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JAN 28 1973

T. 15 R. 51

County DAWSON

LOCATE

LOG

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
STATE WATER CONSERVATION BOARD

Top of Ground

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

Notice of Completion of Groundwater  
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

0-55-yellow clay

55-58-yellow SAND

58-66 Blue clay

66-71 Blue SAND

71-78 Blue clay

Owner 52 RANCH INC Address LINDSAY

Driller DAN Haggerty Address LINDSAY

Date of Notice of appropriation of groundwater 6-7-72

Date well started 6-5-72 Date completed 6-6-72

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)
6"	4" PLASTIC	0	78'	SAWED SLOTS	58	78

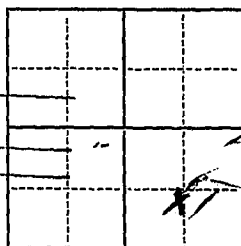
Doc. No. 318358

Filed for record

this 26th day of Jan W

A. D. 1973, at 11:32

o'clock P.M.



SE 1/4, Sec. 32 T. 15 R. 51

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

Static Water Level for non-flowing well 75 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 75 feet

at 4 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested bailed

Length of Test 2 hrs

Remarks: (Gravel packing, cementing, pack-

ers, type of shutoff) outside

GRAVEL packed

(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).

78'  
Show exact depth of bottom.

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

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

Driller's License Number

DANIEL S. HAGGERTY

Driller's Signature.

52,307

RECEIVED  
COUNTY CLERK  
DAWSON COUNTY  
MONTANA  
JAN 26 1923  
FILED

RECEIVED  
COUNTY CLERK  
DAWSON COUNTY  
MONTANA  
JAN 26 1923  
FILED

318358

STATE OF MONTANA  
County of Dawson  
Filed for record this 26<sup>th</sup> day of  
January A. D. 19 23 at  
11:37 o'clock A.M.  
Richard H. Russell  
County Clerk & Recorder  
By Madeline Russell Deputy  
Sw # 2 cc Pd.

21-38 BPC C/A

PP-31 BPC 2409

28-PP BPC C/A

9-2-23

9-2-23

9-2-23

9-2-23

One of copies of this document is being  
sent to the County Clerk of Dawson County  
for filing in the public records of that county.

File No. ....

T. 15 R. 51

DUPLICATE

County. Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

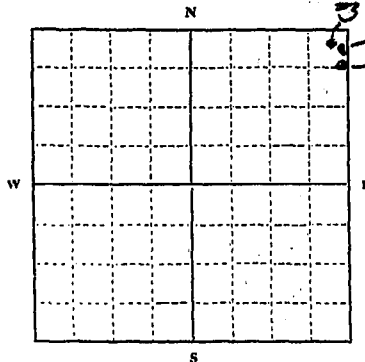
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

JAN 14 1964

STATE ENGINEER

1. Conrad H. Hegg, of 302 E. Mann St., Glendiva  
(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. (1) stock water;  
(2) stock water; (3) stock water and household

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. (1) 1932, constant; (2) 1939,  
constant; (3) 1951, constant.

4. The amount of groundwater claimed (in miner's inches or gallons per minute). (1) 3 gallons; (2) 4 gallons;  
(3) 5 gallons.

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. (1) windmill or  
motor; (2) pump and motor; (3) electric pump.

NE 1/4 Sec. 34 T. 15 R. 51

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. (1) 1932; (2) 1939; (3) 1951

8. The depth of water table. (1) 20 ft. (2) 20 ft. (3) 30 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. (1) hand dug, 2 ft. diameter, 32 ft.;  
(2) hand dug, 2 ft. diameter, 28 ft. depth; (3) drilled, 4 inch casing, 72 ft. depth.

10. The estimated amount of groundwater withdrawn each year. (1) 200,000 gal. (2) 180,000 gal.  
(3) 200,000 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. No other information available.

Signature of Owner Conrad H. Hegg

Date. December 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.

31806

(2) 300' 000 LIT.  
(1) 300' 000 LIT. (2) 300' 000 LIT.

(2) 300' 000 LIT. (1) 300' 000 LIT. (2) 300' 000 LIT.  
(1) 300' 000 LIT. (2) 300' 000 LIT. (1) 300' 000 LIT.

(1) 300' 000 LIT. (2) 300' 000 LIT. (3) 20' 000 LIT.

(1) 300' 000 LIT. (2) 300' 000 LIT. (3) 20' 000 LIT.

(2) 300' 000 LIT. (1) 300' 000 LIT. (2) 300' 000 LIT.  
(1) 300' 000 LIT. (2) 300' 000 LIT. (1) 300' 000 LIT.

286689

STATE OF MONTANA  
County of Dawson

Filed for record this 30<sup>th</sup> day of  
December A. D. 1963, at  
3:00 o'clock P.M.

Arden W. Russell  
County Clerk and Recorder.

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

Free Pd. #2 re

## GROUNDWATER INDEX

Page 1 of 1County Dawson Twp. 15N Rge. 52E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
2	Mallett, Donald W.	Hw4	286593	
3	Seaver, H. H.	Hw12	30440-	
4	Hess, Joseph + Conrad H.	Hw4	286691	
6	Konig, Ludwig	57 Well Log		
6	McMakin, Robert	Hw2	286111	
7	McMakin, Robert	Hw2	285225	
9	Hess, Beathes	57 Well Log		
9	Hess, Beathes	57 Well Log		
9	Hess, Beathes Joseph + Conrad	Hw4	286692	
10	Seaver, Mrs. Louise	Hw2	306864	
13	Sotka, A. R.	Hw13	287037	
14	Chenelissen, Edwin	Hw13	286934	
15	Seaver, Hugh	57 Well Log		
15	Seaver, Hugh	57 Well Log		
16	Montana, State of	Hw14	286907	
18	52 Ranch, Inc.	Hw4	286131	
20	McMakin, Robert	Hw2	310460	
21	Mallett, Donald W.	Hw3	286592	
24	Sotka, A. R.	Hw3	287037	See Sec. 13 Above
24	Sotka, A. R.	Hw4	287036	
24	Sotka, Tony	57 Well Log		
31	Hess, Albert + Emma	Hw4	286562	CH-R-CEE
32	Konig, Ludwig	57 Well Log		
34	Fornall, Karl	Hw2	296220	
34	Fornall, Karl	Hw4	284855	
35	Lye, Robert	Hw2	306617	
35	Lye, Robert	Hw2	286335	
35	Lye, Robert	Hw2	286334	
34	Fornall, Karl	Hw3	286590	See Sec. 3 Sup 14W Rge. 52E
16	Hess, Joseph T. + Conrad H.	GW3	286691	

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

T. 15 R. 52

DUPLICATE

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

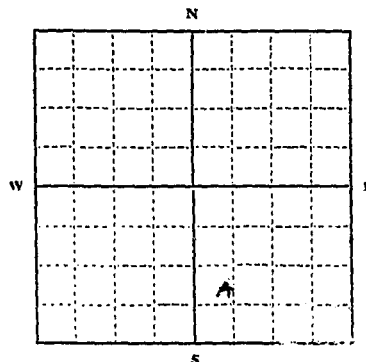
RECEIVED  
JAN 14 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Donald W. Moffett, of Box 227 Fallon  
(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. 2 T. 15 R. 52

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 Water  
is used for Live Stock.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. About 1930 and continuously  
ever since.
4. The amount of groundwater claimed (in miner's inches or gallons per minute). Five 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 Pump Jack  
and Wind Mill on Sucker type Pump.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. About 1930 - exact Date Not known
8. The depth of water table. 130 Feet to water
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. The well is a drilled well  
210 Feet deep with a 6-inch steel casing.
10. The estimated amount of groundwater withdrawn each year. 40,000 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. None

Signature of Owner

Date 12-27-63

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.

31731

286593

STATE OF MONTANA  
County of Dawson

Filed for record this 27th day of

December A. D. 1963, at

4:00 o'clock P. M.

Gordon W. Russell

County Clerk and Recorder.

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

File No. ....

DUPLICATE

MONTANA WATER RESOURCES BOARD  
**RECEIVED**  
 NOV 13 1968

T 15 R 52

County Blaine

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**

(Under Chapter 237, Montana Session Laws, 1961)

Owner H. B. Searer Address Glendive MontanaDriller Harold Garvin Address Lindsay Montana

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

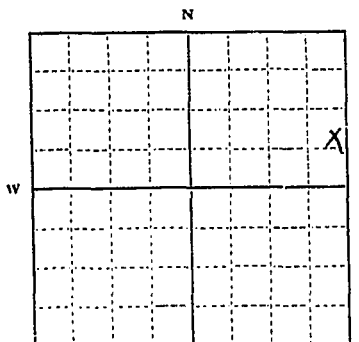
Date well started Oct 21-1968 Date Completed Oct 21-1968

Type of well drilled Equipment Used churn  
 (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)
5"	4" I.D. 11 lbs. per ft.	0	20	3/4 x 4" slot cut incasing	14	20



N 1/4 E Sec. 3 T. 15 R. 52  
 Indicate location of well and place of use, if possible. Each small square represents 10 acres.

20 ft Show exact depth of bottom.

Static Water Level for non-flowing Well..... 11 feet.

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

Pumping Water Level..... 11 feet at..... 6 gal. per minute.

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

How Tested slush bucket Length of Test one hour

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

85  
 Driller's License Number

Harold Garvin  
 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.

44751



1. The first part of the document is a letter from the President of the United States to the President of the Senate, dated January 1, 1877. The letter is signed by Rutherford B. Hayes and is addressed to Charles Schreyer. The letter is a copy of a letter that was sent to the President of the Senate by the President of the United States. The letter is a copy of a letter that was sent to the President of the Senate by the President of the United States.

[illegible]

*[Faint, illegible text from bleed-through]*

the 1990s, the number of people in the world who are illiterate has increased from 1.2 billion to 1.5 billion. The number of illiterate people in the world is projected to reach 1.7 billion by the year 2015. The number of illiterate people in the world is projected to reach 1.7 billion by the year 2015.

304440

STATE OF MONTANA

County of Dawson te  
Filed for record this 12 day of  
Nov A. D. 19 68 at

10:25 o'clock 4 M.  
Gordon W. Russell  
County Clerk & Recorder  
By Patricia Peters Deputy

Form No. 18  
8-60

T. 15 R. 52

County Dawson

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
JAN 4 1962

DEC 29 1961  
10:50 a.m.

WATER WELL LOG

STATE ENGINEER


Owner Ludwig Konig Address Glendive Montana

Driller Harold Gavin Address Lindsay Montana

Date Started Nov. 5 1961 Date Completed Nov. 8 1961

Location: Sec. 6 T. 15 R. 52  $\frac{1}{4}$  sec. S.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: 0 ft. to 35 ft. Type steel Size 6 inch

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

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

Perforated or Screened: Ft. 26 to ft. 35. Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations slots cut in casing

Static Water level, for non-flowing well: 20 feet.

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

Pumping water level 15 feet at 6 gal. per min.

How tested: slush bucket

Length of test one hour

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

(over)

## Log of Well

[illegible]

GW2

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

DUPLICATE

T 15 R 52

County **Dawson**

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

DEC 9 1963

# Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner **Robert McMakin** Address **Fallon, Montana**Driller **Ira C. Bond** Address **Terry, Montana**

Date of Notice of Appropriation of Groundwater \_\_\_\_\_

Date well started **11/19/63** Date Completed **11/23/63**Type of well **Drilled** Equipment Used **Cable**  
(dug, driven, bored or (Churn, drill, rotary or  
drilled) other)Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐

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

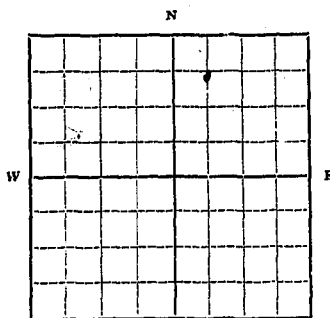
Top of Ground

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

36 yellow shale  
26 Grey shale  
3 coal  
7 brown shale  
4 grey shale  
12 soft shale, streak of sand, a little water  
14 grey shale  
6 brown shale  
6 grey shale  
18 water sand, streaks of grey shale  
2 blue shale

Total Depth 128

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 1/8	4" ID 10.89	surface	128'	5/16 Burned	108	126



NE 6 15 52

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

128

Show exact depth of bottom.

Static Water Level for non-flowing Well **40** feet.

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

Pumping Water Level **30** feet at **5** gal. per minute.

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

How Tested **Ballor** Length of Test **2 hours**

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) \_\_\_\_\_

Robert McMakin

37

Driller's License Number

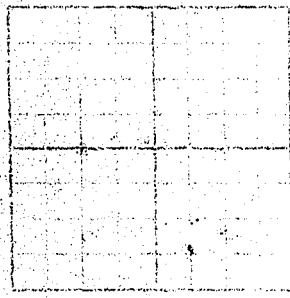
Driller's Signature

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

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

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

8102



NOTICE TO THE PUBLIC OF THE RECORDS OF THE  
COUNTY OF DAWSON, MONTANA  
The following is a list of the records of the  
County of Dawson, Montana, for the year 1963.  
The records are as follows:  
1. The records of the County of Dawson, Montana, for the year 1963.  
2. The records of the County of Dawson, Montana, for the year 1963.  
3. The records of the County of Dawson, Montana, for the year 1963.  
4. The records of the County of Dawson, Montana, for the year 1963.  
5. The records of the County of Dawson, Montana, for the year 1963.  
6. The records of the County of Dawson, Montana, for the year 1963.  
7. The records of the County of Dawson, Montana, for the year 1963.  
8. The records of the County of Dawson, Montana, for the year 1963.  
9. The records of the County of Dawson, Montana, for the year 1963.  
10. The records of the County of Dawson, Montana, for the year 1963.

286111

STATE OF MONTANA  
County of Dawson

Filed for record this 6th day of  
December A. D. 1963, at  
10:00 o'clock A. M.

Gordon H. Russell  
County Clerk and Recorder.

By Jaye Scheithin Deputy.

Fee pd. \$2

GW 2

File No. ....

T 15 R 52

DUPLICATE

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
OCT 8 1963  
STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

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

40 Yellow clay  
50 gumbo  
2 coal  
30 gumbo  
16 water sand  
4 gumbo

Owner Robert McMakin Address Fallon MontanaDriller Ira C Bond Address Terry Montana

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

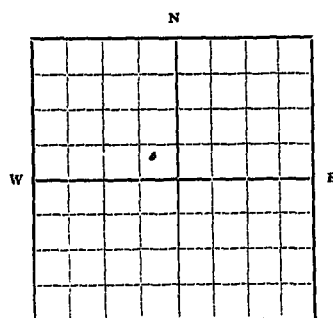
Date well started 6/26/63 Date Completed 6/29/63

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 5/8	4 in. 10.89 lb	0	142	holes 5/16	122	138



Section 1/4 NW 4 Sec. 7 T 15 R 55

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

Show exact depth of bottom.  
142 ft.

Static Water Level for non-flowing Well 100 feet.

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

Pumping Water Level 127 feet at 4 gal. per minute.

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

How Tested with bailer Length of Test 2 hours

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) .....

Robert McMakin

37

Driller's License Number

Ira C Bond  
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.

6249

Under Chapter 285, Montana Session Laws, 1961

Owner: [illegible]  
 Address: [illegible]  
 City: [illegible]  
 State: [illegible]

Plat: [illegible]  
 Date: [illegible]

Section: [illegible]  
 Township: [illegible]  
 Range: [illegible]

Other: [illegible]

Remarks: [illegible]

285275

STATE OF MONTANA  
 County of Dawson

Filed for record this 7<sup>th</sup> day of  
Oct. A. D. 1963, at  
9:00 o'clock A. M.

Gordon W. Russell  
 County Clerk and Recorder.

By Alvin Anstey Deputy  
Imp. 200

Form No. 18  
8-60

T. 15 R. 52

County DAWSON

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner Hess Brothers Address Glendive, Montana

Driller H. J. Gavin Address Lindsay, Montana

Date Started July 20, 1959 Date Completed July 28, 1959

Location: Sec. 9 T. 15 R. 52  $\frac{1}{4}$  sec. N. 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: 0 ft. to 160 ft. Type \_\_\_\_\_ Size \_\_\_\_\_

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

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

Perforated or Screened: Ft. 80 to ft. 160. Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations slots cut in casing

Static Water level, for non-flowing well: 70 feet.

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

Pumping water level 130 feet at 4 gal. per min.

How tested: slush bucket

Length of test one hour

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

(over)



## Log of Well.

[illegible]

T. 15 R. 52  
County Dawson

9

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
JUL 17 1961

WATER WELL LOG


Owner Hess Brothers Address Glendive Montana  
Driller J. J. Garvin Address Glendive Montana  
Date Started July 30-1959 Date Completed July 28-1959  
Location: Sec. 90 T. 15 R. 52 1/4 sec. N.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: 0 ft. to 160 ft. Type heavy steel Size 4"

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

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

Perforated or Screened: Ft. 80 to ft. 160 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations slots cut in casing

Static Water level, for non-flowing well: \_\_\_\_\_ 70 feet.

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

Pumping water level 130 feet at 4 gal. per min.

How tested: slush bucket

Length of test one hour

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

(over)

[illegible][illegible]

File No. ....

T. 15 R. 52

DUPLICATE

County. Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 14 1964

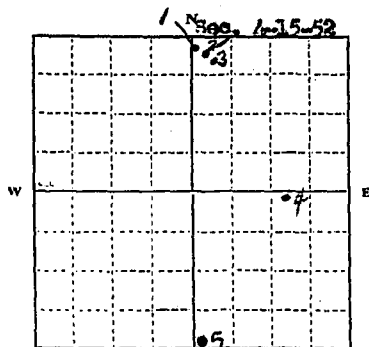
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, Joseph J. Hess and Conrad H. Hess, of 300 E. Mann St., Gladwin  
(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:



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 1, 2, 3, 4, 5 - stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. (1) 1940, not used at present; (2) 1954, not used at present; (3) 1939, not used at present; (4) 1958, constant; (5) 1954, not used at present.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) (1) 5 gal. (2) 5 gal. (3) 5 gal. (4) 7 gal. (5) 4 gal.

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 (1) windmill (2 & 3) hand pump, (4) windmill (5) motor

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. (1) 1940, (2) 1954 (3) 1939, (4) 1958, (5) 1954

8. The depth of water table (1, 2, 3) 30 ft., (4) 40 ft. (5) 50 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. (1) drilled, 4 in. casing, 90 ft. deep; (2) drilled, 4 in. casing, 50 ft. deep; (3) drilled, 6 in. casing, 60 ft. deep; (4) drilled, 4 in. casing, 110 ft. deep; (5) drilled, 4 in. casing, 130 ft. deep.

10. The estimated amount of groundwater withdrawn each year. (1, 2, 3, 5) none at present; (4) 400,000 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. No other information available.

Joseph J. Hess  
Signature of Owner Conrad H. Hess

Date. December 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.

31807

(U) (S) (C) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)

[illegible]

2-15-45 10-11-45 12-11-45 1-11-46 2-11-46 3-11-46 4-11-46 5-11-46 6-11-46 7-11-46 8-11-46 9-11-46 10-11-46 11-11-46 12-11-46 1-11-47 2-11-47 3-11-47 4-11-47 5-11-47 6-11-47 7-11-47 8-11-47 9-11-47 10-11-47 11-11-47 12-11-47 1-11-48 2-11-48 3-11-48 4-11-48 5-11-48 6-11-48 7-11-48 8-11-48 9-11-48 10-11-48 11-11-48 12-11-48 1-11-49 2-11-49 3-11-49 4-11-49 5-11-49 6-11-49 7-11-49 8-11-49 9-11-49 10-11-49 11-11-49 12-11-49 1-11-50 2-11-50 3-11-50 4-11-50 5-11-50 6-11-50 7-11-50 8-11-50 9-11-50 10-11-50 11-11-50 12-11-50 1-11-51 2-11-51 3-11-51 4-11-51 5-11-51 6-11-51 7-11-51 8-11-51 9-11-51 10-11-51 11-11-51 12-11-51 1-11-52 2-11-52 3-11-52 4-11-52 5-11-52 6-11-52 7-11-52 8-11-52 9-11-52 10-11-52 11-11-52 12-11-52 1-11-53 2-11-53 3-11-53 4-11-53 5-11-53 6-11-53 7-11-53 8-11-53 9-11-53 10-11-53 11-11-53 12-11-53 1-11-54 2-11-54 3-11-54 4-11-54 5-11-54 6-11-54 7-11-54 8-11-54 9-11-54 10-11-54 11-11-54 12-11-54 1-11-55 2-11-55 3-11-55 4-11-55 5-11-55 6-11-55 7-11-55 8-11-55 9-11-55 10-11-55 11-11-55 12-11-55 1-11-56 2-11-56 3-11-56 4-11-56 5-11-56 6-11-56 7-11-56 8-11-56 9-11-56 10-11-56 11-11-56 12-11-56 1-11-57 2-11-57 3-11-57 4-11-57 5-11-57 6-11-57 7-11-57 8-11-57 9-11-57 10-11-57 11-11-57 12-11-57 1-11-58 2-11-58 3-11-58 4-11-58 5-11-58 6-11-58 7-11-58 8-11-58 9-11-58 10-11-58 11-11-58 12-11-58 1-11-59 2-11-59 3-11-59 4-11-59 5-11-59 6-11-59 7-11-59 8-11-59 9-11-59 10-11-59 11-11-59 12-11-59 1-11-60 2-11-60 3-11-60 4-11-60 5-11-60 6-11-60 7-11-60 8-11-60 9-11-60 10-11-60 11-11-60 12-11-60 1-11-61 2-11-61 3-11-61 4-11-61 5-11-61 6-11-61 7-11-61 8-11-61 9-11-61 10-11-61 11-11-61 12-11-61 1-11-62 2-11-62 3-11-62 4-11-62 5-11-62 6-11-62 7-11-62 8-11-62 9-11-62 10-11-62 11-11-62 12-11-62 1-11-63 2-11-63 3-11-63 4-11-63 5-11-63 6-11-63 7-11-63 8-11-63 9-11-63 10-11-63 11-11-63 12-11-63 1-11-64 2-11-64 3-11-64 4-11-64 5-11-64 6-11-64 7-11-64 8-11-64 9-11-64 10-11-64 11-11-64 12-11-64 1-11-65 2-11-65 3-11-65 4-11-65 5-11-65 6-11-65 7-11-65 8-11-65 9-11-65 10-11-65 11-11-65 12-11-65 1-11-66 2-11-66 3-11-66 4-11-66 5-11-66 6-11-66 7-11-66 8-11-66 9-11-66 10-11-66 11-11-66 12-11-66 1-11-67 2-11-67 3-11-67 4-11-67 5-11-67 6-11-67 7-11-67 8-11-67 9-11-67 10-11-67 11-11-67 12-11-67 1-11-68 2-11-68 3-11-68 4-11-68 5-11-68 6-11-68 7-11-68 8-11-68 9-11-68 10-11-68 11-11-68 12-11-68 1-11-69 2-11-69 3-11-69 4-11-69 5-11-69 6-11-69 7-11-69 8-11-69 9-11-69 10-11-69 11-11-69 12-11-69 1-11-70 2-11-70 3-11-70 4-11-70 5-11-70 6-11-70 7-11-70 8-11-70 9-11-70 10-11-70 11-11-70 12-11-70 1-11-71 2-11-71 3-11-71 4-11-71 5-11-71 6-11-71 7-11-71 8-11-71 9-11-71 10-11-71 11-11-71 12-11-71 1-11-72 2-11-72 3-11-72 4-11-72 5-11-72 6-11-72 7-11-72 8-11-72 9-11-72 10-11-72 11-11-72 12-11-72 1-11-73 2-11-73 3-11-73 4-11-73 5-11-73 6-11-73 7-11-73 8-11-73 9-11-73 10-11-73 11-11-73 12-11-73 1-11-74 2-11-74 3-11-74 4-11-74 5-11-74 6-11-74 7-11-74 8-11-74 9-11-74 10-11-74 11-11-74 12-11-74 1-11-75 2-11-75 3-11-75 4-11-75 5-11-75 6-11-75 7-11-75 8-11-75 9-11-75 10-11-75 11-11-75 12-11-75 1-11-76 2-11-76 3-11-76 4-11-76 5-11-76 6-11-76 7-11-76 8-11-76 9-11-76 10-11-76 11-11-76 12-11-76 1-11-77 2-11-77 3-11-77 4-11-77 5-11-77 6-11-77 7-11-77 8-11-77 9-11-77 10-11-77 11-11-77 12-11-77 1-11-78 2-11-78 3-11-78 4-11-78 5-11-78 6-11-78 7-11-78 8-11-78 9-11-78 10-11-78 11-11-78 12-11-78 1-11-79 2-11-79 3-11-79 4-11-79 5-11-79 6-11-79 7-11-79 8-11-79 9-11-79 10-11-79 11-11-79 12-11-79 1-11-80 2-11-80 3-11-80 4-11-80 5-11-80 6-11-80 7-11-80 8-11-80 9-11-80 10-11-80 11-11-80 12-11-80 1-11-81 2-11-81 3-11-81 4-11-81 5-11-81 6-11-81 7-11-81 8-11-81 9-11-81 10-11-81 11-11-81 12-11-81 1-11-82 2-11-82 3-11-82 4-11-82 5-11-82 6-11-82 7-11-82 8-11-82 9-11-82 10-11-82 11-11-82 12-11-82 1-11-83 2-11-83 3-11-83 4-11-83 5-11-83 6-11-83 7-11-83 8-11-83 9-11-83 10-11-83 11-11-83 12-11-83 1-11-84 2-11-84 3-11-84 4-11-84 5-11-84 6-11-84 7-11-84 8-11-84 9-11-84 10-11-84 11-11-84 12-11-84 1-11-85 2-11-85 3-11-85 4-11-85 5-11-85 6-11-85 7-11-85 8-11-85 9-11-85 10-11-85 11-11-85 12-11-85 1-11-86 2-11-86 3-11-86 4-11-86 5-11-86 6-11-86 7-11-86 8-11-86 9-11-86 10-11-86 11-11-86 12-11-86 1-11-87 2

QUESTIONS: (1) 1947 (2) 1948 (3) 1949 (4) 1950 (5) 1951

15-00000 100-00000 100-00000 100-00000

1. (a)  $\frac{1}{2} \pi$  (b)  $\frac{1}{2} \pi$  (c)  $\frac{1}{2} \pi$  (d)  $\frac{1}{2} \pi$  (e)  $\frac{1}{2} \pi$  (f)  $\frac{1}{2} \pi$  (g)  $\frac{1}{2} \pi$  (h)  $\frac{1}{2} \pi$  (i)  $\frac{1}{2} \pi$  (j)  $\frac{1}{2} \pi$  (k)  $\frac{1}{2} \pi$  (l)  $\frac{1}{2} \pi$  (m)  $\frac{1}{2} \pi$  (n)  $\frac{1}{2} \pi$  (o)  $\frac{1}{2} \pi$  (p)  $\frac{1}{2} \pi$  (q)  $\frac{1}{2} \pi$  (r)  $\frac{1}{2} \pi$  (s)  $\frac{1}{2} \pi$  (t)  $\frac{1}{2} \pi$  (u)  $\frac{1}{2} \pi$  (v)  $\frac{1}{2} \pi$  (w)  $\frac{1}{2} \pi$  (x)  $\frac{1}{2} \pi$  (y)  $\frac{1}{2} \pi$  (z)  $\frac{1}{2} \pi$

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286692

STATE OF MONTANA  
County of Dawson

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

Gordon W. Russell  
County Clerk and Recorder.

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

Free P.d. \$2<sup>00</sup>

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—41933

File No. ....

T. 15 N. R. 52 E.

DUPLICATE

MONTANA WATER RESOURCES BOARD

County Dawson

RECEIVED

JUL 25 1969

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**

(Under Chapter 237, Montana Session Laws, 1961)

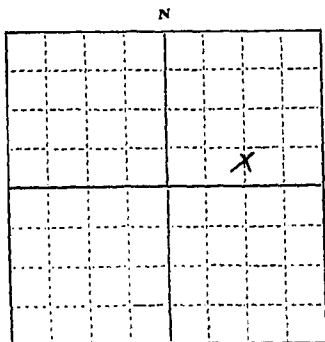
Owner Mrs. Louise Searer Address Blondine MontanaDriller Harold Gasin Address Lindsay Montana

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

Date well started May 29-1969 Date Completed June 2-1969Type of well drilled Equipment Used churn  
(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)
5"	4" I.D. 10.84 lbs per ft.	0	88	3" x 4" slots cut in casing	56'	88'



N  
S  
E  
W  
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 45 feet.

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

Pumping Water Level 73 feet at 4 gal. per minute.

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

How Tested slush bucket Length of Test one hour

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

acres irrigated, if used for irrigation) .....

Louise SearerDriller's License Number 85Driller's Signature Harold Gasin

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.

45479

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306864  
306864

STATE OF MONTANA  
County of Dawson  
Filed for record this 24 day of  
July A. D. 19 69 at  
8:40 o'clock a. M.  
Gordon W. Russell  
County Clerk & Recorder  
By \_\_\_\_\_ Deputy  
*Rec'd 2<sup>nd</sup>*

File No. ....

DUPLICATE

T. 15 R. 52 E. S. 24

County Blaine

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 1940Owner A. R. Lathen Address B-176 ElwoodContractor (if any) None

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.

Natural Springs

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.....

⊗ pipe to tank for stock water  
X springs for stock water holes

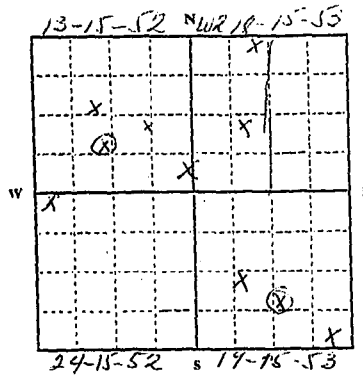
Signature of Owner A. R. LathenDate Dec 31, 1963

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.



1/4 Sec. T. 15 R. 52

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

15-53



287037

STATE OF MONTANA  
County of Dawson

Filed for record this 31st day of  
December A. D. 1963, at  
4:30 o'clock P. M.

Gordon W. Russell  
County Clerk and Recorder.

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

File No. ....

T. 15 R. 52

DUPLICATE

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 14 1964

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1947Owner Edwin Cornalissen Address HelenaContractor (if any) no

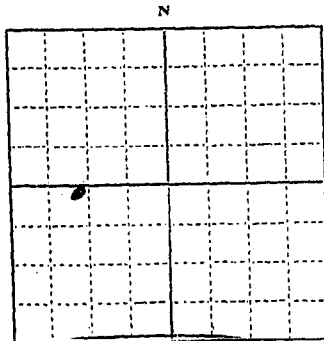
Address of Contractor .....

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. Spring for stock

comes out of Creek bottom  
and side of bank runs  
about 6 gals Per min

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 6 months..... 1/4 Sec. 51 T. 15 R. 52

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

Signature of owner Edwin CornalissenDate Dec 31 - 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.

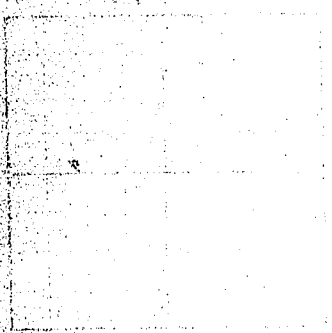
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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.

STATE OF MONTANA  
COUNTY OF DAWSON  
DISTRICT COURT  
IN RE: [illegible]  
[illegible]  
[illegible]

286934-1415  
[illegible]

286934-1415  
[illegible]



[illegible text]

286934

STATE OF MONTANA  
County of Dawson

Filed for record this 31st day of  
December A. D. 1963, at  
4:30 o'clock P.M.  
Gordon W. Russell  
County Clerk and Recorder,

By \_\_\_\_\_

Form No. 18  
8-60

15  
T. 15 R. 52  
County DAWSON

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner Hugh Searer Address Glendive, Montana  
Driller H. J. Gavin Address Lindsay, Montana  
Date Started July 15, 1960 Date Completed July 23, 1960  
Location: Sec. 15 T. 15 R. 52  $\frac{1}{4}$  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: 0 ft. to 174 ft. Type heavy steel Size 4" I.D.

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

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

Perforated or Screened: Ft. 30 to ft. 174. Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations slots cut in casing

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

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

Pumping water level 160 feet at 3 gal. per min.

How tested: slush bucket

Length of test 3 hours

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

(over)

## Log of Well

[illegible]

T. 15 R. 52 15  
County Dawson

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
FEB 17 1961

WATER WELL LOG

STATE ENGINEER


Owner Hugh Searer Address Glendive Mont.  
Driller R. J. Garin Address Lindsay Mont.  
Date Started July 15-1960 Date Completed July 23-1960  
Location: Sec. 15 T. 15 R. 52  $\frac{1}{4}$  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: 0 ft. to 174 ft. Type heavy steel Size 4" I.D.  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 30 to ft. 174 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations slots cut in casing

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

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

Pumping water level 160 feet at 3 gal. per min.

How tested: slush bucket

Length of test 3 hours

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

(over)

### Log of Well

[illegible]

GV

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

File No. *E*T. *15 R. 53*

DUPLICATE

County *Dawson*

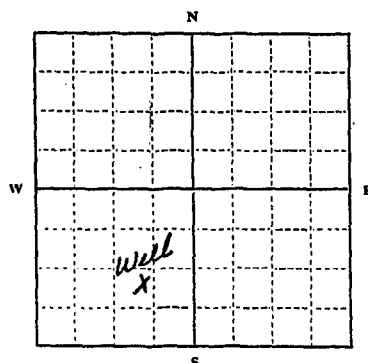
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 14 1964  
STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. *State of Montana*, of \_\_\_\_\_, (Address) \_\_\_\_\_ (Town) \_\_\_\_\_  
(Name of Appropriator)  
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 Sec. 16 T. 15 R. 53*

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*
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. *1953*
4. The amount of groundwater claimed (in miner's inches or gallons per minute). *10 per minute used 8 months a year*
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 & 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. *no idea*
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 well is 185' deep with 4" casing*
10. The estimated amount of groundwater withdrawn each year. *no idea*
11. The log of formations encountered in the drilling of each well if available. *no*
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. *no*

Signature of Owner

Date

*State of Montana*  
*By: Leann E. Edwards*  
*12/30/63*

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

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

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

32013



11. The purpose of this document is to provide a record of the proceedings of the Board of Directors of the [illegible] for the year ending [illegible].

12. The Board of Directors of the [illegible] has met and discussed the [illegible] and has decided upon the following [illegible].

13. The Board of Directors of the [illegible] has decided upon the following [illegible].

14. The Board of Directors of the [illegible] has decided upon the following [illegible].

15. The Board of Directors of the [illegible] has decided upon the following [illegible].

16. The Board of Directors of the [illegible] has decided upon the following [illegible].

17. The Board of Directors of the [illegible] has decided upon the following [illegible].

18. The Board of Directors of the [illegible] has decided upon the following [illegible].

19. The Board of Directors of the [illegible] has decided upon the following [illegible].

20. The Board of Directors of the [illegible] has decided upon the following [illegible].



286907

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. \_\_\_\_\_

DUPLICATE

T 13 R 3

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 14 1964

STATE ENGINEER

# Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater (1) 1940 (2) 1938

Owner Joseph J. Hess Address 300 E. Main St.  
Conrad H. Hess Glendive, Montana

Contractor (if any) None

Address of Contractor None

Date Started (1) 1940 (2) 1938  
(2) 1938 Date Completed (1) 1940 (2) 1938

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. (1 & 2) Excavated 2 ft. deep for spring water.

Sec. 9-14-51 N Sec. 16-15-52


NE 1/4 Sec. 16 T. 15 R. 52

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. (1) 2 gal. per minute developed; measured by piping to tank. 400,000 gal. used per year. (2) 1 gal. per minute developed; measured by piping to tank; Used 4 months per year.

Signature of Owner (1) Joseph J. Hess  
(2) Conrad H. Hess

Date December 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.

286691

STATE OF MONTANA  
County of Dawson

Filed for record this 30<sup>th</sup> day of  
December A. D. 1963, at  
3:00 o'clock P.M.

Gordon W. Russell

County Clerk and Recorder.

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

Five Rd. # 200

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

DUPLICATE

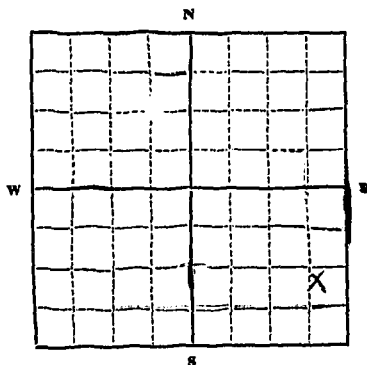
County Dawson

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 11 1963  
STATE ENGINEER

1. 52 Ranch, Inc., of Box 670 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:



S. E. 1/4 Sec. 18 T. 15 R. 52

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  
Continuous use.

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been. July 1, 1961  
July 1, 1958

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) Pumping water level 150 feet at  
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

6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal Pump run with an electric motor. and  
pump jack.

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater. Feb. 10, 1958 Feb. 15, 1958.

8. The depth of water table 75 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater. type Driven size 6 1/2 inch hole  
4 inch casing packed in pea size gravel  
Top water cemented off.

10. The estimated amount of groundwater withdrawn each year 150 feet at 5 gallon per min.

11. The log of formations encountered in the drilling of each well if available 0 to 25 ft yellow clay,  
25 to 50 ft. brown clay, 50 to 70 ft. gray clay, 70 to 75 ft. sand, 75 to 140  
ft. gray clay, 140 to 145 coal, 145 to 150 ft. gray clay, 150 to 153 ft.  
rock, 153 to 175 ft. gray clay.

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.

52 Ranch Inc.  
Signature of Owner By John Lewis  
Date December 6th 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.

8486

286131

STATE OF MONTANA  
County of Dawson

Filed for record this 6th day of  
December A. D. 1963, at  
4:00 o'clock P. M.

Gordon H. Russell  
County Clerk and Recorder.

By Layne Scheithin Deputy.

Fee pd \$2.00

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Robert McMaken

Address Fallon Montana

Date well started June 12-70

completed " 18-70

Type of well drilled

Equipment used churn

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

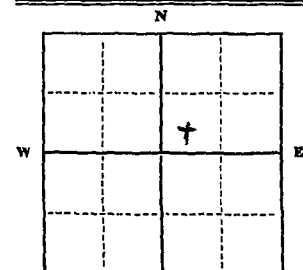
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

\*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 120,000 gal. (2)

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5"	4" I.D. 11 lbs. per ft.	0	138	3/4" x 4" slotted in casing	75	138



Static water level 72 ft.\*  
Pumping water level 1.3 ft.\*  
at 5 gallons per minute,  
measured 60 minutes after pumping  
began.

\*Measured from ground level.  
Well developed by slush bucket  
for one hours.

Power..... Pump..... HP

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

1/4 Sec. 20  
T. 15 N. R. 52 E.  
S. 20

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

Driller's Signature Harold Davin

Driller's Address Kindray Montana

LICENSE NO. 85

15N-52E  
County Davies 20

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

From (Feet)	To (Feet)	Character
0	30	clay sand mix
30	68	clay
68	76	sand
76	105	clay
105	112	clay
112	123	clay
123	138	sand

1.38 ft. Show exact depth of bottom

46709

10. ...  
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310460

STATE OF MONTANA  
County of Dawson  
Filed for record this 21<sup>st</sup> day of  
July A D 19 70 at  
10:00 o'clock a.M.  
Donald D. Russell  
County Clerk & Recorder  
By Lauren Pittman Deputy

County Lawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

## NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

**Developed after January 1, 1962**

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

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

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

Owner Robert M. Maken

Address Essex Montana

## For Administrator's Use

File 310460

July 21, 1970

100.00 A.M.

Date well started June 12-70

GW 1

completed 15-70

Type of well drilled

(Dug, driven, bored or drilled)

Equipment used Churn

.....  
(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

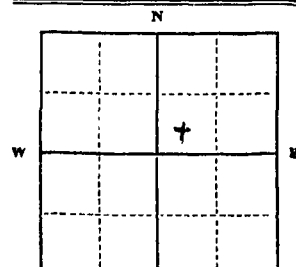
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

**\*Describe**

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

ESTIMATED ANNUAL WITHDRAWAL 110,000 gal

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	Frc (Fe	To (Feet)
5"	4 I.D. 11.2 lbs per ft.	0	138	1/2" x 4" white cut on bedding 7	75	138



Static water level ..... 72 ft.\*  
Pumping water level ..... 113 ft.\*  
at ..... 3 gallons per minute,  
measured ..... 60 minutes after pumping  
began.

\*Measured from ground level.

Well developed by 12/22/74  
for 0726 hours.

Power..... Pump..... HP

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

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

Driller's Signature Harold D. Brown

Driller's Address Widney Monahan

LICENSE NO. 83

**DRILLER'S LOG**

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

**Top of Ground**

(Elev. above sea level)

[illegible]

1.38 ft Show exact depth of bottom



File No. ....

T. 15 R. 52

DUPLICATE

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 14 1964

State Engineer

Notice of Completion of Groundwater Appropriation  
Without Well

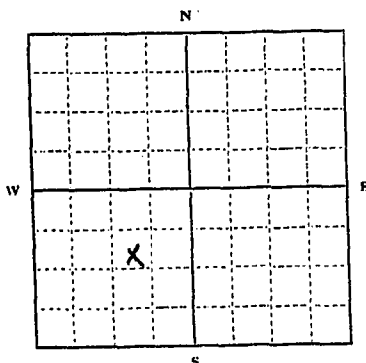
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 12-27-63Owner Donald W. Moffett Address Ellen, MontanaContractor (if any) None

Address of Contractor .....

Date Started 4-1-58 Date Completed 4-15-58

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. A natural Spring was piped to a 500 gallon tank for livestock water.



SW 1/4 Sec. 21 T. 15 R. 52  
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. Water flows to tank at the rate of 30 gallons per hour. This water is used for about eighty days each year for livestock water.

Signature of Owner Donald W. MoffettDate 12-27-63

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.

286592

STATE OF MONTANA  
County of Dawson

Filed for record this 27<sup>th</sup> day of

December, A. D. 1963, at  
4:00 o'clock P. M.

Gordon W. Russell  
County Clerk and Recorder.

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

File No. ....

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

T. 15 R. 52

County Dawson

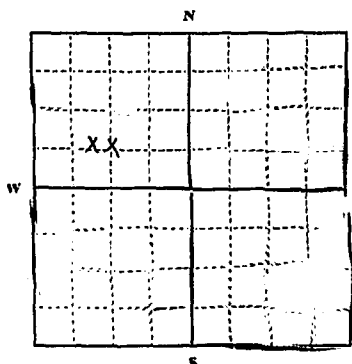
JAN 14 1963

## Declaration of Vested Groundwater Rights

STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. A. R. Latka, of Box 76, Glenbrook  
(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:



7/4/54 Sec. 24 T. 15 R. 52

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1955 daily  
1955 daily

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

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

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

7. The date of construction and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1953  
June 1955

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 withdrawal of groundwater drilled 4 in x 8.5 ft  
drilled 4 in x 11.4 ft

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 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 A. R. LatkaDate Dec 31, 1963

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

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

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

3214

287036

STATE OF MONTANA  
County of Dawson

Filed for record this 31st day of  
December A. D. 1963 at  
4:30 o'clock P.M.  
Gordon W. Russell  
County Clerk and Recorder.

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

RECEIVED  
MAY 15 1959  
STATE ENGINEER

T. ~~24~~ 15 R. 52  
County Dawson

24

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner Tony Latha Address Glendive Montana  
Driller J. D. Gavin Address Landray Montana  
Date Started June 4 Date Completed June 18, 1958  
Location: Sec. 24 T. 15 R. 52 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: 0 ft. to 115 ft. Type heavy steel Size 4"  
Casing: ft. to ft. Type Size  
Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 95 to ft. 115 Ft. to ft.

Type of screen or perforations slot cut in casing

Static Water level, for non-flowing well: 76 feet.

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

Pumping water level: 100 feet at 3 gal. per min.

How tested: plunger pump

Length of test: 24 hrs.

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

(over)

[illegible]

115

alternate layers of gravel, clay and sand

RECEIVED

MAY 15 1959

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

T. 15 R. 52 32  
County Dawson

WATER WELL LOG


Owner Ludwig Konig Address Glendive Mont  
Driller H. J. Glavin Address Lindsay Mont.  
Date Started Aug. 21-1958 Date Completed Aug 22-1958  
Location: Sec. 32 T. 15 R. 52 1/4 sec. SW

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 82 ft. Type heavy steel Size 4"

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

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

Perforated or Screened: Ft. 40 to ft. 82 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations slots cut in casing

Static Water level, for non-flowing well: 36 feet.

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

Pumping water level 70 feet at 5 gal. per min.

How tested: slush bucket

Length of test one hour

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

(over)

[illegible]

Depth, feet	
From	To

### Description of Material Drilled

0	35	clay
35	45	sand
45	7.5	clay
75	82	sand



File No. **STATE WATER CONSERVATION BOARD**T 15 R 52

DUPLICATE

JUN 20 1966

County Dawson

Ellis \_\_\_\_\_ McDermott \_\_\_\_\_

Butcherin \_\_\_\_\_ McNulty \_\_\_\_\_

Coyle \_\_\_\_\_ Norton \_\_\_\_\_

Top of Ground \_\_\_\_\_ Sullivan \_\_\_\_\_

Dickert \_\_\_\_\_

(Elev. above sea level \_\_\_\_\_)

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER**Notice of Completion of Groundwater  
Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

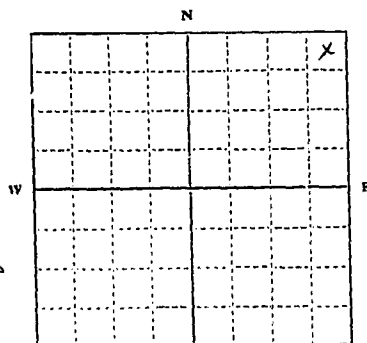
Owner Karl Fornell Address Glendive MontanaDriller Harold Gavin Address Lindsay Montana

Date of Notice of Appropriation of Groundwater \_\_\_\_\_

Date well started May 18-1966 Date Completed May 19-1966Type of well drilled Equipment Used Churn  
(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)
5"	4" I.D. 11 lbs per ft	0	48	3/4" x 3" slots cut in casing	38	48

N.E. Sec 34 T. 15 R. 52

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 15 feet.

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

Pumping Water Level 34 feet at 7 gal. per minute.

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

How Tested slush bucket Length of Test one hour

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

8.5  
Driller's License NumberHarold Gavin  
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.

41150

1. *Chlorophyll a* (Chl *a*)

[illegible]

1. The first step in the process of the investigation is the identification of the problem. This is done by the investigator who is responsible for the investigation. The investigator must identify the problem and the scope of the investigation. The investigator must also identify the objectives of the investigation and the methods to be used. The investigator must also identify the resources available for the investigation.

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

File No. ....

T. 15 R. 52

DUPLICATE

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

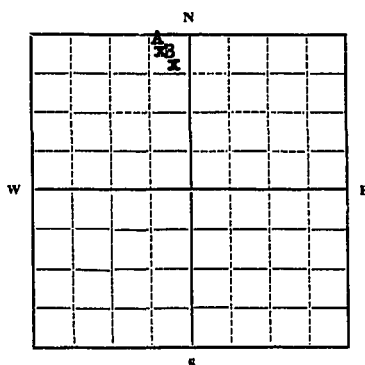
RECEIVED  
SEP 3 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Karl Fornall, of Glendive, Montana  
(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 NW Sec. 54 T. 15 R. 52

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 A - Household use. B - Stock and Garden use.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. A - About 1910 and used continuously since then. B - About 1945 and used continuously since then.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) A - 2 gallons and B - 4 gallons
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
Not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. A - Jet well with pump B - Windmill pump with part time electric motor.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. A - About 1910 B - About 1945
8. The depth of water table. A - 45 feet and B - 65 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. A - hand dug and cased with 6 inch casing. B - 4 inch casing.
10. The estimated amount of groundwater withdrawn each year. A - 200,000 B - 1,000,000
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

Signature of Owner Karl Fornall

Date Aug 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.

5633.

284855

STATE OF MONTANA

County of Dawson

Filed for record this 30<sup>th</sup> day of

Aug. A. D. 1963, at  
12:15 o'clock P. M.

Gordon W. Russell  
County Clerk and Recorder.

By Alice Anstey Deputy.

#  
Fee pd. 2.00

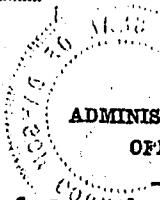
34

File No. ....

T. 14 R. 52

DUPLICATE

County Dawson



STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 14 1964

Notice of Completion of Groundwater Appropriation  
Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1930

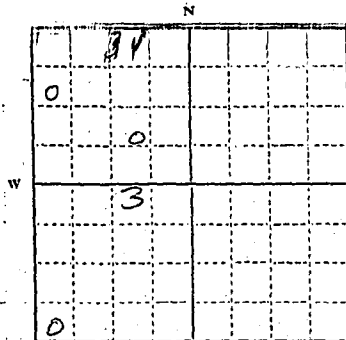
Owner Karl Formall Address Glenhurst

Contractor (if any) None

Address of Contractor

Date Started Date Completed

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



Indicate point of appropriation and place of use, if possible.  
34-15-52

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.

Spring on Sec 3 open all year & pipe to stock tank will flow 1" pipe  
Spring on Sec 34 light will freeze & dry up in summer

Signature of Owner Karl Formall

Date DEC 27 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.

31728

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256590  
286590

File No. ....

MONTANA WATER RESOURCES BOARD

T. 15 R. 52

DUPLICATE

RECEIVED

JUN 30 1969

County Dawson

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner Robert Lye Address Stollen MontanaDriller Harold Garvin Address Stollen Montana

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

Date well started Oct 23 - 1968 Date Completed Oct 24 - 1968Type 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)	Kind and Size of Casing	From (Feet)	To (Feet)
5"	4" I.D. 11 lb. per ft.	0	34	7/8" x 4" slotted in casing	22	34

Static Water Level for non-flowing Well 25 feet.

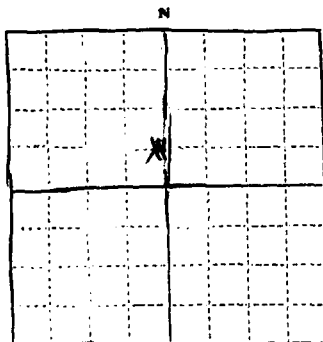
Shut-in Pressure for Flowing Well.....

Pumping Water Level 25 feet at 6 gal. per minute.

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

How Tested slush bucket Length of Test one hour

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



T. 15 R. 52 Sec. 35

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

Show exact depth of bottom.

Driller's License Number

Harold Garvin  
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.

45384

INCE 101 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100


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STATE OF MONTANA  
County of Dawson  
Filed for record this 27 day of  
June A. D. 19 69 at  
1:29 o'clock P. M.  
Dorothy M. Rineer  
County Clerk & Recorder  
By Patricia A. Rineer Deputy



GW 2

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

File No.

T. 15 R. 52

DUPLICATE

County

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

DEC 20 1963

Top of Ground  
estimated  
Elev. above sea level 2400

# Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Robert Lye Address Fallen MontanaDriller Harold Gavin Address Lindsay Montana

Date of Notice of Appropriation of Groundwater

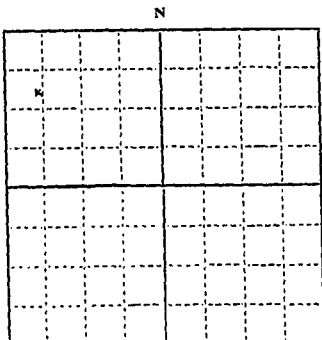
Date well started Nov. 18-1963 Date Completed Nov. 20-1963

Type 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)	PERFORMING		
				Kiln Size	From (Feet)	To (Feet)
5"	4" I.D. 11 lbs. per foot	0'	45'	slots cut in casing 3/8" x 3"	33'	45'



N.W. 1/4 Sec. 35 T. 15 R. 52  
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 25 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 33 feet at 6 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested slush bucket Length of Test one hour

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

Robert Lye  
\_\_\_\_\_  
Owner's Signature

85  
\_\_\_\_\_  
Driller's License Number  
Harold Gavin  
\_\_\_\_\_  
Driller's Signature

This form to be prepared by driller, and three copies to be filed by 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.

741

Figure 1. The effect of the concentration of the inhibitor on the rate of polymerization of  $\alpha$ -methylstyrene in the presence of  $\text{SnCl}_4$  at  $25^\circ\text{C}$ .

Fee Pl. \$2.00

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

DUPLICATE

Top of Ground  
estimated (Elev. above sea level 2400)

**Notice of Completion of Groundwater Appropriation by Means of Well**  
(Under Chapter 237, Montana Session Laws, 1961)

Owner Robert Lye Address Fallen Montana  
Driller Harold Gavin Address Linsey Montana

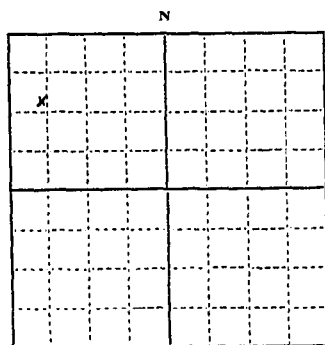
Date of ~~Notice~~ of Appropriation of Groundwater \_\_\_\_\_Date well started July 15-1962 Date Completed July 17-1962

Type 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)
5"	4" I.D. 11-Lbs. per foot	0'	45'	Slots cut in casing 3/16" x 3"	33'	45'



NW 1/4 Sec. 35 T. 15 R. 52  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Level for non-flowing Well 25 feet.

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

Pumping Water Level 28 feet at 6 gal. per minute.

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

How Tested slush bucket Length of Test one hour

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

Robert Lye

85  
Driller's License Number

Harold Gavin  
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.

10740

286334

STATE OF MONTANA  
County of Dawson

Filed for record this 10<sup>th</sup> day of  
December A. D. 1963, at  
12:45 o'clock P.M.

Dorcas H. Russell  
County Clerk and Recorder.

By Faye Scheitlin Deputy.  
Fee Pd. \$2.00