

11 THE STATE OF MONTANA, COUNTY OF DAWSON, BEING THE COUNTY IN WHICH THE LAND DESCRIBED IN THE FOREGOING IS LOCATED, DO HEREBY CERTIFY THAT THE SAID INSTRUMENT IS A TRUE AND CORRECT COPY OF THE ORIGINAL AS FILED IN THE OFFICE OF THE COUNTY CLERK AND RECORDER OF SAID COUNTY, MONTANA, THIS 23rd DAY OF DECEMBER, 1963, AT 9:00 O'CLOCK A. M.

23rd day of December, 1963  
Gordon W. Russell  
County Clerk and Recorder

288432

STATE OF MONTANA  
County of Dawson

Filed for record this 23rd day of  
December A. D. 1963, at  
9:00 o'clock A. M.  
Gordon W. Russell  
County Clerk and Recorder.

By \_\_\_\_\_ Deputy.

*He Pd \$ 2.00*

RECEIVED

STATE ENGINEER

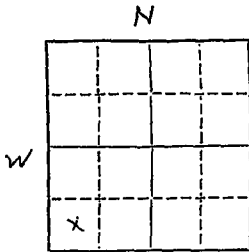
MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

T. 16 R. 35

County DAWSON

34

WATER WELL LOG



Owner ROLAND HERBST Address GLENDINE MONT U

Driller HAROLD GARDIN Address LINDSEY MONT U

Date Started 12-15-52 Date Completed 12-27-52

Location: Sec. 34 T. 16 N R. 35 E  $\frac{1}{4}$  sec. S.W.

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: 6 ft. to 70 ft. Type Heavy S. Steel Size 4"

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

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

Perforated or Screened: Ft. 60 to ft. 70 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations 3/4" X 3" SLOTS CUT IN WELLS

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

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

Pumping water level 45 FT FROM SURFACE feet at 10 gal. per min.

How tested: SLUSH BUCKET

Length of test: DNE HDBR

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

(over)



File No. ....

T. 16 R. 55-34  
County Dawson

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

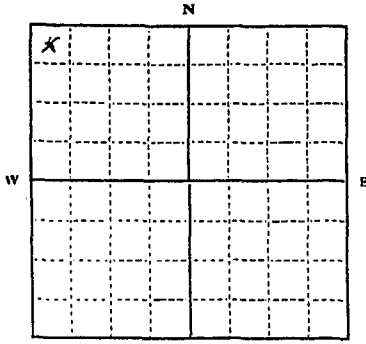
RECEIVED  
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Roger D. Jacobsen, of Dry Creek Drive Glendive Mont.  
(Name of Appropriator) (Address) (Town)  
County of Dawson State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 34 T. 16 R. 55

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

2. The beneficial use on which the claim is based Household and lawn and garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1950 - daily

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal per min

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof used for lawn and garden 1.14 acre

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

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

8. The depth of water table 70 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 70 feet - cased, plastic pipe and jet pump

10. The estimated amount of groundwater withdrawn each year 146,000 gal.

11. The log of formations encountered in the drilling of each well if available not available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner Roger D. Jacobsen

Date 12-26-63

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 No. ....

T. 16 R. 55-34

DUPLICATE

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

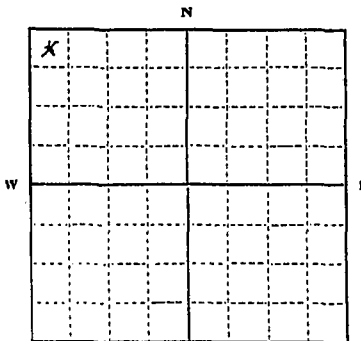
RECEIVED  
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Roger D. Jacobsen, of Dry Creek Drive Glendive Mont.  
(Name of Appropriator) (Address) (Town)  
County of Dawson State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 34 T. 16 R. 55

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

- The beneficial use on which the claim is based. Household and lawn and garden
- Date or approximate date of earliest beneficial use, and how continuous the use has been. 1950 - daily
- The amount of groundwater claimed (in miner's inches or gallons per minute). 1.0 gal per min
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. used for lawn and garden 1.14 acre
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Electric jet pump
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. approximately 1950
- The depth of water table. 70 feet
- 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. 70 feet - cased, plastic pipe and jet pump
- The estimated amount of groundwater withdrawn each year. 146,000 gal.
- The log of formations encountered in the drilling of each well if available. not available
- 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 Roger D. Jacobsen  
Date 12-26-63

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.

286508

STATE OF MONTANA  
County of Dawson

Filed for record this 26<sup>th</sup> day of  
December A. D. 1963, at  
1:00 o'clock P.M.  
Gordon W. Russell  
County Clerk and Recorder.

By \_\_\_\_\_ Deputy.

He Pd 200

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

JUL 15 1970

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.

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.

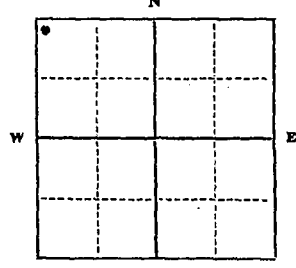
Owner Calvin Jorgensen  
Address West Glendina  
Montana  
Date well started July 3, 1970  
completed July 11, 1970  
Type of well Drilled  
Equipment used Cable Tool  
Water Use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other  Garden/Lawn

For Administrator's Use  
File July 13, 1970  
2:40 p.m.  
GW 310417

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	5" 15" Pvc. Ft.	Top	84'	None		
		To				
		Bottom				



Static water level 42 ft.\*  
Pumping water level 37 ft.\*  
at 30 gallons per minute,  
measured 30 minutes after pumping began.  
\*Measured from ground level.  
Well developed by Baler  
for 2.0 min.  
Power          Pump          HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff)

NW 1/4 NW 1/4 Sec. 34  
T. 16 N. R. 55 E  
S W

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

Driller's Signature Derby Whitmer  
Driller's Address Blainfield, Mont  
LICENSE NO. 107

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	33	Gravel & sand
33	51	Sand & water 10 gal per min. run
51	59	Hard water Faint shale
59	62	Sand & shale
62	67	more sand & shale
67	84	more sand & water
84	85	1 ft solid sand shale set casing dry hole
85	89	Sand & shale
89	101	Sand & soft water
101		Bottom of well

101' Show exact depth of bottom  
46674



30  
1001

Table with multiple columns and rows, mostly blank or containing faint text.

Handwritten notes and signatures in the upper left section.

Main body of text, possibly a deed or legal document, with some handwritten annotations.

Vertical text on the right side, possibly a list or index, with some handwritten entries.

318417  
310417

STATE OF MONTANA  
County of Dawson  
Filed for record this 13<sup>th</sup> day of July A D 1970 at 2:46 o'clock P. M.  
Dorinda Russell  
County Clerk & Recorder  
By Patricia Peterson Deputy



GV

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

File No. ....

T. 16 R. 55

DUPLICATE

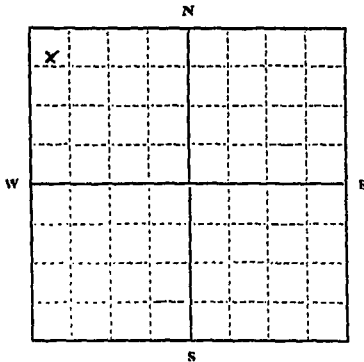
County Dawson  
**RECEIVED**  
DEC 30 1963

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

1. Mr. Jake Klein & Tillie Klein of Dry B. Dr. Glendine  
(Name of Appropriator) (Address) (Town)

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



NW 1/4 NW Sec. 34 T. 16 R. 55

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. Homehold Lawn & Garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1953 continuously

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 5 gpm 6 gal per minute

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. 250,000 gal per year Deep well w/ pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1953

8. The depth of water table. 95 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. Well is 80 ft. 60 ft of casing 7"

10. The estimated amount of groundwater withdrawn each year. 750,000

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. None

Tillie Klein  
Signature of Owner Mr. & Mrs. Jake Klein  
Date Dec. 13, 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.

14249

286517

STATE OF MONTANA  
County of Dawson

Filed for record this 26<sup>th</sup> day of  
December A. D. 1963, at  
3:30 o'clock, P. M.

Gordon W. Russell  
County Clerk and Recorder.

By \_\_\_\_\_ Deputy.  
He P. F. 2 cc

46

DS-21  
T1N-R55E 34

MONTANA WATER RESOURCES BOARD  
DIVISION OF WATER RESOURCES  
DIVISION OF WATER RESOURCES

NOTICE OF APPROPRIATION

1. County DAVISON Book 0-5 Page 31 Record W.R.

2. Name of Appropriator JOHN I. KRAUFF

Address CRACKER BOX ROUTE, GLENDALE, MONTANA

3. Date Appropriated 1955 Date Filed DEC. 29, 1961

Amount Appropriated, Miners Inches Approx. 41 M.I. Cubic Feet, Per Sec. 0.178 OR 8 GAL. PER MIN.

4. Name of Stream GROUND WELL

Tributary of DEY CREEK Basin MISSOURI

5. Purpose, Irrigation  Domestic  Stock  Other

6. Land Description of Intended Place of Use: BEGINNING

Quarter Sec. Twp. Rge. Quarter Sec. Twp. Rge.

8 AC. MORE OR LESS  
{ N<sup>1</sup> CORNER SEC 39 T1N R55E → THEN N. 88° 58' W. 207 ft., THEN S. 6° 5' E. 918';  
THEN N. 66° 55' E. 1467 ft.; THEN N. 71° 35' E. 197 ft.; THEN N. 847 ft. TO BEGINNING.

\* 7. Point of Diversion: GROUND WELL, BEGINNING AT SW CORNER OF SAID TRACT.

Quarter of Section Section Township Range

Bank of Stream Left  Right  (Looking Downstream.)

8. Size of Ditch 1 1/4 INCH PIPE

Bottom Width Top Width Depth

Direction of Flow of Ditch

9. Remarks (Present Use Status, etc.)

\* THEN NORTHWESTELY ALONG WEST LINE  
APPROX 625 ft. THEN E. APPROX. 60 ft. TO  
POINT OF WELL.

PLATTED BY

CHECKED BY D. Smith

34

File No. ....

T. 16 R. 55

DUPLICATE

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

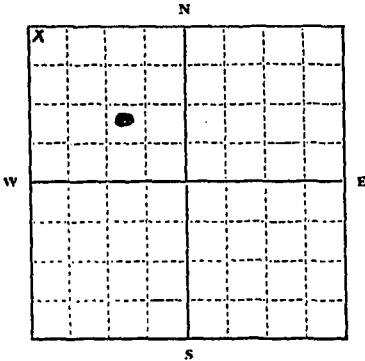
RECEIVED  
NOV 1 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Albert Latka of Dry Creek Drive Glendive  
(Name of Appropriator) (Address) (Town)  
County of Dawson State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 NW Sec 34 T.16 R. 55  
Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based.....  
Household use

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been.....  
1952

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute).....  
45 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  
used to irrigate garden and lawn

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

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater..... 1952

8. The depth of water table..... 45 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.....  
75 feet deep - Cast iron casing - drilled well

10. The estimated amount of groundwater withdrawn each year..... 400,000 gallons

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

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 Albert Latka

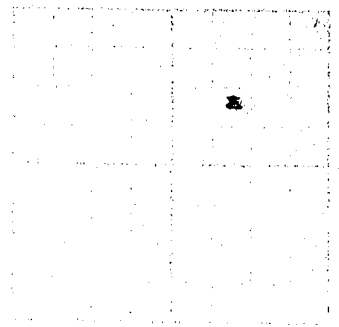
Date October 30, 1963

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.

6746



285551

STATE OF MONTANA  
County of Dawson

Filed for record this 30<sup>th</sup> day of  
Oct. A. D. 1963, at  
9:00 o'clock A.M.  
Gordon W. Russell  
County Clerk and Recorder.  
By Alice Austby Deputy.  
Fee pd. 2<sup>00</sup>

34

File No. \_\_\_\_\_

T. 16 R. 55

DUPLICATE

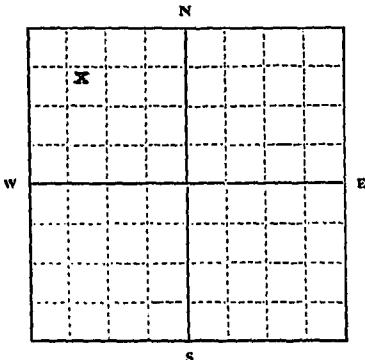
County Dawson

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

RECEIVED  
 NOV 18 1963

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

1. Glenn H. Mitchell of Highland Park Road  
 (Name of Appropriator) (Address) (Town)  
 County of Dawson State of Montana  
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NW Sec 34 T. 16 R. 55

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

2. The beneficial use on which the claim is based...  
Household use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been...  
1959 Continuous

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

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...  
Deep well jet pump

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...  
50 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...  
Deep well 96 feet - Pumping 70 feet - 4" casing

10. The estimated amount of groundwater withdrawn each year...  
180,000 gallons

11. The log of formations encountered in the drilling of each well if available...  
35 ft sand gravel  
40 ft Blue Bentonite  
20 ft Hand 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 Glenn H. Mitchell

Date November 14, 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.

7185

285813

STATE OF MONTANA  
County of Dawson

Filed for record this 15<sup>th</sup> day of  
Nov A. D. 1963, at  
9:40 o'clock A. M.

Gordon W. Russell  
County Clerk and Recorder.

By Alice Austby Deputy.

Fee pd. # 2.00

RECEIVED  
MAY 19 1957

T. 16 R. 55 34  
County DAWSON

STATE OF MONTANA

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner: *John H. 9000 Montana* Address: *C. B. Rte. 5100*  
 Driller: *Forest Hill* Address: *Glendora Mont*  
 Date Started: *Nov 13-52* Date Completed: *Nov 20-52*  
 Location: Sec. 34 T. 16 R. 55 1/4 sec. *NW 1/4, W 1/2 NW 1/4*

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

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

Casing: *6" Heavy* ft. to *20 ft* ft. Type \_\_\_\_\_ Size \_\_\_\_\_  
 Casing: *4" 20 ft* ft. to *70 ft* ft. Type \_\_\_\_\_ Size \_\_\_\_\_  
 Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. *40 ft* to ft. *70 ft* Ft. \_\_\_\_\_ to ft. \_\_\_\_\_  
 Type of screen or perforations: *6" long galvanized cast iron*

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

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

Pumping water level: *30 ft from top* feet at \_\_\_\_\_ *5 gal* gal. per min.

How tested: *Hand*

Length of test: *5 min*

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)  
*See page 2 for details*

(over)



RECEIVED  
DEC 2 1957

T. 16 R. 55 34

STATE ENGINEER

County DAWSON

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

C. D. R. T.


Owner: Mrs. H. G. Mortenson Address: Glendora Mont

Driller: Forest Hillier Address: Glendora Mont

Date Started: Nov. 13-52 Date Completed: Nov 20-52

Location: Sec. 34 T. 16 R. 55 1/4 sec. NW 1/4, W 1/2 NW 1/4

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

Water use: Domestic  Municipal  Stock  Irrigation

Industrial  Drainage  Other: \_\_\_\_\_

Casing: 6" Heavy ft. to 20 ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: 2" ft. to 70 ft. Type \_\_\_\_\_ Size \_\_\_\_\_

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

Perforated or Screened: Ft. 40 ft to ft. 70 ft Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations: 6" long Galvalume cut torch

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

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

Pumping water level: 30 ft from Top feet at 59 gal gal. per min.

How tested: Bailor

Length of test: Five hours

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)  
No packing no shut off.

(over)





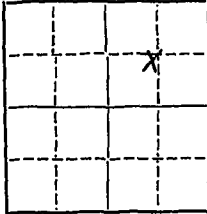
RECEIVED  
JAN 27 1958

T. 16 R. 55  
County Dawson

34

STATE ENGINEER  
MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG



Owner Chester Nentwig Address Glendive, Mont.  
Driller Harold Savin Address Lindsay, Mont.  
Date Started Oct. 15, 1957 Date Completed Nov. 11, 1957  
Location: Sec. 34 T. 16 R. 55 1/4 sec. N. E.

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: Surface ft. to 83 ft. Type Heavy steel Size 4"

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

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

Perforated or Screened: Ft. 70 to ft. 83 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations: 3/16" x 3" slots cut in casing

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

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

Pumping water level: 50 ft. from surface at \_\_\_\_\_ gal. per min. 7

How tested: Slush bucket

Length of test: One hour

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

GW2

File No. ....

DUPLICATE

T. 16 N. R. 55 E

County. Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater  
Appropriation by Means of Well

RECEIVED  
FEB 17 1962  
STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Owner. Camron B. Nelson Address. Blindheim, Mont.

Driller. Henry I. Johnson Address. Ferry, Mont.

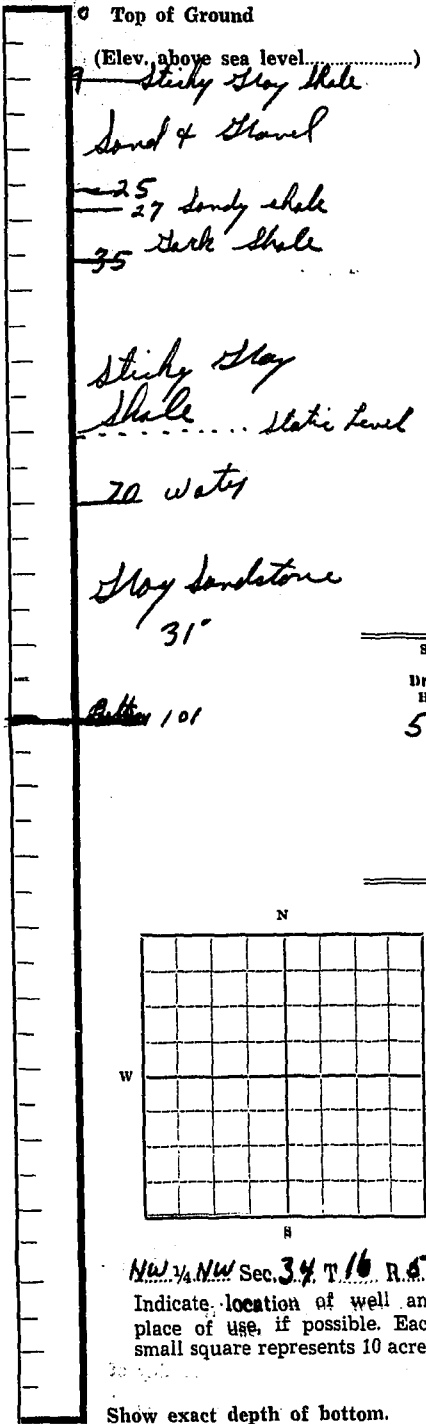
Date of Notice of Appropriation of Groundwater. NA

Date well started. Feb 8 Date Completed. Feb 13

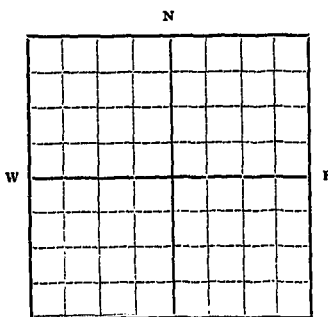
Type of well. Drilled Equipment Used. Cable tool  
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

Water Use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 5/8	4" 9 1/2#	0	101	3/8 Hole	78	101



NW 1/4 NW Sec. 34, T. 16, R. 55  
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. 60 feet.  
Shut-in Pressure for Flowing Well. NA  
Pumping Water Level. 75 feet at 10 gal. per minute.  
Discharge in gal. per min. of flowing well. NA  
How Tested. Bails 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)

Twenty Two (22)  
Driller's License Number  
Henry I. Johnson  
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.

Office of the State Auditor  
Address: Helena, Montana  
Date of audit: 9-1-62  
Date completed: 9-1-62  
Type of audit: Special  
Department: State  
County: Dawson

Handwritten notes and signatures in the top right corner.

- Financial
- Stock
- Other
- Special

Statement of the character and findings of the auditor...  
The auditor has examined the books and records of the...  
and has found that the same are correct and true in all...  
material respects.

Item	Amount

Summary of findings and recommendations...  
The auditor recommends that the...  
be maintained in accordance with the...  
and that the... be reviewed...



(SE) [Signature]

280529  
STATE OF MONTANA  
County of Dawson  
Filed for record this 6<sup>th</sup> day of  
Sept. A. D. 1962, at  
11:45 o'clock A.M.  
Gordon W. Russell  
County Clerk and Recorder.  
By Alice Austley Deputy

34

File No. ....

T 16 R 55

DUPLICATE

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

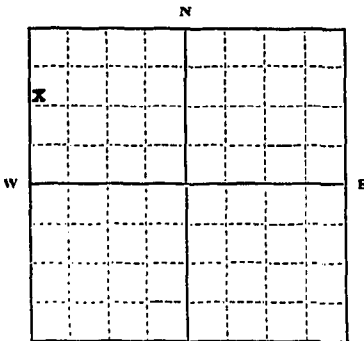
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1962)

1. Margaret B. Pierce, of Dry Creek Drive Glendive  
(Name of Appropriator) (Address) (Town)

County of Dawson State of Montana

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



SWNW 1/4 NW Sec 34 T16 R55

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 Entire water supply for home and irrigation of garden and lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Well drilled April, 1943 and used every day since.

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 one-half acre in garden and lawn of Margaret B. Pierce

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal by a jet pressure pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April 1943

8. The depth of water table not known

9. So far as it may be available - the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled well - 6 in. in diameter about 70 ft. deep

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

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 none

Signature of Owner Margaret B. Pierce  
Date Dec 9, 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.

10047 10 44 988

286173

STATE OF MONTANA  
County of Dawson

Filed for record this 9<sup>th</sup> day of  
December A. D. 1963, at  
4:30 o'clock P.M.

Woodrow H. Russell  
County Clerk and Recorder.

By Laye Schittler Deputy.

Fee Pd \$2.00



34

File No. ....

T. 16N R. 55E

DUPLICATE

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

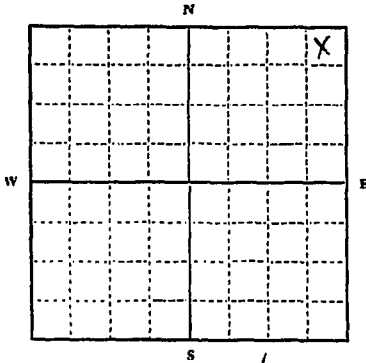
RECEIVED  
DEC 30 1963

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. R.B. Roberts (Name of Appropriator), of Box 1, Gardiner, Mont. (Address) (Town)  
County of Dawson State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



76.71/4 Sec. 34 T. 16N R. 55E

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

- 2. The beneficial use on which the claim is based. for domestic station & coffee use.
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. April 1st, 1962 - continuous since
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 45 gals 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. By electric pressure pump.

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. April 1st, 1962 - 1 day
- 8. The depth of water table. 15 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 inch drilled well 100 ft deep. Cased with steel pipe.
- 10. The estimated amount of groundwater withdrawn each year. 50,000 gals
- 11. The log of formations encountered in the drilling of each well if available. Sand, Clay & gravel
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. none

Signature of Owner R.B. Roberts  
Date 12-26-1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.  
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator. 14256

11  
30

286526

STATE OF MONTANA  
County of Dawson

Filed for record this 26<sup>th</sup> day of December A. D. 1963  
4:30 o'clock P. M.

Gordon W. Russell  
County Clerk and Recorder.

By \_\_\_\_\_ Deputy.

See P 2 cc

GV

0.34

File No.

T. 16 R. 55

DUPLICATE

*should be GW 2*

County

Dawson

RECEIVED  
APR 26 1963

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

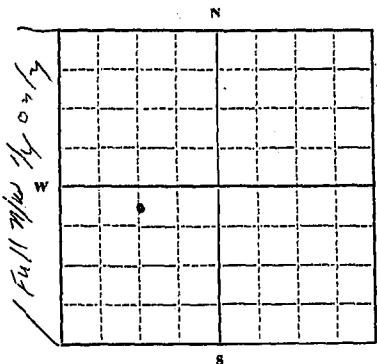
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Henry P. Senner, of Dry Creek Drive  
(Name of Appropriator) (Address)  
Glendive (Town)

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



N.W. 1/4 Sec 34 T. 16. R. 55

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... IRRIGATION

3. Date or approximate date of earliest beneficial use; and how continuous the use has been... started, June of 1962, used for growing season.

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof... 1.44 Acres, in N.W. 1/4 of the N.W. 1/4 of sec 34-16-55

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... well. 11' dia. Pumped therefrom.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... started well in June 1 complete same month.

8. The depth of water table... 10'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater... well. 11' dia.

10. The estimated amount of groundwater withdrawn each year... 2 Acre feet

11. The log of formations encountered in the drilling of each well if available... None, except gravel from surface to Bottom.

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

Notary - Glendive Mont.  
Mary Criswell  
Expire Dec. 29, 1963

Signature of Owner Henry P. Senner

Date 4-21-63

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.

34 19 22  
The N.W. 1/4 of Sec 24-18-22  
1/4 N.W. 1/4 of Sec 24-18-22  
20 dca for minerals  
1/4 N.W. 1/4 of Sec 24-18-22  
started for town  
started for town

10  
The N.W. 1/4 of Sec 24-18-22  
located on old creek  
located on old creek  
located on old creek  
located on old creek  
located on old creek  
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for the purpose of

STATE OF MONTANA  
County of Dawson  
Filed for record this 25<sup>th</sup> day of  
April A.D. 1923, at  
3:45 o'clock P.M.  
Landon W. Russell  
County Clerk and Recorder.  
By Miss Luetky, Deputy.

pd. 2<sup>00</sup>

File No. ....

T. 16 R. 55  
County: Dawson

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

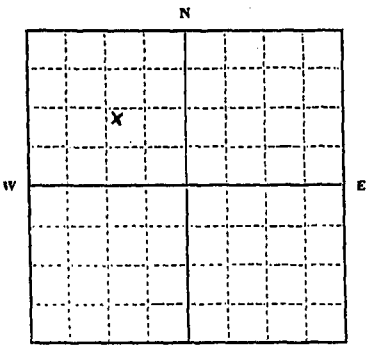
RECEIVED  
DEC 20 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Garfield Muloek, of C. B. Route, Glendire  
(Name of Appropriator) (Address) (Town)  
County of Dawson State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec 34 T. 16 R. 55

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

- 2. The beneficial use on which the claim is based: For House, Cakes, lawns, Garage, business trees, shrubs
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been: April 1st 1946 being used continuously
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute): 500 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: Jet Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Apr 1st 1946

8. The depth of water table: 60 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: 1 well, 55-foot deep, 6 inch casing

10. The estimated amount of groundwater withdrawn each year: 10,520,000  
~~5,250,000~~ gal per year

11. The log of formations encountered in the drilling of each well if available: Gravel, Sand & silt

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: Mrs. Garfield Muloek  
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.

286336

STATE OF MONTANA  
County of Dawson

Filed for record this 18<sup>th</sup> day of  
December A. D. 1963, at  
1:30 o'clock P.M.

Gordon H. Russell  
County Clerk and Recorder.

By Jaye Scheitler Deputy.

Fee pd. \$ 2.00

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

34

File No. ....

T. 16 R. 55

**DUPLICATE**

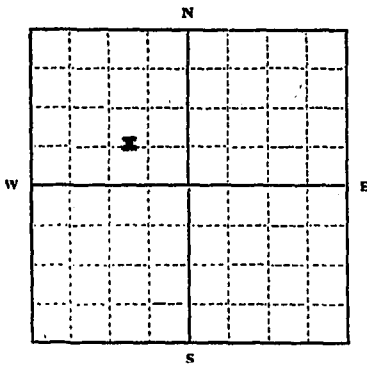
County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN. 14 1964

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

1. William W. Wood of Box 199 Glendive  
(Name of Appropriator) (Address) (Town)  
County of Dawson State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



**SW 1/4 NW Sec. 34 T. 16 R. 55**

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

2. The beneficial use on which the claim is based.....  
Household and Garden and Lawn
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....  
1961
4. The amount of groundwater claimed (in miner's inches or gallons per minute).....  
15 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.....  
1/8 acre
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....  
Submersible pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....  
1961
8. The depth of water table.....  
50 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.....  
Deep 65 feet, 4" casing Pump set at 64 feet
10. The estimated amount of groundwater withdrawn each year.....  
200,000 Gallons
11. The log of formations encountered in the drilling of each well if available.....  
Unknown
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to and page of any county record.....  
None

Signature of Owner.....  
Date..... December 27, 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.

31688

286547

STATE OF MONTANA  
County of Dawson

Filed for record this 27th day of  
December A. D. 1963, at  
1:00 o'clock P. M.  
Gordon W. Russell  
County Clerk and Recorder.

By \_\_\_\_\_ Deputy:

Gee Pd #2 cc



File No. ....

T 16N R 55E

DUPLICATE

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 14 1964

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

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground  
 (Elev. 5550 M level.....)  
 10' Yellow  
 28' Chrome Bal Per Min,  
 55' Gray Clay  
 63' Sand 10 Bal Per Min  
 85' Gray Clay shut off  
 100' Sand #5 Bal Per Min

Owner Jack Miller Address Blainville  
 Driller Robert W Haggerty Address Blainville

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

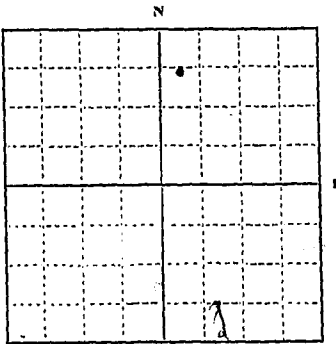
Date well started 9-15-63 Date Completed 9-21-63

Type of well Drilled Equipment Used Churn Drill  
 (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)
4"	4" ID 12 lbs	0	86'	Bottom open		



NE 34 Sec 16 T. N R. 55E  
 Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well.....feet.

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

Pumping Water Level 75' feet at 15 gal. per minute.

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

How Tested Ball & Pump Length of Test 3 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).....

Curtis J Milne

65  
Driller's License Number

Robert W Haggerty  
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.

COUNTY OF DAWSON  
 STATE OF MONTANA  
 DEPARTMENT OF REVENUE  
 RECORDS SECTION


This document is a true and correct copy of  
 the original as shown to the undersigned by  
 the County Clerk and Recorder of the County of  
 Dawson, State of Montana, on this \_\_\_\_\_ day of  
 \_\_\_\_\_, 19\_\_\_\_.

286869

STATE OF MONTANA  
County of Dawson

Filed for record this 31<sup>st</sup> day of  
December A. D. 1963 at  
3:30 o'clock P.M.

Gordon W. Russell  
 County Clerk and Recorder.

By \_\_\_\_\_ Deputy.

File No. ....

T. 16 R. 55

DUPLICATE

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
NOV 20 1963

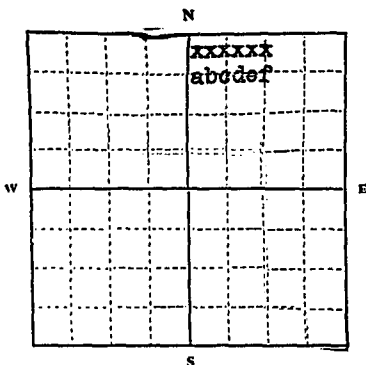
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Joe Crisafulli and Sons of Glendive  
(Name of Appropriator) (Address) (Town)

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



2. The beneficial use on which the claim is based Commercial Buildings - along Highway 10 west of Sidney Highway

3. Date or approximate date of earliest beneficial use; and how continuous the use has been A-1951; B-1954; C-1957; D, E, F-1959

4. The amount of groundwater claimed (in miner's inches or gallons per minute) All 20 gal per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None not

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal All-Deep well jet pumps

1/4 NE Sec. 35 T. 16 R. 55

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater All the same as in question #3

8. The depth of water table All-about 80 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 All-120 feet Deep - 6" casing

10. The estimated amount of groundwater withdrawn each year 20 gal per min for each

11. The log of formations encountered in the drilling of each well if available none

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner Joe Crisafulli & Sons  
Date November 18, 1963

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

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

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

285846

STATE OF MONTANA,  
County of Dawson

Filed for record this 19<sup>th</sup> day of  
Nov. A. D. 1962, at  
9:00 o'clock A.M.

Gordon W. Russell   
County Clerk and Recorder.

By  Alice Austly  Deputy.  
 Fee pd. 2.00

35

File No. ....

T. 16 R. 55

DUPLICATE

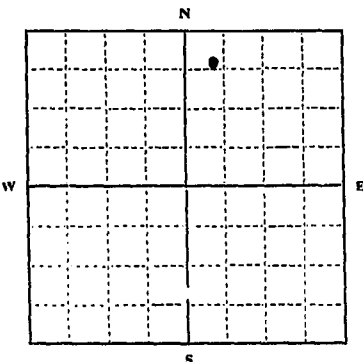
County Dawson

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 20 1963  
STATE ENGINEER

1. CITY of GLENDIVE (Name of Appropriator) (Address) (Town)  
County of DAWSON State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NE 1/4 Sec. 35 T. 16N R. 55E  
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.....  
**PART OF MUNICIPAL WATER SUPPLY**
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been... **AUGUST 1941 AND USED DAILY SINCE THAT DATE**  
**WELL NO. 2.**
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute)... **135 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... **DEEP WELL TURBINE PUMP LOCATED IN VAULT UNDER ALLEY OF BLOCK 5, NEAR MUNICIPAL WATER PLANT**

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... **Drilling started August 1, 1941 and completed August 7, 1941**
- 8. The depth of water table... **71' to 128' below ground level. Static water level 34'**
- 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" surface casing set to a depth of 56 feet, 8 1/2" well casing set to a depth of 132 feet with 36 feet of perforated casing in the water bearing sand. A 4" Fairbanks, Morse & Co. deep well turbine pump installed in the well.**
- 10. The estimated amount of groundwater withdrawn each year... **27,500,000 Gallons**
- 11. The log of formations encountered in the drilling of each well if available... **0-1 gravel, 1-10 yellow gumbo, 10-18 sandy yellow clay, 18-24 gravelly yellow clay, 24-40 sandy grey shale, 40-46 grey shale, 46-49 brown shale (hard at 47), 49-59 sticky blue shale, 59-63 chocolate brown shale, 63-71 grey shale, 71-128 sandy grey shale and water, sandier at 80-85 & 120-125, 128-132 dark blue 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.....

CITY OF GLENDIVE, MONTANA  
Signature of Owner... *Claude A. Eger*  
Water Supt.  
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.

10732

286326

STATE OF MONTANA  
County of Dawson

Filed for record this 18<sup>th</sup> day of  
December A. D. 1965, at  
11:00 o'clock A.M.

Landon H. Russell  
County Clerk and Recorder.

By Loye Schertzer Deputy.  
No Fee

File No. ....

T. 16 R. 55

DUPLICATE

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 20 1963

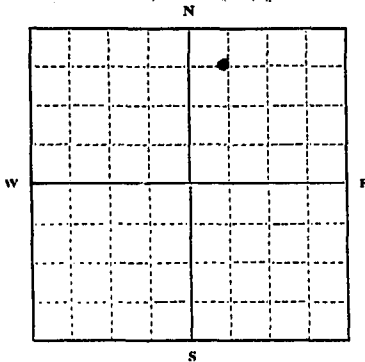
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. CITY of GLENDIVE, of GLENDIVE (Name of Appropriator) (Address) (Town)

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



NW 1/4 NE 1/4 Sec. 35 T. 16 N. R. 55 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. PART OF MUNICIPAL WATER SUPPLY

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. DECEMBER 1934 AND USED DAILY SINCE THAT DATE WELL NO. 1.

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 85 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. DEEP WELL TURBINE PUMP LOCATED IN THE MUNICIPAL WATER PLANT

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Drilling started Nov. 8, 1934 and completed Nov. 12, 1934

8. The depth of water table. 68' to 88' below ground level. Static water level at 22'

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" surface casing set to a depth of 45 feet, 8 1/2" well casing set to a depth of 105 feet with 20 feet of perforated casing from 68 to 88 foot depth. A 4" Fairbanks, Morse & Co. deep well turbine pump installed in the well.

10. The estimated amount of groundwater withdrawn each year. 17,500,000 Gallons

11. The log of formations encountered in the drilling of each well if available. 0 to 16' brown gumbo - 16' to 26' gravel - 26' to 69' gray gumbo - 69' to 78' water bearing sand - 78' to 82' rock - 82' to 87' water bearing sand - 87' to 90' rock - 90' to 105' Pierre 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

CITY OF GLENDIVE, MONTANA

Signature of Owner. Claude W. Eyer  
Water Supt.  
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.

10733

286327

STATE OF MONTANA  
County of Dawson

Filed for record this 18<sup>th</sup> day of  
December A. D. 1965, at  
11:00 o'clock A.M.

Gordon H. Russell  
County Clerk and Recorder.

By Layne Schmitt Deputy.

No Fee



GW

File No. ....

DUPLICATE

T. 16 N R. 35 E

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

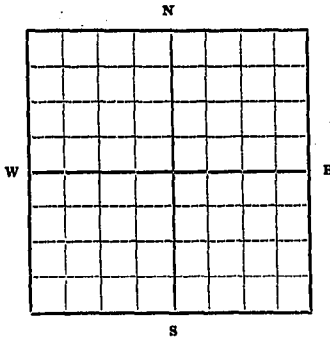
RECEIVED  
FEB 5 1962

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. HILGER CHEVROLET CO. of 301 N. KENDICK AVE. GLENDALE  
(Name of Appropriator) (Address) (Town)  
County of DAWSON State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 35 T. 16 R. 23

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 GARAGE BUILDING AND APPLIANCES

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1952 STEADY TO DATE

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 150 GALLON

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 PRESSURE PUMP LOT 9-10-11-12 BLOCK 12- GLENDALE MO. RT.

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

8. The depth of water table 103 FEET

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4 INCH CASE 17 1/2 HIT WATER AT 103 FEET WATER CAME UP WELL 67 FEET TOTAL DEPTH OF WELL 106 FEET

10. The estimated amount of groundwater withdrawn each year NO MEANS OF MEASUREMENT

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 NOTE

HILGER CHEV. CO.  
Signature of Owner [Signature]  
Date 2-2-1962

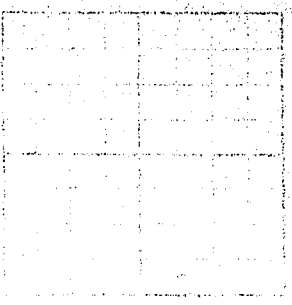
Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

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.

NOTICE TO THE PUBLIC: This document is a public record and is available for inspection and copying by any person at any time.

The following information was obtained from the records of the County Clerk and Recorder of Dawson County, Montana, on the date hereinafter specified:



The above information was obtained from the records of the County Clerk and Recorder of Dawson County, Montana, on the date hereinafter specified:

Recorded in Book 10, Page 10, of the records of the County Clerk and Recorder of Dawson County, Montana, on the date hereinafter specified.

The above information was obtained from the records of the County Clerk and Recorder of Dawson County, Montana, on the date hereinafter specified:

278291

STATE OF MONTANA  
County of Dawson

Filed for record this 2<sup>nd</sup> day of  
Feb. A. D. 1962, at  
4:00 o'clock P.M.

Gordon W. Russell  
County Clerk and Recorder.

By Alie Austin Deputy.

Fee pd. \$ 2<sup>00</sup>

T. 16N R. 55E  
County DAWSON

35

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

RECEIVED  
JUN 1959

	X	

Owner Montana Highway Dept. Address MISSO ENGINEER  
Driller Adkison Water Well Drilling Address Box 832, Glendive, Mont  
Date started February 5, 1959 Date Completed Feb. 7, 1959  
Location: Sec. 35 T. 16N R. 55E 1/4 sec. NW 1/4 NW 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: State Park

Casing: 0 ft. to 103 ft. Type Heavy Iron Size 4 1/2" O.D.

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 85 to ft. 103 Ft. to ft.

Type of screen or perforation Torch Slots

Static Water level in non-flowing well: 15' from top feet.

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

Pumping water level: 17 feet at 30 gal. per min.

How tested: Bailed

Length of test: 2 hours

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

Steel collar shutoff at 40'

(over)



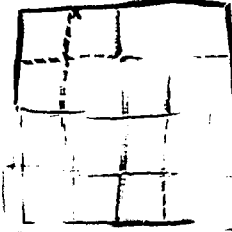
35

T. 16N R. 55E  
County DAWSON

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED

WATER WELL LOG STATE ENGINEER



Owner: Montana Highway Dept. Address: ...  
Asst. State Engineer Water Well Drilling Address: Box 832, Glendive, Mont.  
Started: February 11, 1959 Date Completed: Feb. 12, 1959  
Location: 15 T. 16N R. 55E 1/4 sec. NW 1/4 NW 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: State Park

Casing: 0 ft. to 99 ft. Type: Heavy Iron Size: 4 1/2" O.D.

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

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

Perforated or Screened: 86 ft. to 99 ft.

Type of screen or perforation: Forch Slots

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

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

Pumping water level: 17 feet at 30 gal. per min.

How tested: Bailed

Length of test: 2 hours

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)  
Steel collar shutoff at 30'

(over)



File No. \_\_\_\_\_

35  
No. 55  
Dawson

~~DUPLICATE~~

District \_\_\_\_\_

STATE OF MONTANA

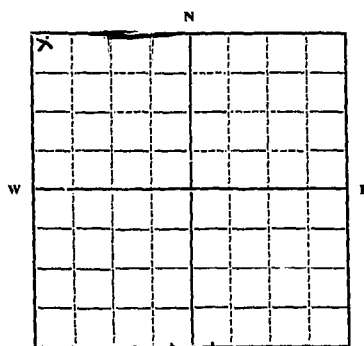
ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. L. L. Aud Zeller L. Mooney of West Glendive, Glendive  
(Name of Appropriator) (Address) (Town)  
County of Dawson State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 9 - Block 1  
West Glendive Sub-division  
N.W. 1/4 Sec. 35, T. 16, R. 55  
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based... Household use + garden irrigation
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been... April 28, 1956  
Daily continuous use
- 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... Lots 8 + 9 - Block 1  
West Glendive Sub-division
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... Drilled well, floored on lot 9 Block 1, West Glendive Sub-division
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... April 28, 1956
- 8. The depth of water table... 87 ft. stands 10 ft 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, cased, 5" casing, 97 ft deep.
- 10. The estimated amount of groundwater withdrawn each year... 180,000
- 11. The log of formations encountered in the drilling of each well if available... clay, gravel sand, gravel-clay, limestone
- 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 L. L. Mooney  
Date 12-3-63

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.

286185

STATE OF MONTANA  
County of Dawson

Filed for record this 10<sup>th</sup> day of  
December A. D. 1962, at  
2:00 o'clock P. M.

Harold J. Russell  
County Clerk and Recorder.

By Loye Schuttlin Deputy.

See Pd. #2.08



Form No. 18  
8-60

35

T. 16 R. 55

County DAWSON

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
JUN 14 1961

WATER WELL LOG

STATE ENGINEER


Owner Henry Steckler Address Glendive, Montana

Driller Elton Adkinson Address Glendive, Montana

Date Started 9-18-61 Date Completed 9-25-61

Location: Block 1-Lot 5 West Glendive Subdivision  
Sec. 35 T. 16 R. 55  $\frac{1}{4}$  sec.

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

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

Casing: - 5 ft. to 92 ft. Type Heavy Black Size 4 1/2" O.D.

Casing: - 5 ft. to 41 ft. Type Heavy Black Size 6" O.D.

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

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

Type of screen or perforations \_\_\_\_\_

Static Water level, for non-flowing well: \_\_\_\_\_ 6 feet.

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

Pumping water level 30 feet at 30 gal. per min. 1 min.

How tested: bailed

Length of test 1/2 hour

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

6" casing driven over 4 1/2 inch casing to a depth of 41 feet.

Collar pack off at 91 feet.

(over)



GW 2

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

35

File No. \_\_\_\_\_

STATE WATER CONSERVATION BOARD

T. 16-N.R. 55-E

DUPLICATE

RECEIVED  
AUG 13 1965

County Dawson

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)

0-2 Sandy soil  
3-30 Braked sand  
30-50 Blue sh.  
50-58 Sandy sh.  
58-73 Blue sh.  
73-77 sandy sh.  
77-85 fine sandy clay  
85-101 fine grey sand

Owner Jim Wiseman Address Glendive

Driller Chas. Allison Address \_\_\_\_\_

Date of Notice of appropriation of groundwater.....

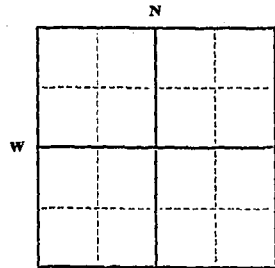
Date well started 3-12-65 Date completed 3-13-65

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

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	4 1/2" x 9 1/2"	0	100	Level Slots	90	100



Static Water Level for non-flowing well 12 feet.

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

Pumping Water Level 16 feet at 30 gal. per minute.

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

How Tested Barled

Length of Test 2-Hrs

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

Lot 13 Block 2 West  
Glendive Sub Div.  
NW 1/4 Sec. 35 T. 16-N.R. 55-E  
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).

Jim Wiseman  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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.

61  
Driller's License Number

Chas. Allison  
Driller's Signature

29420

**How to amend by notation**

DEPARTMENT OF REVENUE

1961

Handwritten notes and signatures at the top of the page, including a signature that appears to be "Alice Rustley".

Printed text describing the purpose of the document, likely related to tax or revenue reporting.

PERSONS		DATE	AMOUNT	REMARKS
1	1961	12	293289	

Large section of handwritten text and signatures, including a signature that appears to be "Gardner W. Russell".

293289

STATE OF MONTANA  
 County of Dawson  
 Filed for record this 12<sup>th</sup> day of Aug. A. D. 1965 at 3:30 o'clock P.M.  
Gardner W. Russell  
 County Clerk & Recorder  
 By Alice Rustley Deputy

Fee pd. 2<sup>00</sup>

GW 2

File No. ....

DUPLICATE

T. 16 N. R. 53-E

County Douglas

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER SEP 26 1963

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner Callin Ferguson address Blain, Mont

Driller Alton Water Well Drilling Co

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

Date well started 9-16-63 Date Completed 9-18-63

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

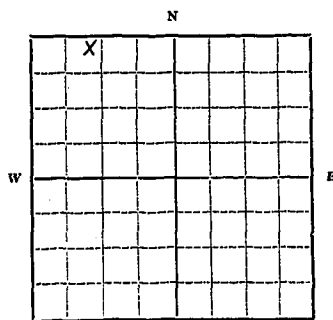
Water Use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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

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

0-12 Silty soil  
12-27 Gravel  
27-36 black sand  
36-63 Clay  
63-66 sandy clay  
66-80 Clay  
80-92 Sandy clay  
92-95 sand  
95-103 sandy clay  
103-110 blue sand

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	4 1/2 X 9	0	110	torch slot	94'	110'



1/4 Sec. T. 16 N. R. 53-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 50 feet.

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

Pumping Water Level 85 feet at 20 gal. per minute.

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

How Tested Bailed Length of Test 3 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) .....

61  
Driller's License Number

Alton Water Well Drilling Co  
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 Quaduplicate for the Appropriator.

6074

Original  Copy  Duplicate

When this document is filed for record, the County Clerk and Recorder shall certify to the date and time of filing and the amount of the fee paid therefor.

Notary Public for the State of Montana  
My commission expires on \_\_\_\_\_

Subscribed and sworn to before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1963, at \_\_\_\_\_ Montana.

Notary Public for the State of Montana  
My commission expires on \_\_\_\_\_

285113

STATE OF MONTANA  
County of Dawson

Filed for record this 24<sup>th</sup> day of

Sept. A. D. 1963, at  
4:30 o'clock P.M.

Gardner W. Russell  
County Clerk and Recorder

By Alice Austin Deputy.

Fee pd. \$2.00

RECEIVED  
DEC 2 1957

T. 16 N. R. 55 E. 2  
County DAWSON

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner Richard Knoepfle Address W. Wendell Box 171

Driller \_\_\_\_\_ Address \_\_\_\_\_

Date Started June 8th Date Completed June 10th

Location: Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ 1/4 sec. \_\_\_\_\_

Type of well  piston type  Equipment used  Sand Piston Driv'er   
(Dug, driven, bored, or drilled) (Chain drill, rotary, other)

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other:  House Hold & Gardening

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

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

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

Perforated or ~~Screened~~ Ft.  2 ft. Sand Part  to it \_\_\_\_\_ Ft. \_\_\_\_\_ to \_\_\_\_\_

Type of screen  ~~in perforations~~  sand piston

Static Water level for non-flowing well:  17  feet

Shut-in pressure, for flowing well:  none  lb./sq. in. on: \_\_\_\_\_ (date)

Pumping water level \_\_\_\_\_ feet at \_\_\_\_\_ gal. per min.  4 gals

How tested: \_\_\_\_\_

Length of test \_\_\_\_\_

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

We hit a rock while driving the sand piston down at 25 ft we hit the rock & pounded the sand piston threw then at 34 ft we hit another rock and left it at that

(over)

File No. ....

T. 16N R. 55E

DUPLICATE

County. Dawson

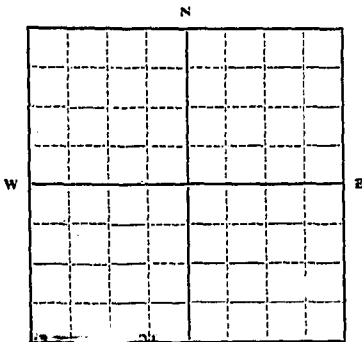
STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

RECEIVED  
 APR 17 1962  
 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Montana-Dakota Utilities Co. of 313 W. Valentine Glendive  
 (Name of Appropriator) (Address) (Town)  
 County of Dawson State of Montana  
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



32 of original  
Transmission, Glendive, Montana

1/4 Sec. T. R.

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

2. The beneficial use on which the claim is based. For Air Conditioning System of Production and Transmission Division Office.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1949 - Used part of June and September, used all of July and August from 1949 to present.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gals/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 N/A

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July, 1949

8. The depth of water table Approximately 37 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well has 31 feet of 8.5/8" Surface Casing and 133 feet of 6" line pipe as production casing with lower 73 feet slotted. Total depth is 133 feet.

10. The estimated amount of groundwater withdrawn each year 2,800,000 gallons

11. The log of formations encountered in the drilling of each well if available 0-12" top soil sandy clay, 12-23" Sand & Gravel, 23-29" Blue Shale, 29-30" sand, 30-35" Blue Shale, 35-50" Blue Shale very hard, 50-85" Sand good water show, 85-133" water sand. Brown Shale at 138" and hard shell at 113 to 115".

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.

N/A

MONTANA-DAKOTA UTILITIES CO.  
 Signature of Owner Wm. Fredrickson  
 Ass't. Vice-President  
 Date March 30, 1962

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

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

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



279031

STATE OF MONTANA  
County of Dawson

Filed for record this 16<sup>th</sup> day of  
April A. D. 1962, at  
9:00 o'clock A.M.

Lawson W. Russell  
County Clerk and Recorder.

By Alice Austly Deputy.

Fee pd. \$ 2.00

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File No.

T. 16N R. 55E

DUPLICATE

County DAWSON

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

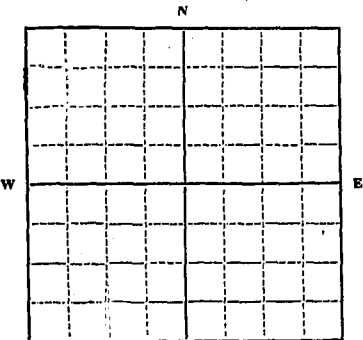
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Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Montana-Dakota Utilities Co. of Glendive  
(Name of Appropriator) (Address) (Town)  
County of Dawson State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Let 18 Block 4 of the Original  
Township of Glendive, Montana

1/4 Sec. T. R.

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

2. The beneficial use on which the claim is based. Bearing cooling  
water for Glendive Electric Plant

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been. 1939 - continuous to present

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute). 50 gals/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  
N/A

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

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater. 1939

8. The depth of water table. 37 feet - Approximately

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. unknown

10. The estimated amount of groundwater withdrawn each year. 2,000,000 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. N/A

MONTANA-DAKOTA UTILITIES CO.

Signature of Owner. By Carl W. Smith  
President

Date. March 21, 1962

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

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.

278833

Montana - *State Utilities Co.*

*The Public*

*Water Rights*

STATE OF MONTANA  
County of Dawson

Filed for record this 27<sup>th</sup> day of  
March, A. D. 1962, at

*Bozeman, Mont.*

*Richard W. Russell*  
County Clerk and Recorder.

By *Alice Austby* Deputy.

*Fee pd. \$2.00*

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JAN 17 1974

Roberts

T. 16N R. 55E

County DAWSON

MONT. DEPT. of NATURAL RESOURCES & CONSERVATION

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE STATE WATER CONSERVATION BOARD

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

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

Owner ORVILLE F. ROBERTS Address Box 1153

Driller C H Starr Address Box 1183

Date of Notice of appropriation of groundwater \_\_\_\_\_

Date well started June 8-72 Date completed June 20-72

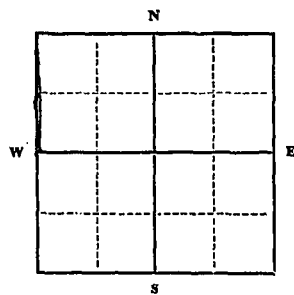
Type of well drilled Equipment used Cable Tool (Dug, driven, bored or drilled) (Churn drill, rotary or other)

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

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

- Top of Ground (Elev. above sea level \_\_\_\_\_)
20 Clay
28 gravel
21 soft sand stone
28 rock
30 soft sand stone
35 sandy grey shale
53 grey sand little water
56 green shale
75 dark shale
95 grey shale
106 water sand
114 grey shale
118

Table with columns: Size of Drilled Hole, Size and Weight of Casing, From (Feet), To (Feet), PERFORATIONS (Kind Size, From (Feet), To (Feet)).



Static Water Level for non-flowing well 57 feet.

Shut-in Pressure for Flowing Well \_\_\_\_\_

Pumping Water Level 86 feet at 8 gal. per minute.

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

How Tested Bailing

Length of Test 1 hr

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

from bottom 118' up to 102'

1/4 Sec. 14 T. 16N R. 55E 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).

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

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

168 Driller's License Number C H Starr Driller's Signature.