

4-Helena Independent Record
File No. 208

T. 14 N 26 E 30
County Petroleum

DUPLICATE

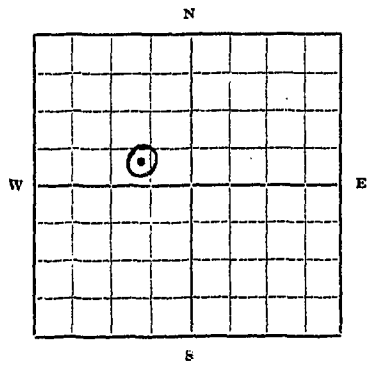
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

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

1. Joe C. King & Sons, Inc. of Box 177 Wimmett
(Name of Appropriator) (Address) (Town)

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



SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 30... T14N. R. 26E
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based livestock water
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been Fall of 1946 to present
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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 not applicable
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal windmill pump

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater drilled and completed fall of 1946
- 8. The depth of water table about 8 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 well with a 6 inch iron casing, about 15 feet deep
- 10. The estimated amount of groundwater withdrawn each year 200,000
- 11. The log of formations encountered in the drilling of each well if available about 10 feet of surface soil and 5 feet of gravel
- 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 by: Joe C. King, Inc.
President
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.

22360

File No. 208

STATE OF KENTUCKY }
County of Petroleum. }

Filed DEC 26 1968

at 4:00 P.M.

Benny L. Dingle
Director of Records

Lee S. Dingle Deputy

RECEIVED
JAN 24 1959

T. 14N R. 26E 35
County Petroleum

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

35		

Owner: Floyd W. Hill Address: Winnott, Montana
Driller: E. J. Livingston Address: Winnott, Montana
Date Started: October 23, 1956 Date Completed: November 10, 1956
Location: Sec. 35 T. 34 R. 26 1/4 sec. SE 1/4

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

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

Casing: 0 ft. to 1505 ft. Type: T. & C. Size: 4 1/2 O. D.
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)

Casing cemented with 15 sacks of cement by B. J. Cementing Co.; water would come to top, but would not flow--bailed to 300 feet and still gained on the water.

(over)

File No. 189

T. 14 N R. 26 E

DUPLICATE

County Petroleum

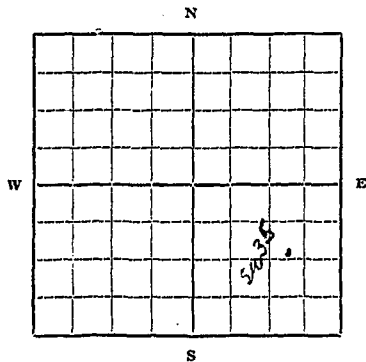
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 9 1963

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

STATE ENGINEER

1. Floyd R. or Viola S. Hill, of Winnett
(Name of Appropriator) (Address) (Town)
County of Petroleum State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec 35 T14 R 26

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 domestic use
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been Oct. 15, 1958
Continuous
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) three gallons per minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Flowing

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Completed about Nov. 1, 1958
- 8. The depth of water table 1575 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 Flowing, 4 1/2 inch 1 1/2 in. casing, 1700 ft. deep
- 10. The estimated amount of groundwater withdrawn each year 1,576,000 gals.
- 11. The log of formations encountered in the drilling of each well if available Third cat creek sand from 1575 to 1705
- 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

5555

Signature of Owner Floyd R. Hill

Date Dec. 5, 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.

8215

22300

File # 189

STATE OF MONTANA, }
County of Petroleum, } ss.

Filed DEC 6 1963 19

at 1:20 o'clock P.M.

Bonny L. Dwyer
Director of Records

2.00

Deputy

File No.

T. 14N R. 27E

DUPLICATE

STATE WATER CONSERVATION BOARD

County Petroleum

DEC 20 1966

STATE OF MONTANA

LOG

ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Top of Ground
(Elev. above sea level)

0
2 Surface Soil
18 Gravel Strata
20 Shale
22 Sand + Shale
24 Silty Sand
26 Silty Shale
109 Bentonite + Shale
130 Eagle Formation
Bentonite Sand
150 Hard shell Strata
and Bentonite Sand
180 Hard frequent sand
strata and shell
198 Sand - Good Porosity
H₂O - T.D.

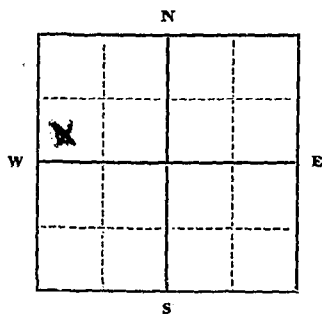
**Notice of Completion of Groundwater
Appropriation by Means of Well**
DEVELOPED AFTER JANUARY 1, 1962

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

Owner Gary Garshornel Address Winnett, Mont.
 Driller M. Munsone Address Grass Range, Mont.
 Date of Notice of appropriation of groundwater Not applicable
 Date well started Nov. 28-66 Date completed Dec. 7-66
 Type 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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4"		0	22			
	7" O.D. 20#	0	22	Cemented		
6 1/4"		22	198			
	4 1/2" O.D. 9.8#	0	198	Regular	180	198



Static Water Level for non-flowing well 154 feet.

Shut-in Pressure for Flowing Well
Pumping Water Level 154 feet
at gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Balancing
Length of Test 4 hrs. Intervals

Remarks: (Gravel packing, cementing, packers, type of shutoff)
Cone type catcher
packer @ 178

SW 1/4 Sec. 2 T. 14 R. 27
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

26
Driller's License Number
B. M. Munsone
Driller's Signature
41,459

25113 ~~J. L. G.~~ File 289

STATE OF MONTANA,
County of Petroleum,

Filed DEC 16 1966

at 10:35 o'clock A.M.

Bowen L. Neigel
Director of Records.

Jes: #2.2 Deputy

180
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APPROVED
12/16/66
BY: [Signature]
DIRECTOR OF RECORDS

FILE
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File No. 235

T. 14 N. 27 E

DUPLICATE

County Pet.

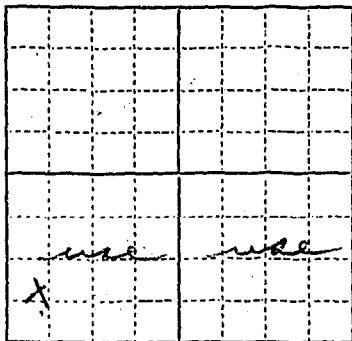
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Claude F. Allen of Box 195 Winnett
(Name of Appropriator) (Address) (Town)
County of Petroleum State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N 7 SW 4 Sec 2
1/2 SE 4 314 27
1/4 Sec. T. R.

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

2. The beneficial use on which the claim is based Stock water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1st August of 58
Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 Gallons 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 each well or other means of withdrawal
With a pump. In ~~SW 1/4 Sec 3~~ SW 1/4 Sec 3
T. 14 R. 27

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

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
Type Drilled Size 4 in. Casing Depth 100 Ft.

10. The estimated amount of groundwater withdrawn each year 500,000 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
Not applicable.

Signature of Owner Claude F. Allen

Date Jan 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.

20900

22893

235

STATE OF MONTANA,

County of Petroleum,

Filed DEC 31 1963

at 10:50 o'clock A.M.

Henry L. Dwyer
Director of Records

D. G.

Deputy

File No.

R E C E I V E D
SEP 21 1965

T. 14ⁿ R. 27^e

DUPLICATE

County: Petroleum

REFERRED TO _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

0 Top of Ground
9 (Elev. above sea level.....)
15 Surface Soil
17 Gravel
20 Silty Sand
31 Hard Sand
34 Sand tile
41 Caprock
100 Sand local porosity water
112 Silty Sandy Shale T.O.

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Charles V. Allen Address: Winnett, Mont.

Driller: Atkinson Drilling Co. Address: Grass Range, Mont.

Date of Notice of Appropriation of Groundwater: Not applicable

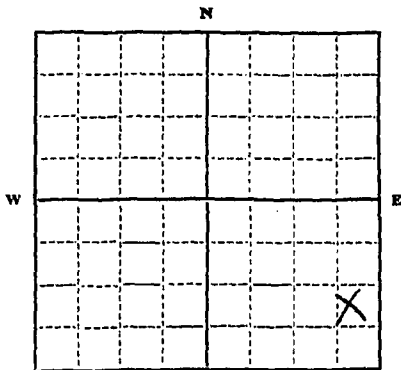
Date well started: Aug. 2-1965 Date Completed: Aug. 4-1965

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)
7 7/8"	6 5/8" O.D. B&B	0	20	Cemented	0	20
5 5/8"	4 1/2" O.D. B&B	20	112			
		0	66			



NE 1/4 Sec. 9 T. 14 R. 27
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..... 46 21

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

Discharge in gal. per min. of flowing well..... 8 hrs.

How Tested: Pumping Length of Test: 23 gal./min.

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)
Surface casing cemented
Open hole 3 1/2" 112'

26
Driller's License Number
B. M. Atkinson
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.

24412

No. 272

STATE OF MONTANA,
County of Petroleum,

Filed SEP 20 1965

at 1:45 o'clock P.M.

Danny L. Stengel

Director of Records

Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4232

File No. 271

T. 14 N R 27 E 4

TRIPLICATE

County Blaine

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 2 1965
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

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



1 Topsoil
80 Yellow Sandstone
83 Hard white silicate
83 115 Light blue sandstone

Water

owner Oleo Rigg Address Winnett, Montana

Driller George O. Singley Address Leviatow, Montana

Date of Notice of appropriation of groundwater None

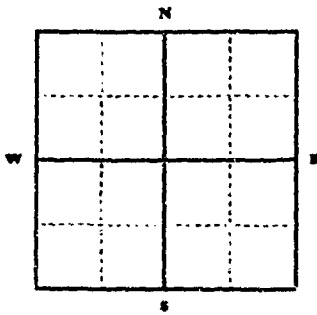
Date well started June 21, 1965 Date completed June 21, 1965

Type 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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5-5/8	4" OD 4 ID 11#	0	115	3" slots	80	115
		2' above ground	115			



Static Water Level for non-flowing well 70 feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level 105 feet
at 10 gal. per minute.

Discharge in gal. per min. of flowing well None

How Tested Balling

Length of Test 1 hr.

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

24 1/2 NE Sec 4 T. 14 R. 27
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

Driller's License Number 16

Driller's Signature [Signature]

34269

24310

No. 211

STATE OF MONTANA,
County of Petroleum. } 20.

Filed JUL 1 1965 19

at 11:10 o'clock A. M.

Benny L. Dugal
Director of Records.

Deputy

Form No. 18
8-60

T. 14 R. 27

County Butte

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
MAY 11 1957

Water Well Log

STATE ENGINEER

Owner Mayra Beaton Address Butte, Montana

Driller J. J. J. J. Address Butte, Montana

Date Started Feb. 18, 1957 Date Completed May 9, 1957

Location: Sec. 5 T. 14 R. 27 $\frac{1}{4}$ sec. N. 1/4; S. 1/4

Type of well relied 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 2112 ft. Type 2 1/2" Size 1 1/2" O.D.

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

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

Perforated or screened: Ft. 2003 to ft. 2078 Ft. 2063 to ft. 2053
Ft. 2054 to ft. 2072 Ft. 2064 to ft. 1848

Type of screen or perforations Open 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: Well flowing 10 gal. per minute

Length of test _____

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

cemented with 50 sacks of cement

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	10	Surface gravel
10	50	gray shale, sand and bentonite
50	115	soft blue gray shale
115	170	dark brittle sandy shale
170	232	firm brittle shale
232	233	hard shell
233	335	shale
335	461	shale with some shells
461	465	hard shell
465	690	dark gray shale
690	710	dark gray shale, some sand and sandy shale (Wooby) shale, bentonite, hard brown lime
710	750	hard shale (Wooby)
750	853	hard shale
853	895	soft dark shale and bentonite, shells
895	1013	medium hard shale, bentonite
1013	1200	dark shale with bentonite streaks
1200	1265	dark shale, bentonite (hard streaks)
1265	1300	dark firm shale and hard lime streaks
1300	1360	dark firm shale some lime and pyrites
1360	1470	dark firm sandy shale
1470	1595	dark firm sandy shale with thin lenses of sand
1595	1640	shale with hard lenses
1640	1660	shale and hard sand
1660	1668	medium hard sand and shale streaks
1668	1716	hard shale and hard sand
1716	1830	red and gray clay and some sand
1830	1850	soft red shale and gray shale and sandy shale
1850	1910	sand, some soft
1910	1946	gray and red shale
1946	1965	hard sharp sand
1965	1975	hard and medium hard sand
1975	2001	red shale
2001	2019	hard sand and lime
2019	2050	various colored shales
2050	2100	sand (some soft, some hard)
2100	2114	shale and clay

19851

106
2114

STATE OF MONTANA,
County of Petroleum,
ss.
Filed December 13, 1961
at 11:00 o'clock A.M.
Valma R. Merba
County Recorder,
Petroleum

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	10	Surface gravel
10	50	grey shale, sand and bentonite
50	115	soft blue grey shale
115	170	dark brittle sandy shale
170	233	firm brittle shale
233	241	hard shale
241	355	shale
355	461	shale with some shells
461	465	hard shell
465	684	dark grey shale
684	690	dark grey shale, some sand and sandy shale (Mosby)
690	740	shale, bentonite, hard brown lime
740	750	hard shale (Howery)
750	853	hard shale
853	895	soft dark shale and bentonite, shells
895	1043	medium hard shale, bentonite
1043	1200	dark shale with bentonite streaks
1200	1265	dark shale, bentonite (hard streaks)
1265	1300	dark firm shale and hard lime streaks
1300	1360	dark firm shale some lime and pyrites
1360	1470	dark firm sandy shale
1470	1595	dark firm sandy shale with thin lenses of sand
1595	1640	shale with hard lenses
1640	1660	shale and hard sand
1660	1668	medium hard sand and shale streaks
1668	1746	hard shale and hard sand
1746	1830	red and grey clay and some sand
1830	1852	soft red shale and grey shale and sandy shale
1852	1910	sand, some soft
1910	1946	grey and red shale
1946	1965	hard sharp sand
1965	1975	hard and medium hard sand
1975	2001	red shale
2001	2009	hard sand and lime
2009	2054	various colored shales
2054	2109	sand (some soft, some hard)
2109	2114	shale and clay

19851

108
2/15

STATE OF MONTANA,
County of Petroleum.

Filed December 15 1964

at 11:00 o'clock A. M.

Valma R. Meritas
County Recorder.

Valma R. Meritas
County Recorder.

T. 14 R. 27
County Petroleum

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER

Owner Mrs. Velma R. Merten Address Winnett, Montana
Driller Dale Himes Address Wolf Point, Montana
Date Started August 15, 1955 Date Completed Aug. 15, 1955
Location: Lot 9, Block 26 Original Town of Winnett
Sec. 6 T. 14 R. 27 $\frac{1}{4}$ sec. South west quarter

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

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

Casing: 0 ft. to 33 ft. Type 9 # Steel Size 6" O.D.

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

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

Perforated or ~~Screened~~: Ft. 16 to ft. 30 Ft. _____ to ft. _____

Type of screen or perforations acetelyne cut perforation about 18" long, staggered slots

Static Water level, for non-flowing well: about 18 feet feet.

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

Pumping water level 18 feet at 10 gal. per min.

How tested: Timed by flow from 3/4" pump moved by 1/2 horse electric motor

Length of test: time taken to fill 5 gal bucket

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

(over)

T. 14 R. 27 ⁶

County Petroleum, Montana

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
MAY 13 1961

WATER WELL LOG

STATE ENGINEER

Owner Henry G. & Eva O. Lengemann Address Winnett, Montana

Driller Earl Phillips Address Winnett, Montana

Date Started May 1954 Date Completed same day

Location: Sec. 6 T. 14 R. 27 ¼ sec. Lot 19 of Block 9 Original Townsite of Winnett

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: _____ ft. to _____ ft. Type Galvanised 24 ft 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 Perforated bottom 9 ft.

Static Water level, for non-flowing well: 13 ft. of water in well feet.

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

Pumping water level 11 ft. from surface feet at _____ ten gal. per min.

How tested: Electric water pump

Length of test Thirty minutes

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

19848

104
U.R.M

STATE OF MONTANA, } ss. County of Petroleum											
Filed <u>Dec. 12</u> 19 <u>61</u>											
at <u>11:40</u> o'clock <u>A.M.</u>											
<u>Helma R. Merten</u> County Recorder.											
Deputy.											

File No. 249

T. 14 R. 27

DUPLICATE

County. Petroleum

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964

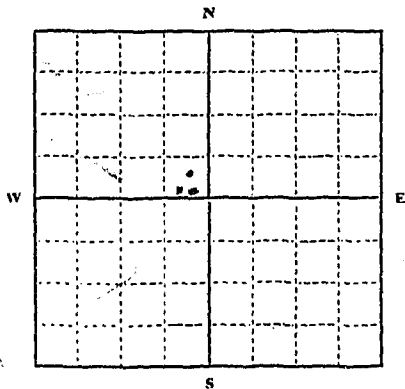
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Donald H. Gullikson, of Box 157 - Winnett.
(Name of Appropriator) (Address) (Town)

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



1/4 Sec. 6 T. 14 R. 27
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. yard irrigation & home use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Since 1955 on and after 1957 - will always be for 9 months of the year

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

220 4+5 Bk 10 T. 14 R. 27 - 6 - Bk 15
D. H. Gullikson

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1955 on 4+5 Bk 10 1957 - 1-6 - Bk 15

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. dug wells - lined metal casing

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

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

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 Donald H. Gullikson

Date 12/31/63

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.

20914

22411

STATE OF MONTANA, }
County of Petroleum, } ss.

Filed DEC 31 1968 19

at 3:40 o'clock P.M.

Donny L. Degele
Deputy

2.00 Deputy

File No. 179

T 14 R 27

DUPLICATE

County Petroleum

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECORDED
DEC 30 1963

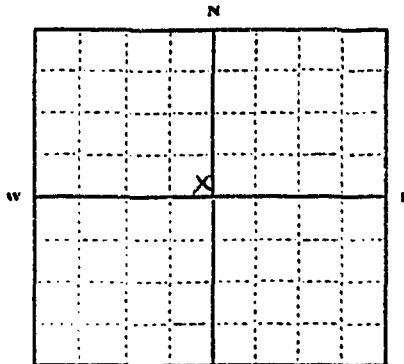
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1951)

STATE ENGINEER

1. R. Q. Glatz, of Winnett
(Name of Appropriator) (Address) (Town)

County of Petroleum 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. 6 T. 14 R. 27

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 for irrigation of lawns and shrubbery.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been July, 1952, and each growing season since July 1952.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) at rate of 5 to 7 1/2 gallons per minute while 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 Lots 11, 12, 13, 14 of Block 11, Original Townsite of Winnett.

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

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

8. The depth of water table 10 feet to 24 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 well has 2-inch casing to a depth of 24 feet, with a natural gathering basin below pipe; water withdrawn by means of suction pipe and electric motor.

10. The estimated amount of groundwater withdrawn each year 160,000 gallons annually.

11. The log of formations encountered in the drilling of each well if available 6-inch bed of wet clay just above water table at 10 feet.

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 R. Q. Glatz

Date Dec. 26, 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.

22351

File No. 199
Bed

STATE OF MONTANA
County of *Blaine*

Filed DEC 26 1968

at 3:05 P.M.

Donald Dangel
Deputy

44:2-8 Deputy

T. 14 R. 27

County Petroleum

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana



WATER WELL LOG

STATE ENGINEER

	X	

Owner M. H. Garshmel Address Winnett, Mont.

Driller P. L. Ferguson Address Roundup, Mont.

Date Started Nov. 19, 1957 Date Completed Nov. 23, 1957

Location: Sec. 11 T. 14 R. 27 1/4 sec. Northeast

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

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

Casing: 0 ft. to 61 ft. Type Galvanized Size 6 inch

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 20 to ft. 30 Ft. 45 to ft. 55

Type of screen or perforations Slotted

Static Water level, for non-flowing well: 15 feet from surface feet.

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

Pumping water level: 50 ft. from surface feet at 10 gal. per min.

How tested: hand pump

Length of test: 10 minutes

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

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Form No. 18
8-60

77

T. 14 R. 27

County Petroleum

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
SEP 24 1961

WATER WELL LOG

STATE ENGINEER

Owner Marlin Garshmel Address Winnett, Montana

Driller George O. Singley Address Lewistown, Montana

Date Started Sept. 5, 1961 Date Completed Sept. 8, 1961

Location: Sec. 11 T. 14 R. 27 $\frac{1}{4}$ sec. Southeast

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: 0 ft. to 12 ft. Type s & s Size 6 1/2 in

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

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

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

Type of screen or perforations _____

Static Water level, for non-flowing well: 15 feet.

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

Pumping water level 30 feet at 3 gal. per min.

How tested: Baling

Length of test 1 hr.

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

Casing sealed with shoe

(over)

RECEIVED
JAN 9 1958

T. 11 R. 27

County Petroleum

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Ray Bohn Address Winnett, Montana

Driller P.L. Ferguson Address Roundup, Montana

Date Started Oct. 26th, 1957 Date Completed Nov. 2nd, 1957

Location: Sec. 12 T. 11 R. 27 1/4 sec. 11

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

Water use: Domestic Municipal Stock Irrigation

Industrial Drainage Other:

Casing: 0 ft. to 72 ft. Type Galv. Size 5"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 62 to ft. 72 Ft. to ft.

Type of screen or perforations Punched

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

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

Pumping water level: 40 feet at 100 gal. per min.

How tested: Baled

Length of test: Half-hour

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

(over)

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OCT 2 1958

T. 14 R. 27
County Petroleum

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

14-27

14	

Owner: Ray Eohn Address: Vincent, Montana
 Driller: George C. Hingley Address: Lewistown, Montana
 Date Started: Date Completed: Sept. 27, 1958
 Location: Sec. 14 T. 14 R. 27 1/4 sec. SE SW

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

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

Casing: 2' above ground ft. to 10 ft. Type: S & S Size: C & ID
 Casing: 2' above ground ft. to 237 ft. Type: Galvanized Perfection Size: -----
 Casing: _____ ft. to _____ ft. Type: _____ Size: _____

Perforated or Screened: Ft. 137 to ft. 237 Ft. _____ to ft. _____

Type of screen or perforations: Slots

Static Water level, for non-flowing well: 164 feet.

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

Pumping water level: 250 feet at 3 gal. per min.

How tested: Galing

Length of test: 2 hours

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

(over)

Form No. 18
8-60

T. 14N R. 27E
County Petroleum

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Probably Reel 20

WATER WELL LOG

	15	

Owner Ray Bohn Address Winnett, Montana
Driller George C. Singley Address Lewistown, Montana
Date Started August 9, 1961 Date Completed August 10, 1961
Location: Sec. 15 T. 14 R. 27 $\frac{1}{4}$ sec. SW SW

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Above ground

Casing: 1 ft. to 50 ft. Type S & S Size 5 3/16 ID

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

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

Perforated or Screened: Ft. 30 to ft. 50 . Ft. _____ to ft. _____

Type of screen or perforations Slots

Static Water level, for non-flowing well: 8 feet.

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

Pumping water level 30 feet at 10 gal. per min. _____

How tested: Baling

Length of test 2 hrs.

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

Sealed with rubber cave catchers

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	2	Topsoll
2	12	Sandy loam
12	16	Quicksand
16	25	Clay
25	35	Sandy shale
35	50	Sandstone Water
1986 ⁹	STATE OF INDIANA } County of Petroleum }	
	Filed Dec 18 1967	
	at 2:30 o'clock P.M.	
	Edna P. Neulen County Recorder	
		Deputy

119
U.R.M.

T. 14 R. 27
County Petroleum

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER

Owner Wayne Stratton Address Minnett, Montana

Driller George C. Binley Address Lewistown, Montana

Date Started March 17, 1953 Date Completed March 19, 1953

Location: Sec. 17 T. 14 R. 27 1/4 sec. S. E. 1/4 of the N. W. 1/4

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

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

Casing: 0 ft. to 112 1/2 ft. Type S & C Size 4" OD

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

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

Perforated or Screened: Ft. 92 to ft. 112 Ft. _____ to ft. _____

Type of screen or perforations Slots

Static Water level, for non-flowing well: 53 feet.

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

Pumping water level 110 feet at 4 gal. per min.

How tested: Pumping for 1 hr.

Length of test: 1 hr.

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
5 dove catcher type packers set about casing

(over)

T. 14 R. 27 ¹⁷
 County Petroleum

MONTANA BUREAU OF MINES AND GEOLOGY
 Butte, Montana

RECEIVED
 MAR 5 1958

WATER WELL LOG

STATE ENGINEER

Owner Wayne Bretter Address Winnett, Montana

Driller George O. Singley Address Lewistown, Montana

Date Started March 17, 1958 Date Completed March 19, 1958

Location: Sec. 17 T. 14 R. 27 ¼ sec. S. E. ¼ of the N. W. ¼

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

Water use: Domestic Municipal Stock Irrigation

Industrial Drainage Other: _____

Casing: 0 ft. to 112 / 122 ft. Type 3 & 8 Size 4" OD

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

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

Perforated or Screened: Ft. 92 to ft. 112 Ft. _____ to ft. _____

Type of screen or perforations slots

Static Water level, for non-flowing well: 68 feet.

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

Pumping water level 110 feet at 4 gal. per min.

How tested: Baling for 1 hr.

Length of test 1 hr.

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
6 cave catcher type packers set about casing

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	5	Sand Gravel
5	36	Yellow sandstone
36	40	White hard silicate
40	60	Yellow sandstone
60	70	Yellow and blue streaked sandy shale
70	90	Light grey barite clay, sand streaks, small amt. water
90	112	Sandy rock light grey color
112	113	Bentonite
113	120	Sandstone, water
120	122	Blue shale

Signed at WINN, ANNA, N.C.
 County of Perquimans
 Filed Dec 4 1961
 at 1:35 o'clock P.M.
 Wilma P. Porter
 County Recorder
 Perquimans

19814

101
JRM

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	5	Sand (Gravel)
5	36	Yellow sandstone
36	40	White hard silicate
40	60	Yellow sandstone
60	70	Yellow and Blue streaked sandy shale
70	90	Light grey baxite clay, sand streaks, small amt. water
90	112	Sandy rock light grey water
112	113	Bentonite
113	120	Sandstone, water
120	122	Blue shale

STATE OF MISSISSIPPI
 County of Petroleum.
 Filed Dec 4 1961
 at 1:35 o'clock P.M.
 William R. Porter
 County Recorder.
 Permit

19814

101
D&M

Form No. 18
8-60

22

T. 14 R. 27

County Petroleum

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER

Owner Harry A. Timm Address Missoula, Montana

Driller I. V. Fields Address Lewistown, Montana

Date Started 1918 Date Completed 1919

Location: Sec. 22 T. 14 R. 27 $\frac{1}{4}$ sec. NW $\frac{1}{4}$ NE $\frac{1}{4}$

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: _____ ft. to 20 ft. Type Steel Size 6"

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)

Well is approximately 175 ft. deep

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)

Windmill operated - continuous flow - to storage tank - capable of supplying stock water for minimum of 20 head and necessary domestic use - overflow sufficient for garden purposes.

Subscribed and sworn to before me this 13th day of December, 1961

I. V. Fields

Notary Public for State of Montana. Residing at Missoula, Montana
My commission expires 11/13/64

Harry A. Timm

19865

#107
W.S.

STATE OF MONTANA,)
County of Petroleum.)

Filed December 18 1961

at 9:00 o'clock A. M.

Velma R. Marian

County Recorder.

Velma R. Marian

Deputy

RECEIVED
 JUL 28 1958
 STATE ENGINEER

T. 14 R. 27
 County FAIRFAX

23

MONTANA BUREAU OF MINES AND GEOLOGY
 Butte, Montana

WATER WELL LOG

Sec. 23

	X	

Owner Borden Fetsje Address Simons, Montana
 Driller George L. Singley Address Lewistown, Montana
 Date Started June 10, 1958 Date Completed June 20, 1958
 Location: Sec. (23) T. 14 R. 27 ¼ sec. (SW NE)

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

Water use: Domestic Municipal Stock Irrigation

1' above Industrial Drainage Other: _____

Casing: _____ ft. to 305 ft. Type 2 1/2" Size 6"OD

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

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

Perforated or Screened: Ft. 140 to ft. 205 Ft. _____ to ft. _____

Type of screen or perforations lots

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: rolling

Length of test: 1 hour

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
5 days another packers set.

RECEIVED
JUL 28 1958

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 14 R. 27
County Petroleum

WATER WELL LOG

Sec. 23

	X	

Owner: Gordon Fetoja Address: Minnet, Montana

Driller: George G. Singley Address: Lewistown, Montana

Date Started: June 10, 1958 Date Completed: June 20, 1958

Location: Sec. 23 T. 14 R. 27 1/4 sec. SW NE

Type of well: Drilled Equipment used: Cable Tool

Water use: Domestic Municipal Stock Irrigation

1' above Industrial Drainage Other: _____

Casing: _____ ft. to _____ ft. Type: 3 & 3 Size: 6" 52

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

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

Perforated or Screened: Ft. 140 to ft. 235 Ft. _____ to ft. _____

Type of screen or perforations: Slots 150

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: 30 min

Length of test: 1 hour

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
3 gave catcher packers set

(over)

CW 2

File No. 799 234

T. 14 N. 27 E.

DUPLICATE

County Patroleum

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER RECEIVED
Notice of Completion of Groundwater Appropriation by Means of Well
 STATE ENGINEER
 (Under Chapter 237, Montana Session Laws, 1961)

21 top Soil, Gravel & clay
 (Elev. above sea level.....)
 138 grey shale & chert
 368 grey silty shale, chert & bent.
 737 shale, sandy lime, chert & bent.
 grey shale, clay bent, chert

Owner Wayne Bratten Address Winnett, Montana

Driller C & L Drilling Address Winnett, Montana

Date of Notice of Appropriation of Groundwater

Date well started 8/12/63 Date Completed 10/16/63

Type 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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 3/4"	4 1/2" o.d. 9 1/2" black seamless casing	0	2040	1 ft. slot	1742	1802
					1942	2040

1234 SHALE, BENT., CHERT & IRON PYRITES
1254 SANDY LIME, PYRITES, & BENT.

1814 SILTSTONE, PYRITES, SHALE, BENT. & CHERT Static Water Level for non-flowing Well.....feet.

Shut-in Pressure for Flowing Well

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

Discharge in gal. per min. of flowing well 55 g.p.m.

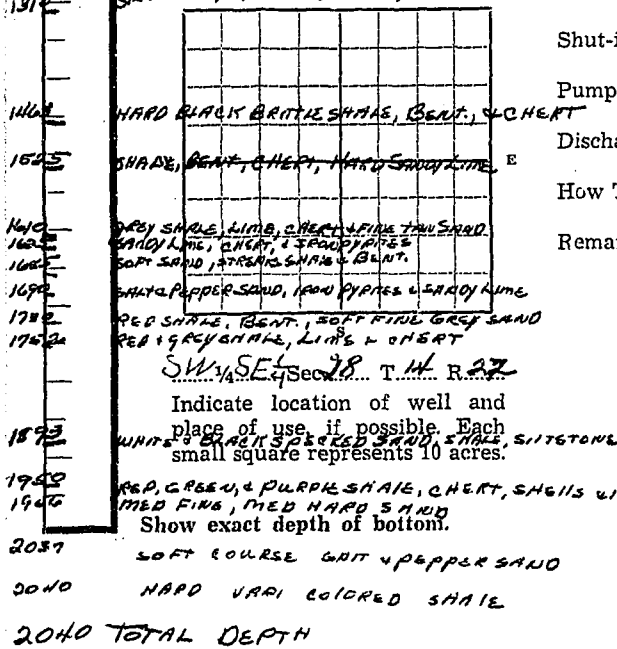
How Tested..... Length of Test.....

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) First Larkin

Fig. #21 casing anchor packer set at

1740 and second packer set at 1940



SW 1/4 Sec 28 T. 14 N. R. 27 E.

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

Show exact depth of bottom.

58
Driller's License Number
[Signature]
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 School of Mines and Quadruplicate for the Appropriator.

22892

234

STATE OF MONTANA }
County of Petroleum. } ss.

Filed DEC 31 1963 19

at 10:45 o'clock A. M.

Bonny d. Dugel
Director of Records.

7u: 2.7 Deputy

T. 14 N. R. 27 E.

County, Petroleum

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
NOV 14 1957

WATER WELL LOG

STATE ENGINEER

	29X		

Owner, Wene Bratton Address, Minnett, Montana

Driller, W. L. Livingston Address, Minnett, Montana

Date Started, Dec. 12, 1954 Date Completed, Jan 12, 1955

Location: Sec. 29 T. 14 N. R. 27 E 1/4 sec. 4 of sect. Approximately

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

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

Casing: 0 ft. to 1700 ft. Type, Thread & Coupled Size, 4 1/2" O.D.

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

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

Perforated or Screened: Ft. 1500 to ft. 1700 Ft. _____ to ft. _____

Type of screen or perforations, Slot perforations

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

Shut-in pressure, for flowing well: 20 # lb./sq. in. on: November 1956 (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)

Larkin figure 21 casing anchor packer set at 1497 to 1500 feet. Casing cemented around the top for four feet down. Well flowing 15 gals. per minute.

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	320	Shale with some firm streaks
320	327	Hard lime and calcite
327	480	Grey shale and some lime shells
480	490	Grey sand (medium hard)
490	740	Shale with some bentonite beds and lime shells
740	880	Hard Brittle grey shale (Mowery)
880	1200	Dark shale and some bentonite and lime streaks
1200	1210	shale and streaks of sand
1210	1250	Dark brittle shale
1250	1255	Bentonite
1255	1415	Soft to medium hard dark shale and some bentonite
1415	1500	Dark shale with hard fine sand streaks
1500	1510	Hard dark grey sand
1510	1547	Soft salt and pepper sand (medium coarse grained- First C.C.)
1547	1560	Dark shale
1560	1700	Red and grey shale (Keatonai) T.D. 1700'

STATE OF MISSISSIPPI
 County of Petroleum
 Filed 2076 18 1957
 at 2:35 o'clock P. M.
William R. Meekin
 County Recorder
 Done

16116

H.R.M.

TOWN 127E

6

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 Town of Winnett
Address Winnett, Mont. 59087
Date well started Sept. 20, 1972
completed Oct. 27, 1972

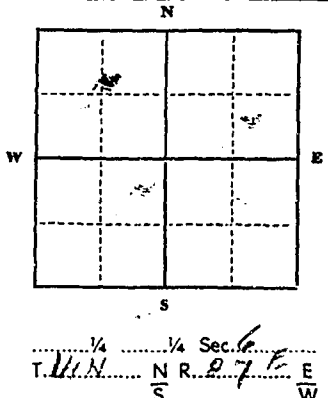
For Administrator's Use	
File <u>27696-327</u>	<u>Lab. 13 1973</u>
GW <u>105 p.m.</u>	

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 Casings	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
12 3/4"	8 5/8" 22#	0	213	cemented	213	0
7 7/8"	5 5/8" 15#	213	2080	Jecto	2068	2070
7 7/8"	open	2080	2153	Gun slots	1996	1992
					1978	1974



Static water level 1822 1870*
Pumping water level 224 ft.*
at 15 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by test pump
for 48 hours.
Power electric pump 15 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) _____
well flows 3 gal./min.
when pump shut off.

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

Driller's Signature B. M. Jensen
Driller's Address James Payne, Montana

LICENSE NO. 20

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	382	Nichrara shale
382	654	Cardile shale
654	688	Greenhorn limy shale
688	760	Belle Fourch shale
		streaks sandy
760	1070	Mowry shale - thin bedded sandy shale and sand
1070	1186	Thermonolis shale gray
1186	1490	Gray bentonite shale with sandy streaks
1490	1576	Skull Creek shale grey
1576	1650	Dakota silt
1650	1770	1st Cat Creek sand
	1770	Top Kootenai
1770	1864	Varigated shale
1864		Top 2nd Cat Creek sand
1864	1910	Sand
1910	1918	Red shale
1918	1958	Sand
1958	1963	Red shale
1963	2003	Sand
2003	2047	Varigated shale
2047	2060	Pinkish limestone
2060	2065	Green shale
2065	2100	Sand
2100	2118	Sandy shale
2118	2145	Inter-bedded sandstone and shale
2145	2153	Yellow GR. shale
		T. D.

2153 Show exact depth of bottom

50,405

27696

327

Town of Winnott

STATE OF MONTANA, }
County of Petroleum, } SS.

Filed FEB 13 1973 19

at 1:05 o'clock P. M.

Orene Barber
Director of Records.

Deputy

File No. 212

T. 14 R. 28

DUPLICATE

County Petroleum

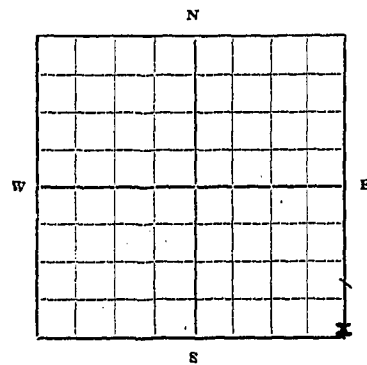
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

RECEIVED
JAN 3 1964
STATE ENGINEER

1. Joseph Self, of P. O. Box 204, Minnetonka, Minnesota
(Name of Appropriator) (Address) (Town)

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



SW 1/4 SE Sec. 3 T. 14 R. 28

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 Approx. December, 1956 continuous use since completed.

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 none

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater approx. Dec. 15 completed approx. Dec. 24, 1956

8. The depth of water table 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 Artesian, depth of well...140 feet 2 inch pipe

10. The estimated amount of groundwater withdrawn each year 5000 gallons per day.

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 Joseph Self

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 & Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quaaruplicate for the Appropriator.

20907

22400

STATE OF MONTANA,
County of Petroleum,) ss.

Filed DEC 31 1963

at 5 o'clock P. M.

Ernest P. Engel
Director of Records

J. J. 2.02 Deputy

RECEIVED

3

T. 14 R. 28
County Petroleum

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

			X

Owner Joe Self Address Winnett, Montana
 Driller George O. Singley Address Lowtown, Montana
 Date Started January 10, 1958 Date Completed January 19, 1958

Location: Sec. 3 T. 14 R. 28 1/4 sec. S&S
 Cable Tool

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

Water use: Domestic Municipal Stock Irrigation

Industrial Drainage Other: S & S 4 1/2 OD
 above ground 1 ft. to 159 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: 19 feet for 12 hrs.

Shut-in pressure, for flowing well: lb./sq. in. on: 1-17-58 (date)

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

How tested: Water flowed 75 gal. per min. time tested 5 min.

Length of test

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
 Shoe on bottom of casing. Packer set at 120'. 12 sacks cement

(over)

File No. 323

T. 14 R. 28

DUPLICATE

County Petroleum

LOG MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE STATE WATER CONSERVATION BOARD

Top of Ground

(Elev. above sea level.....)



- 15 Sandy loam, Gravel
- 85 Blue shale
- 90 Sandstone, small flow of water
- 115 Sandy shale
- 118 Hard cap rock
- 140 Sandstone, Water 130-140

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

Owner Leo Self Property Address Winnett, Montana

Driller George O. Singley Address Lewistown, Montana

Date of Notice of appropriation of groundwater None

Date well started June 22, 1972 Date completed June 23, 1972

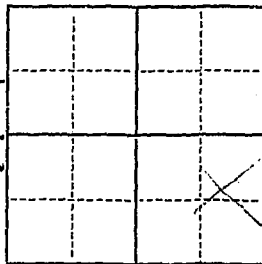
Type of well Drilled Equipment used Rotary
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7-7/8		0	21			
4-3/4		21	85			
3-7/8		85	140			
	6" Plastic	above				
	2" Galv.	2' above	21			
			126			

Doc. No. #323-22489
Filed for record
this 17th day of August
A. D. 19 72, at 10:30
o'clock A.M.



Indicate location of well and place of use, if possible. Each small square represents 40 acres.
NE 1/4 Sec. 3 T. 14 R. 28

Static Water Level for non-flowing well None feet.

Shut-in Pressure for Flowing Well 25

Pumping Water Level None feet at None gal. per minute.

Discharge in gal. per min. of flowing well 75

How Tested Measured

Length of Test 1 min.

Remarks: (Gravel packing, cementing, packers, type of shutoff) Cemented packer set at 85'

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

19
Driller's License Number

George Singley
Driller's Signature

51139

27489 4323
Leo Soil Property

STATE OF MONTANA,
County of Petroleum, } ss.

Filed AUG 11 1972 19

at 10:30 o'clock A M.

Orese Barber
Director of Records.

Deputy

RECORDED IN BOOK 1788
PAGE 1788
INDEXED IN BOOK 1788
PAGE 1788
OFFICE OF THE CLERK OF DISTRICT COURT
COUNTY OF PETROLEUM, MONTANA
MONTANA ARCHIVES
COMMISSIONER OF GEOLOGICAL SURVEY
STATE OF MONTANA