

115934

CARTER COUNTY
EXETER, MONTANA
Filed for Record
at 4:35
AUG 1 1965

John M. Brewster
County Clerk
Deputy

Fee paid \$2.00

File No. _____

DUPLICATE

T 25 R 56-E

County

CARTER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

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

1 TAN SAND
18 TAN & GRAY SHALE
24 TAN SAND
24 GRAY SHALE
27 BROWN SHALE
31 TAN SHALE
39 LIGHT BLUE GRAY SHALE
48 GRAY SHALE
63 TAN & BROWN SANDY SHALE
74 BLUE SHALE
76 BLUE SILTSTONE
82 ~~TAN SANDY SHALE~~
112 BLUEY BLACK SAND
112 GRAY SHALE
142 LIGHT BLUE & WHITE SAND
142 BROWN & GRAY SHALE

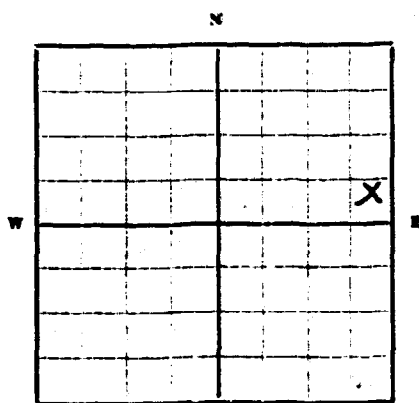
Owner KATE SCHULTZ Address ERLAKA MONT.Driller MARIE R. BARRY Address BELL FOURCHES, S.D.

Date of Notice of Appropriation of Groundwater _____

Date well started 7-1-62 Date Completed 7-2-62Type of well DRILLED Equipment Used ROTARY
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 7/8	4 in ID, 11 #	0	147 1/2	5 7/8 CUT W. TH TOUCH	86	142



SE 1/4 NE Sec 20 T 25 R 56-E

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

Show exact depth of bottom.

147

Static Water Level for non-flowing Well 86 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 115 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested pumped Length of Test 1 hour

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)

112
Driller's License Number

Marie R. Barry
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.

1791

110341

Filed for Record

at 4:45 PM

JUL 3 1962

Lay Nickerson

County Clerk

James M. Smith

Fee pd \$2.00

21

File No. _____

T. 2 S. R. 56 E

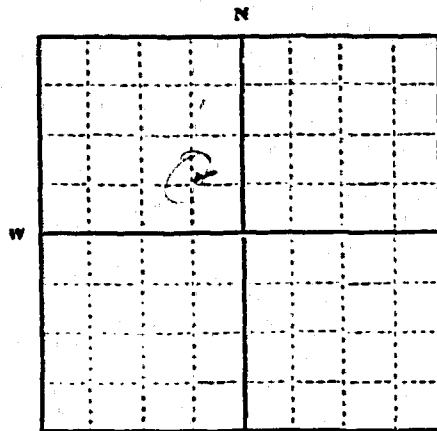
DUPLICATE

County Carter
RECEIVED
DEC 13 1963STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

**Notice of Completion of Groundwater Appropriation
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Nov-1958Owner Kate Schultzy Address Ekelaka-MontContractor (if any) James MunroAddress of Contractor Ekelaka-MontDate Started Oct 28-1958 Date Completed Nov 4-1958

Sec. 1, 7th Sec. 21, T2S, R56E

Indicate point of appropriation
and place of use, if possible.Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth towater when applicable. Water obtained by digging a basin
about 3 ft deep to coal layer then opening a
water vein. A cement wall built to guide
water to reservoir gas + covered. Water leads
out through bottom pipe to electric water tank.
Basin completed with 1 ft layer of rock on
bottom covered with dirt. Water depth about 3 ft.Quantity of water developed and used with explanation of method
used to measure or estimate such amount. If use is intermittentestimate approximate lengths of periods of use. Springproduces about 1 1/2 gal per min. and
is used from Oct through May
intermittently.Signature of Owner Kate SchultzyDate Dec 9-1963This form to be prepared by contractor (if any), otherwise by the owner. Contractor not
availableThree copies of this notice are to be filed with the County Clerk and Recorder of the county in which the
works are located.

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

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

8767

112942

Filed for Record

at 11:40 a.m. on Dec 9, 1963

James M. Brunette
County Clerk

Deputy

Fee \$2.00

104837

RECEIVED
JUL 30 1959MONTANA BUREAU OF MINES AND GEOLOGY
Butte, MontanaT 2 S R 56 E
County Carter

STATE ENGINEER

WATER WELL LOG

	X	

Owner Donald W. Schnitz Address Malta, MontanaDriller Marle R. Pandy Address Belle Fourche, S.D.Date Started June 6, 1959 Date Completed June 9, 1959Location: Sec 23 T 2 S R 56 E 1/4 sec. 34 NEType of well Drilled Equipment used Rotary
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

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

Casing: 0 ft. to 254 ft. Type Black Size 4"

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

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

Perforated or Screened: Ft. 210 to ft. 240 Ft. _____ to ft. _____

Type of screen or perforations: _____

Static Water level, for non-flowing well: 150 feet.

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

Pumping water level 219 feet at 1 8 gal. per min. OneHow tested: pumpedLength of test 1 hr.

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

(over)

Log of Well

[illegible]

113056

File No. _____

DUPLICATE

25 56 E 23
T. _____
County _____

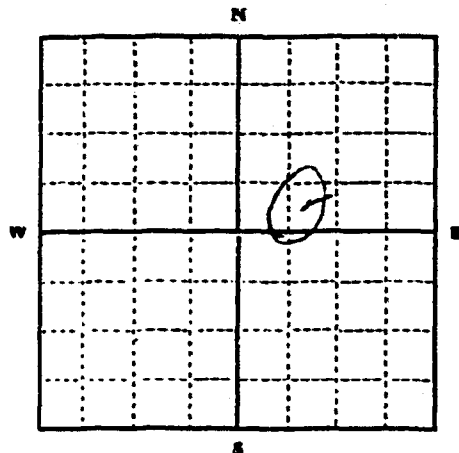
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 20 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Wm. Leonard Schultz of Eden (Town)
(Name of Appropriator) (Address)
County of _____ State of Mont.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.
T. 23 S. 56 E.
Sec. 23 25

2. The beneficial use on which the claim is based On water well used to water livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 10, 1959, and continuously since that date.

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pumped by electricity. Location described at left

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June 6 - 1959 completed June 7 - 1959

8. The depth of water table 90 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 4 inch hole dug 254 ft. deep

10. The estimated amount of groundwater withdrawn each year 25000

11. The log of formations encountered in the drilling of each well if available 4 ft. surface to 96 ft. gray shale - brown shale - gray shale - sand - blue to black shale - sand - gray to black shale - sand - 238 to 253 ft. light gray silty shale

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 Wm. Leonard Schultz
Date Dec 16 - 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.

10634

Filed for Record
at 1:45 o'clock P.M.

DEC 16 1963
Jane M. Brewster

Cally M. Stuy
County Clerk
Deputy

File No.

T. 25 R. 56E
County Custer
JAN 7 1964

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

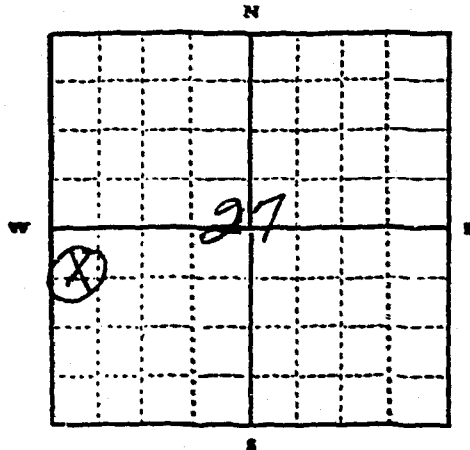
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Carson Griffin of Elkhart
(Name of Appropriator) (Address) (Town)

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



NW 1/4 Sec 27 T25 R56E

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

1959

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

7 gal Per Min

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

None

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

Gas Motor + Pump

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

9-21-59 to 9-27-59

8. The depth of water table

315 ft

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

10. The estimated amount of groundwater withdrawn each year 500,000

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

Not Available

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

Signature of Owner

Carson Griffin

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.

25900

113469

Filed for Record
" 3:05 P M

James M. Brewster
County Clerk

Deputy

Fee \$ 2.00

File No. 113469

DUPLICATE

T25 R 56E

County CARTERSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERNotice of Completion of Groundwater
Appropriation by Means of Well ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Owner CARSON GRIFFIN Address ENLAKA MONT.Driller MERIE R. BONDY Address BELLE FOURCHE, S.D.

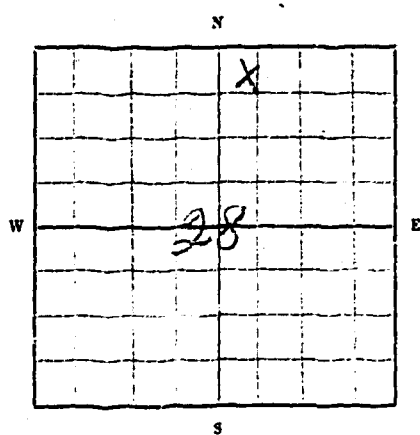
Date of Notice of Appropriation of Groundwater

Date well started 6-29-62 Date Completed 7-1-62Type 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, Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Top of Ground (Elev. above sea level.....)	
15	SURFACE
40	SANDY GRAY SHALE
95	BLUE SAND
103	LIGHT BLUE SANDY SHALE
105	GREEN SHALE
107	BLUE SAND
115	GRAY SILTY SHALE
117	BLUE & BLACK SAND
120	GRAY & GREEN SHALE
130	BLUE SAND
135	BROWN SHALE
142	LIGHT GREEN SHALE
153	GRAY SANDY SHALE
170	GRAY SAND
175	LIGHT BROWN GRAY SANDY SHALE
225	GRAY SHALE
230	BROWN & BLACK SHALE
250	GRAY SHALE
300	GRAY & WHITE SAND
310	LIGHT GRAY SHALE
320	WHITE SHALE
330	WHITE & GRAY SAND
340	GRAY SHALE

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" IN	11" 4 IN. ID	0	350	SLITS	150	171
				CUT WITH	258	300
				TOUCH	315	336

NW 1/4 NE Sec 28 T. R.
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 180 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 242 feet at 8 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested pumped Length of Test 1 1/2 hr.

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

Filed for Record

2000

JUL 2 1962

112

Driller's License Number

Driller's Signature

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

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

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

File No. _____

T. _____ R. _____

DUPLICATE

County Carter

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF 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 _____)

surface to 15 ft.
15' to 40 gravel
40' to 80 shale
80' to 115' lime stone
115' to 145' shale
145' to 210' rock
210 to 225'
sand and water
sand,

Owner GOCAR YE R I E T E E Address EX 210 H & MONTDriller STEVE J. LISS Address EX 210 H & MONT

Date of Notice of appropriation of groundwater _____

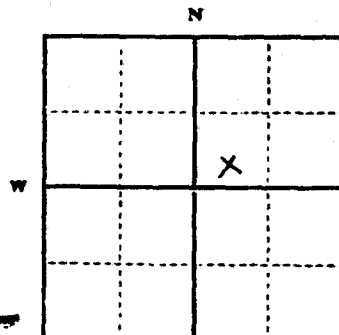
Date well started Dec 6 1969 Date completed JUNE 5, 1970Type of well Drilled Equipment used Rotary
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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 inch	1 inch	surface	225	cut	162	225
225 ft. drilling at 2.450.	1 inch			well		
112 ft 4" casing at 2.425.	3 inch			casing		
21 ft 3" casing at 1.15	standard			touch		
total						

Total cost.

225 ft. drilling at 2.450.
112 ft 4" casing at 2.425.
21 ft 3" casing at 1.15
total 999.15

Static Water Level for non-flowing well 100 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 12.6 feetat 1.6 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested BaseLength of Test 6

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

Doc. No. 128331

Filed for record

this 19 day of JuneA. D. 19 70, at 9:30 SW 1/4 Sec 29 T. 10 N. R. 56 Eo'clock A M.

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

Steve J. Liss
by Archie A. Liss
Driller's Signature.

46592

128331

CARTER COUNTY
Ekalaka, MONTANA
Filed for Record
at 9:30 . . . 9 M
JUN 19 1970

Jane M. Brewster
County Clerk
Cally M. [Signature]
Fee: \$2.00

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

RECEIVED

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 Kruidel Ranch
Address Edelaka, MT.

Date well started 10-14-71
completed 10-18-71

Type of well Drilled
(Dig, driven, bored or drilled)

Equipment used Rotary
(Chain drill, rotary or other)

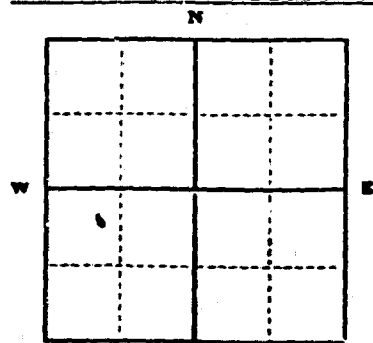
Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 130,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
8"	7"	0	119	
6 1/4"	4"	0	200	16



N.W. 1/4 S.W. 1/4 Sec. 29
T. 2 R. 56 E.

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

Driller's Signature George D. Baird

Driller's Address Vinland City, MT.

LICENSE NO. 72

County Carter

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	100
100	115
115	200

200 ft. Show exact depth of bottom

49489

131472

CARTER COUNTY
BEALAKA, MONTANA
Filed for Record
at 11:45 o'clock 9 AM

NOV 29 1971

JANE M. BREWSTER

Cally Stueg
County Clerk
Deputy

Fee: \$2.00

GROUNDWATER INDEX

Page of

County CARTER

Twp.

23

Rqe.

57E

[illegible]

File No. 113201

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

T. 23 R. 57E.

DUPLICATE

County Carter

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

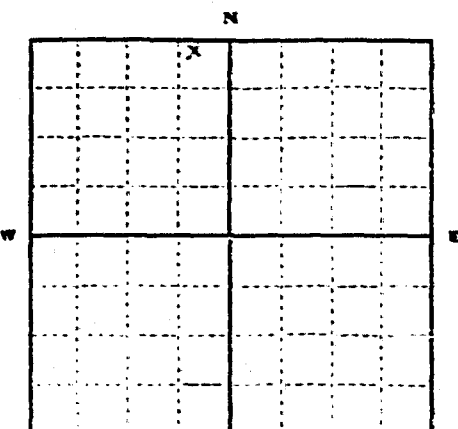
RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Emmett T. Jones, of Ekalaka
(Name of Appropriator) (Address) (Town)
County of Carter State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 4 of
Sec. 3 T. 23R. 57E.

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

2. The beneficial use on which the claim is based
watering livestock.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1940 and continuously since then.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 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
Pump jack and engine.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater About 1940.
8. The depth of water table 16 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 20 feet deep, 6 foot hole, 3 inch cylinder.
10. The estimated amount of groundwater withdrawn each year not known.
11. The log of formations encountered in the drilling of each well if available not known.
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 known.

Emmett T. Jones

Signature of Owner Emmett T. Jones

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.

13854

Filed for Record
at 1:00 o'clock P.M.

DEC 10 1965
Jane M. Brewster
Cathy M. Stey
By *[Signature]*

105153

R

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 2 S. R. 57 E.

County Carter

WATER WELL LOG

Owner Joe Carey Address Enclave, Montana
 Driller Merle A. Sandy Address Belle Fourche So. Dak.
 Date Started 9/16/59 Date Completed 9/19/59
 Location: Sec. 6 T. 2 S R. 57 E 1/4 sec. NE NW

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

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

Casing: 0 ft. to 214 ft. Type Black 1 1/2 Size 4 in.

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

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

Perforated or Screened: Ft. 173 to ft. 203 Ft. _____ to ft. _____

Type of screen or perforations Slots cut with torch

Static Water level, for non-flowing well: 166 feet.

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

Pumping water level 198 feet at 5 gal. per min. one

How tested: pumped

Length of test 1 hour

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

(over)

Log of Well

[illegible]

File No. 114601

DUPLICATE

RECEIVED
OCT 26 1964

~~Approved Stock Form—State Publishing Co., HENNA, Montana—191~~

T 23 R 57E

County CALIF

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

OCT 19 1964

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level _____)

220 to 225 - 4

225 to 310 ~~200~~

310 To 330 *Long* *OWD*

315 *upper* Drill

15330 *S. long* Date

Owner Joe KORTUM Address ERD LANG MONT

Driller STEVE J. LEE Address EMERALD MOUNT

Date of Notice of Appropriation of Groundwater

Date well started Sept 13 1964 Date Completed Oct 10 1964

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

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

cost of well

110. $\frac{1}{2}$ mile - 32.22 c.
21. $\frac{1}{4}$ mile - 42

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 Casting	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
3 1/4"	21 lb 4 inch casting 11.5 lb. per ft.	220 to 241 4 inch	220 to 241	cast with cutting tool of	220	241

Static Water Level for non-flowing Well 200 feet.

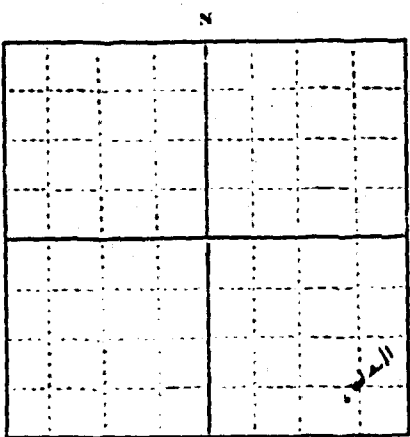
Shut-in Pressure for Flowing Well.....

Pumping Water Level 231 feet at 4 gal. per minute.

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

How Tested Ball Length of Test 12 hrs

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



SW 1/4 SE Sec. 5 T. 4 S R. 57 E
Indicate location of well and
place of use, if possible. Each
small square represents 10 acres.

Show exact depth of bottom.

Driller's License Number

Driller's Signature _____

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

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

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

38570

114601

Filed for Record
at 4:00 o'clock P.M.

OCT 15 1964
Jane M. Brewster
County Clerk
Cally M. Stieg
Deputy

File No. 117674

STATE

T 2-5 R 57-E

DUPLICATE

County CARTER

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level _____)

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

3 SURFACE
14 TAN SAND STREAKS OF TAN
SANDY CLAY & SAND ROCK

27 TAN & light GRAY shale
33 GRAY shale

60 BLUE GREEN shale
112 BLUE SAND & SANDY BLUE shale

117 BLUE SANDY shale
128 BLUE SAND

137 GRAY & BLUE shale
155 BLUE SAND & BLUE SANDY shale

178 GRAY silty shale
189 TAN & BROWN shale

178 BLUE & GRAY shale
214 light BLUE SANDY shale

215 light BLUE SAND ROCK
225 BLUE SAND BLACK SPECKLED

231 BLUE GRAY shale
240 BLUE SAND

241 HARD BLUE SAND ROCK
244 BLUE SAND

245 HARD BLUE SAND ROCK
307 BLUE SAND

312 GRAY & BROWN shale
318 WHITE & light GRAY SANDY shale

357 light BLUE SAND
361 GRAY & light BROWN shale

388 light BLUE SAND
396 GRAY shale

444 WHITE & light BLUE SAND
467 light BLUE & GRAY SANDY shale

478 GRAY SANDY shale
489 STRAIGHT SAND

489 GRAY shale

Owner ERLEND LAID Address ERLEND LAID, MONT.Driller MEALE R. Bandy Address BEILE FOURCHE

Date of Notice of appropriation of groundwater _____

Date well started 10-12-66 Date completed 10-17-66Type 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" ID	0	491	Slots	394	478
	11 1/2"			CUT WITH TORCH		

Static Water Level for non-flowing well 360 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 468 feetat 5 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested PUMPEDLength of Test 1 hour

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

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 112Driller's Signature Meale R. Bandy

41029

117674

CARTER COUNTY
ETALAKA, MONTANA

Filed for Record

9:15 9:25

OCT 18 1966

Jane M. Brewster
County Clerk
Calvin M. L. Lely
Deputy

Fee \$2.00

105095

RECEIVED

T 2 S R 77E

County Carter

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

	X	

Owner W. A. Butler Address Ex-lake, Montana

Driller Merle R. Sandy Address Belle Fourche, S. D.

Date Started 9/9/57 Date Completed 9/11/57

Location: Sec. 8 T. 2 S R. 77E 1/4 sec. SW1/4

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

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

Casing: 0 ft. to 213 ft. Type BLACK IRON Size 4 Inch

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 160 to ft. 202 Ft. to ft.

Type of screen or perforations Slots Cut with Torch

Static Water level, for non-flowing well: 132 Ft. From Top feet.

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

Pumping water level 198 feet at 2 gal per min One

How tested: Pumped

Length of test 1 Hour

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

(over)

Log of Well

[illegible]

File No. _____

T. 25 R. 57

DUPLICATE

County _____

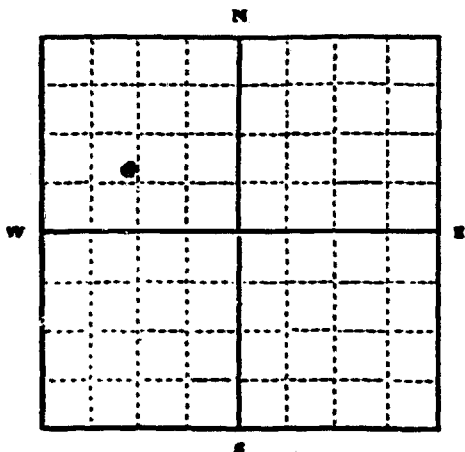
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 7 1964

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

_____ of _____
(Name of Appropriator) (Address) (Town)

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



1/4 Sec. 8 T. 25 R. 57
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 _____
3. Date or approximate date of earliest beneficial use; and how continuous the use has been _____
4. The amount of groundwater claimed (in miner's inches or 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 _____

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater _____
8. The depth of water table _____
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater _____
10. The estimated amount of groundwater withdrawn each year _____
11. The log of formations encountered in the drilling of each well if available _____
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record _____

Signature of Owner _____

Date 12-30-63

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.

25816

113374

Filed for Record
at 3:00 P.M.

James M. Brewster
Clerk

Deputy

Fee \$2.00

GROUNDWATER INDEX

Page of

County CARTER Twp. 25 Rge. 54E

[illegible]

GW 2

File No. 8

DUPLICATE

T 2 S R 59 E

County Carter

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Huber Corporation Address Elkalaka, Mont.Driller Ed R. Sikorski Address Alzada, Mont.Date of Notice of Appropriation of Groundwater Aug. 16, 1963Date well started Aug. 22, 1963 Date Completed Aug 24, 1963Type of well bored Equipment Used rotary
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8 1/2"	24" Perforated haydite	0'	22'	5/16" diagonal	16'	22'

Top of Ground Estimate
(Elev. above sea level 3400)

No iron found
in files 23 to 30

Water Level

22'

Clay + Gravel

Shale

Sand + Gravel

Shale

Clay + Gravel

Shale

Clay + Gravel

Shale

Clay + Gravel

Shale

Clay + Gravel

Shale

Clay + Gravel

Shale

Clay + Gravel

Shale

Clay + Gravel

Shale

Clay + Gravel

Shale

Clay + Gravel

Shale

Clay + Gravel

Shale

Clay + Gravel

Shale

Clay + Gravel

Shale

Clay + Gravel

Shale

Clay + Gravel

Shale

Clay + Gravel

Shale

Clay + Gravel

Shale

Clay + Gravel

Shale

Clay + Gravel

Shale

Clay + Gravel

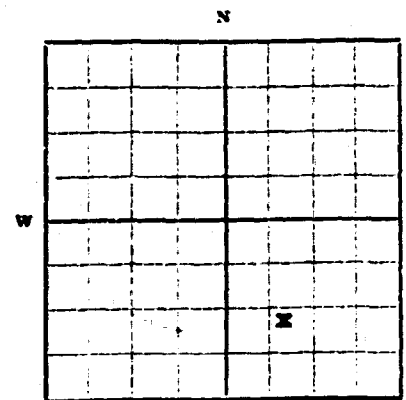
Shale

Clay + Gravel

Shale

Clay + Gravel

Shale



SE 1/4 Sec. 1 T 2 S R 59 E

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

Show exact depth of bottom.

Static Water Level for non-flowing Well 18 1/2 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 18 1/2 feet at 6 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested pump Length of Test 24 hr.
(bailer) 30 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) _____

Gravel packed. 5/16" and 5/8" size gravel.

115

Driller's License Number

Ed R. Sikorski
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.

6047

112405

Filed for Record

at 11:20 o'clock AM

SEP 30 1963

James M. Bauman
County Clerk

Deputy

for pd \$2.00.

File No. _____

T. 2 N. R. 59E

DUPLICATE

County Carter

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

NOV 13 1963

Notice of Completion of Groundwater Appropriation by Means of Well

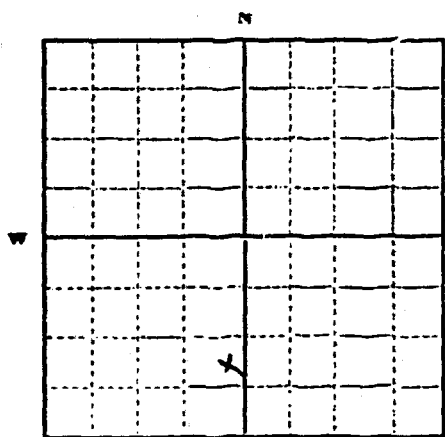
(Under Chapter 237, Montana Session Laws, 1961)

Owner Ruber Corporation Address Ekalaka, Mont.Driller Ed R. Sikorski Address Alsada, Mont.Date of Notice of Appropriation of Groundwater Oct. 21, 1963Date well started Oct. 31, 1963 Date Completed Nov. 2, 1963Type of well Bored
(dug, driven, bored or drilled)Equipment Used Rotary
(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)
24"	24" Concrete	0'	28'	5/16"	22'	28'



SE 1/4 SW Sec. 1 T. 2 R. 59E

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 20 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 22 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested bailler Length of Test 1 hr.

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

acres irrigated, if used for irrigation) Gravel packedto within 6 ft. of the top

115

Driller's License Number

Ed R. Sikorski
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.

6992

112700

Filed for Record

at 3:00 o'clock P.M.

NOV 10 1965

Jane M. Brewster
County Clerk

pt 2.05 Deputy

104966
RECEIVED
1959

12
T 25 R 59E
2-5 59E
County Carter

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

	X		

Owner W. L. Mader Address Kalaka, Mont.
Driller Morle R. Bandy Address Belle Fourche So. Dak.
Date Started 8 - 26 - 59 Date Completed 8 - 27 - 59
Location: Sec. 12 T 2-5 R 59E 1/4 sec NE 1/4 of SW 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 33 ft. Type Black Size 6 1/8 in.

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

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

Perforated or Screened: Ft. 22 to ft. 31 Ft. _____ to ft. _____

Type of screen or perforations Cut. With Torch

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

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

Pumping water level 33 feet at 20 gal. per min. one

How tested: Pumped

Length of test 1 hour

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

(over)

[illegible][illegible]

104501

RECEIVED
MAY 13 1959

T. 2 S. R. 59 E.

County CARTER

STATE ENGINEER **MONTANA BUREAU OF MINES AND GEOLOGY**
Butte, Montana

WATER WELL LOG

		7

Owner James L. Curry Address Ekalah, MontanaDriller M. R. Handy Address Selle Pouches, S. D.Date Started 5-9-59 Date Completed 5-11-59Location: Sec. 13 T. 2 S R. 59 E $\frac{1}{4}$ sec. SE $\frac{1}{4}$ SE $\frac{1}{4}$

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

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

Casing: 0 ft. to 30 ft. Type Black 11 lb. Size 4 inch

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

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

Perforated or Screened: Ft. 24 to ft. 30 Ft. _____ to ft. _____Type of screen or perforations Cut with torchStatic Water level, for non-flowing well: 16 Ft. of top of hole feet.

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

Pumping water level 30 feet at 20 gal. per min.How tested: pumpedLength of test 1 hour

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

(over)

Log of Well

[illegible]

105439

T 2 S R 52 E

County Carter

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Mrs. Alice Kingsley Address Helena, Montana

Driller Marie R. Sandy Address Belle Fourche, S. D.

Date Started 6/24/59 Date Completed 8/24/59

Location: Sec 13 T 2 S R 52 E 1/4 sec 52

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

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

Casing: 0 ft. to 36 ft. Type Black Size 4 in.

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 26 to ft. 36 Ft. to ft.

Type of screen or perforations cut with torch

Static Water level, for non-flowing well: 16 ft. from top feet.

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

Pumping water level 36 feet at 20 gal per min one

How tested: Pumped

Length of test one hour

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

RECEIVED
AUG 27 1959

STATE ENGINEER

(over)

Log of Well

[illegible]

51,849

134294

CARTER COUNTY
ERKALAPA MONTANA
Filed for Record
at 11:10

NOV 17 1912

John M. Brewster
County Clerk

Deputy

for \$2.00

108498
Form No. 18
8-60

T. 2 S R. 59 E

County Carter

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER

Owner W. I. Mader Address Bozeman, Montana

Driller Henry Bryant Address Bozeman, Montana

Date Started _____ Date Completed _____

Location: Sec. 23 T. 2 S R. 59 E $\frac{1}{4}$ sec. NW 1/4

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

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

Casing: 0 ft. to 42 ft. Type _____ Size _____

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

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

Perforated ~~screen~~: Ft. _____ to ft. _____. Ft. _____ to ft. _____

Type of screen or perforations round hole

Static Water level, for non-flowing well: 26 feet.

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

Pumping water level 26 feet at 8 gal. per min. _____

How tested: bailing

Length of test 1 hour

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

(over)

Log of Well

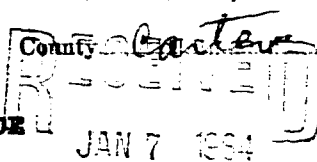
[illegible]

File No. 113400

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

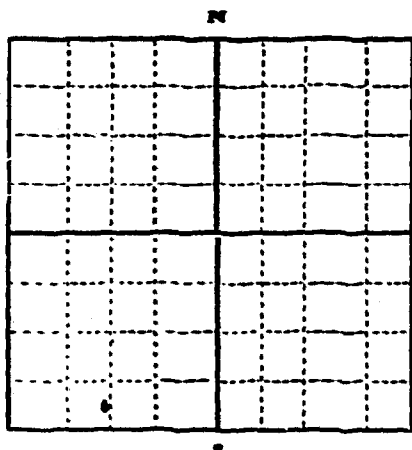
T. 25 R. 59 E



Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, James T. Carroll, of _____ (Address) _____ (Town)
County of Carter State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec 25 T. 25 R. 59 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 live dwelling
3. Date or approximate date of earliest beneficial use; and how continuous the use has been begin in 1920
used continuously since 1920
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
Not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal a
Cylindrical Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Aug 7, 1920
8. The depth of water table 225 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 Hand dug 3 1/2 feet in diameter
34 feet
10. The estimated amount of groundwater withdrawn each year 45,625 gallons
11. The log of formations encountered in the drilling of each well if available 27 feet gravel
light water sand
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None

Signature of Owner

Date Dec 30, 1963

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

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

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

25842

Filed for Record

at 5:00 o'clock P.M.

DEC 30 1963

Jane M. Brewster

Calvin M. Stutz
County Clerk Deputy

Fee: \$2.00

File No.

111230

T 2 S R 59

DUPLICATE

RECEIVED

County Carter

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground STATE ENGINEER

(Elev. above sea level)

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

surface to 15 ft sand
15 ft to 32 ft shale
32 ft to 48 ft water sand
48 ft to 52 ft shale

Owner Chester Coon Address Ekalaka Mont

Driller Henry J. Liss Address Ekalaka Mont

Date of Notice of Appropriation of Groundwater

Date well started Sept 24th - 62 Date Completed Sept 25th 62

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 ☒

For Record

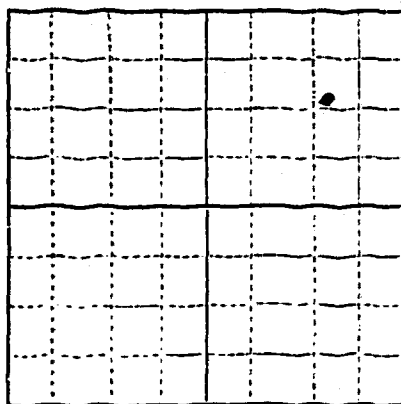
at 3:00 o'clock P.M.

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.

NOV 28 1962

17 mi. N. of Ekalaka
County Clerk
\$ 2.00

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 inch	4 inch 11 lb. per ft.	surface	52	Cased with touch	29 ft.	52 ft.



NE 1/4 NE Sec 25 T2 S R 59

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

Show exact depth of bottom.

52 ft. Drilling at \$2. per ft. \$ 104.00
53 ft 42 casing 27 ft. 106.00
total \$ 210.00

Driller's License Number 60

Driller's Signature

by Henry J. Liss

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.

2595

File No. 113401

DUPLICATE

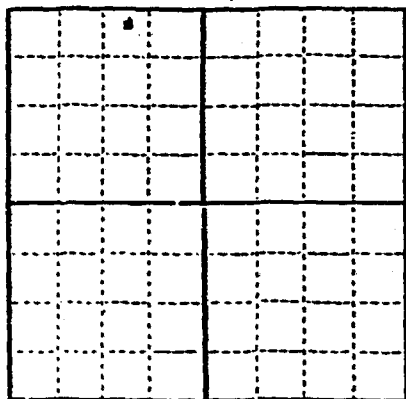
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

T. 25 R. 59 E
County Carter
RECEIVED
JAN 7 1964

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Mr. James T. Carroll, of Elk Lake
(Name of Appropriator) (Address) (Town)
County of Carter State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 NW Sec 36 T.25 R.59 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 & Garden
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
Nov 15, 1956
Continuous in use
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
2 1/2 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
1 acre Garden Area
NE 1/4 NW Sec 36 T.25 R.59 E
James T. Carroll
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
The Cylinder Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Nov 1st + Nov 15 1956
8. The depth of water table
6 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
Hand dug 18 inch diameter
20 feet deep
10. The estimated amount of groundwater withdrawn each year
73,000 gallons
11. The log of formations encountered in the drilling of each well if available
6 feet gravel
2 feet sand 12 feet water sand
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
None

school section State of mont.
Signature of Owner James T. Carroll
Date Dec. 30, 1963

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

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

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

25843

Filed for Record
at 5:00 P.M.

Jane M. Brewster
Call M. Steg
Deputy
Fee: \$2.00

GROUNDWATER INDEX

Page of

County CARTER. Twp. 25 Rge. 60E

[illegible]

File No. _____

111151

W T 25 R 60E

DUPLICATE

County Center

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
(Elev. above sea level _____)

0-23 ft yellow sand Fred Swann (Address Chalchicomula)

23-40 brown shale Driller Henry Bernick Address _____

40-70 light shale Date of Notice of Appropriation of Groundwater _____

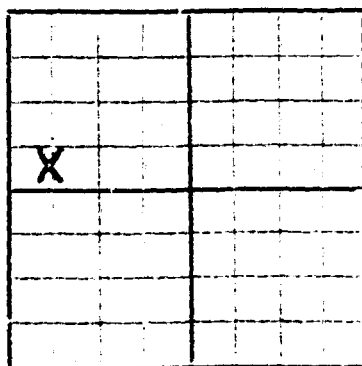
70-80 blue shale Date well started April 20 Date Completed April 21

80-110 light shale Type of well Drilled Equipment Used Rotary
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)

110-125 sandy shale Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

125-130 sand 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)
130-135 sand	4" 11 lb	100	105	Round	140	160
135-160 water	4" 11 lb	100	160	5"		



SW 1/4 NW Sec. 2 T 25 R 60E

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

Show exact depth of bottom.

160 ft deep

Static Water Level for non-flowing Well 5 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 65 feet at 5 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Flowing Length of Test 1 hour

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) _____

Filed for Record

4:30 PM

NOV 16 1962

Ray D. Johnson
County Clerk

For 20

Driller's License Number 66

Driller's Signature Henry Bernick

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.

2536

113387
File No.

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

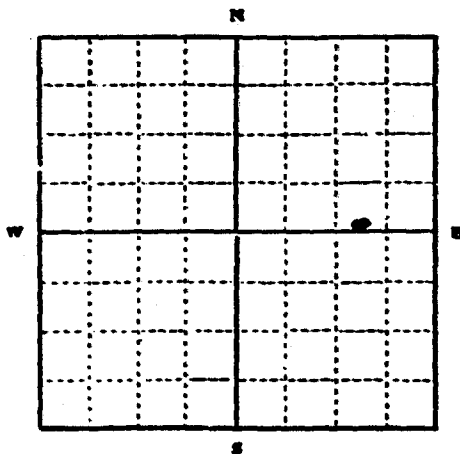
T. 2 S. R. 60 E
County Carter
RECEIVED
JAN 7 1964

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Dave Brown & George Meigel, of Chalaka
(Name of Appropriator) (Address) (Town)

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



SE 1/4 NW 1/4 Sec. 9 T. 2 S. R. 60 E

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

2. The beneficial use on which the claim is based Stock
Water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1959
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gallons a minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump
pumpjack
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1959
8. The depth of water table 85 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 Stock pump & pumpjack
The depth 110 ft.
10. The estimated amount of groundwater withdrawn each year 36,000 gal used during winter mo.
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 available

Signature of Owner

Dave Brown & George Meigel
By Dave Brown
Date Dec 30, 1963

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

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

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

25829

Filed for Record

at 4:00 P.M.

DEC 30 1963

Jane M. Brewster

County Clerk

Cally M. Steeg

Deputy

Fee: \$2.00

CW

File No. 119352

T. 22 R. 60E

DUPLICATE

County Carter

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

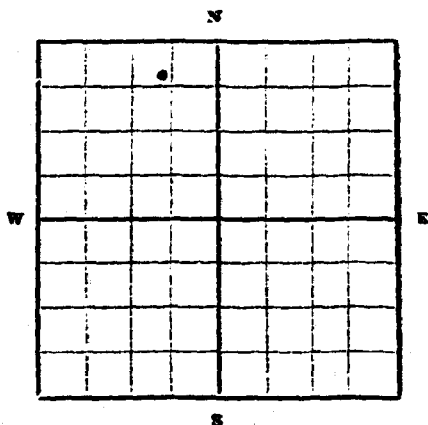


Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Kirby L. Summers, of Ekalaka
(Name of Appropriator) (Address) (Town)
County of Carter State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 of SW 1/4 Sec 11, T22R60E

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 Well
3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 1946
Continuous
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
Windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
June - 1946 - July 1946
8. The depth of water table
120 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
Drilled - 5' galvanized casing - 240' deep
10. The estimated amount of groundwater withdrawn each year
15,000 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 to my knowledge

Signature of Owner Kirby L. Summers

Date January 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, or 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.

109352

Filed for Record

at 9:15 o'clock A.M.

JAN 15 1932

Ray Anderson
County Clerk

John M. Brewster
Deputy

Fee \$2.00

109352-11-10-1932

109352-11-10-1932

File No. _____

DUPLICATE

T. 2. S. R. 6. E

County Carter

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 7 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Milo F. Kennedy
(Name of Appropriator)

, of

(Address)

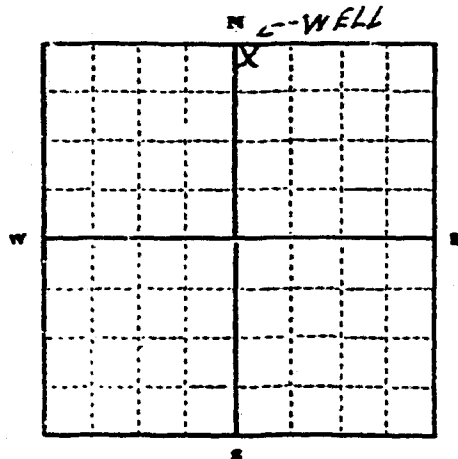
Chalaka
(Town)

County of Carter

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 NE Sec. 13 T. 2. S. R. 6. 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 watering stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 1, 1950

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater August 1, 1950

8. The depth of water table 200 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4 in. casing down 220 feet, 12 inch suction pipe with windmill

10. The estimated amount of groundwater withdrawn each year Don't know

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 in record

Signature of Owner

Milo F. Kennedy

Date Dec. 30, 1963

This comes 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.

25882

113445

Filed for Record

at 1:55 P.M.

DEC 11 1935

James M. Brewster
Deputy

7-22-11-2.00

104624

RECEIVED
JUN 11 1959

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T 2 S R 60 E

County Carter

WATER WELL LOG

		X	

Owner Kirby L. Summers Address Ekolaka, Montana
 Driller Marle R. Bandy Address Belle Fourche, S. D.
 Date Started 5/13/59 Date Completed 5/22/59
 Location: Sec. 14 T 2 S R 60 E $\frac{1}{4}$ sec. NESE

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

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

Casing: 0 ft. to 67 $\frac{1}{2}$ ft. Type 5 in. used black Size 5 inch

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

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

Perforated or Screened: Ft. 35 to ft. 60 Ft. _____ to ft. _____

Type of screen or perforations cut with torch

Static Water level, for non-flowing well: 41 feet from top feet.

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

Pumping water level 57 feet at 18 gal. per min. 0.00

How tested: pumped

Length of test 1 hr.

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

(over)

Log of Well

[illegible]

File No. 109353

T 22 R 60E

DUPLICATE

County Carter

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Kirby L. Summers, Ekala Ka

(Name of Appropriator)

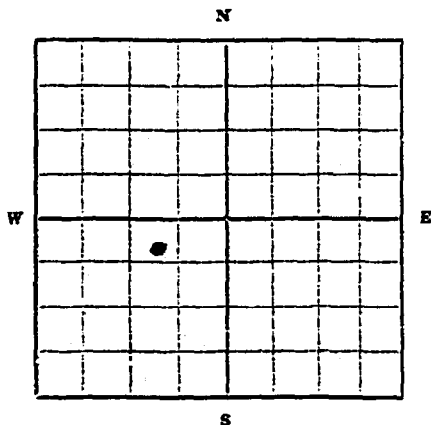
(Address)

(Town)

County of Carter

State of Montana

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



NW 1/4 Sec 14 T 22 S R 60E

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 Well

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

June - 1959
continuous

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

77072E

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

Wind mill

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

June - 1959 — June 1959

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

Drilled, 6" heavy steel casing - 67' deep

10. The estimated amount of groundwater withdrawn each year

18,000 gallons

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

Not available

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

Signature of Owner Kirby L. Summers

Date January 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 School of Mines and Quadruplicate for the Appropriator.