

GROUNDWATER INDEX

Page 1 of 14

County WIBAUX Twp. 19 N Rge. 60 E

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0009

Completion of Water
Shell

Field

N. P. Bailey

和

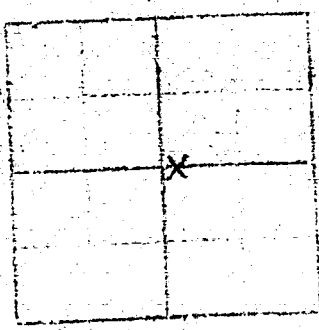
Public

WISLAUX COUNTY, MONTANA

FILED
JUN 14 1966
FBI - MEMPHIS

Boston, Mass. 1896
 11.12.11.
 Received from
 County Clerk
 Fee: \$2.00

Free: 2.00



STATE WATER CONSERVATION BOARD

Approved Stock Form—State Publishing Co., Helena, Montana—41933

FEB 11 1966

T 19N R 60E

File No.

ORIGINAL

Billie _____ McDermott _____
But _____ McNulty _____
Co. _____ Morton _____
Dar n. _____ Sullivan _____
Dicker _____

County Wibaux

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level) 2240
0 15 topsoil & yellow clay
15 25 scoria fill
25 27 1/2 soft coal
27 1/2 31 gray clay
31 32 coal
32 47 gray clay
47 49 coal
49 68 gray shale
68 72 coal
72 78 gray shale
78 81 soft coal
81 95 gray shale
95 125 soft gray sandstone
125 148 gray limestone
148 bottom strata

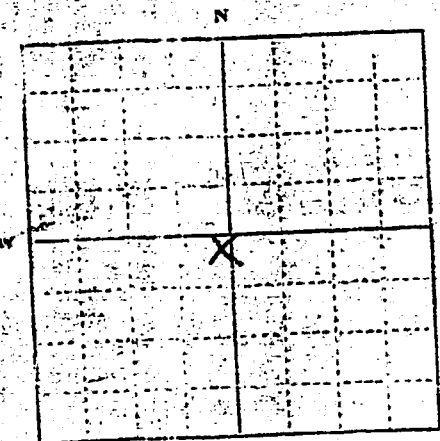
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Signal Shaver Address Sidney Mont
Driller Francis Boyle Address Sidney Mont
Date of Notice of Appropriation of Groundwater _____
Date well started July 29 1964 Date Completed August 1 1964
Type of well Drilled Equipment Used Rotary
(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)
12 inch	4" I.D. 11 lb. P.F.			4x4" slot slate	127	148



Sec. 19 T. 19 R. 6
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 116 feet.
Shut-in Pressure for Flowing Well _____
Pumping Water Level 120 feet at 14 gal. per minute.
Discharge in gal. per min. of flowing well _____
How Tested Beiler Length of Test 3 hours

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) this well is drilled 12" in diameter with 1 1/2" pipe gravel installed outside of 4" casing No 92

Driller's License Number

Francis Boyle
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.

File to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of

40824

69615

Refiling of Dec 68280
Key
W.P. Railway
Water Well
Seybold Shaver

WIBAUX COUNTY, MONTANA

FILED

Feb 10, 1966
3:00 P.M.
Bernie Thompson
Clerk
J. Smith
sup

Fee 2.00

File No. _____

DUPLICATE

T. 19N R. 60E Sec 19

County WibauxSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

AUG 12 1964

Top of Ground

(Elev. above sea level)

22 40 ft
 0-15 topsoil & yellow clay
 15-25 scoria fill
 25-27 1/2 soft coal
 27 1/2-31 gray clay
 31-32 coal
 32-47 gray clay
 47-49 coal
 49-68 gray shale
 68-72 coal
 72-78 gray shale
 78-81 soft coal
 81-95 gray shale
 95-125 soft gray sandstone
 125-148 gray sandstone
 water strata

Notice of Completion of Groundwater

Appropriation by Montana ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

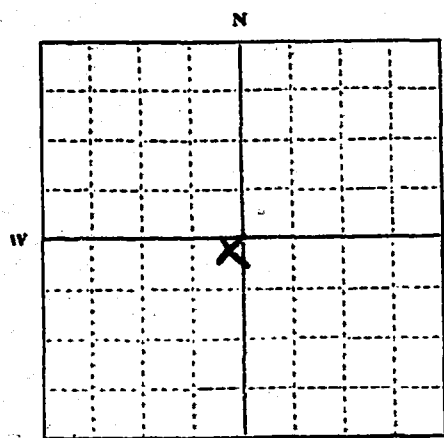
Owner Signal Shaw Address Liberty MontDriller Francis Boyce Address Liberty Mont

Date of Notice of Appropriation of Groundwater _____

Date well started July 29 1964 Date Completed August 1964Type of well Drilled Equipment Used Rotary
(dug, driven, bored or (Churn, drill, rotary or drilled) other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☒

Indicate on the diagram the character and thickness of the strata met with in drilling, such as soil, clay, shale, gravel, rock, 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)
12 inch	4 1/2" D. 11 lb D.F.			4 x 4" slot	127	148



SW 1/4 Sec. 19 T. 19 R. 60E
 Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

148

Static Water Level for non-flowing Well 116 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 120 feet at 14 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Bailer Length of Test 3 hours

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) This well

is drilled 12" in diameter
with 1 1/2" pipe steel gravel
installed outside of 4" casing

Driller's License Number

Driller's Signature

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

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

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

38315

68280

Completion of Skill
Squell Skell

WIRAPIX COUNTY, MONTANA

FILED

Aug 30 1964

James H. Hunsicker
County Clerk

WIRAPIX

File No. _____

DUPLICATE

County Willbourn

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

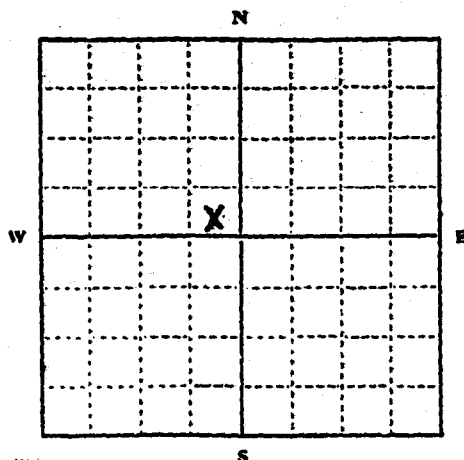
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 6 1964

STATE ENGINEER

1. Sigvald Shaver, of Shaver Route Sidney Mont.
(Name of Appropriator) (Address) (Town)
County of Willbourn State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 20 T. 19 R. 60

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
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1956
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 gal per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
this well is not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal one pump jack one pump jack in pipe well two and a quarter in. 1/2 in. at bottom
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater during 1956
8. The depth of water table 40 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 hand dug 6" casing 38 ft
10. The estimated amount of groundwater withdrawn each year 131,000
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 Sigvald ShaverDate Dec. 23-1963

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

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

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

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WIBAUT COUNTY, MONTANA

FILED

dec 31 1963

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Jan 2 1964

Feb 2 64

File No. _____

T. 19 N. R. 60 E. 20

DUPLICATE

County Wilbur

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

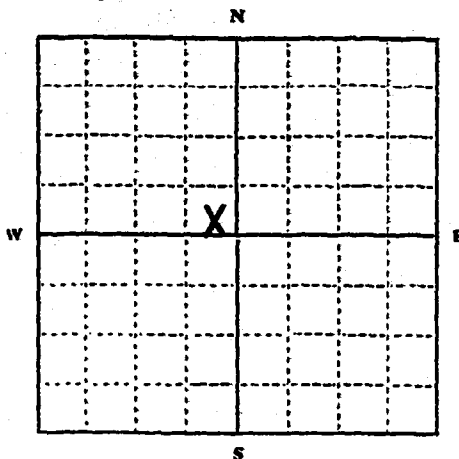
RECEIVED
JAN 6 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER

1. Sigwald Shaver (Name of Appropriator), of Shaver Route Sidney Mont (Address) (Town)

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



NW 1/4 Sec. 20 T. 19. R. 60.

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 well

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1914 continuously

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

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

this well is not used for irrigation
one and a half miles from pipe with

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

one and a half miles from pipe with two
and a pump in 1/2 mile at bottom

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater during 1914

8. The depth of water table 160 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

16.5 ft deep drilled 6" casing

10. The estimated amount of groundwater withdrawn each year 525.000

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 Sigwald Shaver

Date Dec 23 - 1963

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

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

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

25276

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WIBAUX COUNTY, MONTANA

FILED

dec 30, 1963

2:10 PM

Benjamin R. ...

James Smith

Fee 2.00

GV

Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No. _____

T. 19 N. R. 60 E. 21

DUPLICATE

County Wilbur

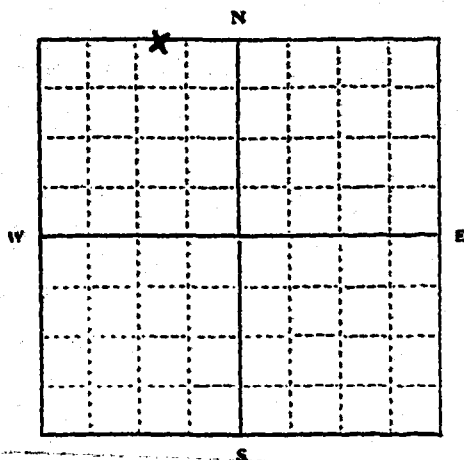
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Sigvald Skar, of Skar Route Sidney Montana
(Name of Appropriator) (Address) (Town)
County of Wilbur State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 21 T. 19 R. 60

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
3. Date or approximate date of earliest beneficial use; and how continuous the use has been natural spring
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1/2 gal per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof this spring is not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal natural spring
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater beginning of times
8. The depth of water table surface
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater surface
10. The estimated amount of groundwater withdrawn each year 525,000
11. The log of formations encountered in the drilling of each well if available none
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner

Sigvald Skar
Date Dec. 23-1963

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

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

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

25278

67477

WIBAUX COUNTY, MONTANA

FILED

dec 30 1963

Bernie Dammert

Jan 20 1964

Fee \$2.00

RECORDED AT THE CLERK'S OFFICE

1963

IN WITNESS WHEREOF, I have hereunto set my hand and the seal of said County, at Wibaux, Montana, this 1st day of January, 1964.

CLERK OF DISTRICT COURT

WIBAUX COUNTY, MONTANA

1963

T 19 R 60

County Wibaux

RECEIVED
JAN 2 1962

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

STATE ENGINEER

	X		

Owner Sigvald Skar Address Sidney, Montana
Driller Francis Boyce Address Trotters, N. D.
Date Started June 22, 1961 Date Completed June 28, 1961
Location: Sec. 22 T. 19 R. 60 1/4 sec. E4

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 179 ft. Type Well casing Size 4 in. 11 lb per ft

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

Casing: _____ ft. to 168 ft. Type _____ Size _____

Perforated or Screened: Ft. 116 ft to ft. 179 ft Ft. _____ to ft. _____

Type of screen or perforations Slots 1/2" by 6"

Static Water level, for non-flowing well: 116/11 116 ft feet.

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

Pumping water level 175 180 ft feet at 7 gal gal. per min.

How tested: Bailer

Length of test 2 hours

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

(over)

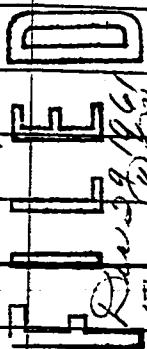
Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	22	top soil and yellow clay
22	29	gray clay
29 1/4	34	soft rock
34	55	gray shale
55	62	coal
62	110	gray shale
110	125	" "
125	165	crumbly shale
165	168	coal
168	179	shale and layers of sand - water strata
179	190	blue shale

65379

State of Idaho
 Geological Survey

WIBAU COUNTY, MONTANA



Drilled
 190 ft. to 196 ft.
 1-2-1961
 Garry Clark

Dec. 4, 1961

File No. _____

DUPLICATE

T. 19 N R. 60 E

County WibauxSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JUN 13 1963

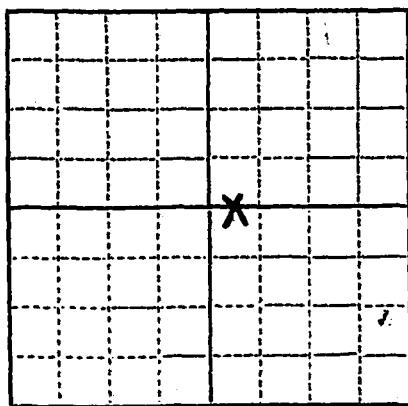
Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Sig. Skarr Address Libby, MontDriller Francis Boyce Address Libby, MontDate of Notice of Appropriation of Groundwater Nov 3 1962Date well started Nov 1 1962 Date Completed Nov 3 1962Type of well drilled Equipment Used Pottery
(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)
5 1/2" to 9" ft	4" 11 lbs	0	101	None		
4 1/4" to 120 ft	per ft					



1/4 Sec. 27 T. 19 R. 60 E.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 45 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 65 feet at 12 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested bailey Length of Test 2 hours

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 back to 96 ft. down

Show exact depth of bottom.

Driller's License Number

Driller's Signature

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

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

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

46 22.

66807

Declaration of
Vested
Groundwater Rights
By *Shane*
to
Public

WIBAUD COUNTY, MONTANA

FILED

June 12, 1963
2:30 P.M.

Bernice Tommings

Fee \$20.

Ana Smith
Clerk
By

G.

Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No. _____

DUPLICATE

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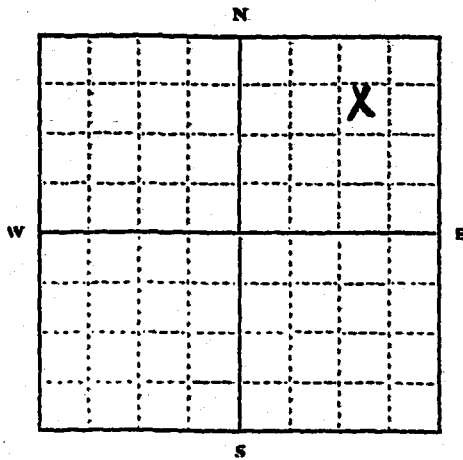
County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

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

1. Sigvald Shaar, of Shaar Route Liberty Montana
(Name of Appropriator) (Address) (Town)
County of Wibaux State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.E. 1/4 Sec. 28 T. 19 R. 60

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 well
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1914 continuously
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 1/2 gal per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.
this well is not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
one and a quarter in pipe with two augers in cylinder at bottom
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater during 1914
8. The depth of water table 160 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
165 ft deep metal 6" casing
10. The estimated amount of groundwater withdrawn each year 730,000
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

Date Dec 23-1963

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

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

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

25773

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WIBAUX COUNTY, MONTANA

FILED

Dec 31 1963
2:00 PM

Bernie Thompson

James Smith

Fee \$2.00

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County Wibaux

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 2 1962

WATER WELL LOG

STATE ENGINEER

Owner Sigvald Ekstr Address Sidney Montana

Driller Francis Payne Address Trotters, N. D.

Date Started June 11, 1961 Date Completed June 12, 1961

Location: S. 28 T. 19 R. 60 $\frac{1}{4}$ sec. SW

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

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

Casing: 0 ft. to 44 ft. Type Well casing Size 4 in., 11 lb. per foot

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

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

Perforated or Screened: Ft. None to ft. _____ Ft. _____ to ft. _____

Type of screen or perforations None

Static Water level, for non-flowing well: 23 ft feet.

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

Pumping water level 26 feet at 12 gal. per min.

How tested: 301er

Length of test 1 hour

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

Well drilled 52 ft deep gravel packed back to 40 ft down

(over)

Log of Well

[illegible]

65380

00000
Dated: 11th May 1904
Signed: [Signature]

WILKINSON COUNTY, MONTANA

1961

3-10-1914
James S. Thompson
County Clerk

21.
#1.
Dec.

File No. _____

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

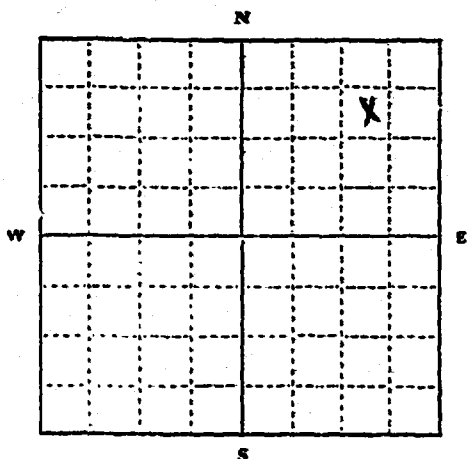
County Wilbur

RECEIVED
JAN 6 1964

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Sigvald Shaver, of Shaver Route Sidney Mont.
(Name of Appropriator) (Address) (Town)
County of Wilbur State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec 28 T. 19 R. 60

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 & stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1954 continuously
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1/2 of gal a 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 watering lawn and garden
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal three quarter horse submersible pump 1 1/2 pipe
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1954 May 15 June 1
8. The depth of water table 254
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater dug 24 in. casing 254 deep
10. The estimated amount of groundwater withdrawn each year 175,200 gal.
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 Sigvald ShaverDate Dec 23 - 1963

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

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

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

25277

1

1

67476
 WILBAUX COUNTY, MONTANA
FILED
 DEC 30 1963
 2:10 PM
 Clarence L. Smith
 County Clerk
 Jones Smith
 722 2

The undersigned, being duly sworn, depose and say that the within and foregoing is a true and correct copy of the original of the within and foregoing as the same appears in the records of the County Clerk of Wilboux County, Montana, to-wit:

In testimony whereof, I have hereunto set my hand and the seal of said County at the City of Helena, Montana, this 29th day of December, 1963.

Clarence L. Smith
 County Clerk

Subscribed and sworn to before me this 29th day of December, 1963.

Jones Smith

File No. _____

T. 19 N R. 60 E 30

DUPLICATE

County Wilbur

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

Declaration of Vested Groundwater Rights

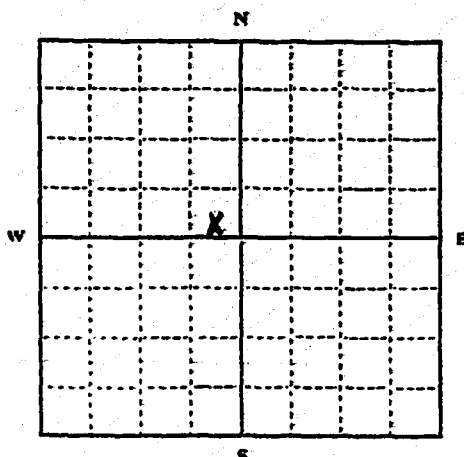
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Sigurd Shaar, of Shaar Route Sidney Montana
(Name of Appropriator) (Address) (Town)

County of WilburState of Montana

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



NW 1/4 Sec. 30 T. 19 R. 60

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 & house3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1950 continuously4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 gal per minute5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof this well is not used for irrigation6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump jack with pump system7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater during 19508. The depth of water table 30 ft9. 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 based 16" in cement casing30 ft deep10. The estimated amount of groundwater withdrawn each year 525,00011. 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

noneSignature of Owner Sig ShaarDate Dec 23 - 1963

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

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

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

25275

67474

WIBAUX COUNTY, NEBRASKA

FILED
DEC 30 1963
2:10 PM

Bernice Samuels

Jan Smith

Fee 2.00

County.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOV 17 1972

DRILLER'S LOG

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Leon Thomas

Address Wichita

Date well started 19 Oct 72

completed 20 Oct 71

Type of well *Artesian*

(Dug, driven, bored or drilled)

Equipment used

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

***Describe**

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	4" 10 11.4 lb/ft	0	110	slt 4"	80	110

A 4x4 grid with dashed lines. The top edge is labeled 'N' and the left edge is labeled 'W'. The top-right cell contains an 'X'.

Static water level 30 ft.*
Pumping water level 20 ft.*
at 15 gallons per minute,
measured 30 minutes after pumping
began.

*Measured from ground level. *Sub.*
Well developed by _____
for _____ hours.
Power *etc.* Pump _____ HP

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

pack outside cordage

NE 1/4 1/4 Sec. 32
T. 19 N. R. 60 E.
S W

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

Driller's Signature**Driller's Address**

LICENSE NO

Show exact depth of bottom:

51,815

74767

Completion of Water Mill
Leon Thomas
Public

WISCONSIN COUNTY, MONTANA

FILED

Nov 16 1972
11:55 A.M.
Bismarck, Montana
Jesse C. Dinsley, Deputy
Dec 8 1972

Official Use Only

RECEIVED

NOV 16 1972

11:55 A.M.

BISMARCK, MONTANA

JESSE C. DINSLEY, DEPUTY

DEC 8 1972

10/16/72

0 11 58 11

File No. _____

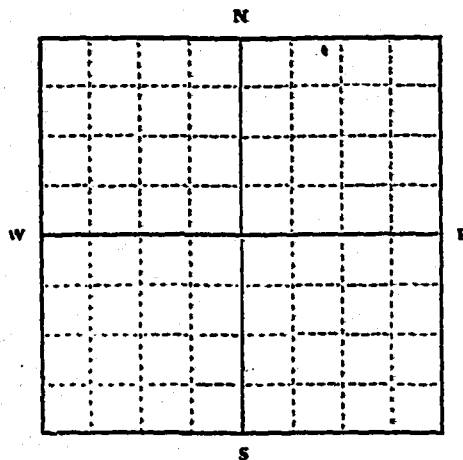
DUPLICATE

T. 19N R 60E 32
County HelenaSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERRECEIVED
JAN 6 1962
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Leon Thomas (Name of Appropriator), of Stearns Route Sidney Montana (Address) (Town)
County of Helena State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec 32 T. 19 R. 60

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 Livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 15, 1948
Has been continuous since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 83+ 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
is not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Putting head with pipe and cylinder
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 12, and July 15
8. The depth of water table 135 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
Drilled well with 6 in iron casing 140 ft deep
10. The estimated amount of groundwater withdrawn each year 438,000 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 other information available

Signature of Owner Leon ThomasDate December 30, 1962

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

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

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

25261

67460

WIBAUX COUNTY, MONTANA

FILED

Dec 20, 1963

1:05 PM

Ex 2. 10

Bergie Sammis

John Smith

WSP

GW 4

Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No.

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

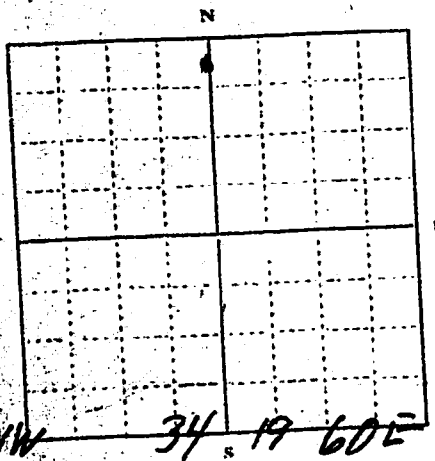
County

RECEIVED
JAN 6 1964

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

1. Conrad Brungard of Skar Route, Sidney (Name of Appropriator) (Address) (Town)
Wibaux (Name of Appropriator) State of Montana

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



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

2. The beneficial use which the claim is based Headquarters

3. Date or approximate date of earliest beneficial use, and how continuous the use has been July 1960
Continues

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

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

6. The means of withdrawing such water from the ground and the location of 2 hp, submersible on 1 1/4" PINE

7. The date Started June 24, 1960 of the construction of the well, wells, or other works for withdrawal of groundwater Completed July 3, 1960
225 ft.

8. The depth of water table _____

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" steel casing 1 in. drilled

10. The estimated amount of groundwater withdrawn each year 525,600 gal.

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 records
None

Signature of Owner

Conrad Brungard
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

25436

67637

WIRALIX COUNTY, MONTANA

FILED

Dec 31, 1963

2:25 PM

Cassie Donnell
County Clerk

For Smith
Rec'd

GV

File No. _____

DUPLICATE

T. 19 ^N R. 60 East ³⁴
County Wibaux

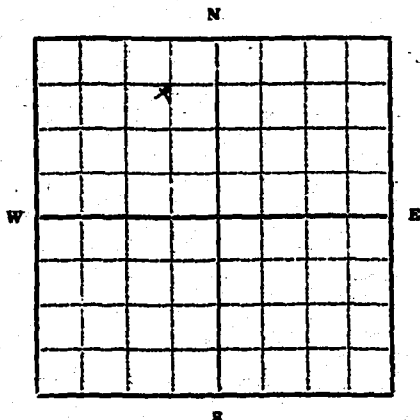
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAR 6 1963

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

STATE ENGINEER

1. Conrad Brungard of Shinar Route, Sidney
(Name of Appropriator) (Address) (Town)
County of Wibaux State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



~~NE 1/4 NW 1/4 Sec. 34 T19 R. 60 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 Headquarters water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1918 and used continually since.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 gallon per minute when in use.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump jack and motor
NE 1/4 NW 1/4 Sec. 34, Twp. 19, Range 60 East
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater During the year 1918
8. The depth of water table About 90 to 100 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled, 5in. approximately 100 ft.
10. The estimated amount of groundwater withdrawn each year 475,000 gal.
11. The log of formations encountered in the drilling of each well if available No log kept.
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

Conrad Brungard
Date Feb. 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 School of Mines and Quadruplicate for the Appropriator.

2825

D
 Vested Groundwater Rights
 Conrad Bungard
 - to -
 Public

Barbara L. Linn
Dec: 42.00 County Clerk

[illegible]

GROUNDWATER INDEX

Page 1 of 1

County WIBAUX Twp. 18N Rge. 57E

[illegible]

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

County Wibaux

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 wells.

(Under Chapter 237 Mont. Session Laws, 1961, as amended)

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

Owner H. H. Ranch
Address Belle Pl. R.T.
Glendene, Mont.
Date well started Feb. 14-71
completed Feb. 27-71

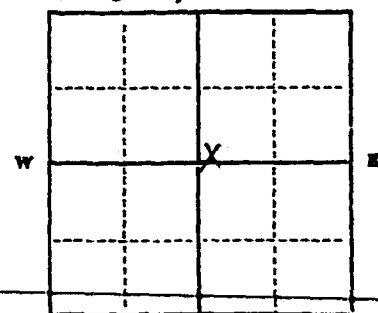
For Administrator's Use	
File	73699
	10-26-71 11 A.M.
GW 1	

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

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
4"	4" 11#	0'	34'	Kind Size 3/8" wide 665 705
	1 1/4" gal. pipe	3' above ground	705	3" long



S 24 1/4 N 1/4 Sec. 15
T. 18 N. R. 57 E.
S W

Static water level ft.*
Pumping water level ft.*
at gallons per minute,
measured minutes after pumping
began drilling well 30
gal. & min. 60
*Measured from ground level.
Well developed by drilling
for hours.
Power..... Pump..... HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) 1 1/2
slud. pack - 1 1/2
650 ft. to 660 ft.
25' gap - 5' cement
gravel

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

Driller's Signature C. H. Starr
Driller's Address Box 1183
Glendene, Mont. LICENSE NO. 168

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	10	Top soil - vegetation
10	21	sand - gravel
21	31	gray clay
31	34	hard sandstone
34	46	gray clay
46	49	rock
49	66	gray clay
66	70	rock
70	92	gray shale
92	95	rock
95	150	gray shale
150	228	hard
228	236	hard stone
236	243	hard stone
243	256	hard stone
256	276	hard stone
276	289	rock
289	370	gray shale
370	425	shale
425	453	gray shale
453	484	rock
484	490	rock
490	552	gray shale
552	574	gray sandstone
574	585	firm gray shale
585	660	hard stone
660	705	hard stone
		water shale

705 Show exact depth of bottom

73699

Confliction of Water Right
K & H Ranch
to
Public

WILSON COUNTY, MO.

FILED

Oct 26, 1971
11:00 A.M.

Bernice [unclear]
Jesse E. Prader, Deputy
Dec 20

GROUNDWATER INDEX

Page 1 of 1

County WIBAUX

Twp. 18 N

Rge. 58 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
5	Redman, Karney J.	GW 4	285958	
1	SMITH CREEK GRAZING ASSN	GW 2	74364	
1	REDMAN, KARNEY J	4	67658	
5	REDMAN, KARNEY J	4	67659	
7	K+W RANCH	GW 2	73700	
8	TOWNLEY, MINERVA	GW 2	73422	
9	TOWNLEY, HARRY F + MINERVA	4	67638	
14	BOE, NELS R	well log #	63082	
14	TOWNLEY, MINERVA	GW 2	71488	
15	TOWNLEY ESTATE	GW 2	69421	
17	K+W RANCH	GW 2	73698	
20	HUTCHINSON, C.L. MRS	log #	63144	
21	TOWNLEY HARRY	GW 2	68317	
25	DIKOFF, GOTTFRIED	4	67541	
26	DIKOFF, GOTTFRIED	4	67539	
26	TOWNLEY, HARRY	well log	64084	
27	BOE, NELS R	" "	63083	
27	TOWNLEY, HARRY F + MINERVA	GW 4	67639	
32	HUTCHINSON, CLARENCE	well log	61578	
32	HUTCHINSON, GLENN	GW 2	73687	
34	HUTCHINSON, HILDUR A	4	67420	
36	DIKOFF, GOTTFRIED	4	67538	
	Redman, Karney J	4	285958	

Redman, Karney J
18N 58E SEC. 5
Should be Wilbarr
Also Sec. 1 & 29

Approved Stock Form—State Publishing Co., Helena, Montana—41921

T. 18N R. 58E
County Richland
DAWSON

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

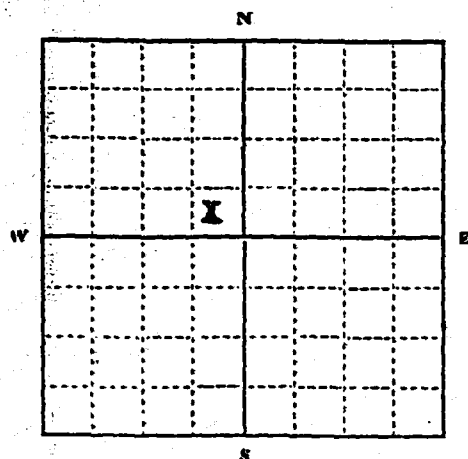
RECEIVED
DEC 26 1963

Application of Vested Groundwater Rights

under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Karney J. Redman, of Skaar Route, Sidney
(Name of Appropriator) (Address) (Town)
County of Richland State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 5 T. 18 N. R. 58 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
stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
first used in 1959 and used continuously since
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
not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
pumping with windmill from well located in Section 5, T 18 N, R 58 E
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
not known
8. The depth of water table not known
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
drilled well; 4 inch casing; depth approximately 385 feet
10. The estimated amount of groundwater withdrawn each year 200,000 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
have no other information

Signature of Owner

Karney J. Redman
Date December 23, 1963

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

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

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

12661

339	338	337	336	335	334	333	332	331	330	329	328	327	326	325	324	323	322	321	320	319	318	317	316	315	314	313	312	311	310	309	308	307	306	305	304	303	302	301	300	299	298	297	296	295	294	293	292	291	290	289	288	287	286	285	284	283	282	281	280	279	278	277	276	275	274	273	272	271	270	269	268	267	266	265	264	263	262	261	260	259	258	257	256	255	254	253	252	251	250	249	248	247	246	245	244	243	242	241	240	239	238	237	236	235	234	233	232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201	200	199	198	197	196	195	194	193	192	191	190	189	188	187	186	185	184	183	182	181	180	179	178	177	176	175	174	173	172	171	170	169	168	167	166	165	164	163	162	161	160	159	158	157	156	155	154	153	152	151	150	149	148	147	146	145	144	143	142	141	140	139	138	137	136	135	134	133	132	131	130	129	128	127	126	125	124	123	122	121	120	119	118	117	116	115	114	113	112	111	110	109	108	107	106	105	104	103	102	101	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
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Static Water Level for non-flowing Well.....feet.
 Shut-in Pressure for Flowing Well 110 pounds.....feet.
 Pumping Water Level.....feet at.....gal. per minute.
 Discharge in gal. per min. of flowing well 200.....gal. per minute.

339	338	337	336	335	334	333	332	331	330	329	328	327	326	325	324	323	322	321	320	319	318	317	316	315	314	313	312	311	310	309	308	307	306	305	304	303	302	301	300	299	298	297	296	295	294	293	292	291	290	289	288	287	286	285	284	283	282	281	280	279	278	277	276	275	274	273	272	271	270	269	268	267	266	265	264	263	262	261	260	259	258	257	256	255	254	253	252	251	250	249	248	247	246	245	244	243	242	241	240	239	238	237	236	235	234	233	232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201	200	199	198	197	196	195	194	193	192	191	190	189	188	187	186	185	184	183	182	181	180	179	178	177	176	175	174	173	172	171	170	169	168	167	166	165	164	163	162	161	160	159	158	157	156	155	154	153	152	151	150	149	148	147	146	145	144	143	142	141	140	139	138	137	136	135	134	133	132	131	130	129	128	127	126	125	124	123	122	121	120	119	118	117	116	115	114	113	112	111	110	109	108	107	106	105	104	103	102	101	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
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285958
 STATE OF MONTANA }
 County of Richland }
 Filed this 23 day of Dec. A. D. 19 63
 at 4:34 o'clock P. M.
 E. L. Kasher
 County Recorder
 J. L. Sullivan
 Deput.
 Fee: \$3.00
 Filed

T. 18 N 58 E

County RichmondSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

SEP 3 1963

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Harry Richmond Address Liberty MontDriller Francis Boyce Address Liberty Mont

Date of Notice of Appropriation of Groundwater

Date well started Aug 15 1963 Date Completed Aug 21 1963Type of well drilled Equipment Used Rotary
(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.

Depth (ft)	Strata
0	Top of Ground
29	Top of clay & gravel (Elev. above sea level 2050)
29	gray clay
67	coal
72	shale
76	coal
79	shale
130	coal
138	shale
215	sandstone
298	rock
300	shale
308	rock
308	dark shale
338	rock
338	gray shale
338	coal
609	gray sandstone
643	soft sandstone
643	shale
677	shale

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4 3/4"	4" 11 lbs	0	40			
4"	1 1/2" 4 lbs	0	677	4" 2"	643	677

Static Water Level for non-flowing Well _____ feet.

Shut-in Pressure for Flowing Well 10 pounds

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

Discharge in gal. per min. of flowing well 20

How Tested _____ Length of Test _____

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) bottom packerfrom 635 to 643 No 2 at 526 to 530

N 1/4 Sec 29 T 18 R 58

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

Show exact depth of bottom.

677 ft

92
Driller's License Number
Francis Boyce
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.

5637

STATE OF MONTANA, } ss. 284208
County of Richland,

Filed this 30th day of

August A. D. 1963

at 1:45 o'clock, P. M.

C. L. Kooker
County Recorder

R. Atchison
Deputy

fee: 2.00
filed

T. 18 N R. 58 E
County Richland
DAWSON

DUPLICATE

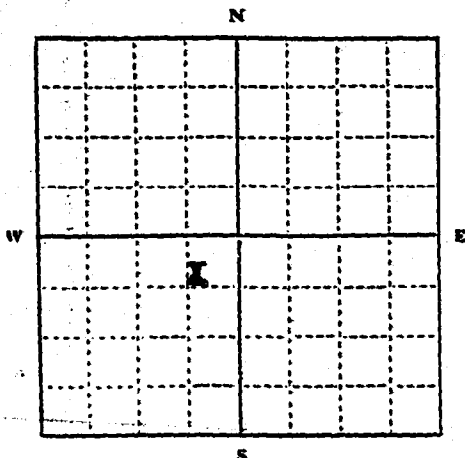
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 26 1963

STATE ENGINEER

1. Karney J. Redman, of Skaar Route, Sidney
(Name of Appropriator) (Address) (Town)
County of Richland State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:NE 1/4 Sec. 1 T18 R. 58Indicate 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
stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
first used in 1952 and used continuously since
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
not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
pumping with windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
not known
8. The depth of water table not known
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
drilled well; 4 inch casing; depth 360 feet
10. The estimated amount of groundwater withdrawn each year 250000 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
have no other information

Signature of Owner

Karney J. Redman
Date December 23, 1963

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

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

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

12659

STATE OF MONTANA,
County of Richland,

ss. 2859

Filed this: 27 day of

Dec. A. D. 19 13

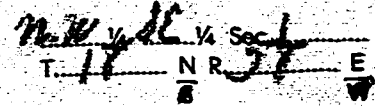
at 4:30 o'clock P. M.

E. L. Kader
County Recorder

W. L. Sullivan
Deputy

see #200
filed

50,295

[illegible]

packers, type of shutoff) *same*
 on the H10 - *small pellets*
 1150 to 1330 *5000*
 with 3C inside *10000*
 6 plates young from 2 to
 360 *10000*
 USE IF POSSIBLE

Driller's Signature *Francis Joyce*
Driller's Address *Lidbury, Mont.*

1220 Show exact depth of bottom

50,295

74364

Smith Creek Survey

Public

Completion of Water Right

WIBAW COUNTY, WYOMING

FILED

July 3, 1912

9:20 A.M.

Received & indexed

James E. Butler, deputy

Fee \$2.00

File No. _____

T. 18 N 58 E

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

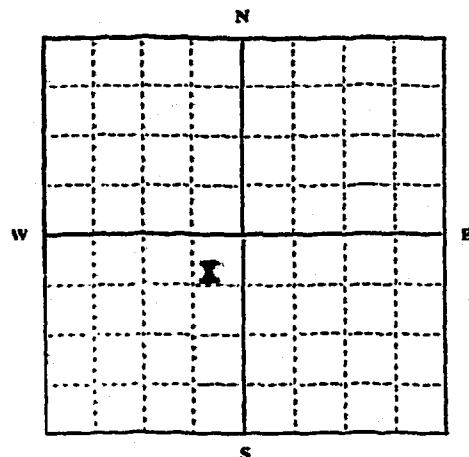
RECEIVED
JAN 6 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Harney J. Redman, of Skaar Route, Sidney
(Name of Appropriator) (Address) (Town)
County of Richland 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. 1 T 18 R 58

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 stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been first used in 1958 and
used constantly since
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 not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal this well is pumped with a windmill
located SW $\frac{1}{4}$ Sec. 1, T 18, R 58, Wibaux Co.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater not known
8. The depth of water table not known
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater type, drilled well
size, 4 inch casing
depth, 360 feet.
10. The estimated amount of groundwater withdrawn each year 250,000 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 none available

Signature of Owner

Harney J. Redman

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.

25457

67658

WIBAUX COUNTY, MONTANA

FILED

DEC 31, 1963
5:00 PM

James Sammis
County Clerk

James Smith
8/5

See 200

File No. _____

T. 18 R. 58 E. 5

DUPLICATE

County _____

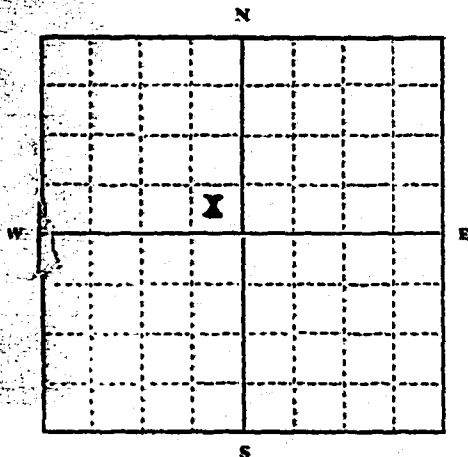
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

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

1. Karney J. Redman, of Skaar Route, Sidney
(Name of Appropriator) (Address) (Town)

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



NW $\frac{1}{4}$ Sec. 5 T. 18 R. 58

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 stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been first used in 1959 and used continuously since
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 not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pumped with windmill or motor located in NW $\frac{1}{4}$, Sec. 5, T. 18, R. 58, Wibaux Co.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater not known
8. The depth of water table not known
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater type, drilled well
size, 4 inch casing
depth, approximately 385 feet
10. The estimated amount of groundwater withdrawn each year 2000000 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 none available

Signature of Owner

Karney J. Redman
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.

25458

67659

WIRIA COUNTY

FILED
DEC 31 1963
FBI - ALBANY

Dec 31, 1963
5.00 AM

James D. Smith
Clerk

752.0

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner K & W Ranch
Address Belly Pt. Rd.
Glendine MONT.
Date well started Jan. 20-71 GW 1
completed Feb. 12-71

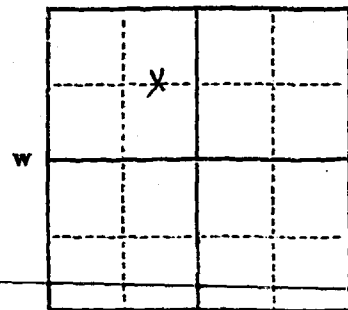
For Administrator's Use
File 73700
10-26-71 11 A.M.

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

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
4"	4"	0	42	Kind Size 3" wide 3" long
	11"			
	11 1/2"	3' above the ground	720	
	11 1/2"	0		



Section 7
T. 18 N. R. 58 E. W.

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

Driller's Signature C. H. Starn

Driller's Address Box 1183

Glendine, Mont. LICENSE NO. 168

County Wibaux

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	18	yellow clay wet top soil
18	37	loamy yellow clay
37	36	hard red stain clay
36	59	gray clay
59	41	clay
41	86	gray shale
86	87	red soil
87	150	dark gray shale
150	175	gray shale
175	190	reddish gray shale
190	218	sandstone
218	335	gray shale
335	360	light gray sandstone
360	375	gray shale
375	379	red soil
379	398	gray shale
398	402	clay
402	562	gray shale
562	563	clay
563	675	red gray shale
675	720	sandstone
		artesian shale

Static water level ft.*
Pumping water level ft.*
at gallons per minute,
measured minutes after pumping
began. Flowing well 23
*Measured from ground level. gals a min. 500
Well developed by pressure
for hours.
Power Pump HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) Gravel
back a lot 665 6675
3 bags No 5 cement

720 Show exact depth of bottom

73700

Completion of Water Well
X & H Ranch
Public

WILSON COUNTY, MONTANA

FILED

Oct 26, 1971

11:00 A.M.

Bernice L. Goring

County Clerk

James E. Kaden, Deputy

Doc #200

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

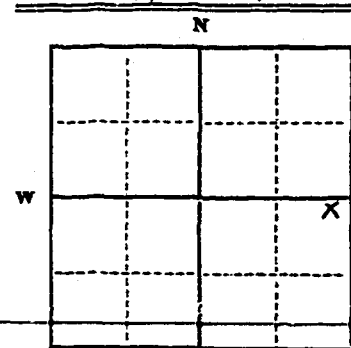
This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

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

Owner Minerva Township
Address Liberty Mont.
Date well started 5-14-1971
completed 5-17-1971
Type of well drilled
Equipment used rotary
Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐
*Describe ARTISIAN
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 1,000,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
6 1/4"	5" 15' PER. FT.	0	50	
4 3/4"	1 1/2" GALV PIPE	50	790	
		0	790	Torch Slots



N. E. 1/4 S. E. 1/4 Sec. 8
T. 18 N. R. 58 E.

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

Driller's Signature Francis Boyce
Driller's Address Liberty Mont.
Box 749 LICENSE NO. 92

MONTANA WATER RESOURCES BOARD

RECEIVED

County Wibaux
DRILLER'S LOG

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

Top of Ground		(Elev. above sea level) 2510
From (Feet)	To (Feet)	
0	16	Topsoil and yellow clay
16	70	gray sandy clay
70	82	gray clay
82	85	coal
85	143	gray clay
143	156	gray sand
156	157	sandstone
157	182	gray clay
182	184	sandstone
184	230	gray sandy clay
230	236	coal
236	331	gray clay
331	334	sandstone
334	420	gray shale
420	487	gray sandy clay
487	489	sandstone
489	694	gray shale
694	697	sandstone
697	745	gray shale
745	785	gray water sand
785	790	gray shale

Shut in pressure 19 lb.

Static water level _____ ft.*

Pumping water level _____ ft.*

Flow 8 gallons per minute, measured _____ minutes after pumping began.

*Measured from ground level.

Well developed by _____ for _____ hours.

Power _____ Pump _____ HP

Remarks: (Gravel packing, cementing, packers, type of shutoff) PACKER SET AT 735 TO 745-

PLUGGED WITH 44 SACKS CEMENT

790 Show exact depth of bottom

48521

73422

States Hill
Minerals Company

STATE OF MONTANA
COUNTY OF WILKES
DISTRICT OF DEEDS AND RECORDS
FILED
MAY 24 1971
9:40 AM
JUNE E. DRAKE, DEPT.

WILKES COUNTY, MONTANA

FILED

May 24 1971 3:42 PM
9:40 AM
JUNE E. DRAKE, DEPT.

RECORDS TO BE
MAINTAINED IN
THE OFFICE OF THE
CLERK OF DISTRICT
COURT

File No. _____

T. 12 N. R. 52 E. 9

DUPLICATE

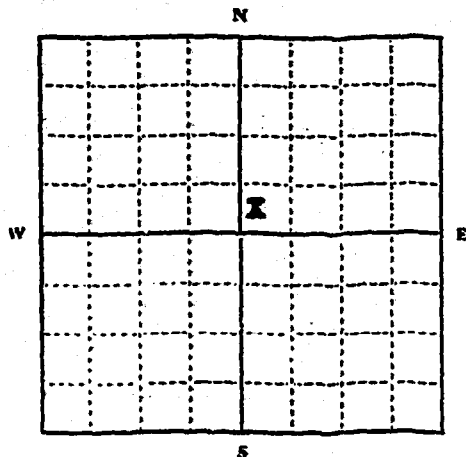
County Wibaux

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

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

Harry F. & Minerva Tounley, of Wibaux
(Name of Appropriator) (Address) (Town)
County of Wibaux State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



E 1/4 of Sec 8 T 12 R 52

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 None
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1962 Continuously
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None
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 Commenced and completed in 1963
8. The depth of water table 85'
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 4" casing 110' deep
10. The estimated amount of groundwater withdrawn each year Unknown
11. The log of formations encountered in the drilling of each well if available 3' top soil 24' sand and clay 2' coal 25' sand and clay 12' rock 20' sand 3' rock 20' sand and clay 3' 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

Harry F. & Minerva Tounley
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.

25437

62638

WIBAUT COUNTY, MONTANA

FILED

Dec 31, 1963
2:30 PM

Germa J. Smith
County Clerk

Dec 31

Ans Smith
Dep

T. 18N R. 58E
County Wibaux

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

			X

Owner Nels R. Roe Address Wibaux, Montana
Driller Francis Boyce Address Trotters, N. D.
Date Started June 10, 1959 Date Completed June 12, 1959

Location: Sec. 14 T. 18 R. 58 $\frac{1}{4}$ sec. 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 92 ft. Type line pipe Size 4"-11 lb.

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: 80' feet.

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

Pumping water level 86 feet at 3 gal. per min.

How tested: Cylinder pump

Length of test 10 hrs.

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
Gravel packed from 107 back to 91'

(over)

Log of Well

[illegible]

GW 2

MONTANA WATER RESOURCES BOARD

Approved Stock Form—State Publishing Co., Helena, Montana—46805

File No.

RECEIVED

T. 18 R 58

DUPLICATE

OCT 23 1968

County

Yellowstone

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARDNotice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962

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

Owner Mrs. Minerva Jounley Address Yellowstone
Driller C. H. Starr Address Box 1183-20

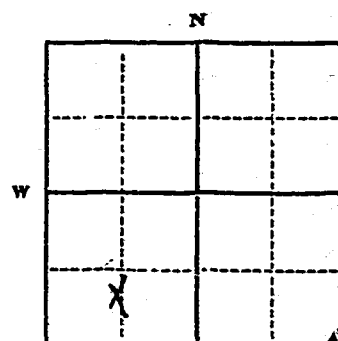
Date of Notice of appropriation of groundwater

Date well started 9-29-68 Date completed 10-2-68Type of well drilled Equipment used Rotary
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

Top of Ground
10 sandy yellow clay
16 yellow clay
46 grey shale
52 coal
53 grey shale
60 coal
62 grey shale
65 coal
67 grey shale
142 coal - little water
156 sand stone
180 strata - water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4"	4"	0	143			
	11"					
	per ft					

Static Water Level for non-flowing well 95 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 110 feetat 20 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested BailerLength of Test 3 hrsRemarks: (Gravel packing, cementing, packers, type of shutoff) Gravel pack from 180" to 131"

Sta. 1/4 Sec. 14 T. 18 R. 58
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

180 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.

168 Driller's License Number

C. H. Starr Driller's Signature.

44,710

7E488

Notice of Completion
Groundwater Appropriation
By means of Well
Two Miners Privately
to
Public

WINDHOLM COUNTY, N. D.

FILED
OCT 22 1968
10:15 AM

Bernice Dammed
County Clerk
Jana Smith
dy

Fee 2.00

RECEIVED FROM RECEIVED
SUBSCRIPTION FOR YEARS OF MAIL
OFFICE OF COMMISSIONER OF EDUCATION
LEARN JAMES DOUGLAS
THOMAS DOUGLAS
LEARN TO PROGRESS

Handwritten notes and signatures in the right margin, including a large signature that appears to be "Jana Smith" and various other illegible markings.