

RECEIVED

AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T 15N R 29E

County Petroleum

Charles Lease Well #2

WATER WELL LOG

X		

Owner Continental Oil Co. Address Box 878, Powell, Wyo.

Driller Address

Date Started Unknown Date Completed 4-18-21

Location: Sec. 21 T 15N R 29E 1/4 sec. NW-SE NE NW

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: Water Flood

Casing: Surface ft. to 1000 ft. Type - Size 10"

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 Open hole

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

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

Pumping water level 1000 feet at 2465 BW/Ho. gal. per min.

How tested: Tank Test

Length of test:

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

Water to be used for water flooding. At present well is producing oil and water.

(over)

Log of Well

[illegible]

Continental Oil Co. $\frac{45}{\text{U. R. M.}}$

GROUNDWATER INDEX

Page of

County Petroleum Twp. 15N Rge. 30E

[illegible]

STATE ENGINEER

County.....Petroleum.....

Brown Lease, Well #17

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

		6	
		8	

Owner Continental Oil Co. Address Box 878, Powell, Wyoming

Driller..... Address.....

Date Started 7-31-46 Date Completed 8-11-46

Location: Sec. 17 T. 15N R. 30E ¼ sec. SW SE

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

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

Casing: Surface ft. to 1450 ft. Type 14 lb Size 5 1/2"

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.....Open hole.....

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

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

Pumping water level.....1450.....feet at 19,000 BW/No.....gal. per min.....

How tested: Tank test

Length of test.....

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

Produced water to be used for water flooding. At present well is oil and water.

(over)

Log of Well

[illegible]

Continental oil Co. $\frac{26}{4.9 m}$

RECEIVED
AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 15N R. 30E

County. Petroleum

Brown Lease, Well #15

WATER WELL LOG

			X

Owner. Continental Oil Co. Address. Box 878, Powell, Wyoming

Driller. Address.

Date Started. 4-15-46 Date Completed. 4-23-46

Location: Sec. 17 T. 15N R. 30E 1/4 sec. SE SE

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other: Water flooding

Casing: Surface ft. to 1400 ft. Type. 14 lb Size. 5"

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. Open hole

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

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

Pumping water level. 1400 feet at 110 BW/Mc. gal. per min.

How tested: Tank test

Length of test.

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

Produced water to be used for water flooding. At present well is producing oil and water.

(over)

Log of Well

[illegible]

Continental Oil Co.

27
U.R.M.

RECEIVED

AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 15N R. 30E

County Petroleum

Brown Lease, Well #12

WATER WELL LOG

			X

Owner Continental Oil Co. Address Box 878, Powell, Wyoming

Driller Address

Date Started 2-17-46 Date Completed 3-4-46

Location: Sec. 12 T. 15N R. 30E 1/4 sec. SE 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: Water flooding

Casing: Surface ft. to 1492 ft. Type 23 lb Size 7"

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 Open hole

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

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

Pumping water level 1492 feet at 50 BW/Mo. gal. per min.

How tested: Tank Test

Length of test:

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

Produced water to be used for water flooding. At present well is producing oil and water.

(over)

Log of Well

[illegible]

Continental oil Co.

$$\frac{28}{U.19m.}$$

RECEIVED
AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 15N R. 30E
County Petroleum
Brown Lease, Well #10

WATER WELL LOG

			x

Owner Continental Oil Co. Address Box 878, Powell, Wyoming
Driller Address
Date Started Unknown Date Completed 12-20-45
Location: Sec. 17 T. 15N R. 30E ¼ sec. SE SE

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

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

Casing: Surface ft. to 1422 ft. Type 14 lb Size 5 1/2"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or screened: Ft. 1402 to ft. 1421 Ft. to ft.

Type of screen or perforations bullet

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

Shut-in pressure, for flowing well: 1403 lb./sq. in. on: (date)

Pumping water level: feet at 110 BW/No. gal. per min.

How tested: Tank test

Length of test:

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

Produced water to be used for water flooding. At present well is producing oil and water.

(over)

Log of Well

[illegible]

Continental oil Co. 29
U. S. M.

RECEIVED

AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 15N R. 30E

County Petroleum

Brown Lease, Well #4

WATER WELL LOG

		X

Owner Continental Oil Co. Address Box 878, Powell, Wyoming

Driller Address

Date Started 5-14-23 Date Completed 5-29-23

Location: Sec. 17 T. 15N R. 30E 1/4 sec. NE SE

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other: Water flooding

Casing: Surface ft. to 1040 ft. Type 20 lb Size 6 5/8"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or screened: Ft. 1064 to ft. 1084 Ft. to ft.

Type of screen or perforations Bullet

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

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

Pumping water level 1064 feet at 20 BW/Mo. gal. per min.

How tested:

Length of test:

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

Produced water to be used for water flooding. At present, well is producing oil and water.

(over)

Log of Well

[illegible]

Continental side. $\frac{30}{4.6m}$

RECEIVED
AUG 20 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 15N R. 30E

County Petroleum
Brown Lease, Well #3

WATER WELL LOG

			X

Owner Continental Oil Co. Address Box 878, Powell, Wyoming

Driller Address

Date Started 9-22-22 Date Completed 10-13-22

Location: Sec. 17 T. 15N R. 30E 1/4 sec. NE SE

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

Water use: Domestic Municipal Stock Irrigation

Industrial Drainage Other: Water flooding

Casing: Surface ft. to 1055 ft. Type 2 1/2 lb. Size 8 1/4"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated casing: Ft. 1085 to ft. 1092 Ft. to ft.

Type of screen or perforations Open hole

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

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

Pumping water level 1085 feet at 120 BW/Min. gal. per min.

How tested: Tank Test

Length of test

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

Produced water to be used for water flooding. At present, well is producing oil and water.

(over)

Leg of Well

[illegible]

Continental and $\frac{\partial}{\partial t}$
v.f.m

File No.

DUPLICATE

T. 15 N. R. 30 E.

County Petroleum

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

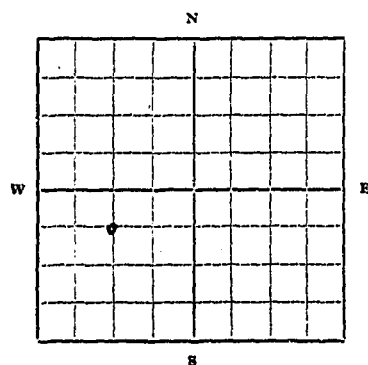
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED

STATE ENGINEER

1. Lyle Kimble of Cat Creek,
(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 2 1/4 Sec. 21 T. 15. R. 30

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

2. The beneficial use on which the claim is based household--also stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1921 Been in continuous use since then on this place.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 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 used on 10 acres in Sec. 21 T. 15 N. R. 30 E. Owner Lyle Kimble
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal artesian--free flowing.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started and completed in 1921
8. The depth of water table Approx. 1200 feet.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
10. The estimated amount of groundwater withdrawn each year 52,560,000 gal.
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Lyle Kimble

Date July 10, 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.

20312

159 BLD.

STATE OF MONTANA, } ss.
County of Petroleum.

Filed July 10 1962

at 2:15 o'clock P. M.

Velma R. Merten
County Recorder.

Benny L. Dwyer
Deputy.

GW

File No.

DUPLICATE

T. 15 N. R. 30 E.

County Petroleum

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

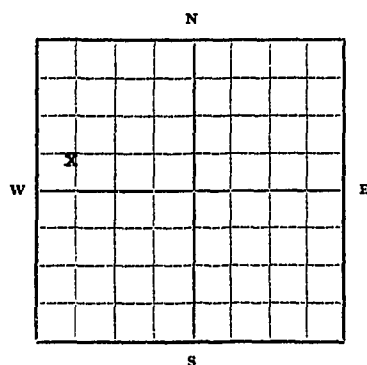
RECEIVED
JAN 2 1962

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. R. L. Moss, also known as Robert Moss, of Mosby
(Name of Appropriator) (Address) (Town)
County of Garfield State of Montana,
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 NW 1/4 Sec. 27 T15N R. 30E

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 Approximately April of 1923 and continuously thereafter
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute
5. If used for irrigation, give the acreage 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 Free flowing artesian well until 1957; thereafter pumped with gas engine and pump jack--situate in NE corner of SW 1/4 NW 1/4 Sec. 27-15-30
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced and completed approximately April, 1923
8. The depth of water table Approximately 1000 feet to second Cat Creek sand
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 1000 feet 2" casing discharging into 2" pipe, thence into stock tank. Water withdrawn since 1957 by means of gas engine and pump jack.
10. The estimated amount of groundwater withdrawn each year 2,628,000 gallons
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 not applicable

Signature of Owner R. L. Moss
Also known as Robert Moss

Date January 31, 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 School of Mines and Quadruplicate for the Appropriator.

20154

151
D.R.M

STATE OF MONTANA.
County of Petroleum.

Filed April 20 1962

at 3:05 o'clock P. M.

Helma R. Montan
County Recorder.

Deputy

CV

File No.

DUPLICATE

T. 15 N. R. 30 E.

County Petroleum

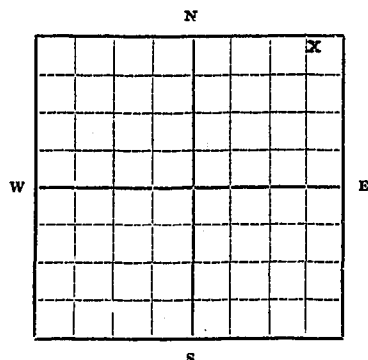
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 22 1962

Declaration of Vested Groundwater Rights

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

1. R. L. Moss, also known as Robert/ Moss of Mosby
(Name of Appropriator) (Address) (Town)
County of Garfield State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 NE 1/4 Sec. 31, T. 15 N. R. 30 E

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

2. The beneficial use on which the claim is based Stock water and flood irrigation.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been June, 1929, and continuously thereafter to date hereof.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1/2, 1/2 Section 30, N 1/2 Section 29, Twp. 15 North, Rge. 30 East, M.P.M. - alloted grazing district lands to R. L. Moss.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Free flowing artesian well situate in NW corner of NE 1/4 NE 1/4, Sec. 31, Twp. 15 North, Rge. 30 East, M.P.M.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced and completed approximately in June of 1929.
8. The depth of water table approximately 1500 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 1500 feet of 6" casing into third Cat Creek sand flowing into 3" discharge pipe, thence into stock tank and across lands and premises above described for irrigation.
10. The estimated amount of groundwater withdrawn each year 2,628,000 gallons.
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 not applicable.

Signature of Owner R. L. Moss
Also known as Robert Moss
Date January 31, 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 School of Mines and Quadruplicate for the Appropriator.

20153

150
V.R.M.

STATE OF MONTANA, } ss.
County of Petroleum.

Filed April 20 1962

at 3:00 o'clock P. M.

Helene R. Merten
County Recorder.

Deputy.

GROUNDWATER INDEX

Page of

County Petroleum Twp. 14N Rge. 25E

[illegible]

T. 14 R. 25 6
County Pitkin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER

Owner Wm. A. Bishop Address Winniford, Mont
Driller P. L. Ferguson Address Roundup, Mont
Date Started Apr 11, 1958 Date Completed Jan 5, 1958
Location: Sec. 5 T. 14 R. 25 $\frac{1}{4}$ sec. NE NE

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

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

Casing: 2 ft. to 100 ft. Type Steel Size 6"
Casing: _____ ft. to _____ ft. Type _____ Size _____
Casing: _____ ft. to _____ ft. Type _____ Size _____
Perforated or Screened: Ft. 30 to ft. 70 Ft. 80 to ft. 90
Type of screen or perforations Slot

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: Surge

Length of test 1 hour

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

(over)

Log of Well

[illegible]

19071

T. 14 R. 25
County Butte

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Wm. H. H. H. Address STATE ENGINEER
Driller F. L. H. H. Address Butte, Mont.
Date Started Dec. 1, 1951 Date Completed Jan. 1, 1952
Location: Sec. 6 T. 14 R. 25 1/4 sec. N.E. 1/4

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

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

Casing: 1 ft. to 35 ft. Type Steel Size 4"
Casing: 1 ft. to 553 ft. Type Steel Size 6"
Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. 553 to ft. 581 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 3.0 gal. per min.

How tested: pumping

Length of test 1 hr.

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

(over)

Depth, feet		Description of Material Drilled
From	To	
0	35	Mining Shale - no 1" casing
35	75	Mining Shale
75	125	Calcareous Shale
125	375.3	Lighter sandstone. No 2" casing 30'

STATE OF MONTANA, }
County of Petroleum.

Filed Dec. 1 1960

at 4:40 o'clock P. M.

Helma R. Menden
County Recorder.

Deputy.

17/11.11.11

STATE OF MONTANA,
County of Petroleum.

Dec. 1 1960

4:40 o'clock P. M.

Helene R. Merten
County Recorder.

	Debit.	Credit.
Jan 1		100.00
Feb 1	50.00	
Mar 1		75.00
Apr 1	25.00	
May 1		60.00
Jun 1	15.00	
Jul 1		80.00
Aug 1	30.00	
Sep 1		90.00
Oct 1	40.00	
Nov 1		100.00
Dec 1	50.00	
Total	250.00	600.00

File No. 194

T. 14N R. 25E

DUPLICATE

County Petroleum

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

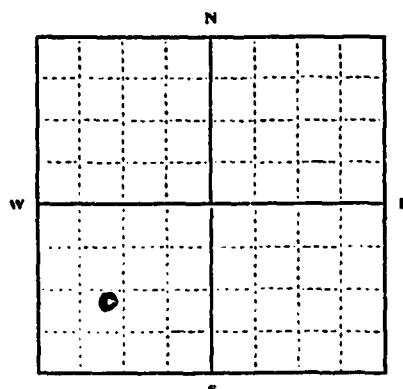
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

DEC 23 1963
STATE ENGINEER

1. L. D. Archer, of Teigen, Montana
(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:



Lot 7

SW 1/4 SW 1/4 Sec. 6 T. 14 R. 25

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~~
~~house use and garden~~
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1957 drilled, used every day
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute in bottom
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, only garden spot irrigated~~
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
~~pumped out by pump jack with electric motor~~
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Nov. 10, 1957 started, completed in July 1958
8. The depth of water table 525 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
525 Ft deep, with six inch casing
10. The estimated amount of groundwater withdrawn each year 200 Gallons per day
11. The log of formations encountered in the drilling of each well if available 0 to 35 Ft maury shale
used 8 in. casing to cement off bad water. 35 to 70 maury shale
75 to 525 colorado Shale 252 to 553 lakato sandstone Water
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Date

L. D. Archer
12-18-63

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.

11705

22335

File No. 194/Bed

STATE OF MONTANA,
County of Petroleum, }

Filed DEC 19 1963

at 12:40 o'clock P. M.

Darryl L. Engel
Director of Records.

74:2:20 Deputy

File No. 203

DUPLICATE

T. 14 N R. 25 E 14
County Petroleum

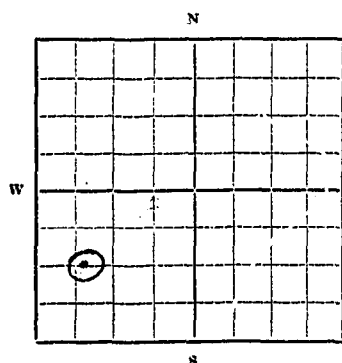
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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 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. 1/4, SW 1/4 Sec. 14, T14N R. 25E

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 summer of 1952
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 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 in summer of 1952
8. The depth of water table 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" iron casing, about 20 feet deep
10. The estimated amount of groundwater withdrawn each year 300,000
11. The log of formations encountered in the drilling of each well if available 10 feet of surface soil and 10 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

JOE C. KING & SONS, INC.
Signature of Owner By: Joe C. King
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.

15491

22355 *File No. 203*

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

Filed DEC 26 1968 19__

at 3:30 o'clock P.

Donny L. Dengel
Clerk of Records

W. J. 2. 12 Deputy

File No. 205

DUPLICATE

T. 14 N R. 25 E S. 15County Petroleum

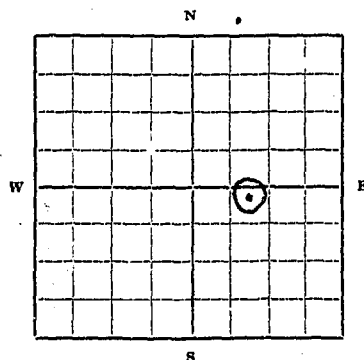
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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 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:



NW 1/4 Sec 15 T14N R 25E

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 live stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been continuous since 1946
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 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 commenced and completed in fall of 1946
8. The depth of water table 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, 17 feet deep
10. The estimated amount of groundwater withdrawn each year ex 300,000 gallons
11. The log of formations encountered in the drilling of each well if available about 10 feet of top soil and 7 feet of sandy 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

JOE C. KING & SONS, INC.

Signature of Owner Joe C. King III PresDate December 18, 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.

15493

22357

File no 205

STATE OF MONTANA,
County of Petroleum, } ss.

Filed DEC 26 1963 19

at 3:40 P. M.

Donny L. Stengel
Deputy

Fee: 2.00

Deputy

SEE FERGUS COUNTY
FOR ORIGINAL

T. 14 R. 25
County. Fergus

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

1 Schultze Address Grass Range, Montana

Wm. C. Singley Address Lewistown, Montana

Dec. 26, 1957 Date Completed Dec. 26, 1957

c. 18 T. 14 N. R. 25 E. 1/4 sec.

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 2 ft. to 20 ft. Type S A S Size 7" OD

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 10 to ft. 20 Ft. to ft.

Type of screen or perforations Slots

Static Water level, for non-flowing well: 5 feet.

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

Pumping water level: 15 feet at 20 gal. per min.

How tested: Pumped

Length of test: 1 hr.

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

7" OD casing drove to 20'

(over)

RECEIVED
JAN 10 1958

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 14 R. 25
County Fergus

WATER WELL LOG

Well #2

	18	

Owner Red Schults Address Grass Range, Montana

Driller George C. Hingley Address Lowistown, Montana

Date Started Dec. 26, 1957 Date Completed Dec. 31, 1957

Location: Sec. 18 T. 14N R. 25E 1/4 sec.

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 2 ft. to 20 ft. Type S & S Size 7"OD

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

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

Perforated or Screened: Ft. 10 to ft. 20 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 15 feet at 20 gal. per min.

How tested: Pumped

Length of test 1 hr.

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

7"OD casing drove to 20'

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	1	Topsoil
1	10	Yellow clay
10	20	Gravel, Water
20	25	Water, Blue shale

State of Montana
County of Fergus, ss
JAN 6 1952
Filed
3.30
O. M.
50 dpt
County Clerk and Recorder

COPY

90385

00

File No. 206

DUPLICATE

T. 14N R. 25E 23
County PetroleumSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

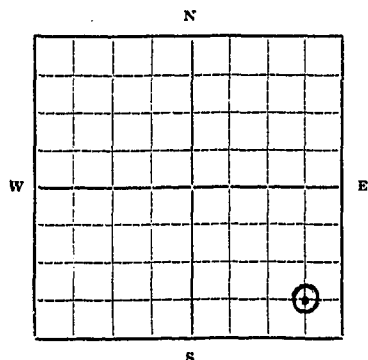
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 30 1963

STATE ENGINEER

1. JOE C. KING & SONS, INC., of Box 177 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:

SE 1/4 Sec 23 T. 14N R. 25E

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 July 1958 to present (1963)

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 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 flowing
artesian well at 90 pounds pressure shut-in

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

8. The depth of water table not applicable - 90 psi sip

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 with 4 inch iron casing, 1,027 feet
deep

10. The estimated amount of groundwater withdrawn each year 5 million gallons

11. The log of formations encountered in the drilling of each well if available 100' Colorado Shale,
200' Newcastle, 300' Skull Creek, 450' Dakota Silt, 600' First Cat Creek Sand,
850' Kootanie Shale, 900' Second Cat Creek, 1010' Third Cat Creek TD 1027

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 well driller's report on record with
Montana State Engineer

JOE C. KING & SONS, INC.

Signature of Owner Joe C. King III
PresidentDate December 18, 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.

15494

22358

File No 201

STATE OF MONTANA,

County of Beaverhead.

Filed DEC 26 1963 19

at 3:45 P.M.

Donny L. Deangel
Deputy

Dec 26 1963 Deputy

23

T. 11N R. 25E
County PETROLEUM

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

25

	X	

Owner JOE C. KING & SONS Address WINNETT, MONTANA.
Driller W. L. LIVINGSTON Address WINNETT, MONTANA.
Date Started June 1st, 1957 Date Completed July 25, 1957.
Location: Sec. 23 T. 11N R. 25E 1/4 sec. SW 1/4 NE 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 1017 ft. Type steel Size 5 1/2
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: 90 lb./sq. in. on: July 25th, 1957 (date)

Pumping water level feet at gal. per min.

How tested: pressure-gauge

Length of test one hour

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

Casing is cemented in. Flows at 8 gallons per minute.

5 1/2" O.D. 14.81# per ft. Casing set on top of Third Cat Creek sand and cemented by B.J. Co. enters with 135 sacks of type 1 cement. 12

Cement allowed to set 72 hours before drilling plug.

(over)

Log of Well

[illegible]

Joe L. King & sons
16006 $\frac{\$46}{\text{U.R.M.}}$

File No. 204

DUPLICATE

T. 14N R. 25E
County Petroleum

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

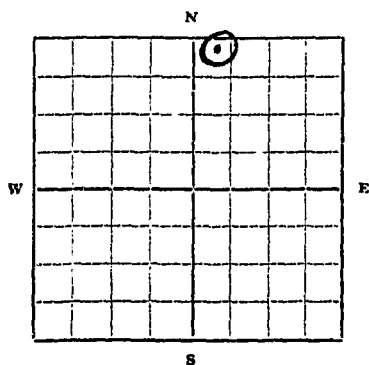
RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Joe C. King & Sons, Inc., of Box 177, 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:



NW 1/4 NE 1/4 Sec. 23 T. 14N R. 25E

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 May 1961 continuous to present
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 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 electric 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 in May 1961
8. The depth of water table 9 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 with 8 inch iron casing, 17 feet deep
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 about 12 feet of top soil and 5 feet of sandy 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 records none

JOE C. KING & SONS, INC.

Signature of Owner BY: Joe C. King III
President

Date December 18, 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.

15492

22356 *File No. 204/*
Red

STATE OF MICHIGAN }
County of Washtenaw }

Filed DEC 26 1963

at 3:35 P.M.

Donny L. Dengel
Deputy of Recorder

He: 2.00 Deputy

File No. 209

DUPLICATE

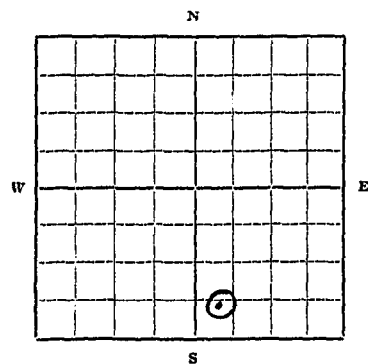
T. 14 R. 25 24
County Petroleum

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

RECEIVED
DEC 30 1963
STATE ENGINEER

1. Joe C. King & Sons, Inc., of Box 177 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:



SW 1/4 Sec. 24 T14N R25E

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 Summer of 1946
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 Summer 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 stovepipe casing, about 17 feet
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 7 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

JOE C. KING & SONS, INC.
Signature of Owner By: [Signature]
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.

15497

22361

File no. 209

STATE OF MONTANA.)

County of Yellowstone.)

Filed DEC 26 1963

At 4:05 P.M.

Lonny L. Dengel
Deputy

Dec. 2, 00

Deputy

File No. 236T 14 N R 25 E

DUPLICATE

County Petroleum

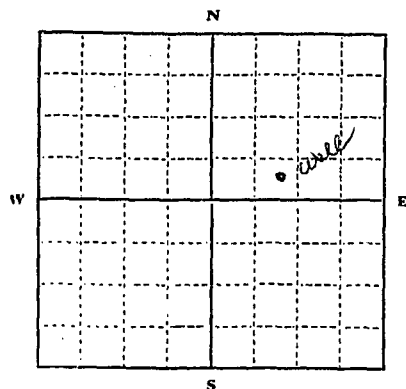
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. William Dagner, of Grass Range, Montana
(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:



..... $\frac{1}{4}$ Sec. 31 T. 14 R. 25

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

2. The beneficial use on which the claim is based domestic and livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 1, 1952
used every day since completion
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute
5. If used for irrigation, give the acreage 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 runs by itself
artesian well
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. started June 1, 1950
completed July 1951
8. The depth of water table 620 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. 4 inch casing drilled to depth of 740 feet
10. The estimated amount of groundwater withdrawn each year. 225,000 gallons a year.
11. The log of formations encountered in the drilling of each well if available. none 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

William DagnerDate December 29, 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.

20901

22394

236

STATE OF MONTANA,
County of Petroleum,

Filed DEC 31 1963 19__

at 10:53 o'clock A.M.

Donny L. Dingle
Director of Records

9u: 2.00 Deputy

File No. 210

DUPLICATE

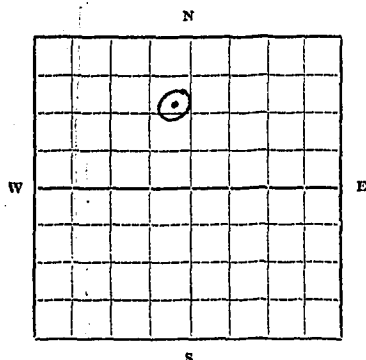
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

T. 14 N R. 25 E 35
County Petroleum

RECEIVED
DEC 30 1963
STATE ENGINEER

1. Joe C. King & Sons, Inc., of Box 177 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 NE 1/4 Sec. 35 T. 14 N R. 25 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 livestock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been approx 1945 or 1946
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 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 not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal artesian flow
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater during 1945 or 1946
8. The depth of water table unknown
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater about 900 feet drilled
10. The estimated amount of groundwater withdrawn each year 1,300,000 gallons
11. The log of formations encountered in the drilling of each well if available water coming from the third Cat Creek
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

JOE C. KING & SONS, INC.

Signature of Owner By: Joe C. King IIIDate 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.

15498

22362 File no. 210

STATE OF MONTANA)

County of Petroleum,)

Filed DEC 26 1963

at 4:05 P. M.

Donny L. Deugel
Director of Records

Deputy

GROUNDWATER INDEX

Page ____ of ____

County Petroburg Twp. 14N Rge. 26E

[illegible]

14 26
T. R.
County. Petroleum
RECEIVED

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG

Owner George D. Ore Address Winnett, Mont.
Driller Earl Phillips Address Winnett, Mont.
Date Started Feb. 23, 1954 Date Completed Feb. 23, 1954
Location: See 6 14 26 NW 1, I believe,
on lot 17 Block 15, Original Townsite of Winnett, Mont.

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

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

Casing: one ft. to 31 ft. Type about 5" Size

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size
perforated the last five or six feet

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

Type of screen or perforations slot in casing, believe on two sides, about one foot
long, a space and then another slot in casing.

Static Water level, for non-flowing well: about 18 1/2 ft. down feet.

Shut-in pressure, for flowing well: not flowing lb./sq. in. on:

Pumping water level: about 18 ft.* down, goes down when pumping (date) Est. 2,
feet at gal. per min.

How tested: ordinary piston pump, about 1 1/2" in size

Length of test: two hours or so usually, sometimes longer

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
gravel packed about half way, then packed with silt outside to top

(over)

Log of Well

[illegible]

File No.

WATER CONSERVATION BOARD

T. 14. R. 26. E.

DUPLICATE

DEC 12 1966

County Petroleum

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

0 Top of Ground
20 Valley Fill & Gravel
65 (Elev. above sea level) Dickey
165 Sticky Shale
520 Shale & Bentonite Strks.
690 Heavy Shale (teeth fossils)

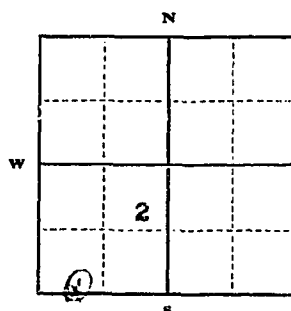
Notice of Completion of Groundwater Appropriation by Means of Well DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

1230 Shale- Bentonite Strks. Owner Rex Eager Address Winnett, Mont.
1237 Hard Sand - Top of first Cat Creek Sand- Driller Manion Drig. Co. Address Grass Range, Mont.
1328 Shale- Sand Strks. (Poor Porosity- flowed 1/2 gal. / Min.) Date of Notice of appropriation of groundwater Not Applicable
1380 Kootenau- Reddish Shale Date well started Oct. 20 1966 Date completed Nov. 18 1966
1502 Red Clay- Greenclay- Chert Linsey Shales- Chert- Red Clay Strks. Type of well Drilled Equipment used Rotary
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)
1510 Hard Line- Top of Second Bench Second Bench of 2nd cat creek sand- Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

1520 Silty Sand (poor porosity) 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.
1610 Flowed 2 Gal./Min. Hard line strks. Varigated shale-silty sand strks.
1618 Hard Sandy Line (Top of Third Cat Creek Sand

	Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
					Kind Size	From (Feet)	To (Feet)
1650 Line Strks. Sand Lenses	13 3/4		0	22			
1654 Linsey Shale		5 5/8 O.D.	0	22			
1661 Salt & Pepper Sand (Very Good Porosity-Flows 20 Gal/6 1/4 Per. Min.)		1 1/2 C.D.	0	1700			
1690 Carbonaceous Shale-Thin Sand Lenses-Iron Pyrites-							
1700 Hard Black Shale-Iron Pyrites-I.D.							



Static Water Level for non-flowing wellfeet.

Shut-in Pressure for Flowing Well 6.2 #

Pumping Water Levelfeet

atgal. per minute.

Discharge in gal. per min. of flowing well

20

How Tested.....

Length of Test.....

Remarks: (Gravel packing, cementing, pack-

ers type of shut-off) Surface cemented

0 to 22 Halliburton cemented

0 to 1700 -- McGillough Log

and Jet Perforated standard

jet shots 1656 to 1671

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

Well flowing 20 Gal. / Min.

(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. Munson
Driller's Signature

41, 422

No. 286

For: \$2.00 Deputy

Mr. Tolson

The above information was obtained from the files of the FBI, New York City Office, dated 10/10/68.

[illegible]

File No. 187

DUPLICATE

T. 14 N. R. 26 E.

County Petroleum

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

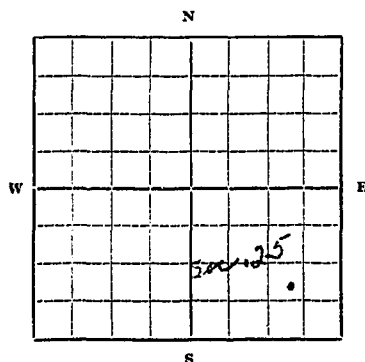
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 9 1963

STATE ENGINEER

1. Floyd R. Williams Hill of Winnett Mont.
(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:



SE 1/4 Sec. 25 T. 14 N. R. 26 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 & domestic use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been December 2, 1950
continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof at well sight, 10 acres irrigated
Floyd R. Williams Hill owner
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal artesian flow
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced Oct 5 1950
Completed Nov 2 1950
8. The depth of water table 1810 ft to first water
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 5 1/2 inch 14 lb casing 1920 ft deep
10. The estimated amount of groundwater withdrawn each year 525,600 gal per year
11. The log of formations encountered in the drilling of each well if available 3rd cat creek sands from 1810' to 1837' + 1810' to 1874'
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 Floyd R. Williams

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.

7216

22298 *File #187*

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

Filed DEC 6 1963

at 11:00 o'clock A. M.

Donald L. Engel
Director of Records.

2.00

Deputy

File No. 203

DUPLICATE

T. 14N R. 26E
County Petroleum

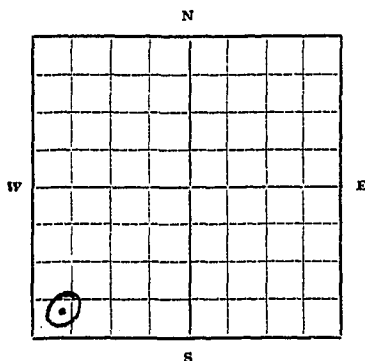
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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 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:



SW 1/4, Sec 27, T. 14N 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 July 1961 to present
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 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 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 in July 1961
8. The depth of water table 12 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 4" stovepipe casing to 60 feet - drilled well
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 10' surface clay, 17' sandy gravel, 24' sticky clay and shale, 60' shale Bottom
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

JOE C. KING & SONS, INC.
Signature of Owner By: Joe C. King
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.

22354

File No. 202
BRE

STATE OF MONTANA,
County of Petroleum.

Filed DEC 26 1963 19

at 3:20 p.m.

Donny L. Dwyer
Director of Records

Feb. 2, 66 Deputy

File No. 201

DUPLICATE

T. 14 N R. 26 E

County Petroleum

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

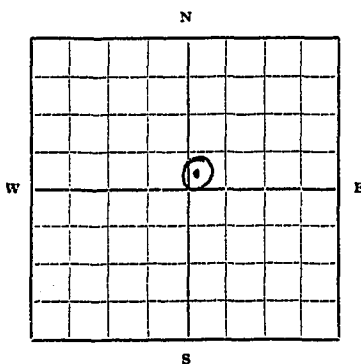
RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. JOE C. KING & SONS, INC., of Box 177 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:



SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 29 T. 14 N. R. 26 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 livestock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 1961 to present
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 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 in June 1961
8. The depth of water table 12 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 71 feet with 6" stovepipe casing to bottom
10. The estimated amount of groundwater withdrawn each year 100,000 gallons
11. The log of formations encountered in the drilling of each well if available none 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 JOE C. KING & SONS, 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.

15489

22353 File no 201

STATE OF MONTANA, }
County of Petroleum. }

Filed DEC 26 1963

at 3:15 P.

Donny L. Dingle
Deputy Clerk of Court

Fee: \$2.00 Deputy

4--Helena Independent Record
File No. 207
DUPLICATE

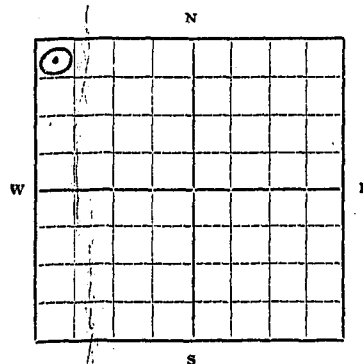
T. 14 N. 26 E. 30
County Petroleum

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, 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:



NW 1/4, NW 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 December 1960 to present
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 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 in December 1960
8. The depth of water table 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 with 8 inch iron casing, 18 feet deep
10. The estimated amount of groundwater withdrawn each year 300,000 gallons
11. The log of formations encountered in the drilling of each well if available about 12 feet of top soil and 6 feet of sandy 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

JOE C. KING & SONS, INC.
Signed Joe C. King, III
President
Date December 18, 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.

15495

22359

File no. 207

STATE OF MONTANA)

County of Petroleum)

Filed DEC 26 1963

at 3:55 P. M.

Donny L. Dangel
Deputy

Fee: 2.00 Deputy