

DOC. NO. 127071

WATER WELL LOG FILE NO. 320

LEONARD PAWLOWSKI

TO

THE PUBLIC

STATE OF MONTANA)

COUNTY OF McCONE)

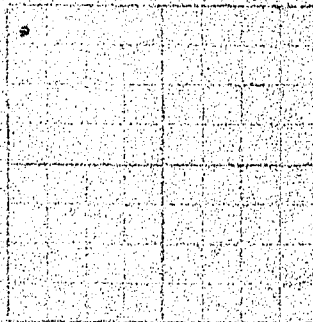
OFFICE OF COUNTY CLERK & RECORDER

Filed this 27th day of Dec. 1963, A.D.

at 8:35 o'clock a.m.

COUNTY CLERK

FEE \$ 2.00



103-2-15-14

103-2-15-14

103-2-15-14

103-2-15-14

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103-2-15-14

103-2-15-14

103-2-15-14

103-2-15-14

103-2-15-14

File No. 315T. 22 N. 44 E.

DUPLICATE

County McCone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

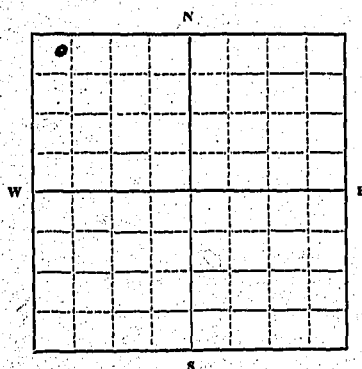
RECEIVED
JAN 16 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Leonard Pawlowski, of Circle
(Name of Appropriator) (Address) (Town)
County of McCone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.W. 1/4 Sec. 35 T. 22 N. R. 44 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 Household

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1958 Continuous

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

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

None

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

by Hand

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1958

8. The depth of water table 50 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

None

10. The estimated amount of groundwater withdrawn each year 2000 gpm

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

Not available

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

None

Signature of Owner Leonard Pawlowski

Date 12-23-63

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

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

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

36286

DOC. NO. 127066

WATER WELL LOG FILE NO. 315

LEONARD PAWLOWSKI

TO

THE PUBLIC

STATE OF MONTANA)

COUNTY OF McCONE) SS.

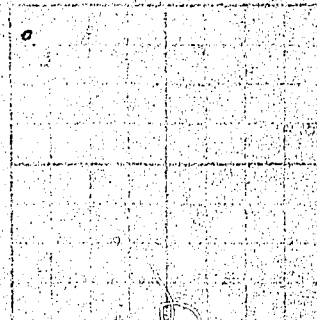
OFFICE OF COUNTY CLERK & RECORDER

Filed this 27th, day of December 1963, A.D.

at 8:10 o'clock a.m.

COUNTY CLERK

FEE \$ 2.00



AM. 11/22/63

noted in index section
attached to well log
by attorney's name here

JP HENRIC

noted in index section
attached to well log
by attorney's name here

File No. _____

T 22 R 44 36

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 3 1964

Notice of Completion of STATE ENGINEER Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Wilmer Pawlowski Address Circle, MontanaDriller Daniel G. Haggerty Address Lindsay, Montana

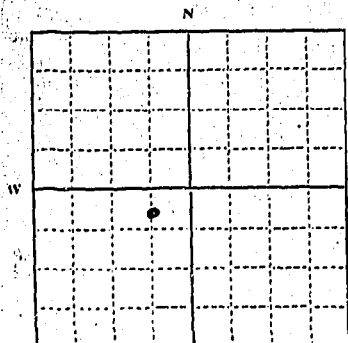
Date of Notice of Appropriation of Groundwater _____

Date well started 10/29/64 Date Completed 10/31/64Type of well drilled Equipment Used churn drill
(dug, driven, bored or drilled) (Churn, drill, rotary or other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☒

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
50"	5"	0	54	1/8" slots	49	54

0 Top of Ground
(Elev. above sea level _____)
yellow clay
26 rock
28
yellow clay
(4-water level)
50---water bearing
52 grey sand
54 coal
bottom



SW 1/4 Sec. 36 T. 22 R. 44
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 10 feet.Shut-in Pressure for Flowing Well not applicablePumping Water Level 52 feet at 5 gal. per minute.Discharge in gal. per min. of flowing well not applicableHow Tested bailed and pumped 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) _____

none

13
Driller's License Number

Daniel G. Haggerty
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.

38743

128587

Water Well Log #615.

State of Montana } ss.
County of McCone }

Office of Clerk and Recorder.

Filed this 23rd day of

November A. D. 1964

at 2:45 o'clock P. M.

Harry E. Pyle
Clerk and Recorder

By *Charles H. Korman*
Deputy

Fee \$2.00

GROUNDWATER INDEX

Page of

County McCone

Twp. 22N

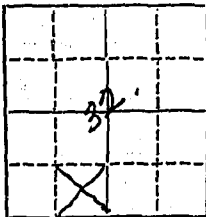
Rge. 45E

[illegible]

T. 22 R. 45 22
County. McCONE

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG - undeveloped



Owner. BLM Address.
Driller. DANIEL G. HAGGERTY Address. LINDSAY MONT
Date Started. NOV-18-1960 Date Completed. NOV-22-1960
Location: Sec. 22 T. 22 R. 45 1/4 sec. SE 1/4 of SW 1/4

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

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

Casing: ft. to ft. Type. Size.

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: lb./sq. in. on: (date)

Pumping water level: feet at gal. per min. ✓

How tested: Bailed

Length of test: 1 HR

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

(over)

Log of Well

[illegible]



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
District Grazing Office
Miles City, Montana

IN REPLY REFER TO:

November 25, 1960

State Engineering Department
Helena, Montana

Dear Sir:

Attached hereto is a copy of the Water Well Log drilled in McCone County. As is shown on this log the well was drilled to a depth of 200' and hole abandoned.

Very truly yours,

Don C. Mellgren
Don C. Mellgren
Acting District Manager

Attachment:

File No. _____

MONTANA WATER RESOURCES BOARD

T. 22 R. 45

24

DUPLICATE

RECEIVED

County: Cascade

LOG

OCT 17 1967

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
1 top soil
(Elev. above sea level _____)

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner: James R. Cattle Co. Address: Circle, Montana

Driller: Paul J. Haggerty Address: 1114 N. 1st, Helena, Montana

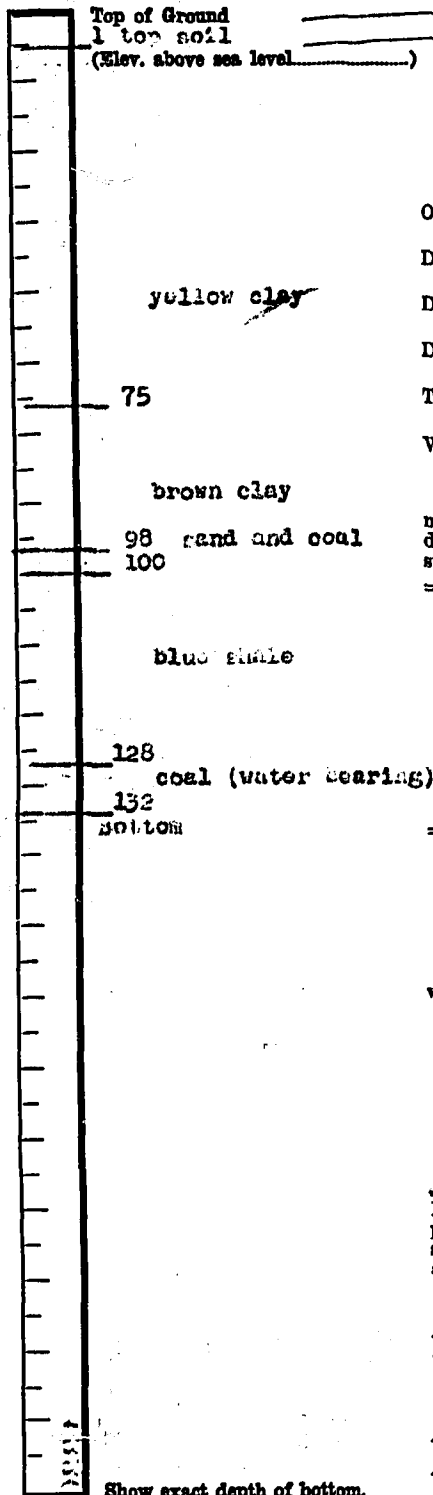
Date of Notice of appropriation of groundwater: 10/11/67

Date well started: 10/3/67 Date completed: 10/9/67

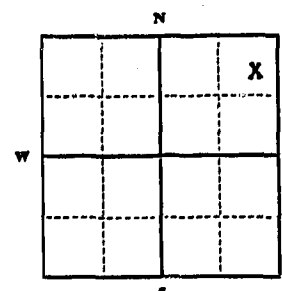
Type of well: Drilled Equipment used: churn drill
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

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

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



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	15 5/8"	+ 1	132	1/8" slots	112	132



Static Water Level for non-flowing well: 107 feet

Shut-in Pressure for Flowing Well: not applicable

Pumping Water Level: 120 feet

at 15 gal. per minute.

Discharge in gal. per min. of flowing well: not applicable

How Tested: bailed and pumped

Length of Test: 4 hrs.

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

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

casing driven in clay to shut off surface water

(Continue on reverse side)

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

not applicable

Show exact depth of bottom.

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

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

13
Driller's License Number

Driller's Signature: Paul J. Haggerty

42,404

Water Well Log #650

State of Montana
County of McCone

Office of Clerk and Recorder.

Filed this 16th day of

October 1967

at 9:00 o'clock A. M.

Gloria Brennan
Clerk and Reporter

Clerk and Repetitive

By Alice E. Haller
Deputy

Fee \$2.00

atoms was brought to a stop (the water level in the well goes up) which water is concentrated, evaporated and expanded to water vapor.

STATE WATER CONSERVATION BOARD

File No. _____

APR 28 1966

T 22N 45E 27

DUPLICATE

County McCone

Billie _____ McDermott _____
Buttern _____ McNulty _____
Coyla _____ Morton _____
Darlington _____ Sullivan _____
Dickert _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level _____)

Notice of Completion of Groundwater
Appropriation by Means of Well

Under Chapter 237, Montana Session Laws, 1961)

0-19- Clay
19-32 Sand brown sand
32-34- soft & hard coal some water
34-56- Sticky blue clay
56-61 Fine sandy clay
61-62 Hard coal total 3 1/2 ft
62-72 Clay
72-76 fine sandy clay
76-78 fine sharp sand gravel
78-80 med. hard coal little water
80-105 Blue clay
105-107 1/2 x-hard s. stone
107 1/2-131- Blue clay
131-137- Blue clay & coal
crack 2 gal
137-150 clay & coal str.

Owner Ray Drenth Address Circle, Mont.
Driller Allen water well driller Address Blondie

Date of Notice of Appropriation of Groundwater _____

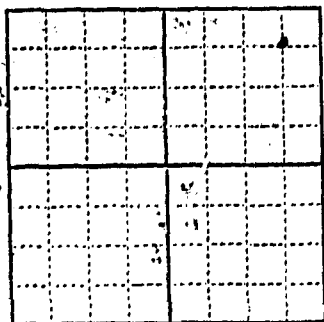
Date well started 12-10-65 Date Completed 12-10-65

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	4 1/2" x 9 5/8"	0	150	rock slot	24	34
					61	62
					72	78
					130	150



Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 30 feet.

Shut-in Pressure for flowing Well _____

Pumping Water Level 130 feet at 6 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested gauge 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) _____

Driller's License Number 61

Driller's Signature Allen water well driller

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.

131455

13145

Water Well Log #638

State of Montana }
County of McCone }

Office of Clerk and Recorder.

Filed this 27th day of

April A. D. 1966

at 1:35 o'clock P. M.

Glenn L. Brennan
Clerk and Recorder

By *Alvin E. Hallen*
Deputy

Fee \$2.00



THIS IS TO CERTIFY THAT THE ABOVE
SIGNED AND SEALED INSTRUMENT IS
A TRUE AND CORRECT COPY OF THE
ORIGINAL AS FILED IN MY OFFICE
THIS 27TH DAY OF APRIL 1966.

CLERK AND RECORDER

DEPUTY

STATE OF MONTANA

COUNTY OF MCCONE

OFFICE OF CLERK AND RECORDER

27th DAY OF APRIL 1966

AT 1:35 P. M.

FILED

131455

File No. 439T. 22 R. 45

DUPLICATE

County McCONE

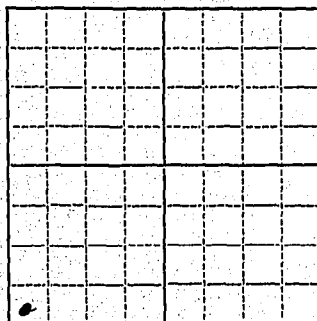
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights JAN 16 1964

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

JAMES A. TEW of CIRCLE
(Name of Appropriator) (Address) (Town)
County of McCONE State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

SW $\frac{1}{4}$ Sec 36, T. 22 R. 45

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

2. The beneficial use on which the claim is based House
AND STOCK WELL
3. Date or approximate date of earliest beneficial use; and how continuous the use has been ABOUT 1930
HAS BEEN USED STEADY
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
GARDEN AND LAWN
JAMES A. TEW
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
WINDMILL AND PUMP
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater UNKNOWN
8. The depth of water table EIGHTY FIVE 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 GALVANISED - 6 INCH CASING 100 FT.
10. The estimated amount of groundwater withdrawn each year 300,000 gals
11. The log of formations encountered in the drilling of each well if available UNKNOWN
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record NONE

Signature of Owner

Date Dec 30, 1963

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

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

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

36410

DOC. NO.

127198

WATER WELL LOG FILE NO. 439

JAMES A. TEW

TO

THE PUBLIC

STATE OF MONTANA)

COUNTY OF MCGONEGAL)

OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of Dec., 1963 A.D.

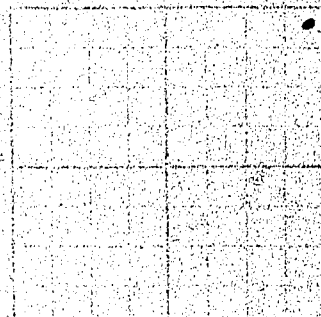
at 1:41 o'clock p.m.

FEE: \$2.00

COUNTY CLERK

RECEIVED

STATE ENGINEER



AND 2 LOCK MAIL

WAZ PERM 4264 28401 1130

James A. Tew

James A. Tew

James A. Tew

GROUNDWATER INDEX

Page 1 of 1

County McCone Twp. _____ Rge. _____

[illegible]

Country

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

AUG 19 1972

DRILLER'S LOG

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

DENNIS C. HOGAN ESTATE

Owner Mr. J. J. J. J.

Address 9201c Mont

Date well started 72

completed 5-11-22

Type of welldrilled

(Dug, driven, bored or drilled)

Equipment used Chart drill

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

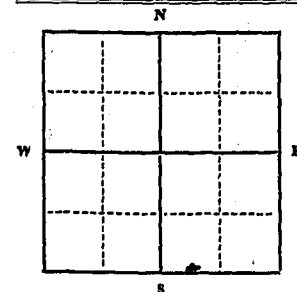
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Castings	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5"	5" 143#	0 Old 52	52 117	No	Perfs	



Static water level 65 ft.*
Pumping water level 105 ft.*
at 5 gallons per minute,
measured 20 minutes after pumping
began.

*Measured from ground level.
Well developed by filling
for 2 hours.
Power rice Pump..... HP
Remarks: (Gravel shucking, cementing,
packers, type of shutoff)
Casing driven

24 1/4 SE 1/4 Sec 6

T. ~~46~~ 22 N. (N) R. 46 E. (E)
S W

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

Driller's Signature David A. Hargrett

Driller's Address 1111 1st St. N.E.

LICENSE NO. 12

Top of Ground (Elev. above sea level) _____

[illegible]

117

Show exact depth of bottom

5,173

140063

WATER WELL LOG FILE # 717

State of Montana }
County of McCone }

Office of Clerk and Recorder.

Filed this 15th day of

August, A. D. 1972

at 1:30 o'clock P. M.

Gloria J. Brennan
Clerk and Recorder

By *Mary L. Kuebler*
Deputy

Fee \$2.00

SPEED LETTER.

FROM State Engineer
Montana Water Resources Board
Sam Mitchell Building
Helena, Montana 59601

Gloria G. Brennan
Clerk & Recorder
Circle, Montana 59215

SUBJECT

DEANIS C. HOGAN

—NO. 9 & 10 FOLD

MESSAGE

DATE August 22nd, 1972

Dear Sir:

An error has been discovered on a water well log recently sent your office.

Please make the following correction on your copy of W. W. Log File No. 717, Document

No. 110063, Dennis C. Hogan Estate: SWS of Section 6 - 22 - 16. Thank you.

Gloria G. Brennan

SIGNED Mary R. Kunkler Deputy

REPLY

DATE August 23, 1972

Thank you for informing us of the above noted change. The correction has been made on our copy.

—NO. 9 FOLD

—NO. 10 FOLD

SIGNED Ronald J. Elise
Groundwater Rights Coordinator

GW 2

File No.

610-

DUPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—2047

T. 22 R. 46

County: McCone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

OCT 22 1964

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Conrad Arnston Address: Circle, Montana

Driller: Daniel E. Haggerty Address: Lincoln, Montana

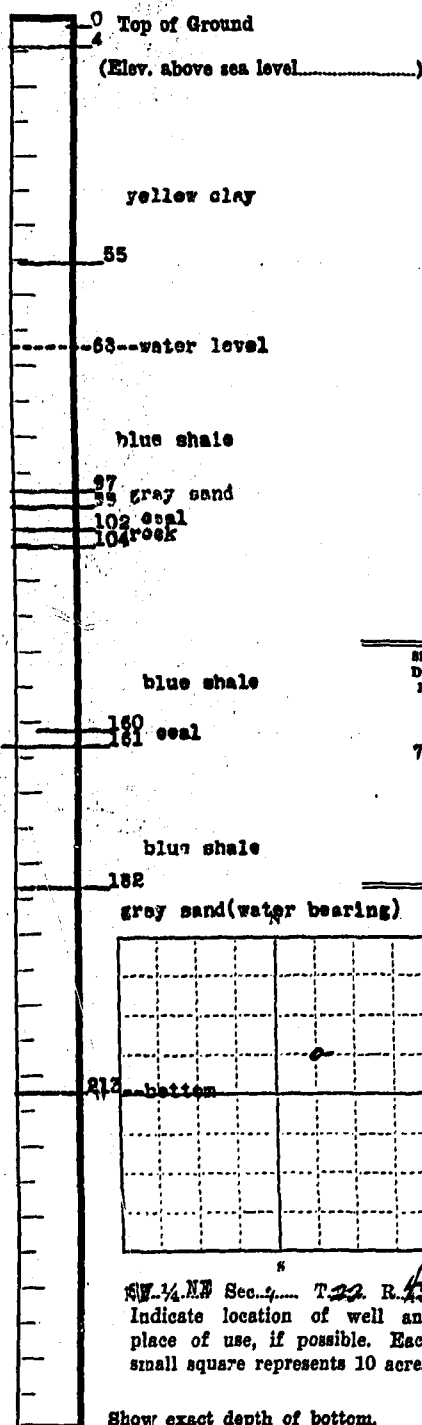
Date of Notice of Appropriation of Groundwater: _____

Date well started: 6/21/63 Date Completed: 7/1/63

Type of well: drilled (dug, driven, bored or drilled) Equipment Used: cable tool rig (Churn, drill, rotary or other)

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

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



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	6" 16#	0	213	1/8" slots	182	213

Static Water Level for non-flowing Well: 144.00 feet.

Shut-in Pressure for Flowing Well: not applicable

Pumping Water Level: 160 feet at 5 gal. per minute.

Discharge in gal. per min. of flowing well: not applicable

How Tested: 1 day Length of Test: 3 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

none

Driller's License Number 13

Driller's Signature Daniel E. Haggerty

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.

38588

128337

Water Well Log #610

State of Montana }
County of McCone }

Office of Clerk and Recorder.

Filed this 8th day of

October A. D. 1964

at 1:15 o'clock P. M.

Henry E. Ryan
Clerk and Recorder

By Deputy

Fee \$2.00

GROUNDWATER INDEX

Page . of

County McCone

Twp. 22N

Rge. 42E

[illegible]

File No. _____

T. 22N R 47E

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

RECEIVED
JUL 2 1965

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Clair Schultze Address Udla Mont.

Driller Robert Haggerty Address Udla Mont.

Date of Notice of Appropriation of Groundwater 3-5-65

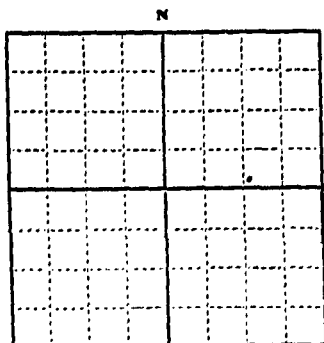
Date well started 3-2-65 Date Completed Chum Bull

Type of well Drilled Equipment Used _____
(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 1/4"	4" 10 7 1/2 lb.	0	82	4" 10 7 1/2 lb.	72'	82'



Section 1 T. 22 N. R. 47 E.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well _____ feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 78' feet at 4 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Packed Length of Test 1 hr.

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)

6 1/4" Hole Drilled 4" casing
Gravel Packed out side of casing

65

Driller's License Number

Robert W Haggerty

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 Quaduplicate for the Appropriator.

39268

129977

Water Well Log #623

State of Montana }
County of McCone }

Clerk and Recorder,
1st

July day of
1945 A. D. 1945

8:45 o'clock A. M.

Gloria Brennan
Clerk and Recorder

by *Alvin G. Nelson*
Deputy

Fee \$2.00

Form No. 18
8-60

T. 22 R. 47

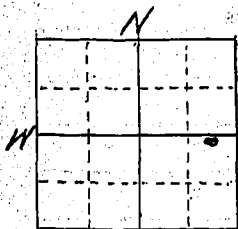
County McCone

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 4 1962

WATER WELL LOG

STATE ENGINEER



Owner Harry H Haynie Address Circle 4, Montana

Driller _____ Address _____

Date Started _____ Date Completed _____

Location: Sec. 3 T. 22 R. 47 $\frac{1}{4}$ sec. SE

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

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

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

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: _____ 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)

(over)

Log of Well

[illegible]

RECEIVED
SEP 8 1958

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 22 R. 47 S. 3
County M^cCona

WATER WELL LOG

		X	

Owner Marrige Stand Address Circle

Driller H. V. Sebring Address Circle

Date Started 7/17/58 Date Completed 7/31/58

Location: Sec. 3 T. 22 R. 47 1/4 sec. NE 1/4 NW 1/4

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

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other: _____

Casing: 0 ft. to 37 ft. Type Corrugated Size 15 in

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

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

Perforated or Screened: Ft. 19 to ft. 37 Ft. _____ to ft. _____

Type of screen or perforations Drilled

Static Water level, for non-flowing well: 19 feet.

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

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

How tested: Pumped

Length of test 12 hrs.

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

Gravel packing

(over)

Log of Well

[illegible]

File No. _____

T. 22N R. 47E

DUPLICATE

County McCone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

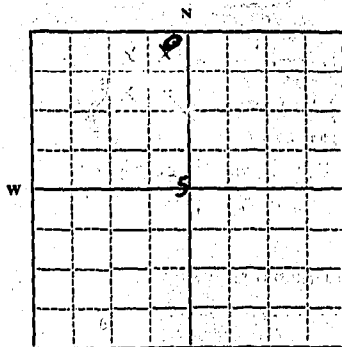
RECEIVED
NOV 12 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, Permie Nasby of Circle, Montana
(Name of Appropriator) (Address) (Town)
County of McCone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 3, also described as
NE 1/4 NW 1/4 Sec. 5 T22N R. 47E

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
watering livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 8, 1961
4. The amount of groundwater claimed (in miner's inches or gallons per minute) six gallons
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
Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 8, 1961
8. The depth of water table 200 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
10. The estimated amount of groundwater withdrawn each year 40,000 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

Permie Nasby

Date Nov. 8, 1963

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

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

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

6952

126747
Water Well Log #24
State of Montana
County of McCone
Office of Clerk and Recorder.

Filed this 8th day of
November A. D. 1963
at 1:00 o'clock P. M.

Dennis H. Dyer
Clerk and Recorder

By _____ Deputy
Fee \$2.00

Dennis H. Dyer

8th

November

63

Circle, Montana.

Oct. 17th.

64.

File No. _____

T. 22 N R 47 E

DUPLICATE

County McCone

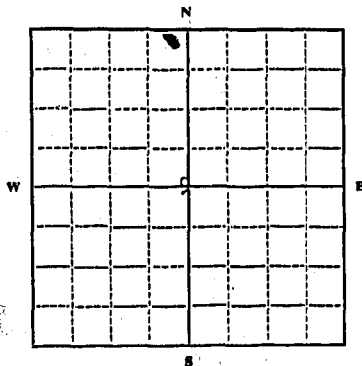
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 12 1963

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Pernie Nasby, of Circle, Montana
(Name of Appropriator) (Address) (Town)
County of McCone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 9 T. 22 R. 47

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.
watering livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
June 20, 1946
4. The amount of groundwater claimed (in miner's inches or gallons per minute) five gallons
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.
jet pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June 20, 1946
8. The depth of water table 40 to 84 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
10. The estimated amount of groundwater withdrawn each year 30,000 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

Date December 11, 1963

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

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

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

126746

State of Montana } ss.
County of McCone }
Water Well Log #244
Chief of Clerk and Recorder.

Filed this 8th day of
November A. D. 1963
at 12:55 o'clock P. M.

Dwight E. Gail
Clerk and Recorder

By _____ Deputy
Fee \$2.00

GW

Approved Stock Form—State Publishing Co., Helena, Montana—35496

File No. 563T. 22N R. 47E

DUPLICATE

County McCONE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

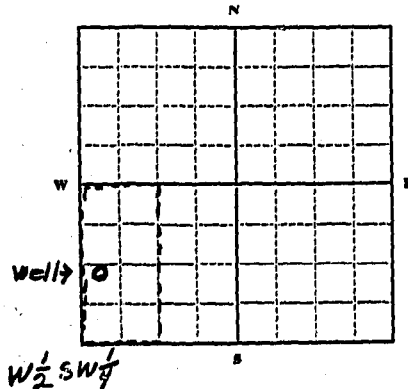
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 16 1964

STATE ENGINEER

1. Fred HAYNIE of Circle
(Name of Appropriator) (Address) (Town)

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



W 1/2 SW 1/4

1/4 Sec. 10 T. 22 R. 47

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

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

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been

4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 8 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
NA

6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal
3 horse electric submersible pump

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater approximate date well was dug 1936 to
1938.

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 The well is 60 ft deep and
has an 18 inch 3/4 casing.

10. The estimated amount of groundwater withdrawn each year 800-1000 gal per day

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

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 No record

Signature of Owner

Fred HaynieDate Dec 30, 1963

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

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

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

36535

DOC. NO. 127334

WATER WELL LOG FILE NO. 563

FRED HAYNIE

TO

THE PUBLIC

STATE OF MONTANA)
COUNTY OF McCONE)SS

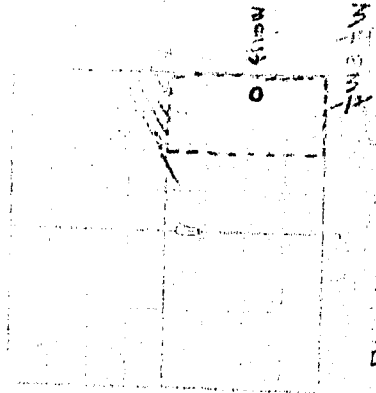
OFFICE OF COUNTY CLERK & RECORDER

Filed this 3rd day of Jan., 1964 A.D.
at 10:55 o'clock, A. M.

Dwight D. Dyer
COUNTY CLERK

FEE: \$2.00

STATE ENGINEER



8 hours per min

Police Officer

DUPLICATE

County MC Cane

JAN 20 1964

SOIL ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Elmer Rudolph of Circle
(Name of Appropriator) (Address) (Town)
County of McCone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

[illegible]

SW 4 SE
SE 1/4 SE Sec. 26 T. 22 R. 47

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 watering and household use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Well No. 1 - May, 1937 } continuous
Well No. 2 - July, 1948 }
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 2 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. windmill - well No. 1
electric pump - well No. 2
7. The date of the construction of the well, wells, or other works for withdrawal. 37 and July, 1948
8. The depth of each well or other means of withdrawal. 50 feet deep, No. 2 is 90
9. The size and depth of each well or the general specifications of any other works. 6 inch casing, 50 feet deep
6 inch casing, 90 feet deep
10. The amount of water withdrawn each year. 150,000 gallons
11. The drilling of each well if available. Not available
12. Any other facts that may be useful in carrying out the policy of this act, including any record. No. 155507-16

Signature of Owner _____

Dat

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.

33517

Doc. No. 127398

Water Well Log File No. 576.

Elmer Radolph

TO

The Public

State of Montana)
County of McCone) ss

OFFICE OF COUNTY CLERK & RECORDER

Filed this 17th day of January, 1964, A. D.

at 3:35 P. M.



County Clerk

Fee: \$2.00

GW3

File No. 562

DUPLICATE

T. 22 N R. 47 E

County McCone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 16 1964

STATE ENGINEER
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

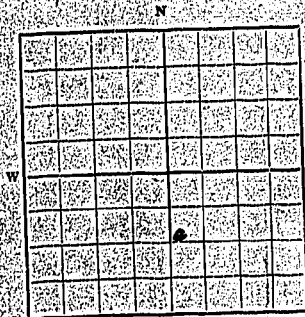
Date of Appropriation of Groundwater December 31, 1963Owner Clair Schillinger Address Wolf Point, Montana

Contractor (if any) _____

Address of Contractor _____

Date Started _____ Date Completed _____

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Nat ural spring that flows out of rocks in a creek bank.



NW 1/4 of SE 1/4 Sec. 28 T. 22 N. R. 47 E.

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.

It flows approximately five gallons per minute into a pit reservoir. It is used for watering livestock approximately eight months per year.

Signature of Owner Clair SchillingerDate Dec. 31, 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.

36534

DOC. NO. 12733

WATER WELL LOG FILE NO. 562

CLAIR J. SCHILLINGER

TO

THE PUBLIC

STATE OF MONTANA)
COUNTY OF MCCRONE) SS

OFFICE OF COUNTY CLERK & RECORDER

Filed this 3rd day of Jan., 1964 A.D.

at 10:50 o'clock, a.m.

Clair J. Schillinger
COUNTY CLERK
FEE: \$2.00

GW.

Approved Stock Form—State Publishing Co., Helena, Montana—38496

File No. 577T. 22 N. R. 47 E.

DUPLICATE

County McCone

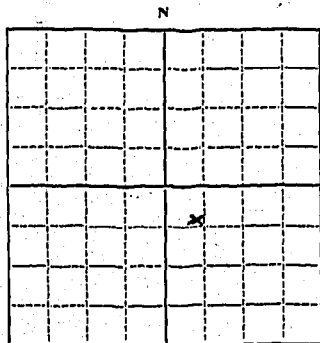
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 20 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Elmer Rudolph, of Circle,
(Name of Appropriator) (Address) (Town)
County of McCone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 35 T. 22 R. 47

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 watering
3. Date or approximate date of earliest beneficial use; and how continuous the use has been about April 1, 1953
Used continuously ever since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 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 windmill
on pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April, 1953
8. The depth of water table 60 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 casing, 100 feet deep
10. The estimated amount of groundwater withdrawn each year 80,000 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
No Record

Signature of Owner

Elmer RudolphDate Jan 15-1964

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.

33518

Doc. No.

127399

Water Well Log # 577.

Elmer Rudolph

TO

The Public

State of Montana)

County of Missoula) ss

OFFICE OF COUNTY CLERK & RECORDER

Filed this 15th day of January, 1963 A.

at 3:40 P. M.


County Clerk

Fees: \$2.00

GROUNDWATER INDEX

Page of

County McCone

TWP. 22 ✓

Page. 48 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
5	Shell Oil Co.	Well Log	119347	
5	Schilling, Clair	GW H	127331	
5	Shell Oil Co.	Well Log	123637	
6	Bjorge, Edd	GW H	125598	
6	Schilling, Clair	H — H	127329	
6	" "	H — H	127330	
8	Hisdahl, George	GW 2	127219	
10	Hunter, Howard	Well Log	123406	
10	" "	" "	123405	
10	" "	" "	123404	
15	" "	" "	123407	
15	" "	" "	123413	
17	Schilling, Clair J.	GW-H	127332	
25	Shell Oil Co.	Well Log	119345	
25	" " "	GW H	123639	
33	" " "	" H	123638	
33	" " "	Well Log	119346	
34	Hudburgh, Tom	" " 18	123378	
36	Strand, Marvin C.	GW H	127062	
36	" " "	H — H	127063	

RECEIVED
AUG 17 1959

T 22 N R 48 E
County McCona

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

	5		
0			

Owner SHELL OIL COMPANY Address P. O. Box 2547
Billings, Montana
Driller Livingston Address Winnett, Montana
Date Started January 18, 1953 Date Completed January 20, 1953
Location: Sec. 5 T 22 N R 48 E 1/4 sec. Southwest

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

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

Casing: 0 ft. to 1215 ft. Type 17" Size 6-5/8"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 1025 to ft. 1215 Ft. to ft.

Type of screen or perforations

Static Water level, for non-flowing well: 250 feet

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

Pumping water level: 380 feet at 14 gal. per min.

How tested: Bailing

Length of test: 1-1/2 hours

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

Baker basket at 1015'

(over)

Don. No. 119347
 Wa. Well Log File No. 29

Log of Well

State of Montana }
 County of McCone }

Depth, feet		Description of Material Drilled	Office of Clerk and Recorder, Filed this _____ day of _____ August _____ A. D. 19__ at _____ o'clock P. M.
From	To		
0	35	Soft tan clay	<u>14th</u> <u>12:40</u> <i>Henry E. Dyer</i> Clerk and Recorder
35	42	Extremely hard rock or shell	
42	75	Grey clay	
75	85	Dark grey sand	
	85	Dark grey clayey shale and hard shells	Fee none
240	323	Grey clay and hard shells	
323	440	Blue clay	
440	475	Blue clay	
475	490	Hard sand and shells	
490	732	Dark grey clay and blue clay with hard lime shells	
732	740	Hard lime shells and hard grey sand	
740	760	Brown sticky clay	
760	920	Brown and gray clay with some hard lime shells	
920	940	Brown and light green clay with some sand streaks	
940	960	Sandy clay	
960	982	Blue and green clay and sandy clay and hard lime shell	
982	1025	Blue, brown, green and gray sand clay, with some hard streaks	
1025	1040	Very soft sand and some clay (drilling very fast 60' per hr)	
		Top of the Fox Hills	
1040	1093	Soft sand with less clay, some hard sandy lime shells	
1093	1096	Very hard lime streak	
1096	1130	More sand with clay	
1130	1170	Sand becoming more clayey	
1170	1210	Sandy mushy clay	
1210	1215	Sticky blue shale (Top of Bear Paw)	

File No. 560

T 22 N R 48 E

DUPLICATE

County McCone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

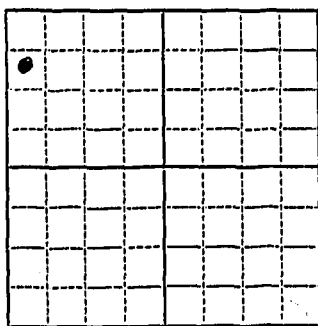
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 16 1964

STATE ENGINEER

1. Clair J. Schillinger, of Wolf Point, Montana
(Name of Appropriator) (Address) (Town)
County of McCone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NW 1/4 Sec. 5 T. 22 N. R. 48 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 stock water and home use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been approx. June of 1962

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 gallons

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 Jet pressure pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June of 1962

8. The depth of water table 76 feet and approximately 135 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 1/2 inch hole and 4 inch steel casing from 0 to 160 feet; gravel packed on outside. Perforated at 70 to 80 ft. to 130 to 140 ft.

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 0 to 45 ft. yellow clay; 45 to 130 ft. grey clay; 130 ft. to 160 ft. water sand.

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

Signature of Owner

Clair J. Schillinger
Date Dec 31, 1963

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

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

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

36532

DOC. NO. 127331

WATER WELL LOG FILE NO. 560

CLAIR J. SCHILLINGER

TO

THE PUBLIC

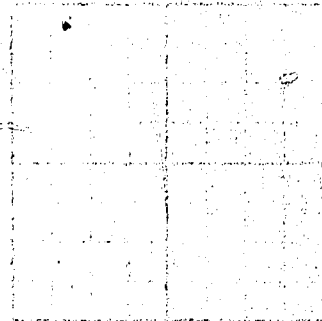
STATE OF MONTANA)
COUNTY OF McCONE)

OFFICE OF COUNTY CLERK & RECORDER

Filed this 3rd day of Jan., 1964 A.D.
at 10:40 o'clock, a.m.

Henry E. Djal
COUNTY CLERK

FEES: \$2.00



MM 4 2 3 5

ORIGINAL FILED

R. **433**

County MO CONE

RECEIVED
FEB 16 1962

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

County of Yellowstone State of Montana
have appropriated ground water according to the Montana Laws in effect prior to
January 1, 1962 as follows:

Section 5

X

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 of approximate date of earliest beneficial use; and how continuous the use has been Jan. 20, 1953
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 1/2 Gal/min
5. If used for irrigation give the acreage and description of the lands to which water has been applied and name of owner thereof
Not applicable.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Motor driven pump.
- and completion of the construction of the well, wells or of ground water Jan. 18, 1953 started. Comp. Jan 20, 1953
- 380'
7. The type, size and depth of each well or the general works for the withdrawal of groundwater
5 Perfs 1025-1215
8. Groundwater withdrawn each year *
9. Entered in the drilling of each well if available
10 1025 Bear Paw 1200
10. A similar reference as may be useful in carrying out the well reference to book and page of any county record
11 (wildcat)

Signature of Owner A. J. Jester
 Date **February 5, 1962**

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

STATE OF MONTANA

County of Yellowstone

ss

A. T. Ireson having first been duly sworn, depose and say that he is of lawful age and is the appropriator for Shell Oil Co. 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 appropriate person and claimant that he knows that the contents of said foregoing notice and that the matters and things therein stated as true.

Subscribed and sworn to before me, this 5th day of February 19 62

Margaret W. Haag
Notary Public for the State of Montana

Residing at Billings, Montana

My Commission expires March 30 19 62

By [Signature]
Fee \$ 2.00

Deputy

State and Recorder

at 12:30 o'clock P. M.

Filed this 13th day of February A. D. 19 62

Office of Clerk and Recorder

State of Montana } ss.
County of Yellowstone

THE PUBLIC

TO

SHELL OIL COMPANY

WATER WELL LOG FILE NO. 200

123637

File No. 220T. 22 N. R. 48

DUPLICATE

County McCone

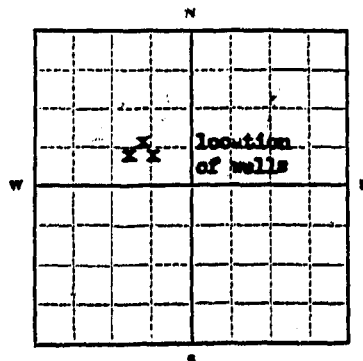
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
MAR 18 1963
STATE ENGINEER

1. Edd Bjorge, of Wolf Point, Montana
(Name of Appropriator) (Address) (Town)
County of Rosebud State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec. 6 T. 22 R. 48

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
house use, stock water, and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Started in 1912 and was dug
deeper in 1922

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.
Approximately two acres of garden and trees
Owner - Edd Bjorge

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Started in 1912 and was dug deeper in 1922

8. The depth of water table. About 20 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. All wells are 45 feet deep

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

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

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

Signature of Owner. Edd Bjorge
Edd Bjorge
Date. December 13, 1962

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

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

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

125598

WATER WELL LOG FILE NO. 220

EDD BJORGE

TO

THE PUBLIC

State of Montana } ss.
County of McCone }

Office of Clerk and Recorder.

Filed this 14th day of
March A. D. 19 63

at 4:00 o'clock P. M.

[Signature]
Clerk and Recorder
by _____ Deputy
Fee \$ 2.00

File No. 558T 22 N 48

DUPLICATE

County McCone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

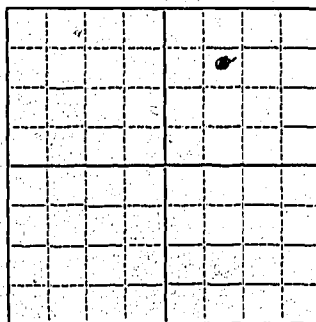
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 16 1964

STATE ENGINEER

1. Clair Schillinger of Wolf Point, Montana
(Name of Appropriator) (Address) (Town)
County of McCone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

NW 1/4 Sec. 6 T. 22 N. R. 48

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... August 2, 1957
4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 5 gallons
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...
pump and pumpjack
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... August 2, 1957
8. The depth of water table... 40 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater... Drilled; 6 1/2 inch hole; 4 inch steel casing; gravel packed on outside. Drilled and cased to 48 ft. depth. Perforated from 40 to 48 ft.
10. The estimated amount of groundwater withdrawn each year... 150,000 gallons
11. The log of formations encountered in the drilling of each well if available... 0 to 40 ft. yellow clay; 40 to 48 ft. water sand
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record... None

Signature of Owner

Date December 31, 1963

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

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

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

36530

DOC. NO.

127329

WATER WELL LOG FILE NO. 559

CLAIR J. SCHILLINGER

TO

THE PUBLIC

STATE OF MONTANA)
COUNTY OF McCONE)

OFFICE OF COUNTY CLERK & RECORDER

Filed this 3rd day of Jan., 1964 A.D.

at 10:35 o'clock, A.M.

Henry E. Sigal
COUNTY CLERK

FEE: \$2.00

CIVIL ENGINEER

GW

Approved Stock Form—State Publishing Co., Helena, Montana—38496

File No. 559T. 22 N. R. 48 E. 6

DUPLICATE

County McCone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

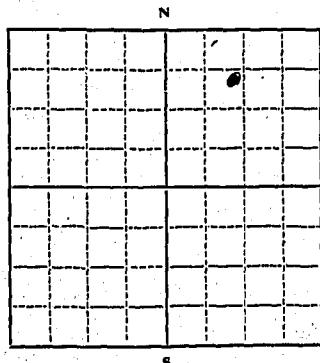
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 16 1964

STATE ENGINEER

1. Clair J. Schillinger of Wolf Point, Montana
(Name of Appropriator) (Address) (Town)
County of McCone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NE 1/4 Sec. 6 T. 22 N. R. 48 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.....
Home use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been..... April of 1950

4. The amount of groundwater claimed (in miner's inches or gallons per minute)..... 5 to 6 gallons

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.....
Jet Pressure pump

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

8. The depth of water table..... 41 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater..... Drilled hole, 6 inch steel casing from 0 to 63 feet; gravel packed on outside. Perforated at 40 to 55 ft.

10. The estimated amount of groundwater withdrawn each year..... 80,000 gallons

11. The log of formations encountered in the drilling of each well if available.....
0 to 40 ft. yellow clay; 40 to 63 ft. water sand.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record..... This was a hand dug well from 0 to 45 ft. In 1950 it was drilled deeper and cased up and the hand dug hole filled with gravel.

Signature of Owner.....

Clair J. Schillinger
Date Dec. 31, 1963

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

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

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

36531

127330

LOC. NO.

WATER WELL LOG FILE NO. 559

CLAIR J. SCHILLINGER

TO

THE PUBLIC

STATE OF MONTANA)

COUNTY OF McCONE)

OFFICE OF COUNTY CLERK & RECORDER

Filed this 3rd day of Jan., 1964 A.D.

at 10:35 o'clock, a.m.

D. Irving E. Sigel
COUNTY CLERK

FEV: \$2.00

JAN 10 1964

STATE ENGINEER

NOTED 01 JAN 1964

GW2

File No. 460

DUPLICATE

County McConeSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

JAN 16 1964

**Notice of Completion of Groundwater
Appropriation by Means of Well ENGINEER**

(Under Chapter 237, Montana Session Laws, 1961)

Owner George Hisdahl Address Wolf Point, MontanaDriller Daniel G. Haggerty Address Lindsay, MontanaDate of Notice of Appropriation of Groundwater Dec. 30, 1963Date well started March 20 Date Completed March 27-63Type of well drilled Equipment Used cable tool drill
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	4"	0	200	1/8" slots	158	200
	11#					

Static Water Level for non-flowing Well 100 feet.Shut-in Pressure for Flowing Well not applicablePumping Water Level 175 feet at 3 gal. per minute.Discharge in gal. per min. of flowing well not applicableHow Tested bailed 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) _____

gravel packed outsideDriller's License Number 13Driller's Signature Daniel G. HaggertyTop of Ground
(Elev. above sea level, _____)

yellow clay

50

blue shale

92 sand--water bearing

blue shale

112 seal

blue shale

122

125 rock

blue shale

144

146 seal

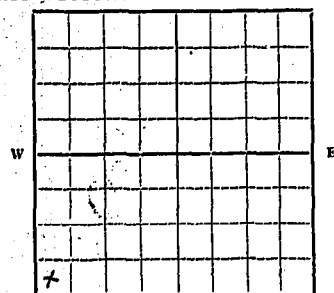
blue shale

168

170 sand--water bearing

blue shale

200--bottom N



S.W. 1/4 Sec. 8, T. 22 N., R. 4 E.

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

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

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.

36431

DOC. NO.

127219

WATER WELL LOG FILE NO. 460

GEORGE HISDAHL

TO

THE PUBLIC

STATE OF MONTANA)
COUNTY OF McCONE) SS

OFFICE OF COUNTY CLERK & RECORDER

Filed this 31st day of Dec., 1963 A.D.

at 8:04 o'clock, a.m.

COUNTY CLERK

FEE: \$2.00

RECEIVED

STATE ENGINEER

10

T 22 R 48

County McCone

MONTANA BUREAU OF MINES AND GEOLOGY

Butte, Montana

RECEIVED
JAN 4 1962

WATER WELL LOG

STATE ENGINEER

Owner Howard Hunter Address Chester

Driller Bruce Whitman Address Wolf Point

Date Started 9-15-58 Date Completed 9-17-58

Location: Sec 10 T 22 R 48 Sec SESE

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

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

Casing: 0 ft. to 45 ft. Type Steel Size 6 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 Slotted

Static Water level, for non-flowing well: 2.0 feet

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

Pumping water level 4.5 feet at 10 gal. per min

How tested: Bailer

Length of test 1 hr.

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

Good strong water supply - Good -
not fit for domestic use

(over)

Log of Well

[illegible]

T 22 R 48
County San Luis

MONTANA BUREAU OF MINES AND GEOLOGY

Butte, Montana

RECEIVED
JAN 4 1962

WATER WELL LOG

STATE ENGINEER

Owner Howard Hunter Address Circle

Driller Self Address "

Date Started around 20 years old Date Completed "

Location: Sec 10 T 22 R 48 + Sec SE SE

Type of Well Bored Equipment Used Home Boring Machine
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

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

Casing: 0 ft. to 45 ft. Type Boards Size 20 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: 20 feet

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

Pumping water level 40 feet at 10 gal. per min

How tested: Pumping of Well

Length of test 1 hr

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

Good strong stock water well - Hard
Not good for Domestic use

(over)

Log of Well

[illegible]

Log of Well

[illegible]