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242068

20 Aug 10⁰⁰ 3062

Hazel Miller

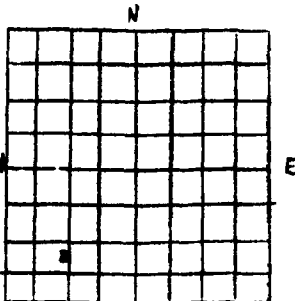
County Silver Bow

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAR 9 1964

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

1. Bette, Amos & Pacific Ry. Co., of 823 Utah Ave., Bette
(name of appropriator) (address) (Town)
County of Silver Bow, State of Montana, have appropriated groundwater according to the Montana Laws in effect prior to Jan. 1, 1962, as follows:



SW 1/4 Sec 35 T38 R 9W

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
General household purposes and domestic
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
1893 and use has been continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
16 gallons per minute
5. If used for irrigation, give the acreage & description of the lands to which water has been applied & name of the owner thereof
Not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Electric powered Centrifugal Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Original well 1893 - New well drilled November 1956
8. The depth of water table
Approximately 10 feet below surface
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
Well drilled to depth of 70 feet - 6" casing ground level to 42 feet, 4" casing with 1/4" x 1" slots from 42 feet to 70 feet.
10. The estimated amount of groundwater withdrawn each year
Approximately 300,000 gals.
11. The log of formations encountered in the drilling of each well if available
The following from top to bottom: 4 feet of sandy top soil, 10 feet of gravelly clay, 20 feet of clay, 16 feet of decomposed granite.
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 Co. record
None

Date Jan 17, 1964 Signature of Owner Lee V. Kelly

STATE OF MONTANA) ss Lee V. Kelly having first been duly
COUNTY OF SILVER BOW)

sworn, depose o and say o that he is of lawful age and the appropriator and Claimant of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person whose name subscribed thereto, as the appropriator and claimant, that he know the contents of said foregoing notice & that the matters & things therein stated are true.

Subscribed and sworn to before me this 17th day of January, 19 64
Notary public for the St. of Montana, residing at Amos, Montana
Commission expires April 21, 1965

See 3rd 10th Sec 2 (4th)

252086

STATE OF MONTANA,
COUNTY OF SILVER BOW,

I hereby certify that the within instru-
ment is a true and correct copy of the original
as the same was filed in my office on the 6th
day of June, A.D. 1977, at
6 minutes past 12 o'clock noon.

WILLIAM T. BUCHANAN
County Clerk and Recorder.

W. T. Buchanan

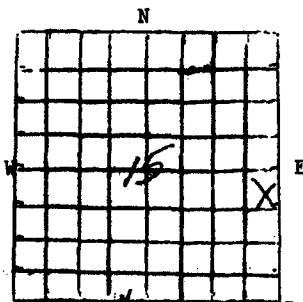
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

T 3 N., R 9 W.
County Silver Bow
JAN 2 1964

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1962)

STATE ENGINEER

1. CARL A. GILLESPIE, of Butte, Montana (Ramsay)
(Name of Appropriator) (Address) (Town)
County of Silver Bow, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



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
Spring - used for irrigation Sec 15.
3. Date of approximate date of earliest beneficial use; and how continuous the use has been
1900
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
500 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. 372.5 A approx. Sec 15.
and 11.1 A approx. Sec 15. Carl A. Gillespie.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal

- Spring flowing into constructed dam.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
1900
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
unknown
10. The estimated amount of groundwater withdrawn each year
unknown
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
Not available

Signature of Owner

Carl GillespieDate Dec 25, 1963

STATE OF MONTANA) ss
COUNTY OF SILVER BOW)

CARL A. GILLESPIE having first been duly sworn, depose and say that he is of lawful age and is the appropriator and claimant of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Carl Gillespie
Quinn B. Ford

Subscribed and sworn to before me, this 25th day of December, 1963

Notary public for the State of Montana, residing at Butte, Montana
expires Oct 15, 1964

1965

251306
251306

OFFICE OF THE CLERK
COUNTY OF SILVER BOW.

I hereby certify that the within instrument is a true and correct copy of the original as the same is on file and for record in my office on the

_____ day of _____ A. D. 19____
_____ min. past _____ o'clock
_____ of _____

Recorded on page _____ of Book _____

Silver Bow County, Montana. Attest my hand and the seal of said County.

WILLIAM T. HUGHES
County Clerk

GW *10/1/64*
File No. *792-5148*
QUADRUPLICATE *Will call*

RECEIVED
MAY 7 1964

STATE ENGINEER
ADMINISTRATOR OF GROUNDWATER
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.....)

2 gravel & clay 1 gm
42 ~~disconformity~~ granite
45 sandy granite water

N
W

511-4 Sec. 12 T. 3. N. R. 9. E. S. 4
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Owner Louis Howe Address Ramsay, Mont.
Driller O. Keefe Drilling Co. Address Butte, Mont.
Date of Notice of Appropriation of Groundwater.....
Date well started 10-19-63 Date Completed 10-21-63
Type of well drilled Equipment Used rotary
(dug, driven, bored or (Churn, drill, rotary or drilled) 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"	60 19 LB.	0	45	cutting torch	39	44

Static Water Level for non-flowing Well 20 feet

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

Pumping Water Level 22 feet at 35 gal. per minute.

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

How Tested baller Length of Test 2 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).....

Mont. License No. 8

Driller's License Number

Edward A. O. Kyle
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.

16874

251177

STATE OF MONTANA }
COUNTY OF SILVER BOW. }

I hereby certify that the within instrument
was filed at my office on the 30
day of August, 1923.

WITNESSES MY HAND

WILLIAM D. DUCKER,
County Clerk and Recorder.

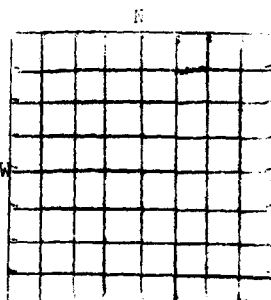
W. D. Ducker

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

County Silver Bow
JUN 12 1962

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

1. RAMSAY ASSOCIATION, of RAMSAY
(Name of Appropriator) (Address) (Town)
County of Silver Bow, State of Montana, have appropriated groundwater according to
the Montana Laws in effect prior to January 1, 1962, as follows:



1/4 Sec 37-27-R 9-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
WATER SUPPLY FOR AT LEAST 30 FAMILIES
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
1917 (STEADY)
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
NOT AVAILABLE
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
ONLY FOR LAWNS & GARDENS AND FIELDS IN THE RAMSAY TRACT
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
(2) JET CENTRIFUGAL PUMPS
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
WELLS WERE COMPLETED SOMETIME EITHER IN 1918 OR 1917
8. The depth of water table
35 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
BOTH WELLS HAVE 8 INCH CASINGS AND THEY ARE 200 FEET DEEP
WHICH PUMP INTO A 60,000 GALLON WATER STORAGE TANK. BOTH WELLS HAVE 4 1/2 INCH OPENINGS
10. The estimated amount of groundwater withdrawn each year
60,000,000 GALLONS
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
WELLS ARE SITUATED ON LAND FORMERLY OWNED BY THE DUPONT COMPANY.
WE HAVE TWO LETTERS STATING THAT RECORDS HAVE BEEN DESTROYED BY SAID COMPANY

Signature of Owner Eugene H. Clark PRES.
Date June 12, 1962 TREAS.

STATE OF MONTANA)
COUNTY OF SILVER BOW) ss

depose and say that he of lawful age and having first been duly sworn,
the appropriator and claimant of the order and water right mentioned in the
foregoing declaration of vested groundwater rights and the person whose name
subscribed thereto, as the appropriator and claimant, that he know
the contents of said foregoing notice and that the matters and things therein stated are
true.

Neil E. Shea

Subscribed and sworn to before me, this 12 day of June, 1962

Notary public for the State of Montana, residing at Butte Commission expires Apr 26, 1964

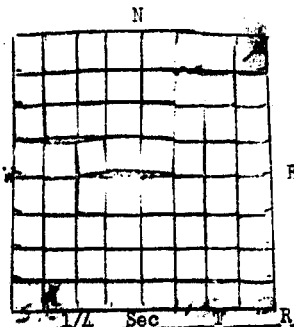
3-9-15
 RECEIVED
 DEC 31 1963

OFFICE OF STATE

STATE ENGINEER

OF VESTED GROUNDWATER RIGHTS
 Chapter 237, Montana Session Laws, 1961

1. George L. Stanger, of 1725 Sturtevant (Town)
 (Name) (Address)
 County of Silver Bow, State of Montana, have appropriated groundwater according to
 the Montana law in effect prior to January 1, 1962, as follows:



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 Drilling and purposes
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1952
4. The amount of groundwater claimed (in minutes inches or gallons per minute) 30 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 1 acre 5+ 1/2 SW 1/4 Sec 10 Township 14 N Range 12 W
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1952
8. The depth of water table 5 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 1/2 inch diameter
10. The estimated amount of groundwater withdrawn each year 15,000,000
11. The log of formations encountered in the drilling of each well if available un known
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Date

STATE OF MONTANA) ss
 COUNTY OF SILVER BOW)

George L. Stanger having first been duly sworn,
 depose and say that he of lawful age and the
 the appropriator and claimant of the order and water right mentioned in the
 foregoing declaration of vested groundwater rights and the person whose name
 subscribed thereto, as the appropriator and claimant, that he know
 the contents of said foregoing notice and that the matters and things therein stated are
 true.

Subscribed and sworn to before me, this 30 day of Dec, 1963

Notary public for the State of Montana, residing at 16829 Commission expires 16829

MONTANA

3-9-15
RECEIVED
DEC 31 1963

OFFICE OF STATE

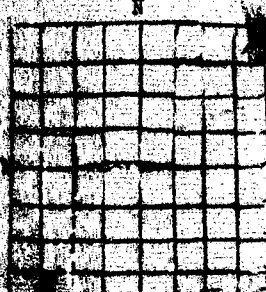
STATE ENGINEER

OF VESTED GROUNDWATER RIGHTS
Chapter 237, Montana Code Annotated, 1961

1725 Stinson

1. Mary L. Stanger of 1222 North (Address) 1725 Stinson (Town)
(Name)

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



Point of appropriation
Place of use, if possible.
Each small square represents 10 acres.

2. The beneficial use on which the claim is based Drinking and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1952
4. The amount of groundwater claimed (in minutes inches or gallons per acre) 30 min. per acre
5. If used for irrigation, give the name and description of the lands to which water has been applied and name of the owner thereof 1222 North Stinson
6. The means of withdrawing water from the ground and the location of such well or means of withdrawal

7. The date of commencement and completion of the construction of the well, and other works for withdrawal of groundwater 1952

8. The depth of water table 10 feet

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

10. The estimated amount of groundwater withdrawn each year 15,700 gals.

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

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

Signature of Owner George L. Stanger
Date Dec. 30 - 1963

STATE OF MONTANA
COUNTY OF SILVER BOW

as George L. Stanger having first been duly sworn,
deposes and says that he of lawful age and the of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person whose name subscribed thereto, as the appropriator and claimant, that he know the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me, this 30 day of Dec. 1963
Notary public for the State of Montana, residing at 16829

251129

STATE OF MONTANA } ss.
COUNTY OF SILVER BOW }
I hereby certify that the within instrument
was filed at my office on the _____
day of _____ A. D. 19____ at
_____ o'clock past _____ of said day.
Attest my hand and seal this _____ day of _____
19____

Notary Public

16829

16
T 9 N R 9 W

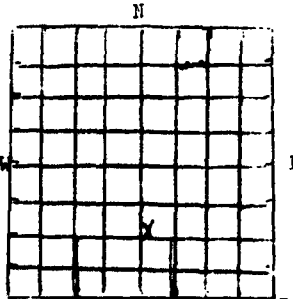
County Silver Bow

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. John Frederick Miles, of Miles Crossing, Mont.
(Name of Appropriator) (Address) (Town)

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



1/4 Sec 16 T 9 N R 9 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
Domestic + Live Stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
1971 continuously used
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
to irrigate lawn

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Reming jet pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Same time in 1971
8. The depth of water table from surface to water 22 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
Depth of Well approx 40 feet.
10. The estimated amount of groundwater withdrawn each year approx 2000 gall.
11. The log of formations encountered in the drilling of each well if available
top soil (in gravel) 4 ft. yellow clay
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 F. Miles
Date December 26, 1962

STATE OF MONTANA) ss
COUNTY OF SILVER BOW)

John F. Miles having first been duly sworn, depose and say that he of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person whose name subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me, this 26th day of December, 1962
Notary public for the State of Montana, residing at Butte, Montana
Commission expires March 15, 1962

243981

15 - Dec 1962

David Miller

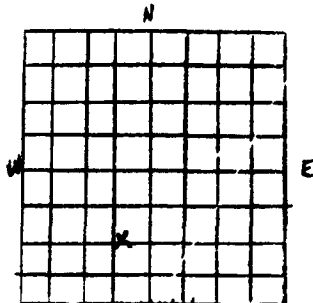
T 3 N R 9 W 16
County Silver BowSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
-----RECEIVED
JAN 3 1964

STATE ENGINEER

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

- 1.
- Antony J. Skubitz
- of
- Silver Bow
- Montana
-
- (name of appropriator) (address) (Town)

County of Silver Bow, State of Montana, have appropriated groundwater according to the Montana Laws in effect prior to Jan. 1, 1962, as follows:



SW 1/4 Sec 4 T3N R9W

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
Spring for livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
1943 continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
10 gallons per minute
5. If used for irrigation, give the acreage & description of the lands to which water has been applied & name of the owner thereof
N/A
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Natural flow
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
1943
8. The depth of water table
Surface
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
Piped out of spring into section 16 into water trough
10. The estimated amount of groundwater withdrawn each year
515 6000 gals
11. The log of formations encountered in the drilling of each well if available
None

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 Co. record

Date _____ Signature of Owner Antony J. SkubitzSTATE OF MONTANA
COUNTY OF SILVER BOW) ss Antony J. Skubitz having first been duly sworn, depose _____ and say that _____ of

lawful age and _____ the appropriator _____ and Claimant _____ of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person whose name subscribed thereto, as the appropriator and claimant, that he know the contents of said foregoing notice & that the matters & things therein stated are true.

Subscribed and sworn to before me this DEC 31 1963, 19 _____
Notary public for the St. of Montana, residing at _____
Commission expires: _____

21555

251376

NOTARY PUBLIC }
COUNTY OF SULLY, IOWA }
I hereby certify that the within paper
was filed at my office on the _____
day of _____ A. D. 19____
_____ minutes past _____ o'clock
_____ of the month of _____
_____ A. D. 19____
WILLIAM H. ROBERTS
County Clerk
Margaret Pond

72-9w 21
RECEIVED
 JAN 2 1964
 STATE ENGINEER

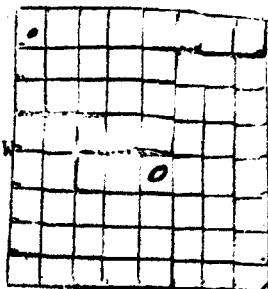
MONTANA

OFFICE OF STATE

OF VESTED GROUNDWATER RIGHTS

Chapter 237, Montana Session Laws, 1961

1. Frank Miller, of Box 36 Silver Bow,
 (Name) (Address) (Town)
 County of Silver Bow, State of Montana, have appropriated groundwater according to
 the Montana law in effect prior to January 1, 1962, as follows:



1/4 Sec 31 T30N R9W
 Indicate point of appropriation
 and place of use, if possible.
 Each small square represents 10
 acres.

2. The beneficial use or which the claim is
 based Irrigation Well
3. Date or approximate date of earliest bene-
 ficial use; and how continuous the use has
 been Nov - 1963
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 a
 and description of the lands to which
 water has been applied and name of the
 owner thereof Frank Miller
10 acres, clay soil
6. The means of withdrawing such water from
 the ground and the location of each well
 or other means of withdrawal
Turbine electric pump
7. The date of commencement and completion of the construction of the well, falls, or
 other works for withdrawal of groundwater
Started & finished - Nov 1963
8. The depth of water table 200 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
Punch Well & Casing
10. The estimated amount of groundwater withdrawn each year 34,560,000
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy
 of this act, including reference to book and page of any county record

Signature of Owner

Date

December 30 - 1963

STATE OF MONTANA)
 COUNTY OF SILVER BOW) ss

Frank Miller having first been duly sworn,
 deposes and says that he is of lawful age and 15
 the appropriator and claimant of the order and water right mentioned in the
 foregoing declaration of vested groundwater rights and the person whose name 15
 subscribed thereto, as the appropriator and claimant, that he knows
 the contents of said foregoing notice and that the matters and things therein stated are
 true.

Subscribed and sworn to before me, this 31st day of December, 1963

I am a public officer for the State of Montana, residing at Butte, Montana
Notary Public

19103

251239

CITY OF MONTANA }
COUNTY OF SILVER BOW } ss.
I hereby certify that the within and
was filed at my office on the 9th
day of July A. D. 1963
at 2 minutes past 12 o'clock.
Attest my hand:
WILLIAM T. FLEMMING
E. M. Olson

No. 1 Well

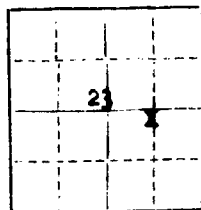
RECEIVED

T. 3N R. 9W

County Silver Bow

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Victor Chemical Works

Address Silver Bow, Montana

Driller Walter Riddock & Sons

Address Helena, Montana

Date Started January 7, 1954

Date Completed February 4, 1954

Location: Sec. 23 T. 3N R. 9W 1/4 sec. South East

Type of well Drilled

Equipment used

Rotary

(Dug, driven, bored, or drilled)

(Churn drill, rotary, other)

Water use: Domestic

☐

Municipal

☐

Stock

☐

Irrigation

☐

Industrial

☒

Drainage

☐

Other

Casing: 0 ft. to 225 ft. Type Welded Size 10"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 20 to ft. 222 Ft. to ft.

Type of screen or perforations 4 ea. 1/4" slits per foot

Static Water level, for non-flowing well: 40 feet.

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

Pumping water level 55 feet at 350 - 400 gal per min

How tested: Layne-Minnesota deep well pump was installed.

Length of test 8 hours

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

(over)

Log of Well

Depth, feet
From To

Description of Material Drilled

No written log is available. Refer to log of #3 well
which is about 1060 feet southwest of this well.

STATE OF NEW YORK
COUNTY OF SULLY

I hereby certify that the foregoing
was filed at my office on Jan. 5, 1919.
J. H. [Signature]

Shayl Miller.

916019

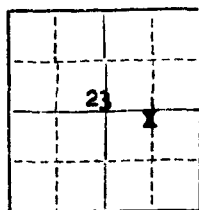
Dup of
1961 Form
(End)

No. 1 Well

T. 3N R. 9W
County. Silver Bow

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Victor Chemical Works Address Silver Bow, Montana

Driller Walter Riddock & Sons Address Helena, Montana

Date Started January 7, 1954 Date Completed February 4, 1954

Location: Sec. 23 T. 3N R. 9W 1/4 sec. South East

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

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

Casing: 0 ft. to 225 ft. Type Welded Size 10"

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

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

Perforated or screened: Ft. 20 to ft. 222 Ft. _____ to ft. _____

Type of screen or perforations 4 ea. 1/4" slots per foot

Static Water level, for non-flowing well: 40 feet

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

Pumping water level 55 feet at 350 - 400 gal. per min.

How tested: Layne-Minnesota deep well pump was installed.

Length of test 8 hours

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

(over)

Log of Well

[illegible]

#245694

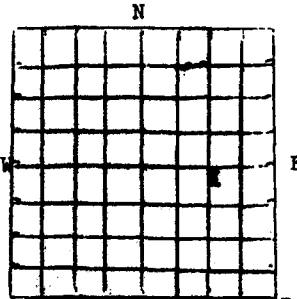
45 April, 4 63p

Margaret Bond

T W R W
County Silver BowSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERRECEIVED
JUN 19 1963DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

- Stauffer Chemical Company**
1. Victor Chemical Division, of Silver Bow, Montana
(Name of Appropriator) (Address) (Town)
County of Silver Bow, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec 36 T14N R3W
Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based Industrial
3. Date or approximate date of earliest beneficial use; and how continuous the use has been February 1954, continuous.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 g.p.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
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 2000 ft. deep well located on
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Completed February 4, 1954.
8. The depth of water table 50 feet below surface.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater See attached charts.
10. The estimated amount of groundwater withdrawn each year 200,000,000 g.p.
11. The log of formations encountered in the drilling of each well if available See attached charts.
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 See attached charts.

Signature of Owner STAUFFER CHEMICAL COMPANY
Victor Chemical Division

Date 4.7.1963 Johnson - Mgr.

STATE OF MONTANA
COUNTY OF SILVER BOW)

ss H. F. Johnson, Mgr.,
Stauffer Chemical Company having first been duly sworn,
Victor Chemical Division
depose and say that he is of lawful age and Stauffer Chemical Company
the appropriator and claimant of the order and water right mentioned in the
foregoing declaration of vested groundwater rights and the person whose name is
subscribed thereto, as the appropriator and claimant, that he know
the contents of said foregoing notice and that the matters and things therein stated are
true.

STAUFFER CHEMICAL COMPANY
Victor Chemical Division

By H. F. Johnson - Mgr.

Subscribed and sworn to before me, this 3rd day of April, 1963

Notary public for the State of Montana, residing at Butte, Montana, expires 1/15/65

J. E. Corbett III 11682

No. 2 Well

RECEIVED

T. 3N R. 9W

County. Silver Bow

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Sec. 23		

Owner Victor Chemical Works Address Silver Bow, Montana

Driller Price & Lindsey Address Clancy, Montana

Date Started January 1951 Date Completed January 1951

Location: Sec. 23 T. 3N R. 9W 1/4 sec. South East

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other:

Casing: 0 ft. to 226 ft. Type Welded Size 10"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or-Screened: Ft. 1 to ft. 1 Ft. to ft.

Type of screen or perforations 4 ea. 1/4" slits per foot

Static Water level, for non-flowing well: 33' feet.

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

Pumping water level 47' feet at 500 gal. per min

How tested:

Length of test ?

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	50	Clay
50	55	Sandy clay - some shallow strata fine sand
55	60	Clay (very dense and slimy)
60	70	Some very fine gravel - considerable fine sand and clay in shallow stratas
70	78	Silty clay
78	82	Alternate stratas of very fine sand and clay
82	95	Silty clay
95	118	Alternate stratas of very fine sand and clay
118	123	Sandy clay
123	150	Shallow stratas of sand and clay
150	155	Clay
155	170	Clay, some gravel embedded in the clay
170	185	Sandy clay, some very fine sand
185	198	Sandy clay
198	201	Coarse sand and some fine gravel
201	226	Coarse gravel and some fine gravel
50	55	Possible 30 - 40 g.p.m. - bailer test
60	70	Possible 20 - 30 g.p.m. - bailer test
78	87	Possible 30 - 40 g.p.m. - bailer test
95	118	Possible 30 - 40 g.p.m. - bailer test
123	150	Possible 50 - 60 g.p.m. - bailer test
155	170	Very little water - bailer test
170	185	No water - bailer test
201	226	500 g.p.m. after perforating

Stop! No more

I hereby certify that the well was drilled at my expense in accordance with the plan attached hereto.

Wm. H. Smith

2/6/20

Dup. of
 1941 Form
 (Ind)

No. 2 Well

T. 3N R. 9W
 County Silver Bow

MONTANA BUREAU OF MINES AND GEOLOGY
 Butte, Montana

WATER WELL LOG

	Sec. 23	

R9W

Owner Victor Chemical Works Address Silver Bow, Montana
 Driller Price & Lindsay Address Clancy, Montana
 Date Started January 1951 Date Completed January 1951
 Location: Sec. 23 T. 3N R. 9W $\frac{1}{4}$ sec. South East

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

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

Casing: 0 ft. to 226 ft. Type Welded Size 10"
 Casing: _____ ft. to _____ ft. Type _____ Size _____
 Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. 2 to ft. 2 Ft. _____ to ft. _____

Type of screen or perforations 4 ea. 1/4" slots per foot

Static Water level, for non-flowing well: 33' feet

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

Pumping water level: 47' feet at 500 gal. per min.

How tested: _____

Length of test 7

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	50	Clay
50	55	Sandy clay - some shallow strata fine sand
55	60	Clay (very dense and slimy)
60	70	Some very fine gravel - considerable fine sand and clay in shallow stratas
70	78	Silty clay
78	87	Alternate stratas of very fine sand and clay
87	95	Silty clay
95	118	Alternate stratas of very fine sand and clay
118	123	Sandy clay
123	150	Shallow stratas of sand and clay
150	155	Clay
155	170	Clay, some gravel embedded in the clay
170	185	Sandy clay, some very fine sand
185	198	Sandy clay
198	201	Coarse sand and some fine gravel
201	226	Coarse gravel and some fine gravel
50	55	Possible 30 - 40 g.p.m. - bailer test
60	70	Possible 20 - 30 g.p.m. - bailer test
78	87	Possible 30 - 40 g.p.m. - bailer test
95	118	Possible 50 - 60 g.p.m. - bailer test
123	150	Possible 50 - 60 g.p.m. - bailer test
155	170	Very little water - bailer test
170	185	No water - bailer test
201	226	500 g.p.m. after perforating

| #245695

46 April, '63

Margaret Ford

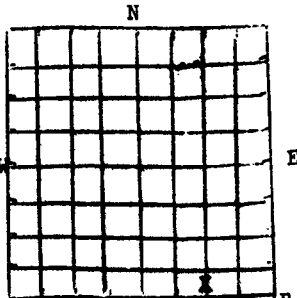
T M R 23
County Silver Bow
RECEIVED
JUN 19 1963

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. Stauffer Chemical Company
Victor Chemical Division, of Silver Bow, Montana
(Name of Appropriator) (Address) (Town)
County of Silver Bow, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



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.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
September 1951, continuous.
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
400 Gal./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
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
With stage pump well tubing pump.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Completed January 1951.
8. The depth of water table
40 feet below surface.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
See attached sheet.
10. The estimated amount of groundwater withdrawn each year
200,000,000 Gal.
11. The log of formations encountered in the drilling of each well if available
See attached sheets.
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
See attached sheets.

Signature of Owner STAUFFER CHEMICAL COMPANY
Victor Chemical Division
By H. F. Johnson - Mgr. Date 4/9/63

STATE OF MONTANA)
COUNTY OF SILVER BOW) ss H. F. Johnson, Mgr.
Stauffer Chemical Company
Victor Chemical Division, having first been duly sworn,
depose and say that he of lawful age and Stauffer Chemical Company
the appropriator and claimant of the order and water right mentioned in the
foregoing declaration of vested groundwater rights and the person whose name is
subscribed thereto, as the appropriator and claimant, that he knows
the contents of said foregoing notice and that the matters and things therein stated are
true.

STAUFFER CHEMICAL COMPANY
Victor Chemical Division
H. F. Johnson - Mgr.

Subscribed and sworn to before me, this 3rd day of April, 1963

Notary public for the State of Montana, residing at Butte, Montana expires 2/11/65
J E Carter III 4681

No. 3 Well

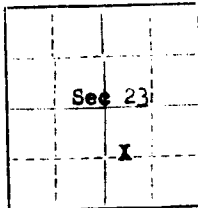
RECEIVED
STATE ENGINEER

T. 3N R. 9W

County Silver Bow,

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



R9W

Owner Victor Chemical Works Address Silver bow, Montana

Driller Price & Lindsey Address Clancy, Montana

Date Started Date Completed March 1951

Location: Sec. 23 T. 3N R. 9W 1/4 sec. South East

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other:

Casing: 0 ft. to 250 ft. Type Welded Size 10"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. See log on back to ft. Ft. to ft.

Type of screen or perforations 4-1/4" slits per foot

Static Water level, for non-flowing well: 52' + " feet

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

Pumping water level 71 feet at 550 gal. per min.

How tested Pump

Length of test

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	5	Clay and some surface gravel
5	83	Silty clay
83	90	Fine sand and some fine gravel, some water
90	105	Very silty clay
105	108	Medium coarse sand, some water
108	123	Silty clay
123	128	Fine silty sand, some water, perforated
128	132	Silty clay and some fine sand
132	135	Fine silty sand, some water, perforated
135	180	Silty clay
180	227	Sandy clay
227	230	Coarse sand and some fine washed gravel, water, perforated
230	232	Very fine sand
232	238	Sandy clay
238	242	Fine sand and some small gravel, water, perforated
242	246	Hard sandy clay
246	250	Medium coarse sand, water, perforated

Most water being made from 227' strata down.

STATE OF MINNESOTA
COUNTY OF SILVER BOW, 1st
I hereby certify that the within instrument
was filed at my office on this 2nd day of
January, 1911.
J. H. BROWN, Notary Public
J. H. BROWN, Notary Public
J. H. BROWN, Notary Public

2/6/11

Dwp. of
1961 Farm
Ind

No. 3 Well

T. 3N R. 9W

County Silver Bow,

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

See 23		
	X	

R9W

Owner Victor Chemical Works Address Silver Bow, Montana

Driller Price & Lindsey Address Clancy, Montana

Date Started Date Completed March 1951

Location: Sec. 23 T. 3N R. 9W 1/4 sec. South East

Type of well Drilled Equipment used Rotary
(Des. driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other:

Casing: 0 ft. to 250 ft. Type Welded Size 10"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or screened: Ft. See log on to ft. back Ft. to ft.

Type of screen or perforations 4-1/4" slots per foot

Static Water level, for non-flowing well: 52' 6" feet

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

Pumping water level: 71 feet at 550 gal. per min.

How tested: Pump

Length of test:

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	5	Clay and some surface gravel
5	83	Silty clay
83	90	Fine sand and some fine gravel, some water
90	105	Very silty clay
105	108	Medium coarse sand, some water
108	123	Silty clay
123	128	Fine silty sand, some water, perforated
128	132	Silty clay and some fine sand
132	135	Fine silty sand, some water, perforated
135	180	Silty clay
180	227	Sandy clay
227	230	Coarse sand and some fine washed gravel, water, perforated
230	232	Very fine sand
232	238	Sandy clay
238	242	Fine sand and some small gravel, water, perforated
242	246	Hard sandy clay
246	250	Medium coarse sand, water, perforated

Most water being made from 227' strata down.

#245696

47 April, 11th 19th

Margaret Bond

ted

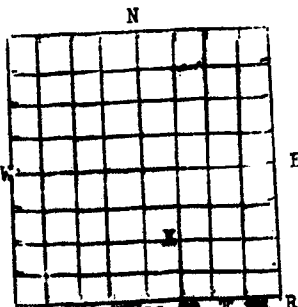
County Silver Bow

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUN 19 1963

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

1. Stauffer Chemical Company, of Silver Bow, Montana (Town)
(Name of Appropriator) (Address)
County of Silver Bow, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 14, T. 3N, R. 9W
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
3. Date or approximate date of earliest beneficial use; and how continuous the use has been September 1951, continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 150 Gal./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
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal

7. The date of commencement and completion of the construction of the well, works, or other works for withdrawal of groundwater Completed March 1961

8. The depth of water table 40 feet below surface

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

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

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

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 See attached sheets

Signature of Owner STAUFFER CHEMICAL COMPANY
Victor Chemical Division

By V. F. Johnson - Mgr. Date 4/1/63

STATE OF MONTANA) ss H. F. Johnson, Mgr.,
COUNTY OF SILVER BOW) Stauffer Chemical Company
Victor Chemical Division having first been duly sworn,
depose and say that he is of lawful age and Stauffer Chemical Company
the appropriator and claimant of the order and water right mentioned in the
foregoing declaration of vested groundwater rights and the person whose name is
subscribed thereto, as the appropriator and claimant, that he knows
the contents of said foregoing notice and that the matters and things therein stated are
true.

STAUFFER CHEMICAL COMPANY
Victor Chemical Division

V. F. Johnson Mgr.

Subscribed and sworn to before me, this 3rd day of April, 19 63

Notary public for the State of Montana, residing at Butte, Montana expires 1/1/65
J. E. Corbett III 4680

No. 4 Well

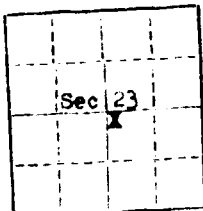
T. 3N R. 9W

County. Silver Bow

RECEIVED
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Victor Chemical Works Address Silver Bow, Montana

Driller Price & Lindsey Address Clancy, Montana

Date Started Date Completed August 1954

Location: Sec. 23 T. 3N R. 9W 1/4 sec. South East

Type of well

Drilled

(Dug, driven, bored, or drilled)

Equipment used

Rotary

(Churn drill, rotary, other)

Water use: Domestic

☐

Municipal

☐

Stock

☐

Irrigation

☐

Industrial

☒

Drainage

☐

Other:

Casing: 0 ft. to 300 ft. Type Welded Size 10"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or screened: Ft. 42 to ft. 295 Ft. to ft.

Type of screen or perforations 4-1/4" slits per foot

Static Water level, for non-flowing well 35 ft. feet.

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

Pumping water level 40.5 feet at 350 gal. per min.

How tested: Pump

Length of test

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	16	Top soil and sand
16	46	Clay and some gravel
46	50	Brown clay and some shallow stratas of sand, some water, 15 perforations
50	60	Brown clay and some fine gravel, some water, 35 perforations
60	75	Brown fine sandy clay
75	80	Brown coarse sandy clay
80	134	Light sandy silt with some clay and some sand
134	137	Fine silty sand
137	200	Clay containing fine silty sand
200	204	Firm fine silty sand
204	205	Running fine silty sand
205	222	Very tight fine silty sand
222	225	Fairly clean fine sand, some water, 35 perforations
225	235	Fine silty sand and some clay
235	260	Medium coarse sand and some silt, some water, 40 perforations
260	265	Very fine tight silty sand
265	275	Very fine tight silty sand with ribs of chert-like rock
275	290	Tight chert with some sand
290	295	Tight clean chert, some water, 35 perforations
295	310	Tight clean chert
310	320	Shallow stratas of chert and dark sticky clay, some water
320	330	Very dense sticky brown clay
330	340	Alternate stratas of very soft and firm clay

STATE OF MONTANA
COUNTY OF SILVER BOW

I hereby certify that the within instrument was filed at my office on the 3 day of Mar A. D. 1941 at 15 minutes past 10 o'clock A. M.

Attest my hand:

WILLIAM C. BIRCHMAN

County Clerk Silver Bow

W. C. Birchman

216022

Dup. of
1941 Form
(Ind.)

No. 4 Well

T. 3N R. 9W

County Silver Bow

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

	Sec 23	

Owner Victor Chemical Works Address Silver Bow, Montana

Driller Price & Lindsey Address Clancy, Montana

Date Started Date Completed August 1954

Location: Sec 23 T. 3N R. 9W 1/4 sec South East

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

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

Casing: 0 ft. to 300 ft. Type Welded Size 10"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or screened: Ft. 42 to ft. 295 Ft. to ft.

Type of screen or perforations 4-1/4" slits per foot

Static Water level, for non-flowing well: 35 ft. feet

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

Pumping water level 40.5 feet at 350 gal. per min.

How tested: Pump

Length of test

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	16	Top soil and sand
16	46	Clay and some gravel
46	50	Brown clay and some shallow stratas of sand, some water, 15 perforations
50	60	Brown clay and some fine gravel, some water, 35 perforations
60	75	Brown fine sandy clay
75	80	Brown coarse sandy clay
80	134	Light sandy silt with some clay and some sand
134	137	Fine silty sand
137	200	Clay containing fine silty sand
200	204	Firm fine silty sand
204	205	Running fine silty sand
205	222	Very tight fine silty sand
222	225	Fairly clean fine sand, some water, 35 perforations
225	255	Fine silty sand and some clay
255	260	Medium coarse sand and some silt, some water, 40 perforations
260	265	Very fine tight silty sand
265	275	Very fine tight silty sand with ribs of chert-like rock
275	290	Tight chert with some sand
290	295	Tight clean chert, some water, 35 perforations
295	310	Tight clean chert
310	333	Shallow stratas of chert and dark sticky clay, some water
333	360	Very dense sticky brown clay
360	400	Alternate stratas of very soft and firm clay

#245697

48 April, ⁴ 1950

Margaret Pond

DN 4

No. A Wall

T 23 N R 23
County Silver Bow

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUN 19 1963

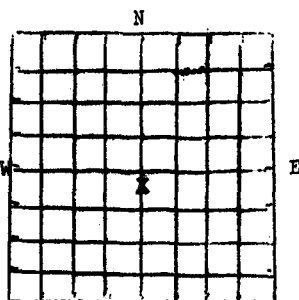
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Stauffer Chemical Company

1. Victor Chemical Division, of Silver Bow, Montana
(Name of Appropriator) (Address) (Town)

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



1/4 Sec. 36, T. 23 N. R. 23 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
Industrial.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
May 1933, continuous.
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
450 Gal./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
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
1000 ft. deep well bottom 1000 ft.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Completed August 1934.
8. The depth of water table
50 feet below surface.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
See attached sheets.
10. The estimated amount of groundwater withdrawn each year
200,000,000 Gal.
11. The log of formations encountered in the drilling of each well if available
See attached sheets.
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
See attached sheets.

Signature of Owner STAUFFER CHEMICAL COMPANY
Victor Chemical Division

By [Signature] Date [Signature]

STATE OF MONTANA) ss H. F. Johnson, Mgr.,
COUNTY OF SILVER BOW) Stauffer Chemical Company
depose and say that Victor Chemical Division, having first been duly sworn, the appropriator and claimant of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

STAUFFER CHEMICAL COMPANY
Victor Chemical Division

Subscribed and sworn to before me, this 3rd day of April, 1963

Notary public for the State of Montana, residing at Butte, Montana expires 7/21/65

[Signature] 4619

RECEIVED
STATE ENGINEER

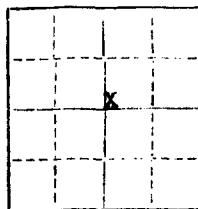
No. 5 Well

T. 3N R. 9W

County Silver Bow

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Victor Chemical Works Address Silver Bow, Montana

Driller Price & Lindsey Address Clancy, Montana

Date Started Date Completed August 1954

Location: Sec. 23 T. 39 R. 9W 1/4 sec. North East

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other:

Casing: 0 ft. to 303 ft. Type Welded Size 10"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or screened: Ft. 80 to ft. 290 Ft. to ft.

Type of screen or perforations. 4-1/4" slits per foot

Static Water level, for non-flowing well: 16 feet

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

Pumping water level 62 feet at 350 gal. per min.

How tested: Pump

Length of test

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

(over)

Log of Well

Depth feet		Description of Material Drilled
From	To	
0	8	Top soil, sand, some clay
8	20	Sticky gray clay
20	35	Shallow stratas of sticky and sandy brown clay
35	85	Sandy brown clay
85	100	Sticky clay
100	130	Alternate stratas of sticky and sandy clay
130	150	Very sticky clay
150	160	Sandy clay
160	175	Alternate shallow stratas of sticky and sandy clay
175	180	Sticky clay
180	225	Sandy clay
225	230	Very sticky clay
230	241	Tight sandy clay
241	245	Very sticky fat clay
245	293	Alternate shallow stratas of firm sandy clay and sticky clay
293	302	Fine sandy silt
302	335	Sandy clay
335	345	Very sticky clay
345	345	Tight sandy clay

No definite water courses, the more sandy clay exposed the more water was made.

STATE OF MONTANA
COUNTY OF SILVER BOW, } ss.
I hereby certify that the within instrument was filed at my office on the 25th day of May, A. D. 1951, at 4:45 minutes past 4 o'clock P. M.
Attest my hand:
WILLIAM T. HICKS, Clerk of the County of Silver Bow, Montana.
W. T. Hicks

016028

Dup. of
1941 Form
(Ind.)

No. 5 Well

T. 3N R. 9W

County Silver Bow

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

	X	

Owner Victor Chemical Works Address Silver Bow, Montana

Driller Price & Lindsey Address Clancy, Montana

Date Started Date Completed August 1954

Location: Sec. 23 T. 39 R. 9W 1/4 sec. North East

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other:

Casing: 0 ft. to 303 ft. Type Welded Size 10"

Casing: ft. to ft. Type a Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 80 to ft. 290 Ft. to ft.

Type of screen or perforations 4-1/4" slits per foot

Static Water level, for non-flowing well: 16 feet

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

Pumping water level: 62 feet at 350 gal. per min.

How tested: Pump

Length of test:

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	8	Top soil, sand, some clay
8	20	Sticky gray clay
20	35	Shallow stratas of sticky and sandy brown clay
35	85	Sandy brown clay
85	100	Sticky clay
100	130	Alternate stratas of sticky and sandy clay
130	150	Very sticky clay
150	160	Sandy clay
160	175	Alternate shallow stratas of sticky and sandy clay
175	180	Sticky clay
180	225	Sandy clay
225	230	Very sticky clay
230	241	Tight sandy clay
241	245	Very sticky fat clay
245	293	Alternate shallow stratas of firm sandy clay and sticky clay
293	302	Fine sandy silt
302	335	Sandy clay
335	345	Very sticky clay
345	350	Tight sandy clay

No definite water courses, the more sandy clay exposed the more water was made.

#245698

49 April, 4 13p

Margaret Pond

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

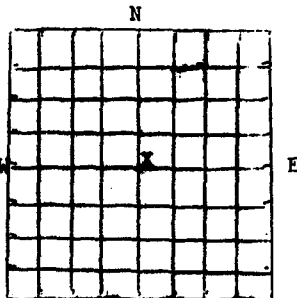
RECEIVED
JUN 19 1963

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

STATE ENGINEER

Stauffer Chemical Company

1. Victor Chemical Division, of Silver Bow, Montana
(Name of Appropriator) (Address) (Town)
County of Silver Bow, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec 29 T 38 R 9W
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.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been May 1915, continuous.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 120 gal./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
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Multi-stage deep well bottom pump.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Completed August 1958.
8. The depth of water table 20 feet below surface.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater See attached sheets.
10. The estimated amount of groundwater withdrawn each year 200,000,000 gal.
11. The log of formations encountered in the drilling of each well if available See attached sheets.
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 See attached sheets.

Signature of Owner STAUFFER CHEMICAL COMPANY
Victor Chemical Division

By-Date H. F. Johnson - Mgr.

STATE OF MONTANA
COUNTY OF SILVER BOW

ss H. F. Johnson, Mgr.

Stauffer Chemical Company having first been duly sworn,
depose and say that he of Montana age and Stauffer Chemical Company
the appropriator and claimant of the order and water right mentioned in the
foregoing declaration of vested groundwater rights and the person whose name is
subscribed thereto, as the appropriator and claimant, that he know
the contents of said foregoing notice and that the matters and things therein stated are
true.

STAUFFER CHEMICAL COMPANY
Victor Chemical Division

By H. F. Johnson - Mgr.

Subscribed and sworn to before me, this 3rd day of April, 1963

Notary public for the State of Montana, residing at Butte, Montana Commission expires 1/11/65

J. E. Curran III

4678

Dup of
1941 Form
(Ind)

No. 6 Well

T. 3N R. 9W

County Silver Bow

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

	X	

Owner Victor Chemical Works Address Silver Bow, Montana

Driller Price & Lindsey Address Glancy, Montana

Date Started Date Completed September 1954

Location: Sec. 23 T. 3N R. 9W 1/4 sec. South West

Type of well Drilled (Dig, driven, bored, or drilled) Equipment used Rotary (Cable drill, rotary, other)

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

Casing: 0 ft. to 225 ft. Type Welded Size 10"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or screened: Ft. 90 to ft. 200 Ft. to ft.

Type of screen or perforations 1/4" slots per foot

Static Water level, for non-flowing well: 19.5 feet

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

Pumping water level 20.5 feet at 390 gal. per min.

How tested: Pump

Length of test

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

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	2	Soil and sand
2	10	Clay, some sand
10	50	Very sandy clay, some silt
50	90	Sandy clay
90	120	Chert-like material with sand, some clay
120	130	Sandy clay
130	135	Very silty sand with some clay
135	165	Tight fine sand, very clean
165	180	Alternate stratas of tight and loose medium sand
180	185	Chert-like material, some sand
185	190	Brown clay with some chert, some sand
190	215	Alternate stratas of firm and tight chert, some coarse sand
215	225	Brown sticky clay
225	230	Brown firm sandy clay

Definite water course from 185' - 200', bailer test
at 60 g.p.m. no drawdown.

#245699

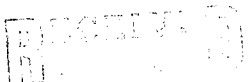
50 April, 1967

Margaret Bond

No. 6 Well

T. 3N R. 9W

County Silver Bow



STAMPED MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

	X	

Owner Victor Chemical Works Address Silver Bow, Montana

Driller Price & Lindsey Address Clancy, Montana

Date Started Date Completed September 1954

Location: Sec. 23 T. 3N R. 9W 1/4 sec. South West

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

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

Casing: 0 ft. to 22.5 ft. Type Welded Size 10"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 90 to ft. 200 Ft. to ft.

Type of screen or perforations 4-1/4" slits per foot

Static Water level, for non-flowing well 19.5 feet.

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

Pumping water level 20.5 feet at 350 gal. per min.

How tested: Pump

Length of test:

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

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	2	Soil and sand
2	10	Clay, some sand
10	50	Very sandy clay, some silt
50	90	Sandy clay
90	120	Chert-like material with sand, some clay
120	130	Sandy clay
130	135	Very silty sand with some clay
135	165	Tight fine sand, very clean
165	180	Alternate stratas of tight and loose medium sand
180	185	Chert-like material, some sand
185	190	Brown clay with some chert, some sand
190	215	Alternate stratas of firm and tight chert, some coarse sand
215	225	Brown sticky clay
225	230	Brown firm sandy clay

Definite water course from 185' - 200', bailer test
60 g.p.m. no drawdown.

STATE OF MONTANA,
COUNTY OF SILVER BOW, 1st

I hereby certify that the within instrument
was filed as my office on the 5th day of
April 1928 at 11 A. M. at
Silver Bow, Montana.

Witness my hand:

WILLIAM T. WICKHAM

County Clerk and Ex-Officio

By *W. T. Wickham* Dep.

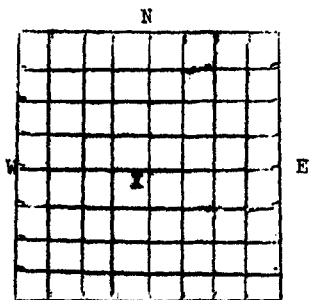
5160 20

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

County Silver Bow
RECEIVED
JUN 19 1963
STATE ENGINEER

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

1. Stauffer Chemical Company, of Silver Bow, Montana
(Name of Appropriator) (Address) (Town)
County of Silver Bow, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec 20, T. 1 N. R. 30 E.
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.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
May 1955, continuous.
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
450 Gal./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
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Hand pump deep well located near
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Completed September 1954.
8. The depth of water table 20 feet below surface.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
See attached sheets.
10. The estimated amount of groundwater withdrawn each year 200,000,000 Gal.
11. The log of formations encountered in the drilling of each well if available
See attached sheets.
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
See attached sheets.

Signature of Owner STAUFFER CHEMICAL COMPANY
Victor Chemical Division

By V. F. Johnson Date 4/1/63

STATE OF MONTANA)
COUNTY OF SILVER BOW) ss M. F. Johnson, Mgr.,
Stauffer Chemical Company having first been duly sworn,
Victor Chemical Division depose and say that he is of lawful age and Stauffer Chemical Company the appropriator and claimant of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person whose name subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Stauffer Chemical Company
Victor Chemical Division

By V. F. Johnson

Subscribed and sworn to before me, this 2nd day of April, 1963

Notary public for the State of Montana, residing at Butte, Montana Commission expires 1/11/65

J. F. Curran 4677

CW 3

RECEIVED

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

File No. _____

OCT 21 1971

T. 3N R. 9W

DUPLICATE

County Silver Bow

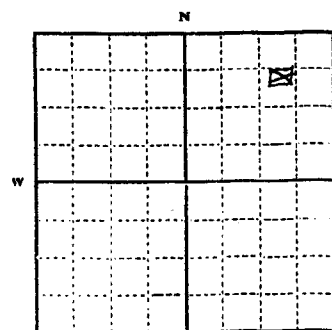
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

Doc. No. 306175
Filed for record
this 5 day of October
A. D. 19 71, at 3:48
o'clock P. M.



NE 1/4 NE Sec. 24 T. 3N R. 9W

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

Date of Appropriation of Groundwater Sept. 4, 1964

Owner Tom Helehan Address For Hotel

Contractor (if any) None

Address of Contractor None

Date Started None Date Completed None

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

Developed spring

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

Natural flow

3) Depth of water table Four feet

4) Use of the water Placer mining

5) Amount of groundwater claimed (in miner's inches, or gallons
per minute) 10 Miners inches

6) If used for irrigation, give number of acres and description of
land None

7) Estimate amount of water used each year

Accurate estimate uncertain depending on weather

Signature of Owner Tom Helehan

Date Oct 5, 1971

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

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

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

49265

306175

306175

18 OCT 3 9 40

Helen Roberts

Notice of Completion of Governmental Affairs

OW
File
DWP

The spring is located on the
Gavin Place, Survey No. 4819, Section
24, T3N, R9W, M.P.M. Silver Bow
County, Montana. The place of use
is adjacent to the spring.

Doc
File
this
A. I
O'C

If you desire further
information please advise.

DEC 2 1971

Tom Helihan
Fox Hotel
Butte

Row

1964
tel

none

sub-irrigation,

anal, etc.)

19

inches, or gallons

1

6) If used for irrigation, give number of acres and description of
land None

7) Estimate amount of water used each year.

Accurate estimate uncertain depending on weather

Signature of Owner Tom Helihan

Date Oct. 5, 1971

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

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

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

RECEIVED

DEC 2 1971

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

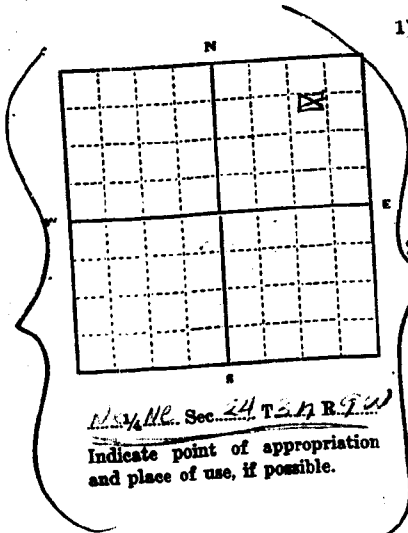
County Salt Lake

Notice of Completion of Groundwater Appropriation Without Well

Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

Doc. No. 506175
Filed for record
this 5 day of October
A. D. 19 71, at 3:48
o'clock P. M.



Date of Appropriation of Groundwater Sept. 4, 1964
Owner Tom Helehan Address For Hotel
Contractor (if any) None
Address of Contractor None
Date Started None Date Completed None

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

Developed spring

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

Natural flow

3) Depth of water table Four feet

4) Use of the water Place mining

5) Amount of groundwater claimed (in miner's inches, or gallons per minute) 10 Miner's inches

6) If used for irrigation, give number of acres and description of land None

7) Estimate amount of water used each year

Accurate estimate uncertain depending on weather

Signature of Owner Tom Helehan

Date Oct. 5, 1971

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

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

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

File No.

T. 3N R. 3W

DUPLICATE

County Silver Bow

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

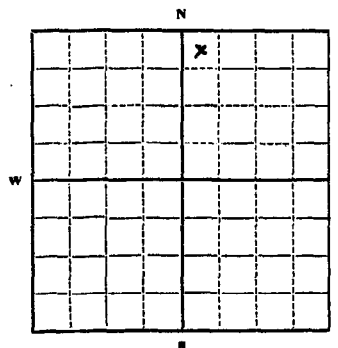
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 17 1963

STATE ENGINEER

1. Northern Pacific Railway Co., of N.P. Depot Silver Bow
(Name of Appropriator) (Address) (Town)
County of Silver Bow State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



3N 1/4 3E Sec. 34 T. 3N R. 3W

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

2. The beneficial use on which the claim is based.....
Domestic purposes

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been.....
Sept. 7, 1933 to present

4. The amount of groundwater claimed (in miner's inches or gallons
per minute).....
9 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
None

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

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater.....
Started Aug. 16, 1933 Completed Sept. 7, 1933

8. The depth of water table..... 14 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 inch drilled well, 20 feet deep

10. The estimated amount of groundwater withdrawn each year..... 100,000 gallons

11. The log of formations encountered in the drilling of each well if available..... see attached log 63-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.....

Date..... 8 53

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.

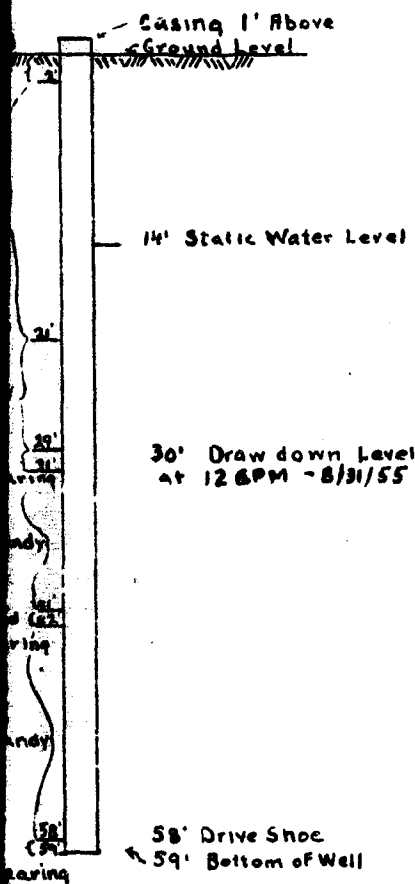
Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau
of Mines and Geology, and Quadruplicate for the Appropriator.

9733

SILVER BOW, MONT. Depot Well AFE 565-55

6" Well, 59' deep
 Drilled by E.R. Bodin N.P.R.
 Work begun 8-14-55, Completed 9-7-55

MONT 65
 Apr. 13-56
 N.P.R. Rocky Mtn. Div.



Water Analysis 8-26-55		Expressed as CaCO ₃
Calcium bicarbonate	4.9 GPG	
Magnesium " sulfate chloride	2.1 "	
Sodium carbonate bicarbonate chloride	0.3 "	
Silica	0.0 P.P.M.	
Iron	7.4	
pH	7.4	
Total dissolved solids	10.3 GPG (Actual)	

Sample From Bailor

Note: See File 1028-1 for drilling and test data.
 Office of Engineer of Water Service St Paul

