

### Log of Well

[illegible]

File No. B 1125T. 9N R 19E

DUPLICATE

County Golden Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

STATE ENGINEER

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Aug. 1963Owner Geo. & John Pirie Address Pyrgate Mont.

Contractor (if any) \_\_\_\_\_

Address of Contractor \_\_\_\_\_

Date Started Aug. 1963 Date Completed Aug. 1963

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.

Pit 8' deep

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.

Used for stock waterSignature of Owner Geo. & John PirieDate Dec. 30 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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

File "S"  
 No. 1125  
 Indexed *c*  
 By *W*

53927

State of Montana, } ss.  
 Golden Valley County,  
 Filed this 31 day of  
 Dec A. D. 1963  
 at 4:41 o'clock P. M.  
 Elizabeth M. J. Rankin  
 County Recorder.  
 Anna K. Martin  
 Deputy.

File No. B-1064T. 9N R. 19E

DUPLICATE

County Golden Valley

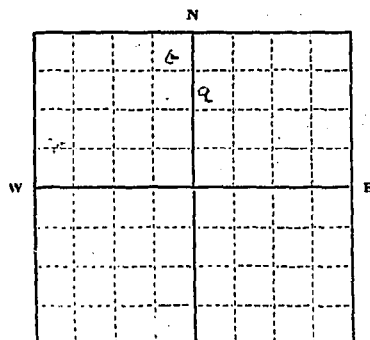
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

Declaration of Vested Groundwater Rights

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

1. John C. Matheson, of Pyegate  
(Name of Appropriator) (Address) (Town)  
County of Golden Valley State of Mont  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



a. NW 1/4 Sec 21 T. 9 R. 19

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

2. The beneficial use on which the claim is based House hold and garden
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 25 June 1948 continuously for house hold & garden in section 21  
6 continuously since 1952
4. The amount of groundwater claimed (in miner's inches or gallons per minute) a. 8-10 gal per min  
b. not known
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  
a. irrigate garden & yard  
b. irrigate garden & yard
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
a. electric pump  
b. electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater a. 25 June 1948  
b. summer 1952
8. The depth of water table 12 ft and 23 ft 6 15' water level varies
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 a. drilled to 33 ft  
b. dug under house
10. The estimated amount of groundwater withdrawn each year 14
11. The log of formations encountered in the drilling of each well if available not available  
b. not log
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

John C. Matheson  
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.

23812

1064

INDEXED

By *THM*

53865

State of Montana, } ss.  
 Golden Valley County, }  
 Filed this 31 day of  
Dec A. D. 1963  
 at 1:35 o'clock P.M.  
Elizabeth M. Franking  
 County Recorder.  
Hera E. Martine  
 Deputy

GW 3

File No. E-1113

DUPLICATE

RECEIVED  
MAY 19 1964T. 9 N R. 19 ECounty Golden ValleySTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERRECEIVED  
JAN 6 1964STATE ENGINEER  
**Notice of Completion of Groundwater Appropriation  
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1941Owner John C. Matoon Address PyegateContractor (if any) noneAddress of Contractor ✓Date Started 9 Date Completed 9

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.

(a) Natural flowing spring  
 (b) 100 ft deep well in riparian area  
under block meter and  
irrigating system

Quantity of water developed and used with ex. ar. on of method used to measure or estimate such amount. If use . . . intermittent

estimate approximate lengths of periods of use measuredthru pipe - 8-10 gal per min(c) Natural flow deep down 2 ftnot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measurednot measured

(a) NW 1/4 3 NE 1/4 S  
 (b) NE 1/4 2 NE 1/4 S

Sec. 21 T. 9 R. 19

Indicate point of appropriation and place of use, if possible.

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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

53864

File	"B"
	1063
Indexed	✓
By	<i>W. M.</i>

State of Arizona, }  
Golden Valley County, }  
Filed this 31 day of  
Dec. A. D. 1963  
at 1:32 o'clock P.M.

Elizabeth M. Linsbury  
County Recorder.  
Hess L. Martin  
Deputy.

GW3

File No. B-866

DUPLICATE

T. 9 N. 19 E. 25County Golden ValleyRECEIVED  
NOV 19 1963STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

STATE ENGINEER

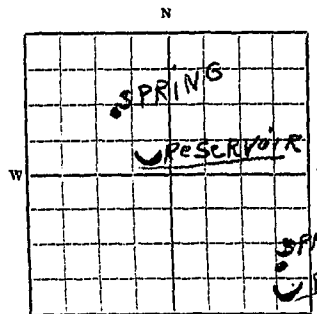
## Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater .....

Owner John Fleming Address Silesia, Mont.Contractor (if any) Byron CoreoranAddress of Contractor Ryeate, Mont.Date Started June 1947 Date Completed June 1947

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to

water when applicable. 2 springs and2 reservoirs.Contractor unknown for 1reservoir.SPRINGRESERVOIR

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use .....

stock water use.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.Sec. 25 T. 9 R. 19

Indicate point of appropriation and place of use, if possible.

tent estimate approximate lengths of periods of use .....

stock water use.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.used all year.

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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

7255



53553

File	"B"
No.	866
Indexed	<input checked="" type="checkbox"/>
By	Wm

State of Montana, } ss.  
Golden Valley County, }  
Filed this 18 day of  
Nov A. D. 1963  
at 9:45 o'clock A.M.  
Elizabeth M. Trauberg  
County Recorder.  
Vera L. Martin  
Deputy.

File No. B-865T. 9N R. 19E

DUPLICATE

County Golden ValleySTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER  
OFFICE OF STATE ENGINEER

NOV 19 1963

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

(Under Chapter 117, Montana Session Laws, 1961)

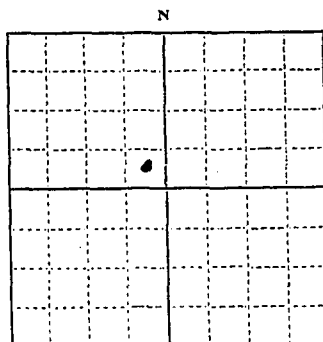
Owner JOHN FLEI, Address Silesia Mont.Driller CLYDE SANDOZ, Address 1141 MILES AVE.  
BILLINGS

Date of Notice of Appropriation of Groundwater.....

Date well started 1953 Date Completed 1953Type of well DRILLED Equipment Used CABLE  
(dug, driven, bored or (Churn, drill, rotary or  
drilled) other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Stock ☒

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	8" 36'	0	50	touch	25	50



..... 1/4 Sec. 25 T. 9 R. 19  
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 4 ft. feet.

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

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

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

Flow Tested BAILED Length of Test.....

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

Driller's License Number 2Driller's Signature Clyde Sandoz

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.

7254

53552

File	"B"
No.	865
Indexed	-
By	W. L. L.

State of Montana, }  
Golden Valley County, } SS.  
Filed this 18 day of  
Nov A. D. 1963  
at 9:00 o'clock A.M.  
Edybeth M. Ironburg  
County Recorder.  
Vera K. Martini  
Deputy.

File No. B1124T 9 N R 19 E

DUPLICATE

County Golder Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

Notice of Completion of Groundwater Appropriation  
Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

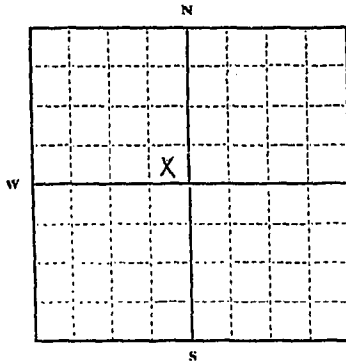
Date of Appropriation of Groundwater July 1955Owner Geo. & John Rivie Address Bygate Mont

Contractor (if any) \_\_\_\_\_

Address of Contractor \_\_\_\_\_

Date Started July 1955 Date Completed July 1955

Describe means of obtaining groundwater without a well "as by  
sub-irrigation and other natural processes". Include depth to  
water when applicable.

PIT 8' deepSE 1/4 NW Sec. 30 T. 9 N. R. 19 E

Indicate point of appropriation  
and place of use, if possible.

Quantity of water developed and used with explanation of method  
used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use \_\_\_\_\_

used for stock waterSignature of Owner Geo. & John RivieDate Dec 20, 1962

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the  
works are located.

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

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

11-24

Indexed ☒

By V. H. M.

53926

State of Montana, }  
Golden Valley County, } SS.  
Filed this 31 day of  
Dec A. D. 1963  
at 4:40 o'clock P.M.  
Elizabeth M. Idansky  
County Recorder.  
John L. Martin  
Deputy.

File No. B 1127

DUPLICATE

T. 9 N R 19 E  
County Golden ValleySTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERRECEIVED  
JAN 6 1964Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater July 1955Owner Geo & John Pirie address Pegate Mont

Contractor (if any) \_\_\_\_\_

Address of Contractor \_\_\_\_\_

Date Started July 1955 Date Completed July 1955

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.

Pit 10' deep

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.

used for stock water

Signature of Owner

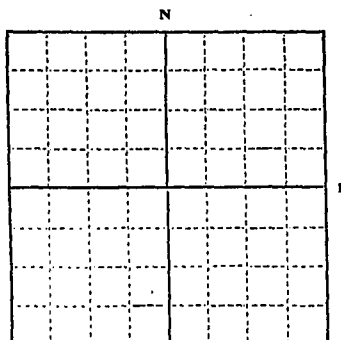
Geo. & John PirieDate Dec 30, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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

NW  $\frac{1}{4}$  SW Sec. 35 T. 9 R. 19

Indicate point of appropriation and place of use, if possible.

23873

File	1123
Indexed	<input checked="" type="checkbox"/>
by	V. L. M.

53925

State of Montana, }  
Golden Valley County, } SS.  
Filed this 31 day of  
Dec. 1963  
at 4:39 o'clock P.M.  
Elizabeth M. Franking  
County Recorder.  
H. L. Martin  
Deputy.

Page 1 of       

County GOLDEN VALLEY Twp. 9 N Rge. 20 E

[illegible]



4

T. 9 R. 20  
County Gallatin Valley

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

Sec 4

	x		

Owner Ben Crocker Address Lavina, Montana  
Driller Donald L Strand Address Roundup, Montana  
Date Started 4-29-59 Date Completed 4-30-59  
Location: Sec. 4 T. 9 R. 20 1/4 sec.

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: 0 ft. to 9 ft. Type 2 1/2" Size 7 inch I.D.

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 6 to ft. 9 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations Slots

Static Water level, for non-flowing well: 6 feet from top feet.

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

Pumping water level \_\_\_\_\_ feet at \_\_\_\_\_ gal. per min.

How tested: Bale Tested

Length of test 2 hours

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

Fifteen gallons per min



(over)

### Log of Well

[illegible]

GR

Approved Stock Form—State Publishing Co., Helena, Montana—41338

File No. B-876T. 9 N. R. 20 E.

DUPLICATE

County Golden Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

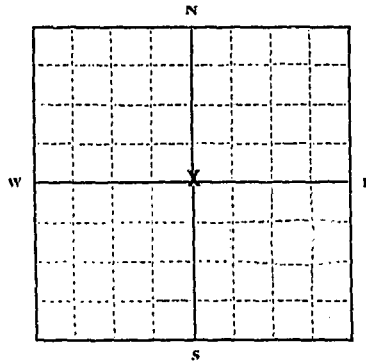
RECEIVED  
DEC 16 1963

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Abe Horpestad, of Levina  
(Name of Appropriator) (Address) (Town)  
County of Golden Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Mid-point

of  $\frac{1}{4}$  Sec. 4 T. 9 R. 20.

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 spring  
for stockwater and irrigation
3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been 1912 Spring flows naturally  
continuous use since 1912
4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 50 miners inches
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  
irrigates 60 acres in SE 1/4 Section 4  
Township 9 Range 20 owned by Abe Horpestad
6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal  
naturally flowing spring located in middle  
of the above section. (Section 4)
7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater 1912
8. The depth of water table ground level - natural flowing spring
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  
Water flows naturally from spring and flows into dam that spreads water  
over irrigating land.
10. The estimated amount of groundwater withdrawn each year 50 miners inches  
All of natural flow
11. The log of formations encountered in the drilling of each well if available  
water ground level natural flowing spring
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record.

Signature of Owner

Date December 10, 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.

9245

File	"B"
No.	826
indexed	-
by	Wm

53640

State of Montana, } SS.  
Golden Valley County, }

Filed this 13 day of

December A. D. 1963

at 9:55 o'clock P.M.

Elizabeth M. Trauberg  
County Recorder.

Vera L. Martin  
Deputy.

T. 9 R. 20  
County Beaver Valley

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

Sec 9

	X	

Owner Ben Crocker Address Lavina, Mont  
Driller Ronald L. Strand Address Roundup, Mont  
Date Started 4-17-59 Date Completed 4-27-59  
Location: Sec. 9 T. 9 R. 20 1/4 sec.

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: 0 ft. to 75 ft. Type 24# Size 7" IS

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 38 to ft. 75 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations Slots

Static Water level, for non-flowing well: 27 feet from top feet.

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

Pumping water level \_\_\_\_\_ feet at \_\_\_\_\_ gal. per min.

How tested: Back tested

Length of test Two (2) hours

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

Set packer at 36 feet and run cement  
to seal off flowing sand  
1 per minute

(over)

Depth, feet		Description of Material Drilled
From	To	
0	7	Topsoil
7	26	Sand rock
26	31	Coarse grey sand
31	39	Grey shale
39	40	Water sand - 1 gal per min.
40	54	Grey shale
54	55	Water sand 1 1/4 gal per min.
55	58	Grey shale
58	62	Sand rock - Water about 5 gal per min.
62	75	Grey shale

RECEIVED  
JUN 5 1959

STATE ENGINEER

RECEIVED  
JUN 5 1959

STATE ENGINEER

File No. B-909T. 9 N R. 20 E

DUPLICATE

County Golden Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

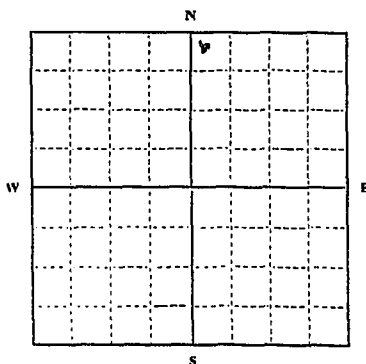
RECEIVED  
DEC 23 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Reaner Thompson of Roundup Mont  
(Name of Appropriator) (Address) (Town)  
County of Musselshell State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec 24 T 9 R 20

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 Spring

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Approximately 1946  
intermittent

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 gallon per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal none  
stockwater

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 1 ft to 1 1/2 inches it varies in regard to season

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 Reaner Thompson

Date 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.

File	"B"
No.	969
Indexed	<i>✓</i>
By	<i>[Signature]</i>

53682

State of Montana, } SS.  
 Golden Valley County,  
 Filed this 19 day of  
Dec A. D. 1963.  
 at 10:15 o'clock P.M.  
Elyah M. Trawley  
 County Recorder.  
Vera L. Martin  
 Deputy.



File No. B-1033

DUPLICATE

T. 9 N 20 ECounty Golden Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1931Owner Lord C. Garfield Address Cushman

Contractor (if any) \_\_\_\_\_

Address of Contractor \_\_\_\_\_

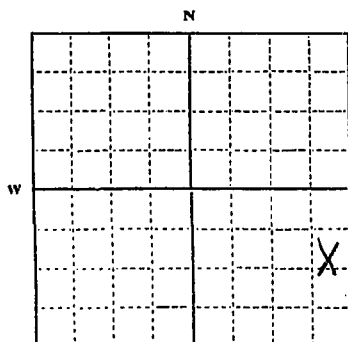
Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.

Drilled out with Dozer by App  
Parrie in 1937 and again by Whit  
Parrie with back hoe again in  
1959

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use. This is  
a good live servicable spring  
for stock water but requires  
occasional cleaning.

Signature of Owner Lord C. GarfieldDate Dec 30<sup>th</sup> 1963

SE 1/4 Sec. 33 T. 9 R. 20

Indicate point of appropriation and place of use, if possible.

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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

23781

File	"g"
No.	1633
Indexed	<input checked="" type="checkbox"/>
By	<i>Wm</i>

53825

State of Montana, } SS.  
Golden Valley County, }  
Filed this 30 day of  
Dec A. D. 1963  
at 4:43 o'clock P.M.  
Elizabeth M. Tranduy  
County Recorder.  
Paul L. Martin  
Deputy.

## Page 1 of 1

County GOLDEN VALLEY Twp. 9N Rge. 21E

[illegible]

File No. B-943

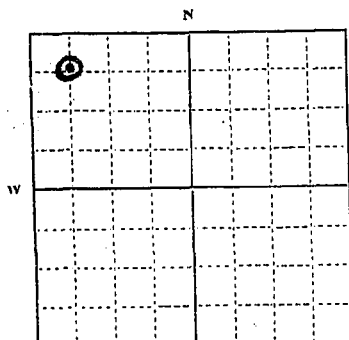
DUPLICATE

T. 9 N 21 E  
County Golden ValleySTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERRECEIVED  
DEC 30 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1939  
Owner Art N. Nelson Address Box 172 Leaning Montana  
Contractor (if any) ✓ Geo Bud Hanson  
Address of Contractor ✓ Roundup Montana  
Date Started Sep 1950 Date Completed Sept 1950Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Surface development, of surface flowing springs. Delivering water by short pipelines to stock water tank

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.

NW 1/4 NW Sec. 3 T. 9 R. 21  
Indicate point of appropriation and place of use, if possible.Natural continuous flow of estimated 40 gal P.M. by container and clocking methodSignature of Owner Art N. NelsonDate Dec 23, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If 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.

"B"  
 943  
 Indexed  
 By *Wm*

53780

State of Montana, } SS.  
 Golden Valley County,  
 Filed this 27 day of  
Dec A. D. 1943  
 at 11:43 o'clock P.M.  
*Elizabeth M. Trauberg*  
 County Recorder  
*Gera L. Martin*  
 Deputy

RECEIVED

File No. B-941T. 9 N R. 21 E

DUPLICATE

County Golden Valley

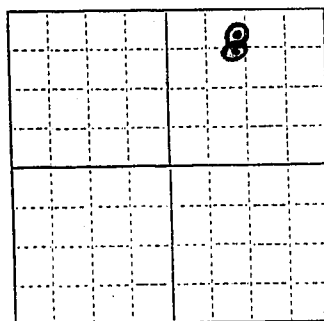
DEC 30 1963

STATE 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 May 14<sup>th</sup> 1963Owner Art N. Nelson Address Box 172, LaramieContractor (if any) Joe KarmelGeo. Bud. HansonRoundup MontanaAddress of Contractors " "Date Started May 14, 1963Date Completed Dec. 1, 1963Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Plastic and Steel pipeto control and deliver flow to  
stock water tanks from static  
depth of 4 to 20 ftNE NW Sec. 4 T. 9 R. 21

Indicate point of appropriation and place of use, if possible.

estimate approximate lengths of periods of use.

12 gal P.M. @ 11 ft to 60 gal P.M. @ 20 ft  
with Valve control for continuous  
use when needed of approximately  
5 to 12 gal P.M. or estimated need.Signature of Owner Art N. NelsonDate Dec. 23, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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

File	"B"
No.	941
Indexed	<input checked="" type="checkbox"/>
by	<i>Ma</i>

53728

State of Montana, } SS.  
Golden Valley County, }  
Filed this 27 day of  
Dec A. D. 1963  
at 11:35 o'clock P.M.  
Elizabeth M. J. Sankey  
County Recorder.  
Glenn C. Martine  
Deputy

GW 2.

Approved Stock Form—State Publishing Co., Helena, Montana—3908.

File No. B-868T. 9 N R 21 E

DUPLICATE

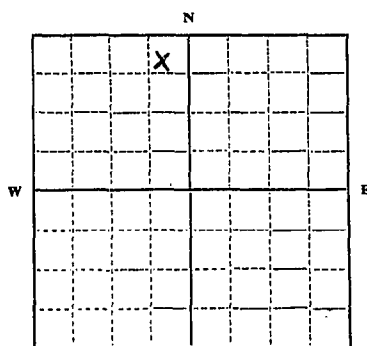
County GOLDEN VALLEYSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER  
OFFICE OF STATE ENGINEER  
DEC 3 1963**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

Owner ART NELSON Address LAVINA, MONT.Driller JOE KOMBOL Address ROUNDUP, MONT.Date of Notice of Appropriation of Groundwater NONEDate well started 5-14-63 Date Completed 5-14-63Type of well DRILLED Equipment Used CHURN  
(dug, driven, bored or drilled) (Churn, drill, rotary or other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Stock ☒

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>7 1/2</u>	<u>7-0.0</u> <u>23-LB R.F.T.</u>	<u>0</u>	<u>18</u>	<u>1/2" x 3"</u>	<u>8</u>	<u>12</u>



Show exact depth of bottom.

Static Water Level for non-flowing Well 5 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 11 feet at 12 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested BAILER Length of Test 1 H.R.

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) CASINGHUNG BOTTOM SAND IN ITCAVEYDriller's License Number 95Driller's Signature Joe Kombol

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.

1740



No. 868  
 Indexed -  
 By Wm

53596

State of Montana, } SS.  
 Golden Valley County, }  
 Filed this 2 day of  
Dec A. D. 1963  
 at 10:35 o'clock A.M.  
Elizabeth M. J. Sanbury  
 County Recorder.  
Irene L. Martin  
 Deputy.

Form No. 18  
8-60

T. 9 R. 21  
County Golden Valley

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

Sec 7, T. 9, R. 21


Owner Art N. Nelson Address Loring, Montana  
Driller Golden-Schrammer Address fundup "  
Date Started Feb 20<sup>th</sup> 1961 Date Completed May 20<sup>th</sup> 1961  
Sep 20<sup>th</sup> 1961  
Location: Sec. 7 T. 9 R. 21  $\frac{1}{4}$  sec. NE  $\frac{1}{4}$

Type of well Drilled Equipment used Table and Rotary  
(dig, driven, bored, or drilled) (chain, drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other 3c1

Casing: 0 ft. to 355 ft. Type 23<sup>rd</sup> Steel Size 7 in OD, Inconel

Casing: 0 ft. to 788 + Shaft Type 15<sup>th</sup> Steel Size 5<sup>th</sup> OD

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 578 to ft. 788. Ft. 788 to ft. 965 3c1

Type of screen or perforations 4 in x 4 in cut & perforated 3 ft. on 2 sides bad Sandstone Shale

Static Water level, for non-flowing well: 24 ft + Top of ground testing feet.

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

Pumping water level 252 feet at 6 gal. per min.

How tested: Swabb and Bailed

Length of test one hour

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

Cemented 355 ft. 7 in. OD 23<sup>rd</sup> Steel casing in hole for shut-off  
of bad water encountered in Bear Paw Shale formation  
28 - 100# Bags Cement used  
(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	351	Bear Paw - Shale
351	371	Sand and Clay
371	372	Hard Coal Shale
372	415	Sand Stone
415	433	Sand Stone
433	436	Coal
436	447	Shale
447	454	Sand Stone
454	461	Coal
461	489	Sand Stone
489	504	Coal Shale
504	508	Sand Stone
508	530	Coal Shale
530	546	Sand Stone
546	559	Coal Shale
559	566	Sand Stone and Clay
566	580	Green Shale
580	591	Hard Shale
591	612	Sand Stone
612	624	Hard Shale
624	645	Hard Shale
645	654	Grey Sand Stone
654	658	Hard Shell - Sand Stone
658	740	Grey Sand Stone
740	760	Grey Shale "Note" Water trip to ground testing
760	880	Sand Stone "fine to medium"
880	910	Shale
910	930	Sand Stone - Medium coarse
930	965	Shale "Taggett"

Gr

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

File No. B-942T. 9 N R. 21 E

DUPLICATE

County Golden Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

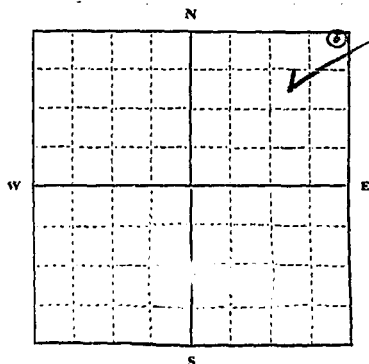
RECEIVED  
DEC 30 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Art N. Nelson, of Box 172 Laina  
(Name of Appropriator) (Address) (Town)  
County of Golden Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

NE  $\frac{1}{4}$  NE Sec 7 T. 9 R. 21

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.....  
MAY 20<sup>th</sup> 1961  
Whenever needed

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....  
50 G.P.M. @ 640 ft

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.....  
Wind mill @ 240 ft 5 gal P.M.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....  
Feb 20<sup>th</sup> 1961 - May 20<sup>th</sup> 1961

8. The depth of water table.....  
24 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.....  
Submersible, size unknown at present  
@ 640 ft of depth

10. The estimated amount of groundwater withdrawn each year.....  
Unknown, by reason of wind power

11. The log of formations encountered in the drilling of each well if available.....  
350 ft Bear Paw Shale, 60 ft Judith River

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

Signature of Owner

Date

Dec 23, 1963

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

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

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

14826

"g"  
 942  
 Filed  
 [Signature]

53729

State of Montana, }  
 Golden Valley County, } SS.  
 Filed this 27 day of  
Dec A. D. 1963  
 at 11:40 o'clock A.M.  
Elizabeth M. Tranter  
 County Recorder.  
Nora R. Morten  
 Deputy

File No. B-944T. 9 N. 21 E.

DUPLICATE

County Golden Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 30 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater May 14 1963Owner Art N. NelsonAddress Box 172 Laramie MontanaContractor (if any) Geo "Bud" HansonAddress of Contractor Roundup MontanaDate Started Sept 1950Date Completed Sept 1950

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.

Plastic and Steel pipes to deliver to stock water tanks from source of 2 ft to 7 ft depth.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use

30 am to 30 pm P.M. with valve controls to approximate 15 pm for continuous use at present, or whenever needed.

Signature of Owner Art N. NelsonDate Dec, 23, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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

File	"g"
	944
Indexed	
By	thm

53731

State of Montana, } ss.  
Golden Valley County, }  
Filed this 27 day of  
Dec A. D. 1963  
at 11:46 o'clock A.M.  
Elizabeth M. Franking  
County Recorder.  
Glen E. Martin  
Deputy.

RECEIVED  
DEC 27 1963  
COUNTY CLERK

File No. B-927

DUPLICATE

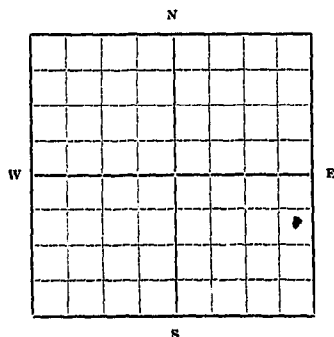
T. 9 N. R. 21 E. 19  
County Golden Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 23 1963

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

1. Russ Thompson of Roundup Mont  
(Name of Appropriator) (Address) (Town)  
County of Missoula State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



$\frac{1}{4}$  Sec. 19 T. 9 R. 21

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

2. The beneficial use on which the claim is based Stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1915  
intermittently
4. The amount of groundwater claimed (in miner's inches or gallons per minute) nine gallon per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof no
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 not available
8. The depth of water table One hundred thirty feet in casing
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 120,000 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 Russ Thompson

Date 11-10-63

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.



File	"B"
o.	907
Index	-
By	Wm

53680

State of Montana, } SS.  
 Golden Valley County, }  
 Filed this 19 day of  
December A. D. 1963  
 at 10:05 o'clock P.M.  
Elizabeth M. Frank  
 County Recorder.  
John L. Martin  
 Deputy

RECEIVED

AUG 29 1957

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

STATE ENGINEER

WATER WELL LOG


Owner: J. M. Wade Address: Roundup Mont  
 Driller: James Hunter Address: Roundup Mont  
 Date Started: July 10 1957 Date Completed: July 12  
 Location: Sec. 21 T. 9 R. 21E  $\frac{1}{4}$  sec. S. W.  $\frac{1}{4}$  Sec 21-9-21

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

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

Casing: 4.5 ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_  
 Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_  
 Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 8 to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations: perforations

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

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

Pumping water level: 4.0 feet at 5 gal. per min.

How tested: Engine & pump pack

Length of test: About one half hour

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)  
Tested with bailer and did not lower water level

(over)

[illegible]

### Description of Material Drilled

0	25	Clay
25	31	Shale
31	32	Sandstone
32	45	Shale
45	50	Sandstone
50	80	Sandy shale

File No. B 844

DUPLICATE

T. 9 North R. 21 EastCounty Golden Valley, Mont

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

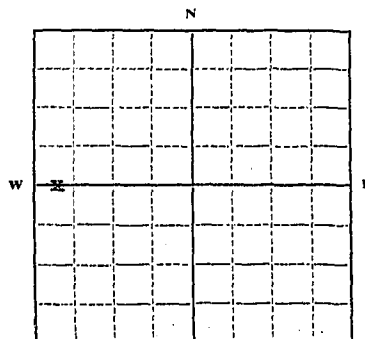
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
MAY 20 1963

STATE ENGINEER

1. Joseph M. Cade of Lavina, Montana  
(Name of Appropriator) (Address) (Town)  
County of Golden Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Well located on <sup>5</sup> South line  
of NW <sup>1</sup>/<sub>4</sub> Sec. 22 T. 9 R. 21

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. Well drilled 1911 by Ed Segar and since then in continuous use.
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 5 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.  
Windmill and gas powered engine used for power.  
Piston pump on 1.25" pipe
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Started in Dec. 1911, completed by Dec. 31, 1911.
8. The depth of water table. Water first struck at 80' below ground level.
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, 6" hole, 95 feet
10. The estimated amount of groundwater withdrawn each year. 219,000 gallons
11. The log of formations encountered in the drilling of each well if available.  
Log 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. Water is suitable for household use.

Signed

Owner

Joe M. Cade  
May 17 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.

1394

53301

File	1963
No.	844
Indexed	
By	Wm

State of Montana, }  
Golden Valley County, } ss.  
Filed this 17 day of  
May A. D. 1963  
at 11:49 o'clock P.M.  
Elizabeth M. Tranking  
County Recorder.  
Vera C. Marten  
Deputy.

T 9 N R 21 E

County GOLDEN VALLEY

MAY 20 1963

(Under Chapter 237, Montana Session Laws, 1961)

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 the depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

Size of Spooled Spool	Size and Weight of Casting	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
1/2	20 GAUGE GAL. 6"	0	163			
					44	77
					128	147

NO FILLED WITH DRILL M.D.

Driller's Signature \_\_\_\_\_

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.

4396.

File No. B 848T. 90 R. 21E

TRIPPLICATE

County GOLDEN VALLEYSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER  
OFFICE OF STATE ENGINEER

MAY 20 1963

Notice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner JOE CADE Address ROUND MOUNTDriller JOE KOMBAL Address ROUND MOUNTDate of Notice of Appropriation of Groundwater NONEDate well started 4-29-63 Date Completed 5-9-63Type of well DRILLED Equipment Used CHURN  
(dug, driven, bored or drilled) (Churn, drill, rotary or other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Stock ☒

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

Top of Ground  
JANDY  
(Elev. above sea level 3600)  
STATIC WATER LEVEL  
JANDY SHALE75 1/2 G.P.M. WATER76 TIGHT JAND89 JANDY SHALE92 SHALE98 JAND101 COAL121 JANDY SHALE134 WATER 2 G.P.M.138 CLAY SAND142 COAL163 DARK HARD SHALE163 BOTTOMW. 4 SE 38 T. 9 R. 21

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

Show exact depth of bottom.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>12</u>	<u>2" GAUGE GAL. 6"</u>	<u>0</u>	<u>16.3</u>		<u>44</u>	<u>47</u>
					<u>128</u>	<u>147</u>

Static Water Level for non-flowing Well 16 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 130 feet at 2 1/2 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested GAUGER 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)

CAVE CATCHER AT 10 FTAND FILLED WITH DRILL MUDDriller's License Number 95Driller's Signature Joe Kombal

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.

4396

53303

File	"B"
No.	846
Indexed	-
By	<i>Wm</i>

State of Montana, } SS.  
Golden Valley County, }  
Filed in 17 day of  
May A. D. 1963  
at 11:58 o'clock A.M.  
Elizabeth M. Traubing  
County Recorder.  
Vera L. Martin  
Deputy.



File No. B-908

DUPLICATE

T. 9 N R. 21 ECounty Golden Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

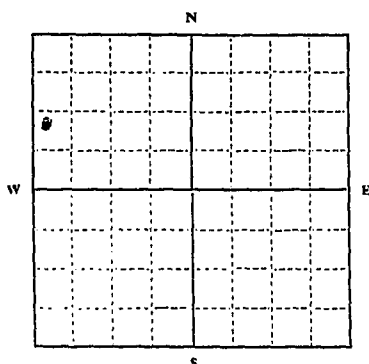
RECEIVED  
DEC 23 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Resner Thompson, of Roundup, Mont  
(Name of Appropriator) (Address) (Town)  
County of Musselshell State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



$\frac{1}{4}$  Sec. 30 T. 9 R. 21

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 Spring
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1932 use for stockwater only
4. The amount of groundwater claimed (in miner's inches or gallons per minute) One gallon per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal none  
stockwater
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater This is a spring only for stockwater this is its only use
8. The depth of water table three feet and varies
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 This is a spring and other use only for stock water at intervals
10. The estimated amount of groundwater withdrawn each year none
11. The log of formations encountered in the drilling of each well if available not available  
just dirt
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 Resner Thompson

Date 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.

11536

"B"  
 908  
 indexed  
 [Signature]

53681

State of Montana, }  
 Golden Valley County, } SS.  
 Filed this 19 day of  
Dec A. D. 1963  
 at 10:16 o'clock 17 M.  
Elizabeth M. J. Hensley  
 County Recorder.  
Hera L. Martine  
 Deputy

File No. B-906

DUPLICATE

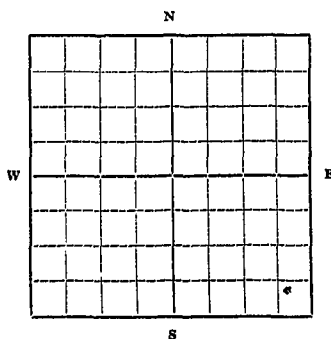
T. 9 N R. 21 E S. 30  
County Golden Valley

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 23 1963

STATE ENGINEER

Resner Thompson, of Roundup, Montana West 17  
(Name of Appropriator) (Address) (Town)  
County of Musselshell State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



$\frac{1}{4}$  Sec. 30 T. 9 R. 21

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

2. The beneficial use on which the claim is based Stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1914  
Permanently
4. The amount of groundwater claimed (in miner's inches or gallons per minute) twenty 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 no
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 1974
8. The depth of water table One hundred forty two ft. redilled 30 ft. more
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  
One hundred seventy five feet brack casing
10. The estimated amount of groundwater withdrawn each year 270,000 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 Resner Thompson

Date 12-10-63

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.

File	"B"
No.	766
Indexed	<input checked="" type="checkbox"/>
By	<i>[Signature]</i>

53679

State of Montana, } SS.  
Golden Valley County, }  
Filed this 19 day of  
December A. D. 1943  
at 10:00 o'clock A.M.  
Elizabeth M. J. Ranby  
County Recorder.  
Vera L. Masten  
Notary.

File No. 845T. 9 N R. 21 East

DUPLICATE

County Golden Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

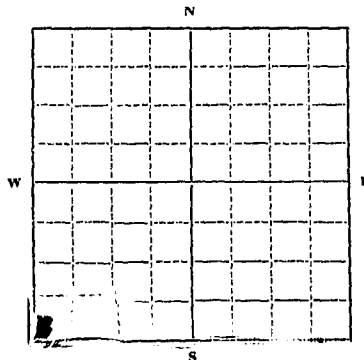
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
MAY 20 1963

STATE ENGINEER

1. Joseph M. Gade, of Lavina  
(Name of Appropriator) (Address) (Town)  
County of Golden Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 34 T. 9 R. 21

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. Well drill by C. L. Puffley  
1912 and since then in continuous use.

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

5. Give the acreage and description of the lands  
on 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.....  
Windmill and gas powered engine used for power.  
Piston pump on 1.25" pipe.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Started April 1912, completed May 1912.

8. The depth of water table. Water first struck at 70' below ground level

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, 6" hole, 90 feet deep.

10. The estimated amount of groundwater withdrawn each year. 219,000 gallons per year.

11. The log of formations encountered in the drilling of each well if available.....  
Log 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. Water is suitable for household use.

Signature of Owner

Date May 17-63

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.

4395

53302

File	118
No.	845
Index	1
Sub	11

State of Montana, }  
Golden Valley County } SS.

Filed this 17 day of  
May A. D. 1963  
at 11:55 o'clock A.M.  
Elizabeth M. Tranter  
County Recorder.  
Tha L. Martin  
Deputy

## Page 1 of 1

County GOLDEN VALLEY Twp. 9N Rge. 22E

[illegible]

T. 9 R. 22

18

County GOLDEN VALLEY

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
MAR 22 1961

WATER WELL LOG

STATE ENGINEER


Owner VERN HARMON Address LAKINA MONT.

Driller JOE KOMBOL Address BOX 898 ROUNDUP MONT.

Date Started 2-3-61 Date Completed 2-6-61

Location: Sec 18 T 9 R 22 1/4 sec. NW 1/4 OF NE 1/4

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Drainage ☐ Other:

Casing: 0 ft. to 75 ft. Type GALVANIZED Size 6"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 30 to ft. 75 Ft. to ft.

Type of screen or perforations

Static Water level, for non-flowing well: 30 FROM TOP feet.

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

Pumping water level 22 feet at 10 gal. per min.

How tested: 1 HR BAILER TEST

Length of test

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

(over)



## Log of Well

[illegible]

GW

Approved: State Engineer - NIAIS Publishing Co., Helena, Montana 59601

File No. B-1045

DUPLICATE

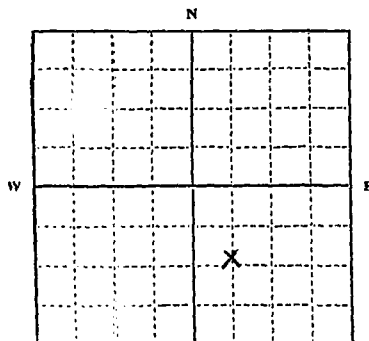
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

County Golden Valley

RECEIVED  
JAN 6 1964

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

1. F. Lorion J. Rock of Lavina  
(Name of Appropriator) (Address) (Town)  
County of Golden Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 19, T. 22, R. 9

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 1950 Constant
4. The amount of groundwater claimed (in miner's inches or gallons per minute) Not applicable
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 NW 1/4 Sec. 19, T. 22, R. 9
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Not applicable
8. The depth of water table 3 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 5 ft casing - 15 feet deep
10. The estimated amount of groundwater withdrawn each year Not applicable
11. The log of formations encountered in the drilling of each well if available Not applicable
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

F. Lorion J. Rock  
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.

23793

53837

State of Missouri } ss.  
Valley County,  
this 31 day of  
Dec. A. D. 1963  
at 9:07 o'clock P. M.  
Elizabeth M. J. Rankin  
County Recorder.  
Vern L. Martin  
Deputy.

9W4

Approved Stock Form—State Publishing Co., Helena, Montana—42329

File No. B 1175

STATE WATER CONSERVATION BOARD

DUPLICATE

LOG **R E C E I V E D** SEP 1 1965

Sw 27 T. 9 N R. 22 E 27  
County Golden Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner Johnson-Eber Ranch, Roundup, Mont.

Driller Harry M. Connel Address Roundup, Mont.

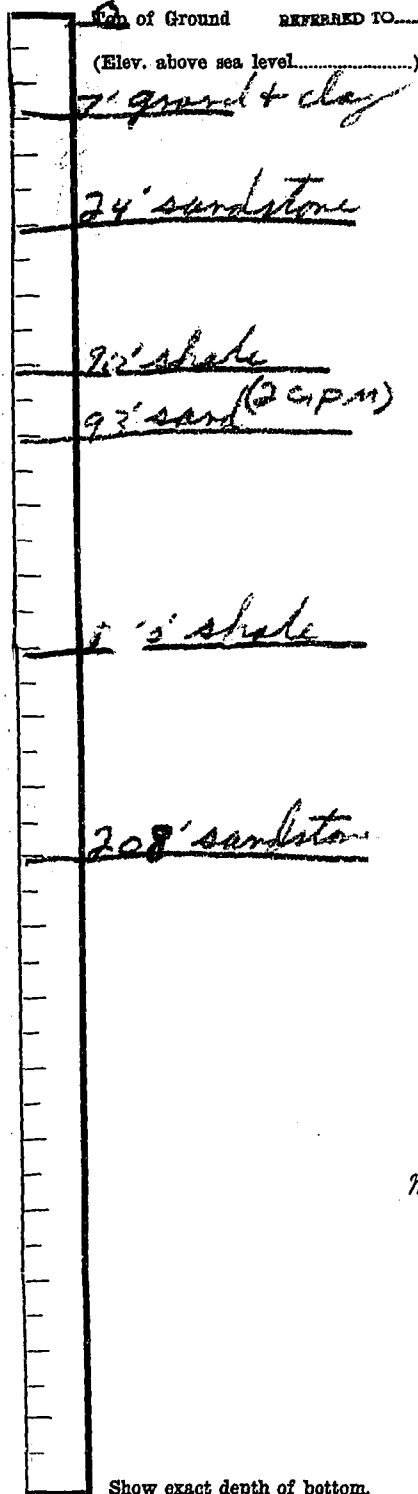
Date of Notice of appropriation of groundwater

Date well started Aug 10/1965 Date completed Aug 21, 1965

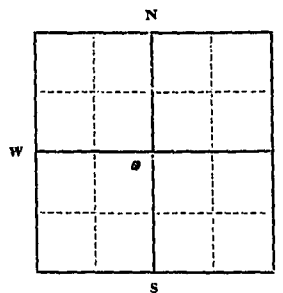
Type of well drilled Equipment used Churn Drill  
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

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

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



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	5" I.D. 15#	0	207	1/2" slots	180	205



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

Static Water Level for non-flowing well N.A. feet.  
Shut-in Pressure for Flowing Well N.A. feet.  
Pumping Water Level N.A. feet at N.A. gal. per minute.  
Discharge in gal. per min. of flowing well 52 GPM  
How Tested See Remarks  
Length of Test 2 HOURS  
Remarks: (Gravel packing, cementing, packers, type of shutoff) Gravel packed with water & cement in barrel. Cemented with 15 # brown 100' up to 25' from top

(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).

See remarks

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 43

Driller's Signature Harry M. Connel

39497