9-10-11 + PART

OF 12

1/30/71

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 Howard A. Bennett

Address 1008 12th Ave

Helena, Mont

Date well started June 1, 1971

completed June 4, 1971

Type of well drilled

Equipment used churn drill

Water Use: Domestic Municipal Stock Irrigation

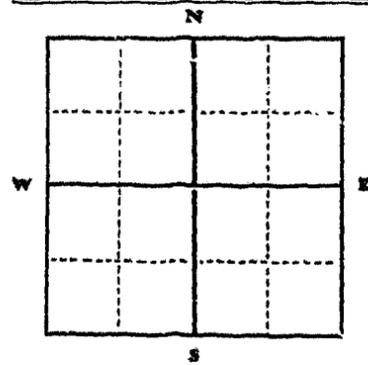
Industrial Drainage Other * Garden/Lawn

*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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
6"	6 5/8" 0	0.0	78	IT	1b.	



NE 1/4 NE 1/4 Sec. 23
T.10.10 N. R. 4. W. 11. E

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

Driller's Signature Robert Price

Driller's Address Box 104 Clancy, Mont.

LICENSE NO. 171

101-4W
County Deer 23

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	5	soil and large coarse gravel
5	18	loose large coarse gravel
18	23	firm clay bound gravel
23	46	silt and clay
46	62	firm clay bound gravel
62	66	soft silt and clay some fine clay
66	79	tight gravel some what clay bound
0	18	surface water
46	47	some water 3-4 g.p.m.
65	66	water 5-6 g.p.m.
76	79	water 15 g.p.m.

79 Show exact depth of bottom

48602

217940

RECORDED
COMPARED

J

STATE OF MONTANA
COUNTY OF LEWIS & CLARK } SS

I hereby certify that the within in-
strument was filed in my office on
this 11 day of June
A.D. 19 71 at 401 min. past
8 o'clock A.M.

Records of Lewis & Clark
County, State of Montana.

John Donald
County Recorder

W. C. ...
Deputy

P. 11

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 Reginald Brewer

Address Helena Montana
1998 Euclid

Date well started 7-22-71
completed 7-24-71

Type of well Drilled

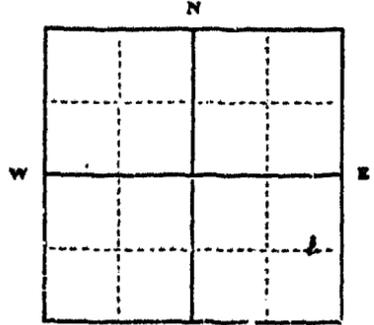
Equipment used Churn

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 120 000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	17 lb	0	88			



Static water levelft.*
Pumping water level 6.6 ft.*
atgallon 80 minute,
measured 80 minutes after pumping
began. 60
*Measured from ground level.
Well developed by
forhour Buler
Power 3 Pump HP
Remarks: level packing cementing,
packers, type of shaft:?)

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

Driller's Signature Wesley Lindsay
Driller's Address Clancy Montana

LICENSE NO. 38

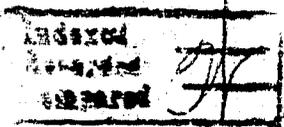
100-4W
County D.C.
DRILLER'S LOG 23

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	16	clay & gravel
16	60	clay
60	83	clay & gravel
83	90	disconformity fine rock
90	93	granite
		fine rock

93 Show exact depth of bottom

219530



STATE OF MONTANA
COUNTY OF LEWIS & CLARK } >

I hereby certify that the within instrument was filed in my office on this 6 day of Aug. A.D. 19 71 at 5:55 min. past 7 o'clock P. M.

Records of Lewis & Clark
County, State of Montana.
Alan J. Smith

County Recorder
By *Betty Stifford*
Deputy

2.00

File No.

T 10 N. R 4 W.

DUPLICATE

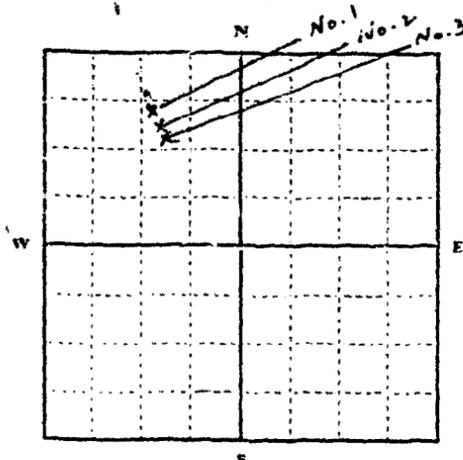
County Lewis & Clark

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Grant N. Buswell, of Central Park, Helena
(Name of Appropriator) (Address) (Town)
County of Lewis & Clark, State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec 23 T10 N R4 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 Irrigation, stock water, domestic.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been #1 1946, six months/year #2, 1946, continuous, #3, 1958, six months/year

4. The amount of groundwater claimed (in miner's inches or gallons per minute) #1, 250 gpm. #2, 20 gpm. #3, 20 gpm. Total 290 gpm.

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric jet pump in each case. Located as indicated on sketch.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Same as item 3.

8. The depth of water table #1, Surface. #2, six feet. #3, six 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 #1, dug with four foot steel casing to depth of eight feet #2, 6 in. steel casing 38' deep inside of dug well 12' ft deep with concrete casing. #3, 6 in. steel casing 24' deep.

10. The estimated amount of groundwater withdrawn each year Estimated total of 15,000,000 gallons from all three wells for all uses.

11. The log of formations encountered in the drilling of each well if available Mostly gravel and sand with some hardpan in No. 2

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 --- N/A

Signature of Owner Grant N. Buswell

Date December 30, 1963

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

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

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

28920

151990

BS

STATE OF MONTANA
COUNTY OF LEWIS & CLARK | 33

I hereby certify that the within instrument was filed in my office on this 7 day of Jan A.D. 1914 at 25 min. past 1 o'clock P.M.

Records of Lewis & Clark
County, State of Montana.

Robert J. Smith
County Recorder

By *M. J. Lee*
Deputy

S. J. Lee

214354

STATE OF MONTANA
COUNTY OF LEWIS & CLARK

hereby certify that the within in-
strument was filed in my office on
this 10 day of Dec
A.D. 19 70 at 50 min. past
1 o'clock P.M.

Records of Lewis & Clark
County, State of Montana

John David
County Recorder

by *Carol Goodson*
Deputy

R.D.

151453
STATE OF MONTANA }
COUNTY OF LEWIS & CLARK } SS

I hereby certify that the within instrument was filed in my office on this 30 day of Dec. A.D. 1963 at 3:03 min. past P. o'clock P.M.

Records of Lewis & Clark County, State of Montana

Stelan Jovich
County Recorder

By *Norman Kelley*
Deputy

\$2.00

Indexed
Recorded
Filed
[Signature]

21 53 103 11

RECEIVED
COUNTY CLERK
LEWIS & CLARK COUNTY
MONTANA
DEC 31 1963

100 NORTH 100 STREET

RECORDS SECTION

File No.

DUPLICATE

T. 10N R. 4W
County Lewis and Clark

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

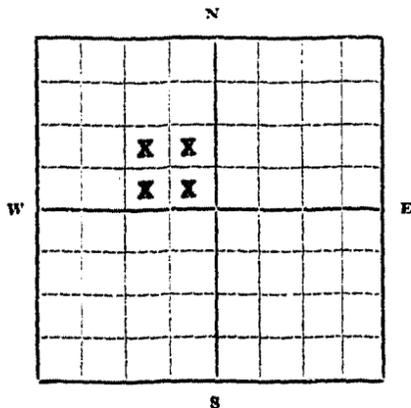
Declaration of Vested Groundwater Rights STATE ENGINEER
(Under Chapter 237, Montana Session Laws, 1961)

Carson Construction Company

1. dba, Helena Sand and Gravel Company of Box 1153, Helena, Montana
(Name of Appropriator) (Address) (Town)

County of Lewis and Clark State of Montana

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



SE of NW 23 T. 10N R. 4W
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 Industrial use, country club irrigation & farming

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1920

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater We work on pond each year removing gravel for commercial use.

8. The depth of water table Variable from existing grade - 10' to 35'

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 No well drilled, pond excavated - several pumps used to withdraw water, 1-6", 1-4", 1-3" and 3-2" centrifugal pumps.

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

11. The log of formations encountered in the drilling of each well if available gravel to 90' with some clay layers.

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. Helena Sand and Gravel has been using this water for 43 years, agreement with Montana Club to use, as required, to maintain country club.

Signature of Owner W. A. Carson
(W. A. Carson)

Date December 11, 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 School of Mines and Quadruplicate for the Appropriator.

151452

STATE OF MONTANA
COUNTY OF LEWIS & CLARK

I hereby certify that the within in-
strument was filed in my office on

this 30 day of Dec.
A.D. 1963 at _____ min. past

3 o'clock P.
_____ Recorder of Lewis & Clark
County, State of Montana

John L. Louch

County Recorder

By *Norma Kelley*
Deputy

2.00

Indexed
Recorded
Compared

File No. _____

T. 10N R. 2W

DUPLICATE

County Jefferson

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. W. A. Carson, of P O Box 1153, Helena
(Name of Appropriator) (Address) (Town)

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

				X	X
				X	X

2. The beneficial use on which the claim is based Irrigation
and industrial purposes.

3. Date or approximate date of earliest beneficial use; and how continu-
ous the use has been Earliest date unknown, Used since
1943, has been fairly continuous.

4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 2000 Gals. per minute

5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof
Approximately 40 acres of pasture and hay ground.
Owners, NP railroad and Howard Brandt.

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

NE 1/4 NE Sec. 23, T. 10N R. 4W

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 with-
drawal of groundwater Completion date unknown.

8. The depth of water table variable from 10 ft. to 25 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 Well is excavated and encased in masonry. Various
portable pumps used to withdraw the ground water

10. The estimated amount of groundwater withdrawn each year two million gallons.

11. The log of formations encountered in the drilling of each well if available No log 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 Have been using this water to irrigate pasture
and hay ground. Irrigation not required every year though necessary at certain times.

Signature of Owner W. A. Carson

(W. A. Carson)
Date December 18, 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.

151454

STATE OF MONTANA
COUNTY OF LEWIS & CLARK

Indexed
Recorded
Compared

I hereby certify that
this 30th Dec
A.D. 19 63 P.M.

Recorded at 457.61
County of Lewis & Clark
Steuw Lomiel
County Recorder

By Norma Kelley
Deputy

200

220533

STATE OF MONTANA
COUNTY OF LEWIS & CLARK 195

I hereby certify that the within in-
strument was filed in my office on
this 11th day of April
A.D. 19 71 at 15 min. past
9 o'clock A.

Records of Lewis & Clark
County, State of Montana.

John Donald
County Recorder

Betty Stafford
Deputy

2.00

File No. _____

T. 100 R. 4W 23

TRIPLICATE

MONTANA WATER RESOURCES BOARD

County Lewis & Clark

LOG

RECEIVED

SEP 26 1969

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Top of Ground
(Elev. above sea level _____)

Notice of Completion of Groundwater Appropriation by Means of Well

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

0 - 7' loose sharp gravel
some clay

Owner Dean Harrison Address 2210 Wilder Helena Montana

7 - 32' semi soft limestone

Driller Price Drilling Address Glancy, Mont.

32 - 41' soft white
granulated
limestone

Date of Notice of appropriation of groundwater _____

Date well started June 5, 1969 Date completed June 7, 1969

41 - 47' firm gray
colored lime
stone

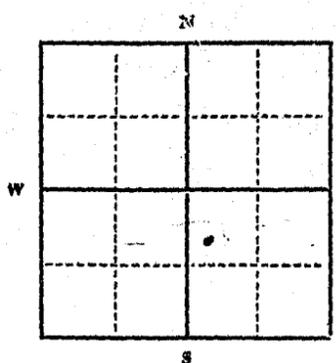
Type of well drilled Equipment used churn drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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.

40' some aspage

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	65/8" O.D. 15 lb.	0	44			
	4 1/2" 12 lb.	43	47	4 1/2" liner torch perforated		



Static Water Level for non-flowing well 26 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 30 feet
at 20 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested bailer

Length of Test 1 1/2 hrs.

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

SE 1/4 Sec. 23 T. 100 R. 4W
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, three copy to be retained by driller.

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

171
Driller's License Number

Robert Price
Driller's Signature.

45675

205642

Indexed
Recorded
Compared

STATE OF MONTANA
COUNTY OF LEWIS & CLARK

I hereby certify that the within instrument was filed in my office on this 12 day of Sept A.D. 1919 at 15 min. past 1 o'clock P.M.

Records of Lewis & Clark
County, State of Montana
Henry D. Smith
County Recorder

Deputy
12

G

File No.

DUPLICATE

23
West Helena
R 2 Blk 9
County Lewis & Clark

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

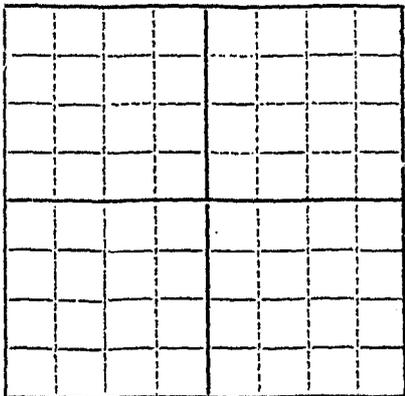
Declaration of Vested Groundwater Rights JAN 13 1964

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Leslie A. Hartford, of Unionville Rt
(Name of Appropriator) (Address) (Town)

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



Wall on Lot 9
1/4 Sec 23, 1/4 R 2 W

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

West Helena, Mont.

2. The beneficial use on which the claim is based. Household use (for 3 families). Garden irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1937 or 38

used continuously

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 200 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

Garden irrigation - approximate - 2 lots
owner - Leslie Hartford

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

Electric house pump
irrigation pump - 1 1/2"

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Drilled for former owner in 1937 or '38

8. The depth of water table. Varies from 4 to 10 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.

drilled well - 8" casing - 110' deep

10. The estimated amount of groundwater withdrawn each year. 1,752,000 gal - approx

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 known

Signature of Owner Leslie A. Hartford
Leslie A. Hartford

Date 12-18-63

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.

31338

152 272

J

STATE OF MONTANA }
COUNTY OF LEWIS & CLARK } 66

I hereby certify that the within instrument was filed in my office on this 10 day of Jan A.D. 19 64 30 min. past 10 o'clock A.M.

Records of Lewis & Clark County, State of Montana.

[Signature]
County Recorder
By M. L. L...
Deputy

s2 = pd

[Faint handwritten notes and stamps, including "RECORDED" and "INDEXED" visible]

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

RECEIVED

DRILLER'S LOG 23

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 George W. Mayer
Address 2017 Knight St.
Helena, Montana
Date well started 4/6/71
completed 4/14/71

For Administrator's Use	
File	<u>234019</u>
Date	<u>April 17, 1973</u>
Time	<u>9:05 A.M.</u>

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

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

Water Use: Domestic Municipal Stock Irrigation

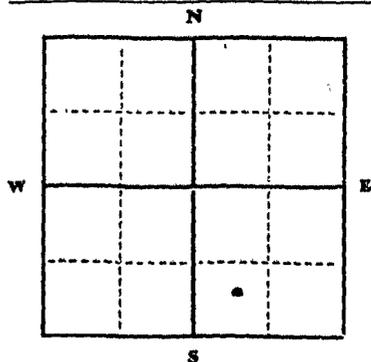
Industrial Drainage Other * Garden/Lawn

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8"	0 19	21' 119	4 1/2" liner torch perforated at 110' to 119'		



Static water level 98 ft.*
Pumping water level 100 ft.*
at 20 gallons per minute,
measured minutes after pumping began.

*Measured from ground level.
Well developed by bailer
for 1 1/2 hours.

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

SW 1/4 SE 1/4 Sec. 23
T. 10 R. 4 E
S W

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

Driller's Signature Robert Price, deceased

Driller's Address Clancy, Montana

LICENSE NO. 171

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
		well started in pit approx 6' deep
0	11	fragments of limestone with clay
11	21	blocky limestone with clay
21	46	very tight gray limestone
46	81	firm brown limestone with clay
81	96	light gray limestone
96	120	firm brown limestone with some clay
120	126	soft brown lime with some clay

126 ft. Show exact depth of bottom

52974

234019

Indexed
Recorded
Classified

STATE OF MONTANA
COUNTY OF LEWIS & CLARK } 50

I hereby certify that the within in-
strument was filed in my office on
this 17 day of April
A.D. 19 73 at 05 min. past
6 o'clock A. M. and record-
ed on page of Book
of Records of Lewis and
Clark County, State of Montana.

Allen Linnick
County Recorder

Noelle Patrick
Deputy

2.00

File No.

T. 10 N & W R. 12
County J & C

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

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

0-21' large coarse gravel
21-27' tight clay
 bound gravel
27-29' clay
29-36' firm clean gravel

Owner ROBERT MAYNARD Address 545 SPRING ST.

Driller Price Lindsey Address Claney Hunt

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

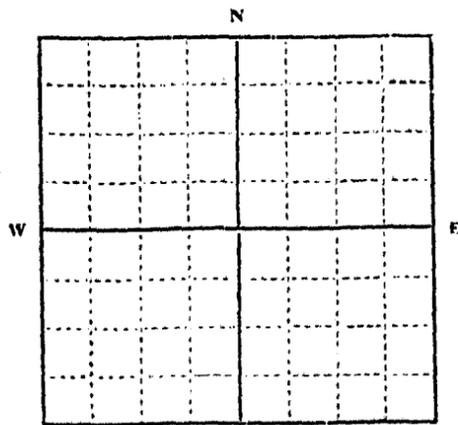
Date well started Aug 19 Date Completed Aug 22-63

Type of well drilled Equipment Used churn 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 (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 7/8"	6 7/8" O.D. 17 lb.	1' above ground	36			



Lots 10, 11 & 12 Blk 7 Hotel Park Add.,
1/4 Sec. T. R.
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 18 feet.

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

Pumping Water Level 25 feet at 18 gal. per minute.

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

How Tested bailer Length of Test 3 hrs

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).....

38
Driller's License Number

Robert Price
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.

28999

152 035

RECORDED
JAN 11 1967

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

I hereby certify that the within instrument was filed in my office on this 8 day of Jan A.D. 1967 at 50 min. past 8 o'clock A.M.

Records of Lewis & Clark
County, State of Montana

John J. ...
County Recorder

By M. Ross
Deputy

32

File No. _____

T10 N R 4

DUPLICATE

County Lewis & Clark

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

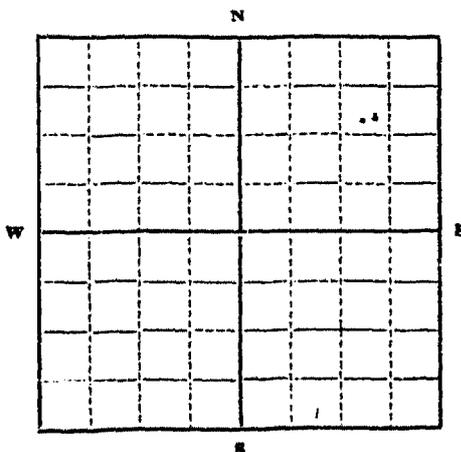
RECEIVED
DEC 17 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Thomas F. Moore of Route 1 Helena,
(Name of Appropriator) (Address) (Town)
County of Lewis & Clark State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S 1/2 SE 1/4 NE 1/4 Sec. 23 T.10. R.4.

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 Drinking water, garden irrigation, lawns & trees
- Date or approximate date of earliest beneficial use; and how continuous the use has been 1 well about 1948
1 well about 1952
Steady use
- The amount of groundwater claimed (in miner's inches or gallons per minute) 1 well- test 22 gal. per min.
1 well- test 12 gal. per min.
with possible 30 gal & 15 gal. per min. max.
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof garden irrigation-own use-small about 50 x 100 Ft. & 30 x 65 feet. Thomas F. Moore, et ux
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Both- electric pumps- one multi-stage and 1 jet.
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater First well open-drilled in about 1948 & completed.
Second well- drilled only- 1952- same year.
- The depth of water table First well-29'--second water level
Second well-47 to 48'--second water level
- 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 Both--drilled with six inch casing.
First well--surface depth-33'
Second well--surface depth-53'
- The estimated amount of groundwater withdrawn each year unknown-but plenty
- The log of formations encountered in the drilling of each well if available First well-Clay, sand & gravel-course of hardpan above 2nd water level
Second well-Clay-mostly sand and gravel.
- 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 Thomas F. Moore

Date 12/11/63

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.

9686

#150796

STATE OF MONTANA
COUNTY OF LEWIS & CLARK

I hereby certify that the within in-
strument was filed in my office on
the 12 day of Dec.
A.D. 1963 at 15 min. past
9 o'clock a.m.

County Clerk of Lewis & Clark
County, State of Montana

Richard Dovich

County Registrar
Deputy

2.00

File No.

T. 10N R. 4W

DUPLICATE

County Lewis & Clark

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

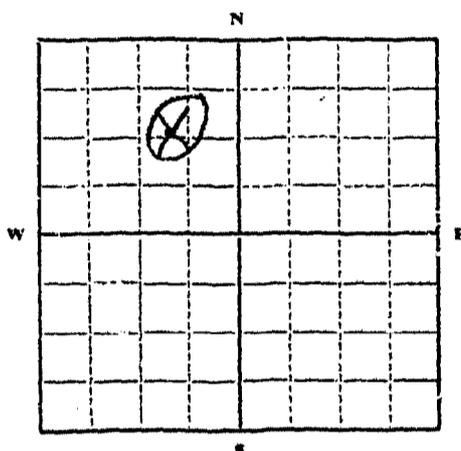
RECEIVED
JAN 10 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Margaret L. Nelson, of Rt. A Central Park, Helena
(Name of Appropriator) (Address) (Town)
County of Lewis & Clark State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Pt. NW 1/4 Sec. 23 T. 10N R. 4W

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. farming, gardening, livestock and domestic
- Date or approximate date of earliest beneficial use; and how continuous the use has been. About 1870 and continuously thereafter.
- The amount of groundwater claimed (in miner's inches or gallons per minute). approximately 200 gallons per minute used seasonably
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. Same as above
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Four wells situated on property pumped by centrifugal pumps.
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Previous to 1962
- The depth of water table. approximately 15 feet
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Wells either dug or drilled to a total depth of approximately 15 feet below the surface.
- The estimated amount of groundwater withdrawn each year. Impossible to estimate
- The log of formations encountered in the drilling of each well if available. Loosely consolidated gravels to completion of wells.
- 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 Margaret L. Nelson.
Date Dec. 27, 1963

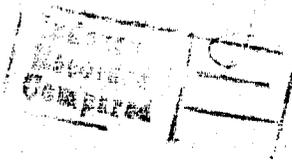
Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

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.

28996

152032



STATE OF MONTANA }
COUNTY OF LEWIS & CLARK } 36.

I hereby certify that the within instrument was filed in my office on this 8th day of Nov A.D. 1911 at 47 min. past 8 o'clock P.M.

Records of Lewis & Clark
County, State of Montana.

[Signature]
County Recorder

By [Signature] C. Russell
Deputy

[Signature]

23

File No.

T. 10E R. 4W

DUPLICATE

County Lewis & Clark

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

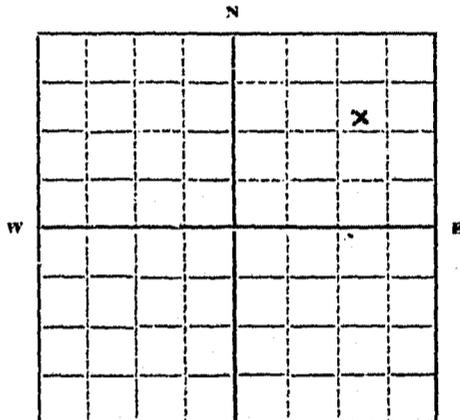
RECEIVED
NOV 26 1963

Declaration of Vested Groundwater Rights

(Under Chapter 227, Montana Session Laws, 1961)

STATE ENGINEER

1. Northern Pacific Railway Co., of G.N. Crossing Helena
(Name of Appropriator) (Address) (Town)
County of Lewis & Clark State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 NE Sec. 23 T. 10E R. 4W

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 purposes (leased)

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1907 to present, first as locomotive supply and since 1922 for irrigation

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 200 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. Acreage unknown, part H.P. land leased to W.A. Gorman and part private land.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1907

8. The depth of water table. unknown

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Dug well 32 feet diameter, depth unknown

10. The estimated amount of groundwater withdrawn each year. No data available

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

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

Signature of Owner [Signature]
Date Nov 6 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.

7488

Recorded
Accorded
Prepared

[Handwritten signature]

150073

STATE OF MONTANA } SS
COUNTY OF LEWIS & CLARK

I hereby certify that the within in-
strument was filed in my office on
this 20 day of Nov
A.D. 1963 at 45 min. past
11 o'clock A.M.

Records of Lewis & Clark
County, State of Montana.

[Handwritten signature]
County Recorder

By *[Handwritten signature]*
Deputy

2.00

File No.

T. 10 N. R. 4 W.

DUPLICATE

County Lewis & Clark

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

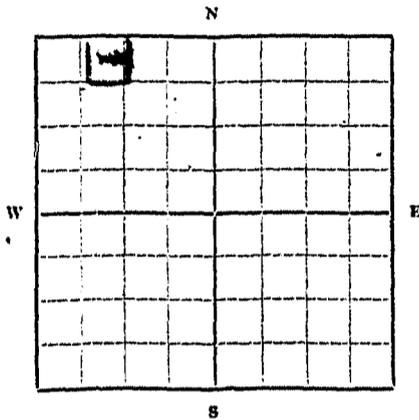
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Howard Pety of Helena Montana
(Name of Appropriator) (Address) (Town)

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



N 1/2
W 1/4 Sec 23 T10 R4W

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

4-15-62
ever day

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

40 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

Howard & Jean Pety

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

shallow well jet pump 1 H.P.

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

The pump was installed 4-15-62 & used

8. The depth of water table

since
4 ft.

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

10. The estimated amount of groundwater withdrawn each year

2,000,000 gallons

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

to 26 ft. 26 to 29 clay & sand gravel & sand
Course level at 30 ft. water table level 4 ft.

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

J. Howard Pety
Signature of Owner Alice E. Pety

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 School of Mines and Quadruplicate for the Appropriator.

Indexed L.H.
Filed _____
Comptrol _____

132643

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

I hereby certify that the within in-
strument was filed in my office on
this 22 day of May
A.D. 1967 at 35 min. past
9 o'clock a.M.

Records of Lewis & Clark
County, State of Montana.

John Donich
County Recorder

Norma Kelley
Deputy

2.00

236422

Indexed
Recorded
- 12-1-1977

STATE OF MONTANA }
COUNTY OF LEWIS & CLARK } SS

I hereby certify that the within instrument was filed in my Office on this 24 day of June A.D. 1977 at 4:08 min. past 7 o'clock A.M.

Records of Lewis & Clark County, State of Montana.

John K. Smith
County Recorder

Carol Erickson
Deputy

7:00

RECEIVED

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

DRILLER'S LOG 23

Indicate the character, color, thickness of strata such as soil, clay, sand, 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.

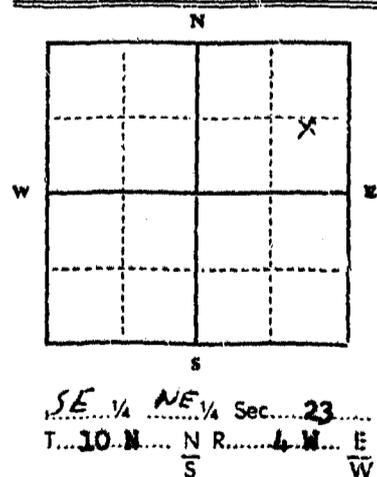
Owner Les Reynolds
Address 1805 Joslyn P.O. Box 9727
Helena, Montana 59601
Date well started June 12, 1950
completed June 14, 1950

For Administrator's Use	
File	<u>236421</u>
	<u>June 29, 1950</u>
GW	<u>9-47 A-111</u>

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

*Describe
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition) Lots 8-16 Blk 188 Synd. Add. Tract in S. 22 NE 1/4 (2.04 Acres) Section 23 Township 10 N Range 4 W
ESTIMATED ANNUAL WITHDRAWAL 500,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 in.	5 1/2 in. I.D. 0 6 in. O.D. 1/2 in Wall		46			



Static water level 30 ft.*
Pumping water level 43 ft.*
at 25 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by Bailer
for 3 hours.
Power Elec. Pump 1 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Walter Riddock
Driller's Address Helena, Montana

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	8	Clay
8	12	Cement gravel
12	20	Clay
20	25	Cement gravel
25	30	Clay
30	40	Cement gravel
40	46	Water & gravel

LICENSE NO. 49

Show exact depth of bottom 46

54821

236421

INDEXED
RECORDED
FILED

STATE OF MONTANA }
COUNTY OF LEWIS & CLARK } SS

herby certify that the within in-
strument was filed in my office on
this 29 day of June
A.D. 19 73 at 11:27 min. past
9 o'clock A.M.

Records of Lewis & Clark
County, State of Montana

John Donish
County Recorder

Carol Erickson
Deputy

F.O.

236423

Indexed
Recorded
Filed *4/2*

STATE OF MONTANA
COUNTY OF LEWIS & CLARK

I hereby certify that the within instrument was filed in my office on this *29* day of *April* A.D. 19 *73* at *9:40* min. Das *9* o'clock *A.* M.

Records of Lewis & Clark
County, State of Montana

John David

County Recorder
Carol Davidson
Deputy

3.00

RECEIVED

GW

JUL 8 1973

Approved Stock Form—State Publishing Co., Helena, Montana—2329

File No.

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION Well No. 2

T. 11N. R. 11W

DUPLICATE

County L & C 23

LOG

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Top of Ground (Elev. above sea level)

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

(Under Chapter 237, Montana Session Laws, 1961)

0 to 12 top soil and clay

Owner Lee Reynolds Address Helena Montana

Driller Walter Riddock Address Helena, Montana

12 to 23 cement gravel

Date of Notice of appropriation of groundwater 4-10-65

Date well started 4-6-65 Date completed 4-10-65

23 to 25 clay

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

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

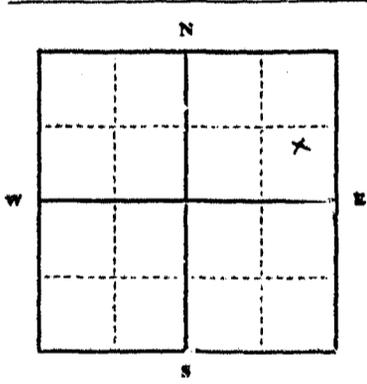
25 to 42 cement gravel

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.

42 to 44 water and gravel

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

236419 June 29, 1973 9:44 A.M.



Static Water Level for non-flowing well 27 feet. Shut-in Pressure for Flowing Well. Pumping Water Level 14 feet at 1.40 gal. per minute. Discharge in gal. per min. of flowing well. How Tested: bailer & pumps. Length of Test: 2 hrs. Remarks: (Gravel packing, cementing, packers, type of shutoff)

SE 1/4 NE Sec. 23 For By. 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). All property adjacent to City of Helena used by Mobile City Home Park, Sec. 23 Township 10N Range 4 W. Show exact depth of bottom. 45 ft. ANNUAL ESTIMATED USE 50,000,000 gallons

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

Mont 49 Driller's License Number. Walter Riddock Driller's Signature

May 30-73 Re-shelled & tested was Friday file # 38 54817

236419

INDEXED
RECORDED
FILED
Ke

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

I hereby certify that the within instrument was filed in my office on this 29 day of June A.D. 1917 at 9 o'clock A. M.

Records of Lewis & Clark
County, State of Montana.

John David
County Recorder

by *Carl Erickson*
Deputy

2.00

Well - No. 3

RECEIVED

JUL 3 1973

County Lewis & Clark

DRILLER'S LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

the character, color, thick-
ness 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 Lee Reynolds

Address 1805 Joslyn P. O. Box
Helena, Montana
59601

Date well started March 1, 1967
completed April 2, 1967

For Administrator's Use
File
GW 1

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

Equipment used Churn
(Churn drill, rotary or other)

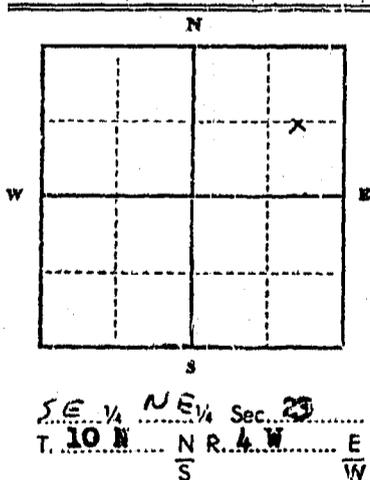
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other * Garden/Lawn

*Describe

USE: If used for irrigation, industrial, drainage or other. Explain,
state number of acres and location or other data (i.e. Lot, Block
and Addition). All property adjacent to city of Helena
used by Mobile City Home Park
Section 23 Township 10 N Range 4 W

ESTIMATED ANNUAL WITHDRAWAL 50,000,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
12 in.	52 lb.	0	110	5/16 by 1 1/2	85	105



Static water level 34 ft.*
Pumping water level 90 ft.*
at 150 gallons per minute,
measured 2 hrs. after pumping
began.

*Measured from ground level.
Well developed by air
for 2 hours.
Power 2100 Pump 7 1/2 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

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

Driller's Signature Wesley Sunday
Driller's Address Clancy Montana

LICENSE NO. 38

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
0	6	Topsoil clay
6	18	Clay
18	24	Cement gravel
24	28	Clay
28	40	Cement gravel
40	52	Clay
52	74	Decomposed rock
74	110	Cement gravel

110 Show exact depth of bottom

54818

236420

STATE OF MONTANA
COUNTY OF LEWIS & CLARK } S:

I hereby certify that the within in-
strument was filed in my office on
the 29 day of June
A.D. 1917 at 10 min past
9 o'clock A.M.

Records of Lewis & Clark
County, State of Montana.

John Kovich
County Recorder

By *Carol Jackson*
Deputy

2.00

Indexed
Recorded
400001

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

10N-4W²³
 + Block

Owner Jack Sangray 59601
 Address 1221 Hudson Ave. - Helena
 Location T. 1 R. 4 Sec. 23
 Doc. No. 229174

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

Special Instructions:

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

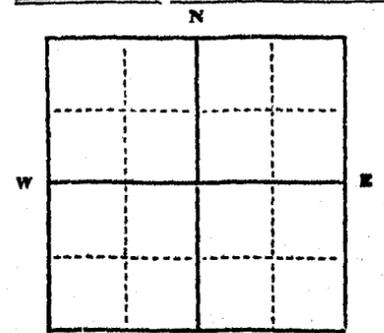
Thank you. 10N-4W 23
 11/17/72

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 120,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	1716	0	35	1" inner		
				4 5/8	35	155



Static water level 112 ft.*
 Pumping water level 140 ft.*
 at 2.5 gallons per minute,
 measured 60 minutes after pumping
 began.
 *Measured from ground level.
 Well developed by Blair
 for 2 hours.
 Power Blair Pump 1 1/2 HP
 Remarks: (Gravel packing, cementing,
 packers, type of shutoff)

Lot 17-32^S Blk 176
 T. 10 R. 4 Sec. 23
 W. 1/4 S. 1/4 Subdivision

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

Driller's Signature Wesley Lindsey
 Driller's Address Clancy Montana

LICENSE NO. 38

15' Show exact depth of bottom

LF

51,618

51,618

229174

Indexed	
Recorded	<i>J</i>
Compared	

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

hereby certify that the within instrument was filed in my office on the 5th day of July 1972 at 10 min. past 1 o'clock P.M. and recorded on page 1 of Book 1 of Records of Lewis and Clark County, State of Montana.

John D. Smith
County Recorder

by *J. Thomas*
Deputy

200

236606

Indexed
Recorded
Jammed *B*

STATE OF MONTANA
COUNTY OF LEWIS & CLARK } ss

hereby certify that the within in-
strument was filed in my office on
this 7 day of July
A.D. 19 73 at 40 min. past
11 o'clock A.M.

Records of Lewis & Clark
County, State of Montana

John D. ...
County Recorder

Carol ...
Deputy

3.00

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 L. J. West
Address 1815 Jerome Place
Helena, Montana
Date well started July 17, 1972
completed July 19, 1972

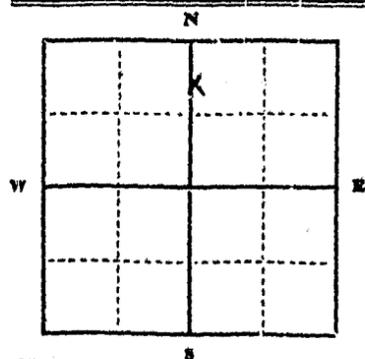
For Administrator's Use	
File	<u>230251</u>
Date	<u>Nov. 14, 1972 1:25 p.m.</u>
GW #	<u>1</u>

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

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	Iron pipe 15lb.	1.5'	40.8'			



Static water level 3.8 ft.*
Pumping water level ft.*
at 35 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by balling
for hours.
Power..... Pump..... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

1/4 NE 1/4 Sec 23
T.10 N.R. 4 E
S W

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

Driller's Signature Donald C. Mellin
Driller's Address 220 C. Custer Ave. West

Helena, Montana 59601 LICENSE NO. 225

County Lewis & Clark

DRILLER'S LOG 23

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

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0.0'	5.5'	Dark silt clay top soil
5.5'	15.0'	Brown dense gravelly sandy clay
15.0'	19.0'	Soft brown silty clay
19.0'	19.8'	water contact
19.8'	28.0'	Grey gravelly sand
28.0'	35.0'	Tan silty gravelly sand with water
35.0'	37.5'	Tan sandy silt small flow
37.5'	38.5'	Tan sandy gravelly silt
38.5'	39.5'	Silty, sandy, gravel
39.5'	40.0'	Grey sandy silt
40.0'	40.8'	Sandy gravel with 35 gpm*

40.8' Show exact depth of bottom

5,835

230251

Indexed
Recorded
Compared *J*

STATE OF MONTANA }
COUNTY OF LEWIS & CLARK } 50

I hereby certify that the within instrument was filed in my office on this 14 day of Nov A.D. 1972 at 2 min. past 1 o'clock A. M. and recorded on page of Book of Records of Clark County, State of Montana.

John Daniel
County Recorder

P. Thomas
Deputy

200

File No.

T. 10W R. 4W

DUPLICATE

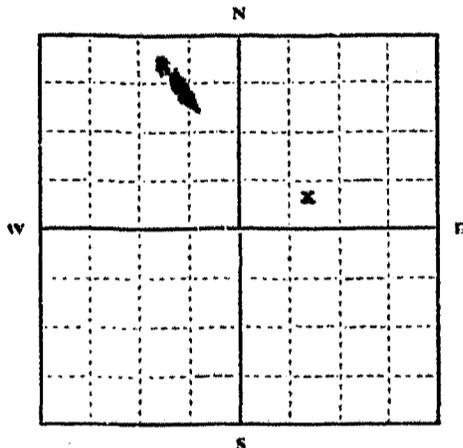
County Lewis & Clark

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
SEP 20 1963

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

I, William Whyte, of Route 8, Helena,
(Name of Appropriator) (Address) (Town)
County of Lewis & Clark State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 SW 1/4 NE 1/4 Sec. 23 T. 10W R. 4W

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.....
1934

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
10 gallon/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.....
Lawn and garden

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.....
1934

8. The depth of water table.....
N/A

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

10. The estimated amount of groundwater withdrawn each year.....
58,000 gallon

11. The log of formations encountered in the drilling of each well if available.....
N/A

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 William Whyte

Date September 17, 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.

148131

Indexed
Recorded
Classified

5

STATE OF MONTANA }
COUNTY OF LEWIS & CLARK } SS

I heroby certify that the within in-
strument was filed in my office on
this 19th day of Sept
A.D. 1963 at 10 min. past
7 o'clock A.M.

Records of Lewis & Clark
County, State of Montana.

John Kovach
County Recorder

By Thomas C. Russell
Deputy

2:00

File No. _____

T. 23 R. 4W

DUPLICATE

County 23

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

Owner CHARLES WINDERL Address 2130 WILDER AVE.

Driller Price Drilling Address Clancy, Mont.

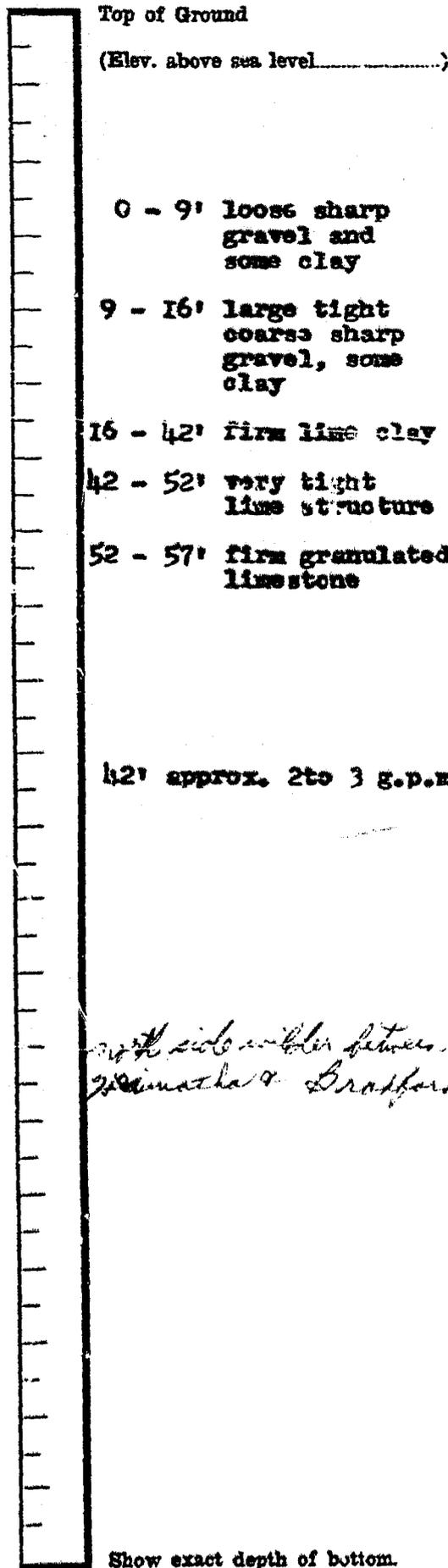
Date of Notice of appropriation of groundwater _____

Date well started Aug. 22, 1969 Date completed Aug 27, 1969

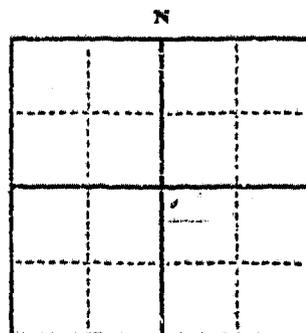
Type of well drill Equipment used oburn drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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	Feet (Feet)	To (Feet)
6"	5/8" O.D. 15 lb.	0	53			
	4 1/2"	52	57	4 1/2" liner perforations, cut with torch		



Static Water Level for non-flowing well 33 feet.

Shut-in Pressure for Flowing Well 38

Pumping Water Level _____ feet at 18 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested bailer

Length of Test 2 hrs.

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

Sec. 23 T. 4W R. 23
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).

in block one hundred ninety eight (198) lot 33
40 feet from front of lot
in same addition adjacent to city of Helena

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.

171
Driller's License Number

Robert Price
Driller's Signature.

45758