

GW 3

27

File No.....

T. 20N R. 12E

DUPLICATE

County Chouteau

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 18 1963

STATE ENGINEER

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater December 1963

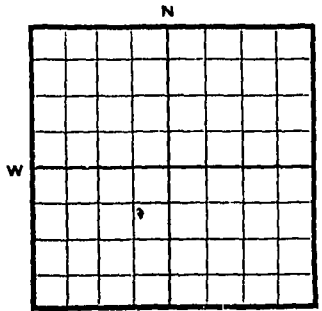
Owner Dean Strand

Address Square Butte, Montana

Contractor (if any) Fred Youderian

Address of Contractor Lewistown, Montana

Date Started Aug 12, 1959 Date Completed Aug 13, 1959



NE 1/4 Sw 1/4 Sec. 27 T20N R. 12E

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

used in section 27

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. one spring dug out with a d rag line and piped to a tank eight foot deep

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

30 gallon per minute 30 gallon increase
timed with a 5 gallon bucket

Signature of Owner Dean Strand

Date December 10, 1963

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

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

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

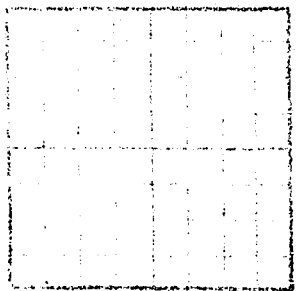
Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

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346 364
STATE OF MONTANA,
COUNTY OF CHOCTEAU.
Filed December 16 1963
at 11:30 o'clock A.M.
George W. Hasney
County Clerk
James M. Adams
20

GW 3

File No.

T. 20N R. 12E

DUPLICATE

County Chouteau

DEC 18 1963

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

27

RECEIVED

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater December 1963

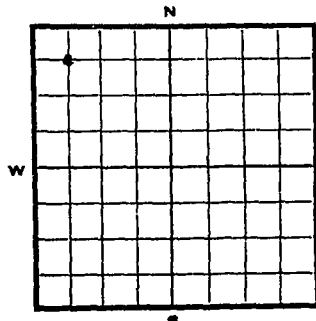
Owner Dean Strand

Address Square Butte, Montana

Contractor (if any) Fred Youderian

Address of Contractor Lewistown, Montana

Date Started Aug 13, 1959 Date Completed Aug 14, 1959



NW 1/4, NW 1/4 Sec. 22, T. 20N R. 12E

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

used in section 27

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. one spring dug out with drag

line and piped to a tank

six foot deep

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

12 gallon per minute 8 gallon per minute increase

timed with a 5 gallon bucket

Signature of Owner Dean Strand

Date December 10, 1963

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

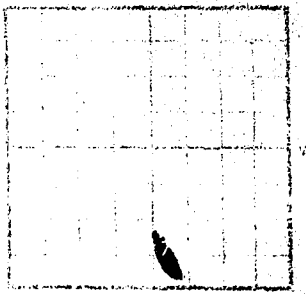
Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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

9974

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Second block of faint, illegible text, continuing the document's content.

Third block of faint, illegible text, possibly a signature or official statement.

Fourth block of faint, illegible text.

Fifth block of faint, illegible text.

Sixth block of faint, illegible text.

Seventh block of faint, illegible text.

#346365
STATE OF MONTANA
COUNTY OF CHOUTEAU
Filed December 16 1953
11:30 a'clock
George W. Harvey
County Clerk
James M. Harvey
200

GW 3

File No.

T. 20N R. 12E

DUPLICATE

County... Chouteau

27

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 18 1963

STATE ENGINEER

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater December 1963

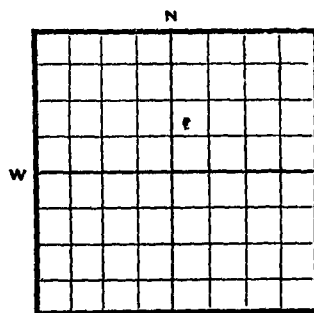
Owner Dean Strand

Address Square Butte, Montana

Contractor (if any) Fred Youderian

Address of Contractor Lewistown, Montana

Date Started Aug 12, 1963 Date Completed Aug 13, 1961



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. one spring dug out with a drag line and piped to a tank eight foot deep

SW 1/4 NE 27 Sec 27 T20N R. 12E

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

used in section 27

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use 6 gallon per minute increase 5 gallon per minute time with a 5 gallon bucket

Signature of Owner Dean Strand

Date December 10, 1963

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

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

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

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

9977

GW 3

28

File No.

T 20N R 12E

DUPLICATE

County Chouteau

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 18 1963

STATE ENGINEER

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater December 1963

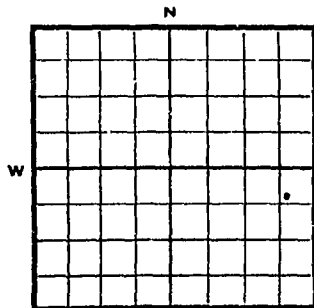
Owner Dean Strand

Address Square Butte, Montana

Contractor (if any) Fred Y nderian

Address of Contractor Lewistown, Montana

Date Started Aug 10, 1959 Date Completed Aug 11, 1959



SE 1/4 Sec. 28 T20N R12E

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

used in section 28

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth of water when applicable. one spring dug out with a drag

line and piped to a tank

six foot deep

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

15 gallons per minute increase of 15 gallon

per minute timed with a 5 gallon bucket

Signature of Owner Dean Strand

Date December 10, 1963

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

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

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

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

9971

GW 3

File No.....

T. 20N R. 12E

DUPLICATE

County Chouteau

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

78
RECEIVED
DEC 18 1963

STATE ENGINEER

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater December 1963

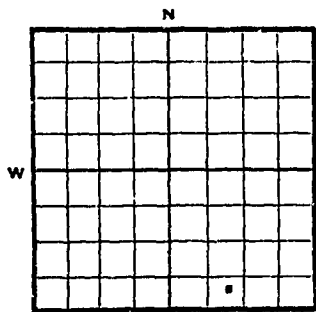
Owner Dean Strand

Address Square Butte, Montana

Contractor (if any) Fred Youderian

Address of Contractor Lewistown, Montana

Date Started Aug. 11, 1959 Date Completed Aug. 12, 1959



SW 1/4 SE 1/4 Sec. 28, T. 20N R. 12E

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

used in section 28

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. one spring dug out with a drag

line and piped to a tank

five foot deep

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

10 gallon per minute increase 6 gallon

per minute timed with a 5 gallon bucket

Signature of Owner Dean Strand

Date December 10, 1963

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

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

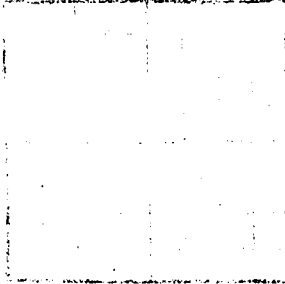
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

Order Chapter 537 Montana Revised Code 1947

This is a statement of the completion of the appropriation of groundwater without a well. The water is being used for irrigation purposes on the land described in the accompanying plat. The water is being used in accordance with the provisions of Chapter 537, Montana Revised Code 1947.



The water is being used for irrigation purposes on the land described in the accompanying plat. The water is being used in accordance with the provisions of Chapter 537, Montana Revised Code 1947.

The water is being used for irrigation purposes on the land described in the accompanying plat. The water is being used in accordance with the provisions of Chapter 537, Montana Revised Code 1947.

The water is being used for irrigation purposes on the land described in the accompanying plat. The water is being used in accordance with the provisions of Chapter 537, Montana Revised Code 1947.

The water is being used for irrigation purposes on the land described in the accompanying plat. The water is being used in accordance with the provisions of Chapter 537, Montana Revised Code 1947.

STATE OF MONTANA,
COUNTY OF CHOUTEAU.

Filed December 16 1963
at 11:30 o'clock A.M.
by George W. Harvey
County Clerk
to James M. Hanna
S. C. D.
Notary Public

GW 3

File No.....

T. 20N R. 12E

DUPLICATE

County... Chouteau

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 18 1963
STATE ENGINEER

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater December 1963

Owner Dean Strand

Address Square Butte, Montana

Contractor (if any) Fred Yonderlan

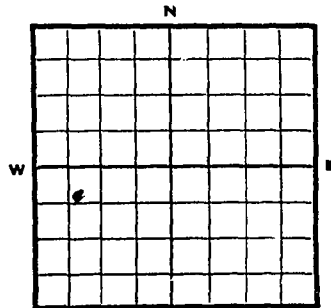
Address of Contractor Lewistown, Montana

Date Started Aug 10, 1961 Date Completed Aug 11, 1961

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. four springs dug out with a drag

line and piped to a tank

five foot deep



NW 1/4 SW 1/4 Sec. 32 T20N R.12E

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

used in section 32

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

4 gallon per minute increase 2 gallon per minute times with a 5 gallon bucket

Signature of Owner Dean Strand

Date December 10, 1963

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer, triplicate to the School of Mines and Quadruplicate for the Appropriator.

32

997⁵

GW 3

33

File No.....

T. 20N R. 12E

DUPLICATE

County..... Chouteau.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 18 1963

STATE ENGINEER

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater..... December 1963

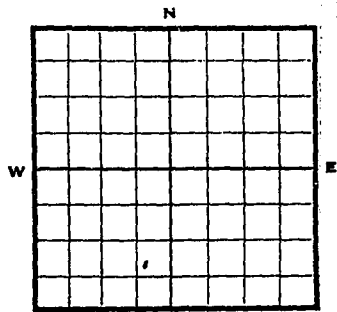
Owner..... Dean Strand

Address..... Square Butte, Montana

Contractor (if any)..... Fred Youdorian

Address of Contractor..... Lewistown, Montana

Date Started..... Aug 11, 1961 Date Completed..... Aug 12, 1961



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. one spring dug out with a drag

line and piped to a tank

four foot deep

SE 1/4 SW 22 Sec. 22 T20N R.12E

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

used in section 33

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

4 gallon per minute increase 3 gallon

per minute timed with a 5 gallon bucket

Signature of Owner..... *Dean Strand*

Date..... December 10, 1963

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

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

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

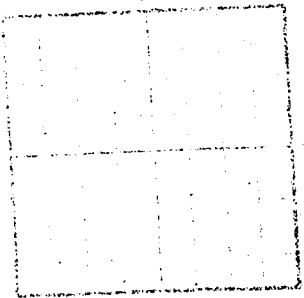
Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

9976

NOTICE OF COMPLETION OF GROUNDWATER INFORMATION WITHOUT WELL

Order (Number 255 / Groundwater Information Form 1961)

Faint, mostly illegible text in the upper left section of the document, likely containing the main body of the notice.



Faint text located to the right of the dashed box, possibly providing additional details or instructions.

Faint text in the lower left section, likely containing the signature area or final administrative details.

#346367
STATE OF MONTANA
COUNTY OF GROUPEAU
Filed December 16 1963
11:30 o'clock
George W. Hawley
County Clerk
J.M. [Signature]

File No.....

T. 20 N. R. 13 E

DUPLICATE

County CHOUTEAU

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 7 1964

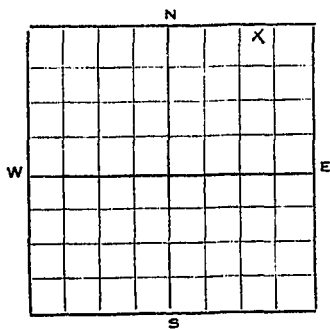
STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. ROYCE APPLIGATE, of SQUARE BUTTE
(Name of Appropriator) (Address) (Town)

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



N.E. 1/4 NE. Sec. 1, T20 R13.

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 STOCK WATER.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1928.

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1928.

8. The depth of water table 20 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 30 FT. DEEP.

10. The estimated amount of groundwater withdrawn each year 20,000 GALLONS.

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 Royce Appligate

Date 12-26-63

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 School of Mines and Quadruplicate for the Appropriator.

(Town)

(Address)

(Name of Applicant)

State of Montana, County of Chouteau, have appropriated groundwaters according to the priorities in effect prior to January 1, 1963, as follows:

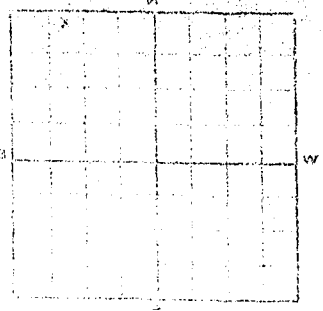
1. The amount of water to be appropriated shall be as follows:

2. The amount of water to be appropriated shall be as follows:

3. The amount of water to be appropriated shall be as follows:

4. The amount of water to be appropriated shall be as follows:

5. The amount of water to be appropriated shall be as follows:



The amount of water to be appropriated shall be as follows:

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6. The amount of water to be appropriated shall be as follows:

7. The amount of water to be appropriated shall be as follows:

8. The amount of water to be appropriated shall be as follows:

9. The amount of water to be appropriated shall be as follows:

10. The amount of water to be appropriated shall be as follows:

11. The amount of water to be appropriated shall be as follows:

12. The amount of water to be appropriated shall be as follows:

13. The amount of water to be appropriated shall be as follows:

14. The amount of water to be appropriated shall be as follows:

15. The amount of water to be appropriated shall be as follows:

84696!

STATE OF MONTANA,
COUNTY OF CHOUTEAU, ^{1st}

DEC 31 1963

Filed _____ 19__

at \$ 8.00 ^{of/ok} BY

George L. ...
County Clerk

by _____ Deput

for \$ 2.00 Paid

File No.

T. 20 N. R. 13 E

DUPLICATE

County CHOUTEAU

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 7 1964

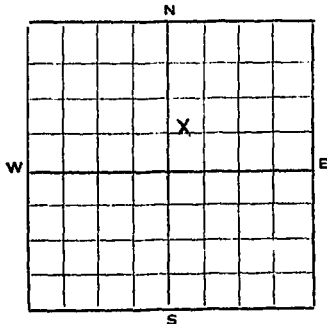
DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. LEOTA APPLIGATE, of SQUARE BUTTE
(Name of Appropriator) (Address) (Town)

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



S.W. 1/4 NE Sec. 2 T20 R13

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 STOCK WATER AND HOUSEHOLD USE

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1927 CONTINUOUS USE SINCE COMPLETION

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1927

8. The depth of water table 20 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 200 FT DEEP

10. The estimated amount of groundwater withdrawn each year 20,000

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 [Signature]

Date 12-26-63

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 School of Mines and Quadruplicate for the Appropriator.

(Town)

(Address)

(Name of Applicant)

State of MISSISSIPPI

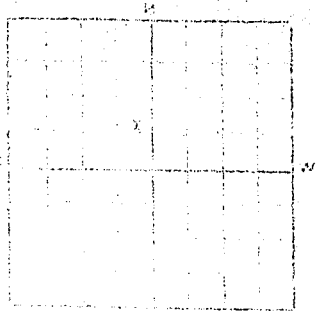
County of ...

have appropriated groundwater according to the provisions in effect prior to January 1, 1965 as follows:

1. The location of the well or wells to be drilled, the depth of the well or wells, and the estimated yield of the well or wells.

2. The location of the well or wells to be drilled, the depth of the well or wells, and the estimated yield of the well or wells.

3. The location of the well or wells to be drilled, the depth of the well or wells, and the estimated yield of the well or wells.



Section 1
 Section 2
 Section 3
 Section 4
 Section 5
 Section 6
 Section 7
 Section 8
 Section 9
 Section 10

4. The location of the well or wells to be drilled, the depth of the well or wells, and the estimated yield of the well or wells.

5. The location of the well or wells to be drilled, the depth of the well or wells, and the estimated yield of the well or wells.

6. The location of the well or wells to be drilled, the depth of the well or wells, and the estimated yield of the well or wells.

7. The location of the well or wells to be drilled, the depth of the well or wells, and the estimated yield of the well or wells.

8. The location of the well or wells to be drilled, the depth of the well or wells, and the estimated yield of the well or wells.

9. The location of the well or wells to be drilled, the depth of the well or wells, and the estimated yield of the well or wells.

10. The location of the well or wells to be drilled, the depth of the well or wells, and the estimated yield of the well or wells.

11. The location of the well or wells to be drilled, the depth of the well or wells, and the estimated yield of the well or wells.

12. The location of the well or wells to be drilled, the depth of the well or wells, and the estimated yield of the well or wells.

13. The location of the well or wells to be drilled, the depth of the well or wells, and the estimated yield of the well or wells.

14. The location of the well or wells to be drilled, the depth of the well or wells, and the estimated yield of the well or wells.

15. The location of the well or wells to be drilled, the depth of the well or wells, and the estimated yield of the well or wells.

346959
 STATE OF MISSISSIPPI
 COUNTY OF ...
 DEC 31 1963
 Filed _____
 at 8:00 o'clock
 By _____ County Clerk
 Fee \$ 2.00

Form No. 18
8-60

T. 20N R. 13E

County Chouteau

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
STATE ENGINEER

Water Well Log

Owner Dean Strand Address Square Butte, Montana

Driller O. C. Thatcher Address Stanford, Montana

Date Started June 18, 1961 Date Completed Aug 2, 1961

Location: Sec. 5 T. 20N R. 13 $\frac{1}{4}$ sec. NE $\frac{1}{4}$ of NE $\frac{1}{4}$

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 1240 ft. Type galv. Size 2"

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

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

Perforated or screened: Ft. 1240 to ft. 1260. Ft. _____ to ft. _____

Type of screen or perforations 2 in. pipe with cut holes

Static water level, for non-flowing well: _____ feet.

Shut-in pressure, for flowing well: 40 lb./sq. in. on: Aug 2 (date)

Pumping water level _____ feet at _____ gal. per min. 2 gal.

How tested: _____

Length of test _____

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

Cement 10 sacks 2 in. valve at surface shut off

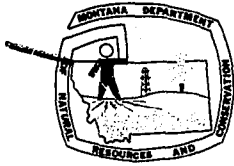
(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	27	Silt and Broken soft sandstone
27	38	Broken sandstone
38	43	Firm sandstone
43	345	Hard sandy layers and blue shale, showing of gas
345	625	Blue Shale
625	873	Alt. blue shale hard and soft layers
873	1045	Hard Sandy shale
1045	1135	Sandy shale to med. hard sandstone
1135	1190	Alt. sandy shale and bentonite
1190	1256	Alt. soft shale and hard sandstone
1256	1275	Grey Sandy shale
1275	1317	Hard sandy shale
1317	1480	Firm Grey shale
1480	1590	Grey hard sandy shale
1590	1680	Hard red sandy shale
1680	1792	Shale with hard sandstone
1792	1835	Hard sandstone
1835	1895	Hard sandstone and shale
1895	1920	Intermediate hard sandstone and shale
1920	1969	Hard sandstone to med. hard
1969	1990	Hard sandstone
1990	1990	Hard sandstone

Dean Strand

7



MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

THOMAS L. JUDGE, GOVERNOR
GARY WICKS, DIRECTOR

MEMBERS OF THE BOARD
JOSEPH W. SABOL, CHAIRMAN
DEAN HANSON
RILEY OSTBY
HERBERT HUENNEKENS

449-2611
325 FULLER AVENUE
P. O. BOX 217
HELENA, MONTANA 59601



April 5, 1973

RECEIVED

APR 6 1973

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

Water Conservation Board
Water Resources Engineer
Sam W. Mitchell Building
Helena, Montana 59601

Dear Sir:

Enclosed you will find a copy of a release agreement for the utilization of a fresh water well.

Operator Webb Resources, Inc.

Lease Name Dean Strand

Well No. 7-4, Section 7, Township 20 North, Range 13 East

Yours very truly,

Donald E. Chisholm
Donald E. Chisholm
Acting Administrator

DEC/ml

cc: Mr. W. Bond
Bureau of Mines and Geology
Butte, Montana 59701

PRINTED ON 100% RECLAIMED PAPER

William W. Hickey Address: *1111 1st Ave S Helena, MT*

APPROVED BY:

Board of Oil and Gas Conservation

Donald E. Chisholm
Petroleum Engineer, Geologist, or Administrator

Dated: *April 5 - 73*, 19

521832



7

BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA

RELEASE AGREEMENT

KNOW ALL MEN BY THESE PRESENTS, that I, Dean Strand of the County of Chouteau

in the State of Montana, am the owner of the hereinafter described land upon which a well for oil or gas was drilled, to-wit:

Operator Webb Resources, Inc.

Lease Name Dean Strand

Well No. 7-4 Sec. 7, Twp. 20N, Rge. 13E

The well is located 340' feet S of the north line and 740' feet W of the West line.

That, in accordance with Regulation 233.6, Order No. 1-1, November 30, 1953, I do hereby notify the Board of Oil and Gas Conservation of the State of Montana of my desire to utilize said well as a fresh water well; and, that if such utilization is approved, I do hereby release and discharge the operator hereinabove named from all further work or responsibility in relation to the plugging of said well.

Water Use: Domestic Municipal Stock X Other
Industrial Drainage Irrigation

Producing Depth 2292 - 2302 Producing Formation Sunburst

Yield of well 7 gal per min. Annual Withdrawal flowing

WITNESS my hand and seal this 3 day of April, 1973.

Dean Strand (U.S.)
Landowner
Address Rt 1 Fort Benton
Montana

IN THE PRESENCE OF:
Paul McGowan Address Leadville, Mont.
James D. King Address Leadville, Montana

APPROVED BY:
Board of Oil and Gas Conservation
Donald E. Alschuler
Petroleum Engineer, Geologist, or Administrator

Dated: April 5-73, 19 .

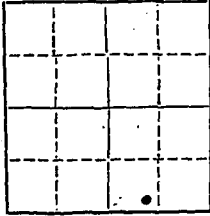
10

T. _____ R. _____
County Chouteau

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JUL 27 1959

WATER WELL LOG



STATE ENGINEER

Owner Dean Strand Address Spokane, Butte, Mont
Driller C. C. Holder Address Stanford, Mont
Date Started July 20, 1959 Date Completed July 28, 1959
Location: Sec. 10 T. 20 N R. 13 E 1/4 sec. SW 1/4 SE

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 1245 ft. Type Galvanized pipe Size 2 inch

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

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

Perforated or Screened: Ft. 1045 to ft. 1245 Ft. _____ to ft. _____

Type of screen or perforations slotted

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

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

Pumping water level _____ feet at _____ gal. per min.

How tested: _____

Length of test _____

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

pipe cemented with 10 sacks of cement

(over)

File No. _____
DUPLICATE

*No Finding Data?
Location?*

RECEIVED
MAY 20 1964

T. 20 R. 13
County *Chouteau*

RECEIVED
APR 2 1964

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

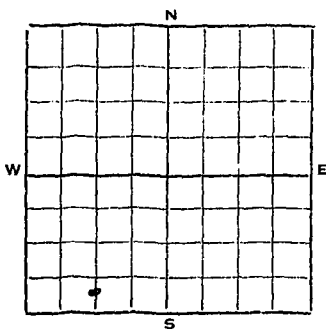
STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. *George Szazec*, of *Square Butte*
(Name of Appropriator) (Address) (Town)

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



S.W. 1/4 Sec. 18 T. 20 R. 13

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

2. The beneficial use on which the claim is based *Livestock*

3. Date or approximate date of earliest beneficial use; and how continuous the use has been *May 10, 1950*
continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) *1 gallon 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 *Artesian*

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater *May 10, 1950*

8. The depth of water table *1000 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 *Artesian 2" 100'*

10. The estimated amount of groundwater withdrawn each year *237,000 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.

Signature of Owner *George Szazec*
Date *3-3-64*

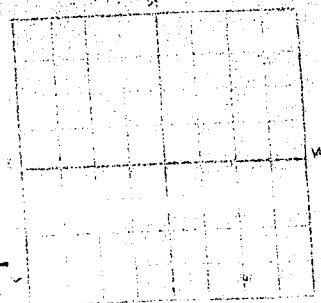
Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

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

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

35530

County of Chouteau, Montana
 State of Montana
 I, the undersigned, being a duly qualified and licensed Surveyor in and for the County of Chouteau, State of Montana, do hereby certify that the above and foregoing is a true and correct copy of the original plat of the same as the same appears in my office, and that the same is a true and correct copy of the original plat of the same as the same appears in my office.



3. The horizontal line on which the claim is based
 4. Date of approximate date of original beneficial use, and how long
 5. The amount of ground claimed in acres or fractions thereof
 6. The name of the person or persons who made the claim, and the date of the same
 7. The name of the person or persons who made the claim, and the date of the same
 8. The name of the person or persons who made the claim, and the date of the same
 9. The name of the person or persons who made the claim, and the date of the same

348 181

STATE OF MONTANA,
 COUNTY OF CHOUTEAU,
 Filed Apr. 28 1964 19
 at 9:00 o'clock A.M.
 By George W. Harvey
 County Clerk
 By James M. Harris Deput.
 Fee \$ 2.00 Paid

Form No. 18
8-60

T. 20N R. 13E

County Chouteau

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

Water Well Log

STATE ENGINEER

Owner Dean Strand Address Square Butte, Mont.

Driller G. G. Thatcher Address Stanford, Montana

Date Started Dec. 1959 Date Completed May 1960

Location: Sec. 20 T. 20N R. 13E $\frac{1}{4}$ sec. NE $\frac{1}{4}$ of SW $\frac{1}{4}$

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 1800 ft. Type galv Size 2 in.

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

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

Perforated or screened: Ft. 1800 to ft. 1834 . Ft. _____ to ft. _____

Type of screen or perforations 2 in. pipe with cut holes

Static water level, for non-flowing well: _____ feet.

Shut-in pressure, for flowing well: 30 lb./sq. in. on: May 1960
(date)

Pumping water level _____ feet at _____ gal. (min) min. 30

How tested: _____

Length of test _____

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

Cemented 10 packers cement. Two inch shut off valve 7 ft. below ground level.

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	210	Overburden
210	285	Blue shale
285	392	Layers of blue shale and black slaty sandstone
392	425	Blue shale
425	615	Layers of blue and brown shale with layers of black slaty sandstone and bentonite
615	985	Blue sandy shale
985	1175	Blue shale with streaks sandstone and bentonite
1175	1243	Sandstone with few shale layers - 1 gal water per min.
1243	1362	Alt. layers of sandstone and sandy blue shale
1362	1450	Blue shale
1450	1510	Grey shale very soft and muddy
1510	1523	Hard green sandstone with layers green shale
1523	1550	Grey shale
1550	1565	Red shale
1565	1570	Sandstone
1570	1665	Red shale
1665	1673	Sandstone
1673	1701	Red shale
1701	1756	Layers of sandstone and soft muddy red shale
1756	1810	Hard and med hard sandstone
1810	1827	Soft coarse grained sandstone 30 gal water per min
1827	1834	Hard sandstone

Form No. 18
8-60

T. 20N R. 13E

County Chouteau

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
STATE ENGINEER

Water Well Log

Owner Dean Strand Address Square Butte, Mont

Driller _____ Address _____

Date Started _____ Date Completed _____

Location: Sec. 27 T. 20N R. 13E $\frac{1}{4}$ sec. SE $\frac{1}{4}$ NE $\frac{1}{4}$

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: 0 ft. to 1200 ft. Type galv Size 2 in

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

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

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

Type of screen or perforations _____

Static water level, for non-flowing well: _____ feet.

Shut-in pressure, for flowing well: 20 lb./sq. in. on: _____ (date)

Pumping water level _____ feet at _____ gal. per min. 5

How tested: _____

Length of test _____

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

(over)

GW 3

File No.

DUPLICATE

T. 20 N. R. 14 E

County C. H. O. U. T. E. A. U.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CONTROL
OFFICE OF STATE ENGINEER

RECEIVED
JAN 7 1964

STATE ENGINEER

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater ROY 1958

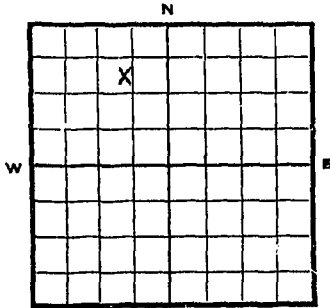
Owner ROYCE APPLGATE

Address S. QUARE BUTTE MANZANA

Contractor (if any)

Address of Contractor

Date Started S.E.P.T. 1 1958 Date Completed S.E.P.T. 10 1958



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

NE 1/4 NW Sec 5 T. 20 R. 14

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use 14 GALLONS

P.E.P. HOUR

Signature of Owner Royce Applgate

Date 12-26-63

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

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

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

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

GW 3

File No.....

DUPLICATE

T. 19N R. 9E

County Chouteau

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1944

Owner Fay Lucas

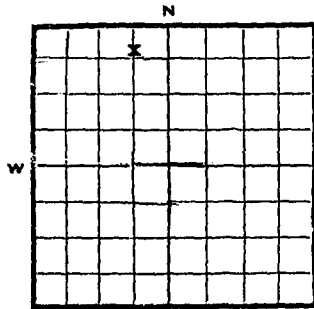
Address Highwood, Mt. 59450

Contractor (if any) none

Address of Contractor none

Date Started 1944 Date Completed 1944

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



NE 1/4 NW Sec. 4 T19N R. 9E

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

3-11-44
6-29-73
4:00 p.m.

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

stock water. 5 gal per minute

June -November each year

Signature of Owner Fay Lucas

Date June 29, 1973

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

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

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

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

56235

