



T. 32N R. 19E  
County HILL

RECEIVED  
NOV 16 1959  
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner DICK STERRET Address HAYRE  
Driller A. E. TOWNSEND FOLEY Address HAYRE  
Date Started 11-1-59 Date Completed 11-7-59  
Location: Sec. 3 T. 32 R. 19 1/4 sec. NE 1/4

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

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

Casing: 0 ft. to 28 ft. Type SPANG Size 7"  
Casing: 28 ft. to 115 ft. Type SPANG Size C  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or-Screened: Ft. 28 to ft. 115 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations 1/2" x 2" YIELD 27

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

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

Pumping water level 110 feet at 13 gal. per min.

How BAKER

Length of test 2 1/2

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

2" PIPE DRIVEN TO 28 FT

*E. J. Lee*



GW-4  
FILE NO. \_\_\_\_\_

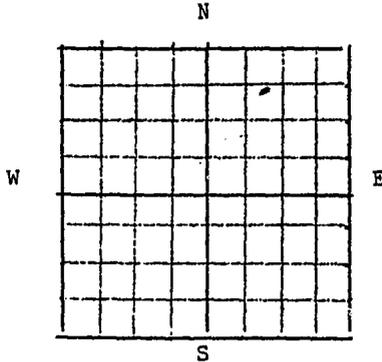
TWP 32N RGE 17E  
COUNTY HILL

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 1 1962

DECLARATION OF VESTED GROUNDWATER RIGHTS  
(Under Chapter 237, Montana Session Laws, 1961)

1. DICU STERRET of HAVRETTOWN ENGINEER  
(Name of Appropriator) (Address) (Town)  
County of HILL, State of MONTANA  
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



NE 1/4 Sec. 3 T. 32N R. 17E

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  
DEC 20 1962

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater DEC 20 1962 Dec 26 1962

8. The depth of water table 20

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  
7" ID 176'

10. The estimated amount of groundwater withdrawn each year 4,000,000

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

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

Signature of Owner [Signature]  
Date \_\_\_\_\_

Three copies to be filed by the owner with the County Clerk & 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 & Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

397096

DICK STEWART

TO

THE PUBLIC

DECLARATION OF VESTED  
CUMULATIVE RIGHTS

*Filed for Record*

*Nov. 31 - 1963*

*11:00 am*

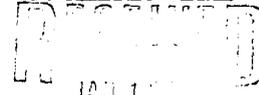
*T. E. Blom*

WE: \$2.00 pd.

GW-4  
FILE NO. \_\_\_\_\_

TWP 32N RGE 17E  
COUNTY Hill

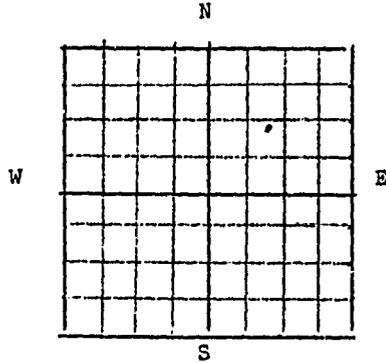
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER



DECLARATION OF VESTED GROUNDWATER RIGHTS  
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. DICK STURTEVANT, of HAILE  
(Name of Appropriator) (Address) (Town)  
County of HILL, State of MONTANA  
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
SEP 1 1959

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

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  
\_\_\_\_\_

BASE Sec. 3 T32N R17E

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
SEP 1 1959

8. The depth of water table 25

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" DIA 15'

10. The estimated amount of groundwater withdrawn each year 300000

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

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

Signature of Owner Dick Sturtevant

Date \_\_\_\_\_

Three copies to be filed by the owner with the County Clerk & 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 & Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

397094  
DICK STREET

TO

THE PUBLIC

DECLARATION OF VESTED  
GROUNDWATER RIGHTS

STATE OF MONTANA } ss.  
COUNTY OF HILL }  
Filed at 11 o'clock a.m.

ON DEC 31 1963

1 G. Flynn  
COUNTY CLERK

BY \_\_\_\_\_ DEPUTY

FEES: \$2.00 pd.

GW-4  
FILE NO. \_\_\_\_\_

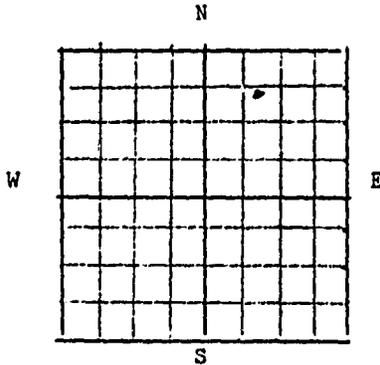
TWP 32N RGE 17E  
COUNTY Hill

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. Dick Sterrett, of Havre  
(Name of Appropriator) (Address) (Town)  
County of Hill, State of Montana  
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



SESW 1/4 Sec 3 T32NR17E

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

2. The beneficial use on which the claim is based HOUSE FEEDING
3. Date or approximate date of earliest beneficial use; and how continuous the use has been AUG 1957
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12
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 SUR PUMP
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater AUG 70 1957 AUG 28 1957
8. The depth of water table 90
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 2" CASING 220' DIA
10. The estimated amount of groundwater withdrawn each year 4 000 000
11. The log of formations encountered in the drilling of each well if available \_\_\_\_\_
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record \_\_\_\_\_

Signature of Owner Dick Sterrett  
Date \_\_\_\_\_

Three copies to be filed by the owner with the County Clerk & 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 & Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.



County HILL 4

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 WAGIL + VERA CROSS

Address STAR RT. 36

HAURE, MONTANA

Date well started 1/10/72

completed 2/11/72

Type of well DRILLED

Equipment used CABLE TOOL RIG

Water Use: Domestic  Municipal  Stock  Irrigation

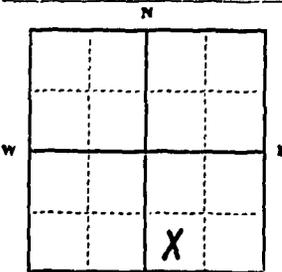
Industrial  Drainage  Other  Garden/Lawn

\*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 EXCEEDING 500,000 GALLONS

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS					
				Kind	From (Feet)	To (Feet)			
<u>9 1/2"</u>	<u>6" O.D. 11" PER FT. STEEL</u>	<u>15 FEET ABOVE GROUND LEVEL</u>	<u>9</u>	<u>3/16" DRILLED</u>	<u>7 1/2</u>	<u>200 1/2</u>			
							<u>5 1/2" O.D. 160# TEST P.C.</u>	<u>7</u>	<u>86</u>
							<u>5 1/2" O.D. 400# TEST P.C.</u>	<u>86</u>	<u>205 1/2</u>



SW 1/4 SE 1/4 Sec 4  
T. 32 S R. 17 W

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

Driller's Signature Robert Davis HI-LINE DRILLING SERVICE

Driller's Address 1173 6th St. N. PRANK 265-4210

HAURE, MONTANA 59501 LICENSE NO. 46

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
<u>0</u>	<u>100</u>	<u>EXISTING UNEASED TEST WELL DRILLED IN FALL OF 1962</u>
<u>100</u>	<u>134</u>	<u>FIRM SANDY GREY SHALE</u>
<u>136</u>	<u></u>	<u>HARD SHELL</u>
<u>142</u>	<u></u>	<u>GREY SHALE</u>
<u>145</u>	<u></u>	<u>BROWN SHALE</u>
<u>146</u>	<u></u>	<u>DARK BROWN SHALE</u>
<u>154</u>	<u></u>	<u>GREY SHALE</u>
<u>161</u>	<u></u>	<u>FIRM GREY SHALE</u>
<u>168</u>	<u></u>	<u>HARD GREY SHALE</u>
<u>172</u>	<u></u>	<u>BLUE-GREY SHALE</u>
<u>178</u>	<u></u>	<u>FIRM BLUE-GREY SHALE</u>
<u>187</u>	<u></u>	<u>SANDY GREY SHALE</u>
<u>205</u>	<u></u>	<u>GREY SANDSTONE - WATER - 2 1/2 GPM</u>
<u>205 1/2</u>	<u></u>	<u>HARD SANDSTONE SHELL</u>
		<u>WATER ANALYSIS</u>
		<u>HARDNESS: 2 GR. PER GALLON</u>
		<u>100% LESS THAN 2 PPM</u>
		<u>SULFATE: TRACE</u>
		<u>WATER HAS SLIGHT SULFUR ODDOR</u>

205 1/2 Show exact depth of bottom

428404

VIRGIL & VERA CROSS

TO

THE PUBLIC

WATER WELL

STATE OF MONTANA } SS  
COUNTY OF HILL }  
Filed at 12:05 o'clock P.M.

ON JUN 29 1973  
R. E. Blom

COUNTY CLERK  
BY Ralph E. May  
DEPUTY

Fee: \$2.00 pd.

INDEXED



396867

VIRGIL CROSS

TO

THE PUBLIC

DECLARATION OF VESTED  
GROUNDWATER RIGHTS

STATE OF MONTANA, )  
COUNTY OF HILL ) ss.  
Filed at 11 o'clock A.M.

ON DEC 27 1963  
I G Blain  
COUNTY CLERK

FEE: \$2.00 pd.

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

T. 37 N R. 17 E

DUPLICATE

County HILL  
 REC'D  
 DEC 27 1963

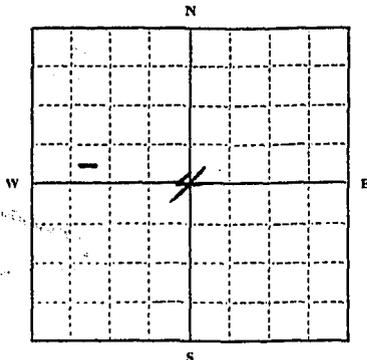
STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. RALPH W. ANDERSON, of SHAMBO RT. HAVRE  
 (Name of Appropriator) (Address) (Town)  
 County of HILL 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. 4 T. 22 R. 17

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 road use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1946 has been used continuously ever since
4. The amount of groundwater claimed (in miner's inches or gallons per minute): 1.0 gal. 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: \_\_\_\_\_
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1946
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: 22 ft with a 6 inch casing
10. The estimated amount of groundwater withdrawn each year: 36 219000 gal
11. The log of formations encountered in the drilling of each well if available: 20 ft 2 ft gravel quicksand
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 Ralph W. Anderson  
 Date Dec 23 1963

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

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

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

396756

RALPH WO ANDERSON

TO

THE PUBLIC

DECLARATION OF VESTED  
GROUNDWATER RIGHTS

STATE OF MONTANA } ss.  
COUNTY OF HILL }  
Filed at 1 o'clock P.M.

ON DEC 23 1953

R. E. Blom

COUNTY CLERK

DEPUTY

FEE: \$2.00 pd.

RECEIVED  
JUN 11 1959

T. 32N R. 17E  
County Wise

5

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

X		

Owner William Fewer Address Hayes, Montana

Driller R. C. Simpson Address Malta, Montana

Date Started June 5, 1959 Date Completed June 6, 1959

Location: Sec. 5 T. 32 R. 17E 1/4 sec. N 1/2 N 1/2

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

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

Casing: 0 ft. to 134 ft. Type SCREW JOINT Size 4 inch

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

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

Perforated or Screened: Ft. 100 to ft. 134 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations drilled holes

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

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

Pumping water level: 60 feet at 15 gal. per min.

How tested: bailer 2 hours

Length of test: 2 hours

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

gravel packed around the outside of casing, used bentonite on top  
of gravel to seal off surface

William J. Fewer

(over)





GW  
FILE NO. \_\_\_\_\_

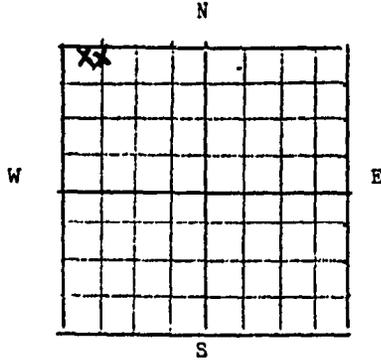
TWP 32 N RGE 17 E  
COUNTY \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 1 1963

DECLARATION OF VESTED GROUNDWATER RIGHTS  
(Under Chapter 237, Montana Session Laws, 1961)

1. EDWARD TOTH, of 17-3rd St HAVER  
(Name of Appropriator) (Address) (Town)  
County of HILL, State of MONTANA  
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



N 1/2 NW 1/4 Sec 5 T 32 R 17

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
7-1-1935

4. The amount of groundwater claimed (in miner's inches or gallons per minute)  
2 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  
5.11 AKA Garden & Flower Bed  
1/4 acre - 1/2 acre - school - West Hill

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
7-1-1935

8. The depth of water table  
12 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  
Large well 3 ft square 25 ft deep wooden casing  
1 1/2" pipe and electric pump

10. The estimated amount of groundwater withdrawn each year  
not available

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 Edward Toth

Date 12-31-1963

Three copies to be filed by the owner with the County Clerk & 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 & Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

397113

EDWARD T. TH

TO

THE PUBLIC

DECLARATION OF VESTED  
GROUNDWATER RIGHTS

STATE OF MONTANA  
COUNTY OF HILL  
Filed at 11 o'clock AM

ON 8 1963

[Signature]  
COUNTY CLERK

[Signature]  
DEPUTY

FEE: \$2.00 pd.



397181

ALBERT J. JACOBSON

TO

THE PUBLIC

DECLARATION OF VESTED  
GROUNDWATER RIGHTS

STATE OF MONTANA ) ss.  
COUNTY OF HILL )  
Filed at \_\_\_\_\_ o'clock \_\_\_\_\_ m.

BY \_\_\_\_\_ 1963  
*W. E. Blain*  
COUNTY CLERK

WESBY

FEE: \$2.00 pd.

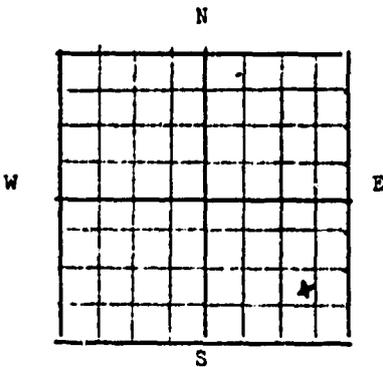
FILE NO. \_\_\_\_\_

TWP 32<sup>N</sup> RGE 17<sup>E</sup>  
COUNTY HILL

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS  
(Under Chapter 237, Montana Session Laws, 1961)

1. Albert J. Jacob, of 1015 2nd St HAVER  
(Name of Appropriator) (Address) (Town)  
County of Hill, State of Montana  
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



Sec 6 T 32 R 17

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

2. The beneficial use on which the claim is based watering of live stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1920  
The use has been off and on.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof NOT USED
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal by suction  
pump  
1 1/2 pipe and cylinder
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater It was started and finished in 1920.
8. The depth of water table 13 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 65 feet deep, hand drilled 16 inch hole, lined with 1/2 inch tubing pipe
10. The estimated amount of groundwater withdrawn each year 12000 gallons
11. The log of formations encountered in the drilling of each well if available 60 feet of subsoil, 3 feet of hard pan stratigraphic
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 DON'T KNOW

Signature of Owner Albert J. Jacob

Date Dec 31, 1963

Three copies to be filed by the owner with the County Clerk & 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 & Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

397180

ALBERT J. JACKS

TO

THE PUBLIC

DECLARATION OF VENDED  
GENERATED RIGHTS

STATE OF MONTANA  
COUNTY OF BILLINGS  
Filed at 11 o'clock a.m.

BY Albert J. Jacks  
Notary Public  
MONTANA

Fee: \$2.00 pd.

T. 32 N. R. 17 E. 6

County Beaumont

RECEIVED

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

STATE ENGINEER

WATER WELL LOG

		X	

Owner Adrian Goll Address East of House

Driller Wagner Bros Address 117 W. 1st St.

Date Started Dec 1 Date Completed Dec 3-60

Location: Sec. 6 T. 32 R. 17 1/4 sec.

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

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

Casing: 20 ft. to 72 ft. Type Steel Pipe Size 6 0 D.

Casing: 70 ft. to 116 ft. Type Steel Pipe Size 4 1 D.

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

Perforated or Screened: Ft. 72 to ft. 115 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations 1/2" slots

Static Water level, for non-flowing well: 25 feet.

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

Pumping water level 100 feet at \_\_\_\_\_ gal. per min.

How tested: Surf

Length of test: 1/2 hour

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

Adrian Goll

(over)





GW

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

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

T. 32 N. R. 17 E.

DUPLICATE

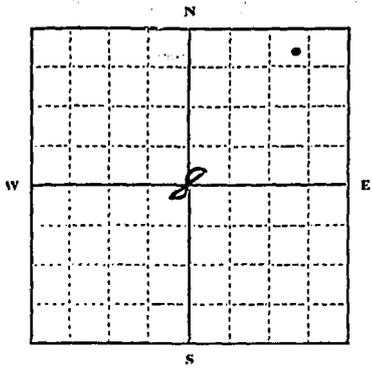
County Hill

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 27 1963

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

1. RALPH W. ANDERSON, of SHAMBO RT, HALRE  
(Name of Appropriator) (Address) (Town)  
County of HILL State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



7E 1/4 NE Sec. 8 T. 32 R. 17  
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. Stock Water
- Date or approximate date of earliest beneficial use; and how continuous the use has been. 1950
- The amount of groundwater claimed (in miner's inches or gallons per minute). 10 gal minute
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump with gasoline motor
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Summer 1950
- The depth of water table. 15 ft
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. This is a dug well 4 ft x 4 ft 20 ft deep
- The estimated amount of groundwater withdrawn each year. 10000 gal
- The log of formations encountered in the drilling of each well if 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.

Signature of Owner Ralph W Anderson  
Date Dec 23 1963

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

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

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

399755

Ralph W. ANDERSON

TO

THE PUBLIC

DECLARATION OF VESTED  
GROUNDWATER RIGHTS

STATE OF MONTANA  
COUNTY OF HILL  
Filed at 1 o'clock P.m.  
OF DEC 20 1963  
R. E. Blom COUNTY CLERK

FEES: \$2.00 pd.

10

T. 32 N R. 17 E

County Hill

ERNEST O. LEE, DRILLING  
1200 3RD STREET HAVRE

RECEIVED

WATER WELL LOG

STATE ENGINEER

		X

Owner Victor Hanson Address Havre, Montana

Driller Herbert Freier Address 281 N State St., Havre

Date Started October 12, 1961 Date Completed October 16, 1961

Location: Sec. 10 T. 32 R. 17 1/4 sec. NE 1/4 of NE 1/4

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

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other:

Casing: 2' above ground level ft. to 130 ft. Type Spang-seamless Size 7"

Casing: 126 ft. to 178 ft. Type Spang-seamless Size 6" Liner

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 120 to ft. 175 Ft. to ft.

Type of screen or perforations 1/4" X 5" Perforations

Static Water level, for non-flowing well: 85 feet

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

Pumping water level: 160 feet at 5 gal. per min.

How tested: Baler

Length of test: 1 1/2 hours

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

Gravel packed with 3/4" gravel around 7" casing

Victor M. Hanson

(over)



DOCUMENT NO. 385860

VICTOR HANSON  
TO  
THE PUBLIC

WATER WELL LOG

STATE OF MONTANA, )  
COUNTY OF HILL ) ss.  
*Filed at 2:00 o'clock P. M.*

*ON* OCT 24 1961

G.C. YEON  
COUNTY CLERK

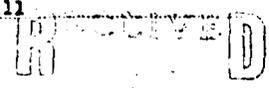
By \_\_\_\_\_ DEPUTY

FEE \$1.00- paid

70	78	Sandy Grey Shale
73	81	Grey Sandstone
81	86	Sandy Grey Shale
86	88	Grey Sandstone
88	102	Blue Shale
102	110	Sandy Grey Shale
110	112	Hard Grey Sandstone
112	120	Sandy Blue-Grey Shale
120	123	Grey Sandstone--Water--1 gal. per min.
123	130	Blue Shale
	138	Sandy Grey Shale

T. 32 *N* R. 17 *E*

County Hill



ERNEST O. LEE, DRILLING  
1200 3RD STREET HAVRE

STATE ENGINEER

WATER WELL LOG

		X

Owner Victor Hanson Address Havre, Montana

Driller Herbert Freier Address 281 N State St., Havre

Date Started October 16, 1961 Date Completed October 20, 1961

Location: Sec. 17 T. 32 R. 17 1/4 sec. SE 1/4 of SE 1/4

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

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other:

Casing: 2' above ground level ft. to 73 ft. Type Spang-seamless Size 7"

Casing: 68 ft. to 254 ft. Type Spang-seamless Size 6"

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 100 to ft. 250 Ft. to ft.

Type of screen or perforations 1/4" X 5" Perforations

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

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

Pumping water level 240 feet at 1 1/2 gal. per min.

How tested: Baler

Length of test 2 hours

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

*Victor M. Hanson*  
(over)

123 Blue Shale 130 Sandy Grey Shale 138

h

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	20	Sandy Brown Clay
20	26	Quick-sand
26	42	Grey Clay
42	45	Gravel---Quick-sand
45	73	Dark Grey Shale--Soft
73	98	Dark Grey Shale
98	100	Sandy Greenish-Grey Shale
100	106	Grey Shale
106	111	Brown Shale
111	113	Dark Brown Shale---Coal--Water 1/2 gal. per min.
113	116	Bentonite
116	127	Brown Shale
127	130	Coal--Water 1/2 gal. per min.
130	133	Dark Brown Shale
133	145	Light Brown Shale
145	149	Sandy Grey Shale
149	151	Hard Grey Sandstone
151	153	Sandy Grey Shale
153	154	Hard Grey Sandstone
154	157	Grey Shale
157	168	Light Brown Shale
168	171	Dark Brown Shale
171	181	Light Brown Shale
181	183	Dark Grey Shale
183	186	Dark Brown Shale--Coal



DOCUMENT NO. 385861

VICTOR HANSON

TO

THE PUBLIC

WATER WELL 100

STATE OF MONTANA ) ss.  
COUNTY OF HILL )  
Filed at 3:00 o'clock P.m.

OCT 24 1961

G.C. YEON

COUNTY CLERK

By \_\_\_\_\_

DEPUTY

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

--	--	--	--

Type of well \_\_\_\_\_ (Cable drill, rotary, other)  
Equipment used \_\_\_\_\_  
Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other: \_\_\_\_\_  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_  
Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_  
Type of screen or perforations \_\_\_\_\_

feet

GW 2

File No. ....

DUPLICATE

RECEIVED  
NOV 28 1962

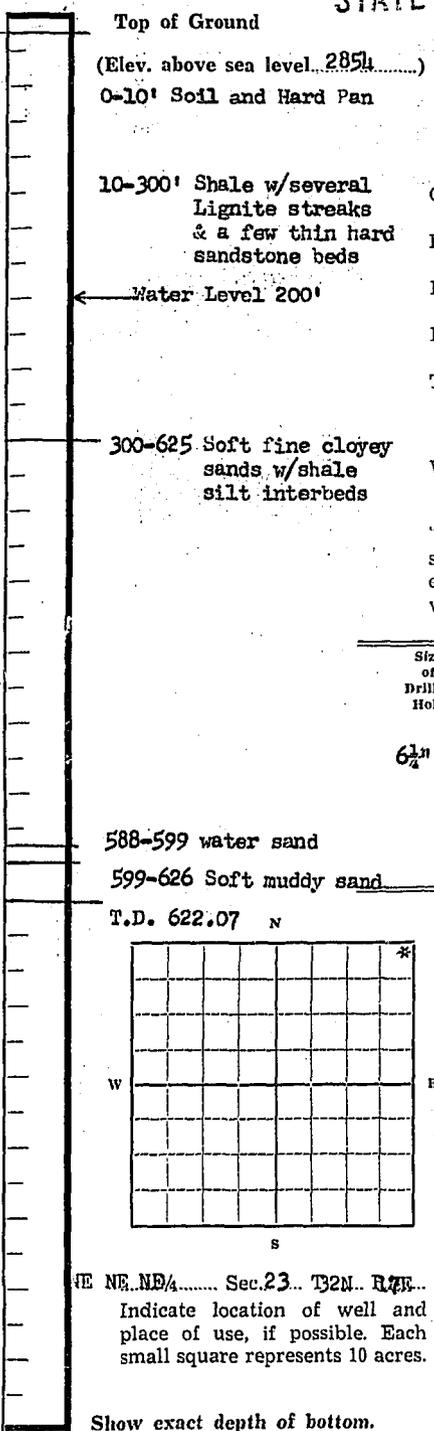
T. 32N R. 17E

County Hill

STATE ENGINEER 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 The Montana Power Co. Address 40 E. Broadway, Butte

Driller Robert M. Anderson Address Cut Bank, Montana

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

Date well started Oct. 13, 1962 Date Completed Oct. 29, 1962

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 1/2"	1 1/2" OD 11#/ft	Surf.	622.07	Jet 3/8"	588 1/2	598 1/2

588-599 water sand  
599-626 Soft muddy sand

T.D. 622.07 N

Static Water Level for non-flowing Well.....200'.....feet.

Shut-in Pressure for Flowing Well Not applicable

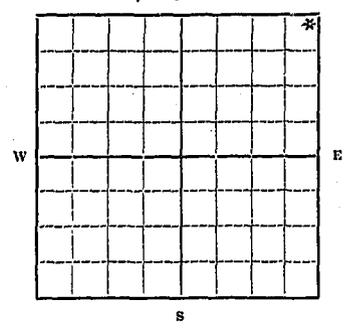
Pumping Water Level Not known feet at 5 gal. per minute.

Discharge in gal. per min. of flowing well Not applicable

How Tested No test Length of Test .....

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

Cemented w/25 sax normal Portland cement.



NE NE NE/4 Sec. 23 T32N R17E

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

Show exact depth of bottom.

Mont. Lic. # 120  
Driller's License Number

*Robert M. Anderson*  
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.

391.322

THE MONTANA POWER COMPANY

TO

THE PUBLIC

NOTICE OF COMPLETION OF GROUND  
WATER APPROPRIATION BY MEANS  
OF WELL

STATE OF MONTANA ) ss.  
COUNTY OF HILL )  
Filed at 8 o'clock A.m.

ON NOV 27 1962  
G. C. Yeon

COUNTY CLERK

By \_\_\_\_\_  
DEPUTY

Fee: \$2.00 pd.

GW 1

23

File No.....

T. 22N R. 17E

DUPLICATE

County Hill

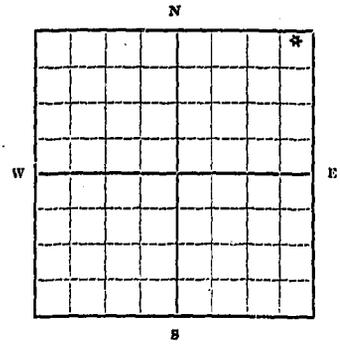
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
NOV 28 1962

Notice of Appropriation of Groundwater  
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

- I, The Montana Power Company, of 40 East Broadway, Butte, Montana  
(Name of Appropriator) (Address) (Town)  
County of Hill, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.
- The beneficial use to which water is to be applied is Domestic and Industrial use.  
(describe lands to be benefited, if for irrigation)
- The rate of use in gallons per minute or miner's inches of groundwater claimed 5 gallons per minute.
- The annual period (inclusive dates) of intended use Year around.
- The probable or intended date of first beneficial use December 1, 1962.
- The probable or intended date of commencement and completion of the well\* or wells\*  
Spud Oct. 13, 1962 Finish Drilling Oct. 29, 1962
- The location, type, size and depth of well or wells contemplated Drill a 6 1/2" hole for 1/2 casing to approximately 630'.
- The probable or estimated depth of the water table or artesian aquifer 585 - 600 ft.
- Name, address and license number of the driller engaged Robert M. Anderson  
License No. 120 Gut. Bank, Montana
- Give such other similar information as may be useful in carrying out the policy of this act.....



NE NE. NE. 1/4 Sec. 23 T. 22N. R. 17E.

Locate well or other means of development as accurately as possible on the plat.  
THE MONTANA POWER COMPANY

Signature of Appropriator... By [Signature]  
Vice President

Date... November 15, 1962

\* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn."

Three copies of this notice are to be filed with 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.

391323

THE MONTANA POWER COMPANY

TO

THE PUBLIC

NOTICE OF APPROPRIATION OF  
GROUNDWATER

STATE OF MONTANA, )  
COUNTY OF HILL )ss.

Filed at 8 o'clock a.m.

ON

NOV 27 1962

G. C. Yeon

COUNTY CLERK

By \_\_\_\_\_

DEPUTY

Fee: \$2.00 pd.

GW2

File No. ....

DUPLICATE

T 32 R 17  
County Hill

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER RECEIVED  
**Notice of Completion of Groundwater Appropriation by Means of Well**  
 (Under Chapter 237, Montana Session Laws, 1961)  
 STATE ENGINEER



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

0-110 Sandy Clay  
 110-120 Sand  
 120-160 Rock Clay  
 160-165 Sand Clay  
 165-180 Shale Bed

Owner Clifford Hanger Address Rt 1254 Haun, Mont  
 Driller Ernesto Lee Address 1200 3rd St.

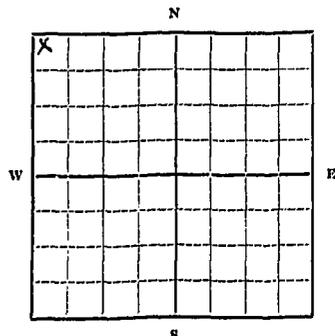
Date of Notice of Appropriation of Groundwater .....  
 Date well started Jul. 13 Date Completed Mar. 1, 1962

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

Water Use: Domestic  Municipal  Stock  Irrigation   
 Industrial  Drainage  Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
	4 1/2 11lb.	0	150	4 X 4	115	125
				4 X 4	155	170



N 1/2-1/4 NW Sec. 24 T. 32 R. 17  
 Indicate location of well and place of use, if possible. Each small square represents 10 acres.

180 Show exact depth of bottom.

Static Water Level for non-flowing Well 95 feet.

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

Pumping Water Level 125 feet at 1 gal. per minute.

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

How Tested Baker Length of Test 7 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) .....

Montana # 21  
 Driller's License Number  
Ernest Lee  
 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.

Doc. No. 388253

CLIFFORD HAUGEN

TO

THE PUBLIC

NOTICE OF COMPLETION OF  
GROUNDWATER APPROPRIATION  
BY MEANS OF WELL

STATE OF MONTANA,  
COUNTY OF HILL )  
*Filed at 3:15 o'clock P.m.*

ON APR 11 1962

G. C. Yeon  
COUNTY CLERK

By \_\_\_\_\_  
DEPUTY

Fee \$2.00 Paid

File No.

DUPLICATE

*SPRINGS*

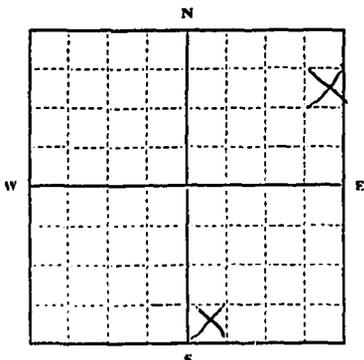
T. 32N R. 17E 33  
County *Hill*  
**RECEIVED**  
JAN 13 1964

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights** ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. *O. R. Walew* (Name of Appropriator), of *Box 1421* (Address) *Maure* (Town)  
County of *Hill* State of *Mont.*  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 93, T. 32 R. 17.

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

- 2. The beneficial use on which the claim is based *stock water*
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been *June 1, 1959*  
*Continuous*
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) *10 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 *springs*  
*natural flow*
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater *June 1, 1959*
- 8. The depth of water table *10 ft*
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.  
*10 ft natural flow*
- 10. The estimated amount of groundwater withdrawn each year *1,314,000 each spring*
- 11. The log of formations encountered in the drilling of each well if available *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  
*not applicable*

Signature of Owner *O. R. Walew*  
Date *12-30-63*

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

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

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

31232

397175

OL R. WALLEN

TO

THE PUBLIC

DECLARATION OF VESTED  
GROUNDWATER RIGHTS

STATE OF MONTANA )  
COUNTY OF HILL )  
Filed at 11 o'clock a.m.

ON FEB 28 1953  
*T. G. Blain*  
COUNTY CLERK  
DEPUTY

FEES: \$2.00 pd.

GW:

File No. ....

DUPLICATE

T. 32 N R. 17 E

County Hill

SW

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 12 1963

STATE ENGINEER

### Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 10 December 1963

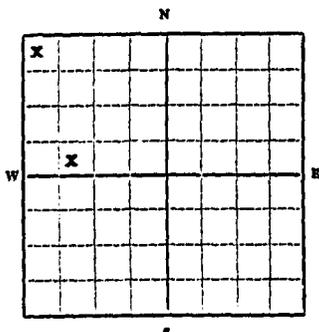
Owner James W. Davey Address 709 6th Ave.  
Havre Mont.

Contractor (if any) .....

Address of Contractor .....

Date Started 1930 Date Completed 1963

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



Water rights were adjudicated at this location by the Courts in the early 1930's. It is not entirely clear to me whether such water rights are included or whether it is necessary to file this form. Water from these springs located on this farm is used for domestic purposes, irrigation and stock water.

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

NW 1/4 Sec 35 T32 R17

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

Signature of Owner James W. Davey

Date 12/11/63

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.

396464

JAMES H. DAVY

TO

THE PUBLIC

NOTICE OF COMPLETION OF GROUND  
WATER APPROPRIATION WITHOUT WELL

STATE OF MONTANA )  
COUNTY OF HILL )  
*Filed at 1 o'clock P.M.*

ON DEC 10 1963  
R. E. BLOE  
COUNTY CLERK

DEPUTY

Fee: \$2.00 pd.

GW3

RECEIVED

County ... 17. (2)

OFFICE OF STATE ENGINEER

NOTICE OF APPROPRIATION OF GROUNDWATER WITHOUT WELL (Under Chapter 137 Montana Session Laws, 1961)

Date of appropriation of Groundwater .....

Owner W. M. O'Neil Address 21174 Hwy 2

Contractor (if any) .....

In Twp. 31 & 32, R. 17 E.

Address of Contractor None

WNS Sec. 1, WNS Sec. 1, SWS Sec. 2, Lot 1 Sec. 2, SESE Sec. 35, WNS Sec. 11

Date started .....

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

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 .....

Waters used for flood irrigation since .....

Signature of Owner W. M. O'Neil Date Jan 29 1973

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.

55746

County of Hill

... of the order and water ... of the person ... whose name ... as the appropriator ... and claimant ... that ... know ... the contents of said foregoing notice and that the matters and things therein stated are true.

Robert M. O'Neil

Subscribed and sworn to before me, this \_\_\_\_\_ day of \_\_\_\_\_ 1973

Notary Public for the State of Montana  
Residing at \_\_\_\_\_  
My Commission expires \_\_\_\_\_

428405

JOHN O'NEIL

TO

THE PUBLIC

NOTICE OF GROUNDWATER APPROPRIATION

STATE OF MONTANA | SS  
COUNTY OF HILL: |  
Filed at 5:00 P.M. |

ON JUN 29 1973

R. E. Blom  
COUNTY CLERK  
BY Robert E. Blom  
Clerk

Fees: \$2.06 pd.

INDEXED

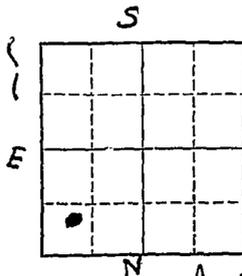


RECEIVED  
OCT 18 1960

T. 31 N R 8 E  
County Hill

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG



Owner Albert C. Lincoln Address Joplin, Montana

Driller E. Whitaker Address Augusta

Date Started 9-30-60 Date Completed 10-7-60

Location: Sec. N 1/2 7 T. 31 R. 8 1/4 sec.

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

Water use: Domestic  Municipal  Stock  Irrigation

Industrial  Drainage  Other:

Casing: 0-1 ft. to 147 ft. Type steel Size 6" O.D.

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 126 to ft. 147 Ft. to ft.

Type of screen or perforations 1/4" slits two feet long

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

Shut-in pressure, for flowing well: lb./sq. in. on: 10-7-60 (date)

Pumping water level 145 feet at 14 gal. per min.

How tested: bailing

Length of test: two hours

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

Gravel packed around casing also inside casing for seven feet, from 147 feet to 154.

Albert C. Lincoln

(over)





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

T. 31 N. R. 8 E

DUPLICATE

County Hill

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 27 1963

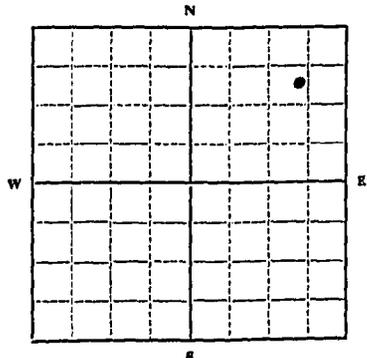
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Albert C. Lincoln, of Joplin  
(Name of Appropriator) (Address) (Town)  
County of Hill State of Montana

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



N. 1/4 E. Sec. 7 T. 31 R. 8

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. October 15, 1960  
is used during the winter months

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 70 feet 10 gallons per minute

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. around September 1 Completed Oct. 15 1960

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. is a soda water well total depth is 156 feet

10. The estimated amount of groundwater withdrawn each year. unknown approx 60,000 gal

11. The log of formations encountered in the drilling of each well if available. recorded at Hill County Clerk and recorder

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. unavailable

Signature of Owner. Albert C. Lincoln  
Date. 12-20-63

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.

396740

ROBERT C. LINCOLN

T3

THE PUBLIC

DECLARATION OF VACATED GRANT  
AND RIGHTS

STATE OF MONTANA,  
COUNTY OF HILL ) ss.  
Filed at 1 o'clock P.M.

ON DEC 23 1963

R. E. Blom

COUNTY CLERK

By \_\_\_\_\_ DEPUTY

Fee: \$2.00 pd.

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

T. 31 N. R. 8 E

DUPLICATE

County Hill

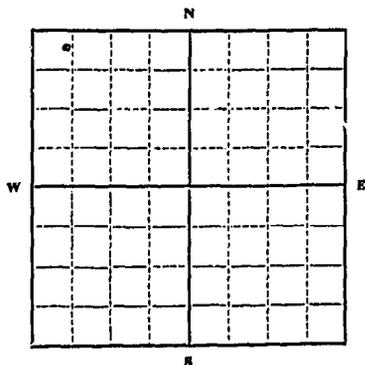
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC. 27 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Albert C. Lincoln of Joplin  
(Name of Appropriator) (Address) (Town)  
County of Hill State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N. 7. 1/4 Sec. 8, T. 31. R. 8.

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. Roushield and livestock
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. November 1-1949  
continuous
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 5 gallons per minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. Not applicable.
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. submersible electric pump

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. October 20 - 1949 completed November 1-1949
- 8. The depth of water table. 40 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. Is a soda water well with six in casing and, is 132 feet deep.
- 10. The estimated amount of groundwater withdrawn each year. 50,000 gallons
- 11. The log of formations encountered in the drilling of each well if available. Unavailable
- 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. unavailable

Signature of Owner Albert C. Lincoln  
Date 12-20-63

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.

206739

ALBERT BENTON

TO

THE PUBLIC

DECLARATION OF WILDER GROUND  
WATER RIGHTS

STATE OF MONTANA, ) ss.  
COUNTY OF HILL )  
Filed at 1 o'clock P. M.

ON DEC 23 1963

R. E. Blom  
COUNTY CLERK

BY \_\_\_\_\_ DEPUTY

Fee: \$2.00 pd.

File No. ....

T. 31<sup>W</sup>R 8<sup>R</sup>

DUPLICATE

County Hill

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

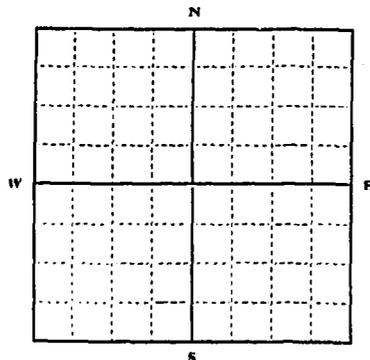
RECEIVED  
DEC 27 1963

Declaration of Vested Groundwater Rights  
STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Katie Jensen and Elmer J. Jensen, of Inverness, Montana  
(Name of Appropriator) (Address) (Town)

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



S<sup>1</sup>/<sub>2</sub>  
SW 1/4 NW Sec. 10, T. 31, R. 8, 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.....  
Domestic and Livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1910 and has been used continually

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....800 hundred gallons daily

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, also is not suitable for irrigation

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....Approximately 1910 removal equipment has been replaced from time to time

8. The depth of water table.....approximately 200 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....Six inch drilled well 200 feet deep

10. The estimated amount of groundwater withdrawn each year.....290,000

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....do not know if records exist

Signature of Owner Katie Jensen  
Elmer J. Jensen  
Date Dec 17, 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.

396702

RATEY JUDGEM

TO

THE PUBLIC

DECLARATION OF JUDICIAL PROCEEDING  
IN THE DISTRICT

STATE OF MONTANA, ss.  
COUNTY OF HILL )  
Filed at 8 o'clock Am.

ON DEC 23 1963

R. E. Blom

COUNTY CLERK

BY \_\_\_\_\_ DEPUTY

Fee: \$2.00 pd.

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

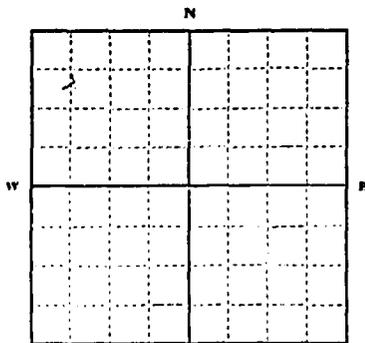
T. 3 N. R. 2 E. S. 2  
County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 27 1963

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

1. James J. Smith, of Quinn (Town)  
(Name of Appropriator) (Address) (Town)  
County of Beaumont State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 2 T. 3 R. 2  
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 from 1911 to present
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 miner's inches
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 100 acres, James J. Smith
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal well
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1911
- 8. The depth of water table 100 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 100 ft
- 10. The estimated amount of groundwater withdrawn each year 100 gpm
- 11. The log of formations encountered in the drilling of each well if available see log
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record see record

Signature of Owner James J. Smith  
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.

396710

ROGER W. GERRISON

TO

THE PUBLIC

RECORDED & INDEXED

FOR PLATS

STATE OF MONTANA )  
COUNTY OF HILL )  
Filed at 8 o'clock A.m.

ON DEC 23 1963

R. E. Blom

COUNTY CLERK

DEPUTY

Fees: \$2.00 pd.