



File No. ....

T. 31 R. 16

DUPLICATE

County Hill

SW

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
AUG 26 1963

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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1945

Owner J.P. + M. R. Crowe Address Shank Pt. House

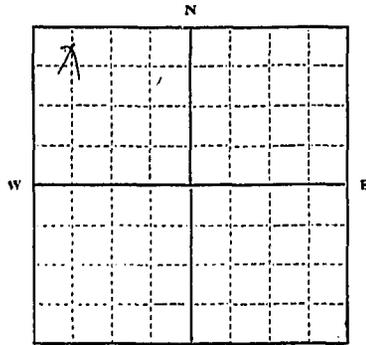
Contractor (if any) .....

Address of Contractor .....

Date Started..... Date Completed.....

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

Stock reservoir



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.....

Continued since construction

SW 1/4 Sec. 8 T. 31 R. 16

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

Signature of Owner J.P. + M. R. Crowe by M. R. Crowe

Date 8/19/63

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.

394972

L. R. & M. R. CROWE

TO

THE PUBLIC

NOTICE OF COMPLETION OF  
GROUNDWATER APPROPRIATION

# 3

STATE OF MONTANA, ss.  
COUNTY OF HILL

Filed at 3 o'clock P.M.

ON AUG 22 1963

R. E. Blom

COUNTY CLERK

By \_\_\_\_\_

DEPUTY

FEE: \$2.00 pd.

File No. ....

T. 31 R. 16

DUPLICATE

County Hill

*SW*

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
AUG 26 1963

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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1941

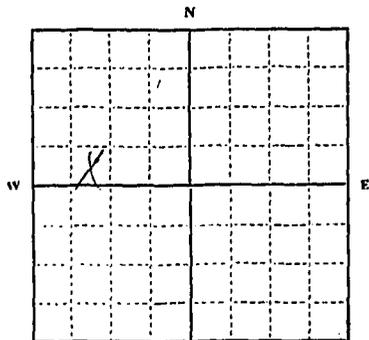
Owner P.R. + M.R. Crowe Address Phank's Pt. Havre

Contractor (if any) ✓

Address of Contractor ✓

Date Started Oct Date Completed Dec

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



NW  $\frac{1}{4}$  Sec. 8 T. 31 R. 16  
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.....

Continuous since construction

Signature of Owner P.R. + M.R. Crowe & M.R. Crowe

Date 8/19/63

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.

394969

L.R. & M.R. CROWE

TO

THE PUBLIC

NOTICE OF COMPLETION OF  
GROUNDWATER APPROPRIATION  
# 3

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

ON AUG 22 1963

R. E. Blom  
COUNTY CLERK

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

FEE: \$2.00 pd.

78

File No. ....

T. 31 R. 16

DUPLICATE

County Hill

SW

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
AUG 26 1963

STATE ENGINEER  
Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1941

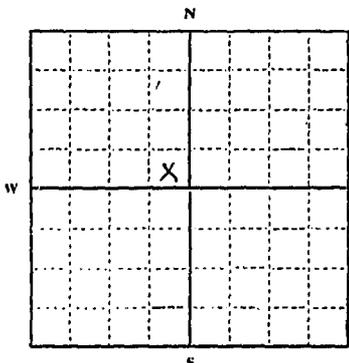
Owner L. R. & M. R. Crow Address Phonix Pt. Havre

Contractor (if any) /

Address of Contractor /

Date Started June Date Completed July

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



NW 1/4 Sec. 8 T. 31. R. 16.  
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

approximately 3 gal per minute piped to tank for stock

Signature of Owner L. R. & M. R. Crow by M. R. Crow

Date 8/19/63

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.

394970

M. R. & L. R. CROWE

TO

THE PUBLIC

NOTICE OF COMPLETION OF  
GROUNDWATER APPROPRIATION

# 3

STATE OF MONTANA, ss.  
COUNTY OF HILL )  
Filed at 3 o'clock P.M.

ON AUG 22 1963

R. E. Blom  
COUNTY CLERK

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

FEE: \$2.00 pd.

File No. ....

T 31 N R 16 E

DUPLICATE

County Hill

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 27 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 26 Dec 1963

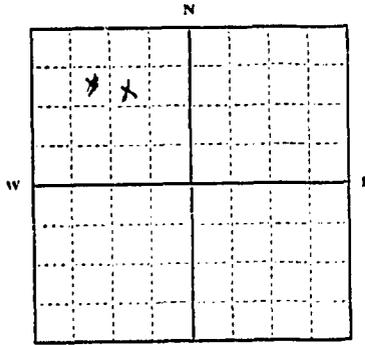
Owner ..... Address Box 1523 Havre

Contractor (if any) none

Address of Contractor none

Date Started X Date Completed X

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



1/4 Sec 12 T31 R16 E  
Indicate point of appropriation and place of use, if possible.

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

estimate approximate lengths of periods of use For Stock and House use throughout the year

Signature of Owner Edna & George Young

Date Dec 29 - 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.

396812

SULLIVAN & GEORGE YOUNG

TO

THE PUBLIC

NOTICE OF COMPLETION OF  
GROUNDWATER WITHOUT WELL

STATE OF MONTANA ) ss.  
COUNTY OF HILL )  
Attest at 12:30 o'clock P.M.

ON - DEC 26 1963

*L. E. Blain*  
COUNTY CLERK

DEPUTY

FEE: \$2.00 pd.

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

T. 31<sup>N</sup> R. 16<sup>E</sup> 1<sup>st</sup> - Mail

DUPLICATE

County Hill  
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER MAR 26 1964

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

8 gravel  
28 brown clay  
36 blue clay  
48 brown sandstone  
56 rock  
69 blue sandstone  
78 gray shale  
98 blue sandstone water

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner John Clontz Address South Havre, Montana

Drilled by Amerson Drilling Co. Address Malta, Montana

Date of Notice of appropriation of ground water \_\_\_\_\_

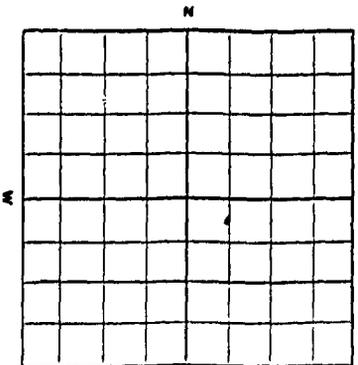
Date well started 3-10-64 Date Completed 3-13-64

Type of well drilled Equipment used cable tools  
(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)
6 3/4"	5" I.D. 11.1 LB	0	98	3/16	70	98



1/4, 1/4 Sec. 31, T. 16, R. \_\_\_\_\_  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing well \_\_\_\_\_  
\_\_\_\_\_ feet.

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

Pumping Water Level 70 feet

at 15 gal. per minute.

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

How Tested Driller

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) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

15  
Driller's License Number

Pushing Jacobs  
Driller's Signature

98 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.

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 Appropriator.

35515

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

T. 31<sup>N</sup> R. 16<sup>E</sup> 14

DUPLICATE

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

8 gravel  
28 brown clay  
38 blue clay  
48 brown sandstone  
56 rock  
69 blue sandstone  
78 gray shale  
98 blue sandstone water

County Hall  
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER  
RECEIVED  
MAR 26 1964

Notice of Completion of Groundwater Appropriation by Means of Well  
STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Owner John Clonts Address South Havre, Montana

Driller Simpson Drilling Co. Address Malta, Montana

Date of Notice of appropriation of ground water \_\_\_\_\_

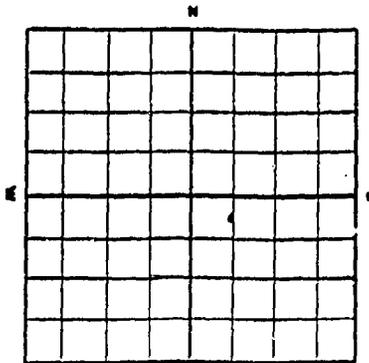
Date well started 10-54 Date Completed 3-13-64

Type of well Drilled \_\_\_\_\_ Equipment used cable tools  
(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)
6 3/4	6" I.D. 13 BLs	0	98	3/16	80	98



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

Static Water Level for non-flowing well \_\_\_\_\_ feet.

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

Pumping Water Level 70 feet at 15 gal. per minute.

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

How Tested Bailor \_\_\_\_\_

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) \_\_\_\_\_

15  
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 Appropriator.

35515

398156

JOHN CLONTZ

TO

THE PUBLIC

NOTICE OF COMPLETION OF GROUND  
WATER APPROPRIATION BY MEANS  
OF WELL

STATE OF MONTANA )  
COUNTY OF HILL ) ss.  
Filed at 10:30'clock A.M.

BY MAR 18 1964  
R. E. Blom  
COUNTY CLERK  
CLERK

FEE: \$2.00 pd.

FEE: \$2.00 pd.

GW 3

File No. ....

DUPLICATE

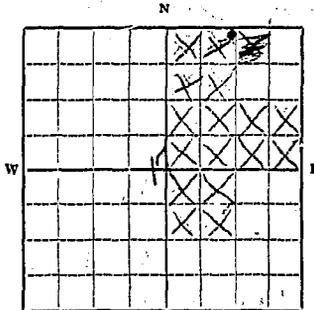
T. 31 N. R. 16 E  
County HIDE  
RECEIVED  
DEC 10 1963  
STATE ENGINEER

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 6 Dec. 1963  
Owner ALFRED B. LATHROP Address 176 FARLEY AVE  
HAVER, MONT.  
Contractor (if any) .....  
Address of Contractor .....  
Date Started 10-15-63 Date Completed 10-10-63



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Due by BACKHOLE to a  
DEPTH OF 9'. WATER IS ACQUIRED BY  
backhole + SPRING SEEPAGE.

NE 1/4 Sec. 17 T. 31 R. 16  
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 developed - APPROX - 3000 gals  
Water used - APPROX - 100 gals per day  
According average use per day  
by team 5 to 15 head of stock

Signature of Owner Alfred B. Lathrop  
Date Dec 6 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.

GW 3

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

T. 31 N. R. 16 E

DUPLICATE

County H. H. DECEIVED

DEC 10 1963

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

STATE ENGINEER

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

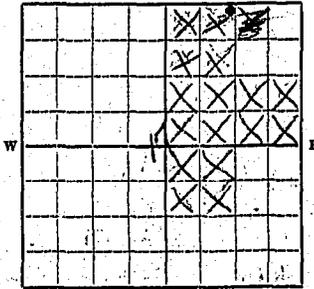
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 6 Dec. 1963  
Owner ALFRED B. LATHROP Address 176 FAIRVIEW  
HAVER, MONT.  
Contractor (if any) \_\_\_\_\_

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

Date Started 10-15-63 Date Completed 10-16-63

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Due by backhole to a depth of 9'. WATER IS ACQUIRED BY backhole + SPRING SEEPAGE.



NE 1/4 Sec. 17 T. 31 R. 16  
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 developed - APPROX - 3000 gals  
Water used - APPROX - 100 gals per day  
according average use per day  
day from 5 to 15 head of stock

Signature of Owner Alfred B. Lathrop

Date Dec. 6 - 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.

396404

ALFRED B. LATHROP

TO

THE PUBLIC

NOTICE OF COMPLETION OF GROUND  
WATER APPROPRIATION WITHOUT WELL

STATE OF MONTANA, ss.  
COUNTY OF HILL )  
Filed at L o'clock P. m.

ON DEC 6 1963

R. E. Blom  
COUNTY CLERK

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

Fee: \$2.00 pd.

RECEIVED

Approved Stock Form—State Publishing Co., Helena, Montana—4262

20

GW 3

File No. ....

APR 10 1973

T. 31 N R. 16 E

DUPLICATE

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Hill

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

### Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater... Prior to 1952...

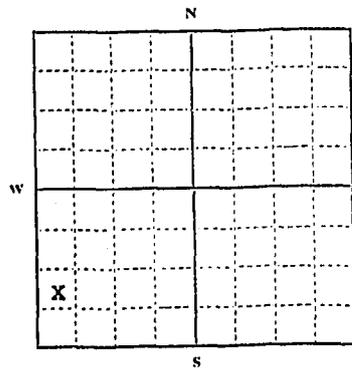
Owner Giles W. Gregoire Address Shambo Route, Havre, Montana 59501

Contractor (if any) .....

Address of Contractor .....

Date Started Prior to 1952 Date Completed Prior to 1952.

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Natural spring with culvert sunk in ground and piping from culvert. Culvert approximately 5 feet in diameter extending approximately 5 feet into the ground.



Lot 6 Sec. 20 T. 31 R. 16

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. Intermittent use during the course of each year since prior to 1952 for watering of livestock, such use being intermittent in nature because livestock do not require the same quantity of water during each period.

Doc. No. 427641  
Filed for record  
this 12th day of April  
A. D. 19 73, at 4:35  
P.M.

Signature of Owner Giles W. Gregoire  
Date April 17, 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.

427641

GILES W. GREGOIRE

TO

THE PUBLIC

WATER WELL

STATE OF MONTANA } SS  
COUNTY OF HILL }  
Filed at 4:35 o'clock P.M

ON APR 17 1973

R. E. Blom

BY Dante E. Day COUNTY CLERK  
DEPUTY

Fee:\$2.00 pd.

INDEXED

STATE OF MONTANA

GW 3

File No. ....

DUPLICATE

T. 21<sup>N</sup> R. 16<sup>E</sup>

County Hill

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 6 1963

STATE ENGINEER

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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater .....

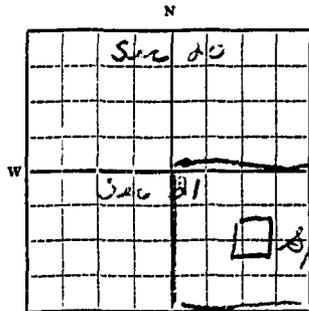
Owner..... Address.....

Contractor (if any) .....

Address of Contractor .....

Date Started..... Date Completed.....

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



*Spring development*

*Spring*

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 E. 1/4 N. 21 Sec. 31 T. 21 R. 16

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

Signature of Owner..... *Peter H. Jantzen*

Date June 24 1960

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.

GW 3

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

DUPLICATE

T. 31<sup>N</sup> R. 16<sup>E</sup>

County Hill

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 6 1963

STATE ENGINEER

### Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater .....

Owner..... Address.....

Contractor (if any) .....

Address of Contractor .....

Date Started..... Date Completed.....

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

*Spring development*

*Spring*

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 .....

.....

.....

.....

.....

.....

Signature of Owner..... *Peter H. Jantzen*

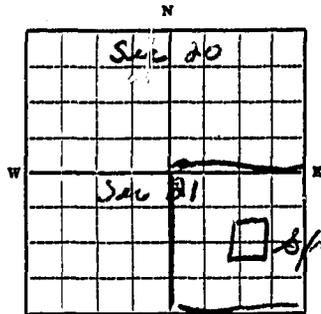
Date..... *Dec 4 1963*

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.



*E 1/2 E 2 1/2 N 1/2 S 2 1/2*  
Sec. 31 T. 31 R. 16

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

396347

PETER H. TAUTGES

TO

THE PUBLIC

NOTICE OF COMPLETION OF GROUND  
WATER APPROPRIATION WITHOUT WELL

STATE OF MONTANA )  
COUNTY OF HILL ) ss.  
*Filed at 1:30 o'clock P.M.*

ON DEC 5 1963

R. E. Blom

COUNTY CLERK

DEPUTY

Fee:\$2.00 pd.

GW 3

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

DUPLICATE

T. 21<sup>N</sup> R. 16<sup>E</sup>

County Hill

21

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 6 1963

Notice of Completion of Groundwater Appropriation Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater .....

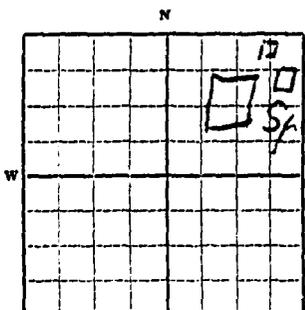
Owner..... Address.....

Contractor (if any) .....

Address of Contractor .....

Date Started..... Date Completed.....

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



Spring

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 .....

NE 21 21 16  
1/4 Sec. T. R.

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

Signature of Owner

Peter H. Saitz

Date

Dec 4 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.

7920

396349

PETER H. TAUTGES

TO

THE PUBLIC

NOTICE OF COMPLETION OF GROUND  
WATER APPROPRIATION WITHOUT WELL

STATE OF MONTANA )  
COUNTY OF HILL )  
Filed at 1:30 o'clock P.m.

ON DEC 5 1963

R. E. Blom

COUNTY CLERK

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

Fee: \$2.00 pd.

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—7009

25

File No. ....

RECEIVED  
JUN 28 1961

T. 31 R. 16

DUPLICATE

County Hill

STATE OF MONTANA  
STATE ENGINEER 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)



Handwritten notes: 1. 20' sand clay, 10' gravel, 25' sand, 28' sand, 28' sand, 46' gravel, 50' gravel.

Owner JERRY HARRY S. L. Address HAYFIELD

Driller ERNEST C. CREE Address HAYFIELD

Date of Notice of Appropriation of Groundwater NOV 1

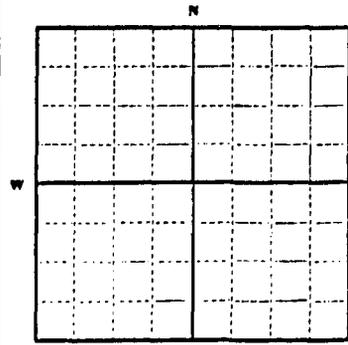
Date well started NOV 1 Date Completed NOV 26

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

Water Use: Domestic [ ] Municipal [ ] Other [ ] Irrigation [ ] Industrial [ ] Drainage [ ] Stock [x]

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.

Table with columns: Size of Drilled Hole, Size and Weight of Casing, From (Foot), To (Foot), PERFORATIONS (Kilob, From, To). Handwritten entry: 10 inch hole, 2 1/2 inch casing, from 10 to 52 feet, perforations from 48 to 52 feet.



Sec. 25, T. 31, R. 16. Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 12 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level feet at 15 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Length of Test 4 hr

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

acres irrigated, if used for irrigation) 30 ACRES

HOLE DRILLED 10" & GRAVEL

PACKED

Show exact depth of bottom.

# 21 Driller's License Number

Driller's Signature

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

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

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

701326

ED & HARRY SOLOWIN

TO

THE PUBLIC

NOTICE OF COMPLETION OF GROUND  
WATER APPROPRIATION BY MEANS  
OF WELL.

STATE OF MONTANA, ) ss.  
COUNTY OF HILL )  
Filed at 2 o'clock P.m

ON 10/21 1952

G. C. Yeon

COUNTY CLERK

BY \_\_\_\_\_

DEPUTY

Fee \$12.00 pd.

GW3

File No.....

DUPLICATE

T. 31 N R. 16 E

County Hill

27

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 6 1963

Notice of Completion of Groundwater Appropriation Without Well ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater .....

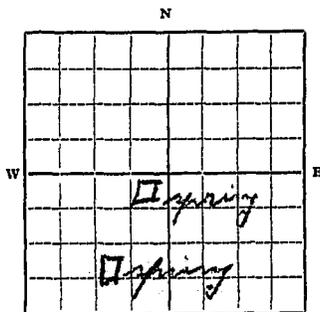
Owner *Peter H. Jantzen* Address *Box 1171*

Contractor (if any) ..... *Harcourt*

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 flow*

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 .....

*S 1/2 NW 27*  
*NE-E 1/2 NW* 1/4 Sec. 27 T. 31 R. 16  
Indicate point of appropriation and place of use, if possible.

Signature of Owner *Peter H. Jantzen*

Date *Dec 4 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.

9922

396350

PETER H. TAUTGES

TO

THE PUBLIC

NOTICE OF COMPLETION OF GROUND  
WATER APPROPRIATION WITHOUT WELL

STATE OF MONTANA, ) ss.  
COUNTY OF HILL )  
*Filed at 1:30 o'clock P.M.*

ON DEC 5 1963

R. E. Blom

COUNTY CLERK

BY \_\_\_\_\_

DEPUTY

Fee: \$2.00 pd.

GW3

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

DUPLICATE

T. 31<sup>N</sup> R. 16<sup>E</sup>

County Hill

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 6 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

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

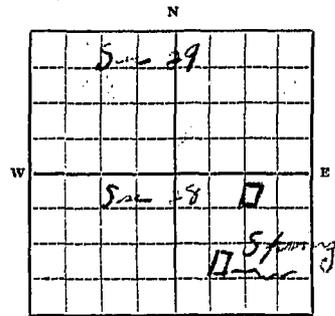
Owner \_\_\_\_\_ Address \_\_\_\_\_

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

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

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

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



*Spring development*

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 \_\_\_\_\_

..... 1/4 Sec. <sup>28</sup> 27 T. 31 R. 16  
Indicate point of appropriation and place of use, if possible.

Signature of Owner Peter H. Jantzen

Date Dec 4 - 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.

396349

PETER H. TAUTGES

TO

THE PUBLIC

NOTICE OF COMPLETION OF GROUND  
WATER APPROPRIATION WITHOUT WELL

STATE OF MONTANA, ) ss.  
COUNTY OF HILL )  
*Filed at 1:30 o'clock P.M.*

ON DEC 5 1963  
R. E. Blom

COUNTY CLERK

BY

DEPUTY

Fee: \$2.00 pd.

GW

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

31N-16E

File No. ....

T. 31 N. R. 16 E

DUPLICATE

County Hill

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

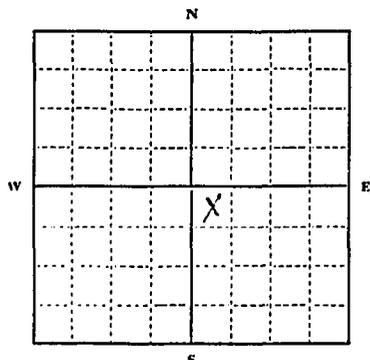
RECEIVED  
JAN 18 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. John R. Anderson, of Montreat, Nevada,  
(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:



1/4 Sec. 36 T. 31 N. R. 16 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. Home  
and livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1925

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 15

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 pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. unknown at Mt. Nevada  
are now dead

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. open well 6 ft deep and  
27 ft deep smaller cement lined and  
concrete cover

10. The estimated amount of groundwater withdrawn each year. 100,000 gal

11. The log of formations encountered in the drilling of each well if available.  
6 ft surface clay then gravel and clay then  
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 recorded

Signature of Owner John R. Anderson  
Date Dec 14, 1963

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

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

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

31244

397187

JOHN R. ANDERSON

TO

THE PUBLIC

DECLARATION OF VESTED  
GROUNDWATER RIGHTS

STATE OF MONTANA ) ss.  
COUNTY OF HILL )  
Filed at 11:00 a.m. 11/1/62

ON DEC 3 1 1962  
[Signature]  
COUNTY CLERK

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

FEE: \$2.00 pd.

GW3

File No. ....

DUPLICATE

31-16<sup>F</sup> 30  
T. ~~2-3-16~~  
County Hill

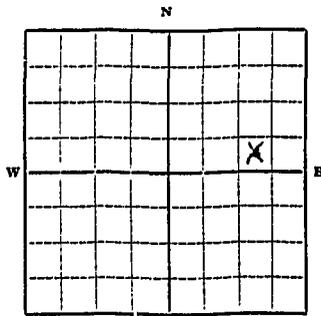
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 18 1954

Notice of Completion of Groundwater Appropriation Without Well STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1943  
Owner J. R. Adams Address State St. Hawaii  
Contractor (if any) None  
Address of Contractor Florida  
Date Started unknown Date Completed unknown



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. By a reservoir  
cut a spring ditch at  
the water table.

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

..... 1/4 Sec. 30 T. 21 R. 6  
Indicate point of appropriation and place of use, if possible.

No water for the  
water used in livestock  
about 9 months of year

Signature of Owner J. R. Adams  
Date Dec 24 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.

397188

JOHN R. ANDERSON

TO

THE PUBLIC

DECLARATION OF VESTED  
GROUNDWATER RIGHTS  
WITHOUT WELL

STATE OF MONTANA )  
COUNTY OF HILL )  
Filed at H. O'Leary, C.M.

ON DEC 31, 1963

BY \_\_\_\_\_ COUNTY CLERK

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

FEE: \$2.00 00.

GWA

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

DUPLICATE

SW?

T. 31N R. 16E 30

County Hill  
RECEIVED

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 1918

Owner R. A. Hegle Address Shamba, Bt. Shamba, Mont

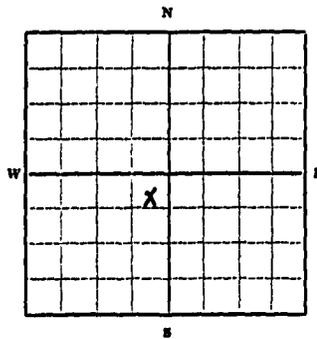
Contractor (if any) \_\_\_\_\_

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

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

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

Spring  
6' deep



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

runned freely  
never dry

NW 1/4 Sec 30 T31N R16E

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

Signature of Owner R. A. Hegle

Date Jan 2, 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 School of Mines and Quadruplicate for the Appropriator.

391875

R. A. HEGLE

TO

THE PUBLIC

NOTICE OF COMPLETION OF  
GROUNDWATER APPROPRIATION  
WITHOUT WELL

STATE OF MONTANA )  
COUNTY OF HILL )  
Filed at 9 o'clock AM

ON 11 9 1963  
O. C. Yarn  
COUNTY CLERK  
BY \_\_\_\_\_  
DEPUTY

Fee: \$2.00 pd.



File No.....

T. 31 and 32... R. 17...

RECEIVED

County ...Hill.....

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL  
(Under Chapter 237 Montana Session Laws, 1961)

Date of appropriation of Groundwater .....

Owner W. H. H. H. Address R. 1130, Hill, MT

Contractor (if any) .....

Address of Contractor .....

In Twp. 31 & 32, R. 17 E.  
W1/4 NW Sec. 1, W1/4 SW Sec. 1,  
SE1/4 Sec. 2, Lot 1 Sec. 2,  
SESE Sec. 35, NW4 Sec. 11

Date Started ..... Completed .....

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 .....

Water used for flood irrigation since .....

1924 or before from Little Box Elder Creek.....

Signature of Owner, W. H. H. H. .....

Date 7/18/73 .....

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 two triplicate for the appropriator.

STATE OF MONTANA

County of Hill

SS.

..... having duly sworn, depose \_\_\_ and say \_\_\_ that \_\_\_ he is of lawful age and \_\_\_ the appropriator \_\_\_ and claimant \_\_\_ of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation without well and the person ..... whose name..... subscribed thereto, as the appropriator.....and claimant....., that .....he.....know..... the contents of said foregoing notice and that the matters and things therein stated are true.

*John 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 }  
COUNTY OF HILL } SS  
Filed at 5:00 o'clock P M

ON JUN 29 1973

R. E. BLOM

DEPUTY COUNTY CLERK

By *R. E. Blom* DEPUTY

Fee: \$2.00 pd.

INDEXED

File No. ....

T. 31<sup>N</sup> R. 17<sup>E</sup>  
 County Hill

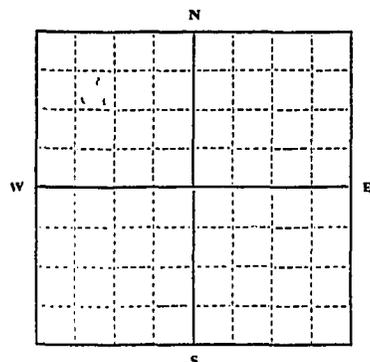
DUPLICATE

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

I, John M. O'Neil, of Box 215 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:



NW  $\frac{1}{4}$  Sec. 11 T. 31 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 and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been One well 1941 and two wells 1952 steady use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) approx. 100 gallons per minute on all three
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 irrigate about 5 acres in the NW $\frac{1}{4}$  of Sec. 11, Twp. 31, Rge. 17 E. owner John M. O'Neil
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 3 electric pumps all 3 wells in NW $\frac{1}{4}$  of Sec. 11, Twp. 31, Rge. 17 E
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater one commenced and completed 1941, two commenced and completed 1952
8. The depth of water table about 35 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater all drilled wells, 4 in. casing, 35 feet deep
10. The estimated amount of groundwater withdrawn each year 900,000 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 John M. O'Neil

Date 12/12/63

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.

396522

JOHN M. O'NEILL

TO

THE PUBLIC

DECLARATION OF VESSED GRANT  
WATER RIGHTS

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

GW DEC 12 1963

R. E. Blom  
COUNTY CLERK

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

Fee: \$2.00 pd.

File No. ....

T 31<sup>1/2</sup> R 17<sup>E</sup>

DUPLICATE

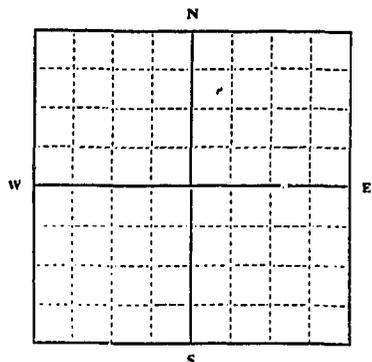
County Hill

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John M. O'Neil, of Box 215 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:



NE 1/4 Sec. 11 T. 31 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 and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1941 continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 60 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 2 acres NE 1/4 Sec. 11 Twp. 31 Rge. 17 owner John M. O'Neil

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump NE 1/4 Sec. 11 Twp. 31 Rge. 17

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater commenced and completed 1941

8. The depth of water table about 35 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4 in. casing, drilled, 35 ft. depth

10. The estimated amount of groundwater withdrawn each year 250,000 gallons

11. The log of formations encountered in the drilling of each well if available none 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 John M. O'Neil  
Date 12/2/63

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.

396521

JOHN O'NEIL

TO

THE PUBLIC

DECLARATION OF VESTED GROUND  
WATER RIGHTS

STATE OF MONTANA, )  
COUNTY OF HILL ) ss.  
Filed at 2 o'clock P.m.

ON DEC 12 1963

R. E. Blom

COUNTY CLERK

BY

DEPUTY

Fee: \$2.00 pd.





RECEIVED

JUL 11 1972

30N-2E  
County HILL

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER DEPARTMENT OF NATURAL  
MONTANA WATER RESOURCES BOARD AND CONSERVATION

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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.

(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 GLEN ALEX BIG G GRASS FARMS  
Address INVERNESS MONTANA 59530  
Date well started JUNE 19, 1972  
completed JUNE 27, 1972

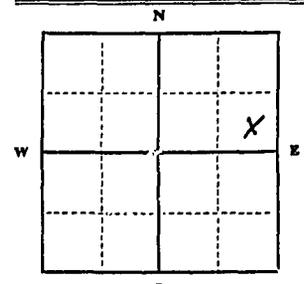
For Administrator's Use  
File 425043  
July 11, 1972 1:55 p.m.  
GW 1

Type of well DRILLED  
(Dug, driven, bored or drilled)  
Equipment used CABLE TOOL RIG  
(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 EXCEEDING 900,000 GALLONS

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
<u>8 1/2"</u>	<u>6 1/8" O.D. 188 WALL 13# PER FOOT</u>	<u>14 INCHES ABOVE GROUND LEVEL</u>	<u>196 1/2</u>	<u>(NO PERFORATIONS)</u>	<u>WATER COMING IN THRU BOTTOM OF DRIVE SHAFT AT 196 1/2 FOOT LEVEL</u>	



Static water level 121 ft.\*  
Pumping water level 184 ft.\*  
at 6 1/2 gallons per minute, measured 100 minutes after pumping began.

\*Measured from ground level.  
Well developed by BAUER for 8 hours.  
Power..... Pump..... HP

Remarks: (Gravel packing, cementing, packers, type of shutoff) WELL ENLARGED TO 8 1/2" DIAMETER TO TOP OF WATER-BEARING STRATA. HOLE ENLARGED OPPOSITE WATER-BEARING STRATA BY ALLOWING FORMATION TO SLUFF. WASHED GRAVEL TAKEN PLACED IN DOME AND ON OUTSIDE OF CASING BACK TO APPROX. 85 FOOT LEVEL. CRUSHED GRAVEL PLACED FROM 85 FT BACK TO 85 FT. FILL DIRT + DRILLING AND FILLED BACK TO 75 FT. CEMENT PACKING PLACED ABOVE 15 FOOT LEVEL

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

Driller's Signature Robert Quinn - Hi-Line Drilling Service  
Driller's Address 1173 6th St. N Phone 265-4210  
HAVER, MONTANA 59501 LICENSE NO. 46

Top of Ground (Elev. above sea level)	
From (Feet)	To (Feet)
<u>0 TO 2</u>	<u>SOIL</u>
<u>20</u>	<u>GRAVELLY BROWN CLAY</u>
<u>29</u>	<u>BROWNISH-GREY GRAVELLY CLAY</u>
<u>35</u>	<u>GRAVELLY GREY CLAY</u>
<u>36</u>	<u>BOULDER</u>
<u>47</u>	<u>GRAVELLY GREY CLAY</u>
<u>57</u>	<u>BROWN SAND (DRY)</u>
<u>73</u>	<u>GREY CLAY - FRAGMENTS OF SHALE</u>
<u>82</u>	<u>SANDY GREY CLAY</u>
<u>121</u>	<u>GREY CLAY - GRAVELLY - OCCASIONAL SHALE BOULDER</u>
<u>186</u>	<u>PREDOMINATELY GREY CLAY'S GRAVELLY AT TIMES</u>
<u>187</u>	<u>BOULDER</u>
<u>193</u>	<u>GRAVELLY GREY CLAY</u>
<u>194</u>	<u>BOULDER</u>
<u>196</u>	<u>SANDY GREY CLAY</u>
<u>197</u>	<u>GREY SAND, SHARP GRAVEL &amp; CONSIDERABLE AMOUNT OF MARINE SHELL. WATER BEARING STRATA ALSO LADEN WITH CLAY PARTICLES + SHALE FRAGMENTS MAKING IT DIFFICULT TO CLEAR WATER. STRATA DAMED OUT AND ARTIFICIALLY GRAVEL-PACKED. WATER CLEARED</u>
<u>NOTE: FORMATION BELOW 197 FOOT LEVEL IS CLAGGETT SHALE</u>	

196 1/2 Show exact depth of bottom

50,883

425043

BIG "G" GRAIN FARMS

TO

THE PUBLIC

WATER WELL

STATE OF MONTANA, )  
COUNTY OF HILL )  
Filed at 1:55 o'clock P.m.

JUL 10 1972

R. E. Blom  
COUNTY CLERK  
By David E. Day  
DEPUTY

Fee: \$2.00 pd.

INDEXED

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

TWP 30<sup>N</sup> RGE 8 E  
COUNTY Nice

12

DUPLICATE

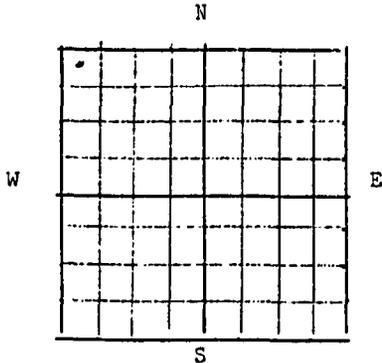
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 4 1963

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

STATE ENGINEER

1. Edwin M. KAREY SOLUM, of Inverness  
(Name of Appropriator) (Address) (Town)  
County of Bele, State of Montana  
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



NW 1/4 Sec 12 T 30 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  
Homehold & cattle & irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
1910 (irrigation use)
4. The amount of groundwater claimed (in miner's inches or gallons per minute)  
2500
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
\_\_\_\_\_
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
\_\_\_\_\_
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
\_\_\_\_\_
8. The depth of water table  
\_\_\_\_\_
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
\_\_\_\_\_
10. The estimated amount of groundwater withdrawn each year  
\_\_\_\_\_
11. The log of formations encountered in the drilling of each well if available  
\_\_\_\_\_
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record  
\_\_\_\_\_

Signature of Owner Edwin Solum

Date 12-2-63

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.

396289

EDVIN OR KAREN SOLUM

TO

THE PUBLIC

DECLARATION OF VESTED GROUND  
WATER RIGHTS

STATE OF MONTANA  
COUNTY OF HILL  
Filed at 11:30 o'clock Am

ON 11 2 1963

R. E. Blom

COUNTY CLERK

Fee: \$2.00 pd.

ON

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

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

T. 30 N. R. 8

DUPLICATE

County Hill

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 7

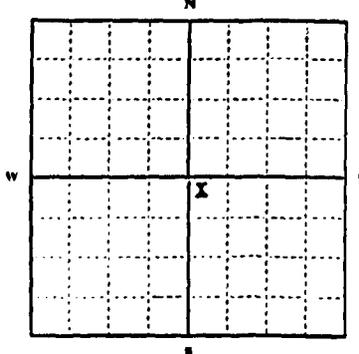
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. James Beranek, of Ingersoll, Mont.  
(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:



SE 1/4 Sec 3 T.30 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  
Household and stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
November 1954. Used daily.

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  
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  
Submersible pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
No record of exact dates kept, about Oct. during October 1954.

8. The depth of water table  
180 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
Drilled well, 405 feet deep, 5 and 5/8th inch casing.

10. The estimated amount of groundwater withdrawn each year  
250,000 gal.

11. The log of formations encountered in the drilling of each well if available  
No log kept when drilled.

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 James Beranek  
Date 24 December 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.

26552

356020

JAMES R. DAVIS

TO

THE PUBLIC

IN TESTAMENTARY WILLS AND OTHER  
MATTERS RELATIVE

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

APR 27 1963  
H. B. Blum  
COUNTY CLERK

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

Fees: \$2.00 pd.





GW

31

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

T. 30N 8E

DUPLICATE

County Hill

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

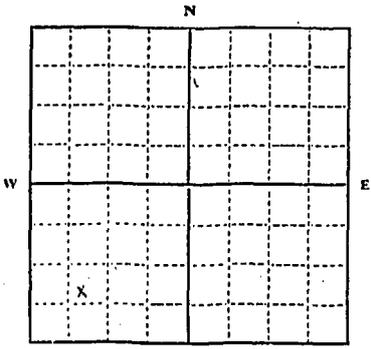
RECEIVED  
JAN 13 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Charles W. Han, 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:



SW SW 31 30 8  
1/4 Sec. T. P.

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 domestic and livestock
- Date or approximate date of earliest beneficial use; and how continuous the use has been July 1946 and continuous used
- The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gal per min.
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof lawn & trees
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 1946
- The depth of water table 200 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 6 in casing 260 ft deep
- The estimated amount of groundwater withdrawn each year 700,000 gal
- The log of formations encountered in the drilling of each well if available not available
- Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Charles W. Han  
Date 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.

31188

397130

CHARLES D. HAN

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

*[Signature]*  
\_\_\_\_\_  
DEPUTY CLERK  
DEPUTY

FEE: \$2.00 pd.



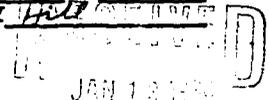
GW-4  
FILE NO. \_\_\_\_\_

*Duplicate*

TWP 30 N R9 E  
COUNTY Hill

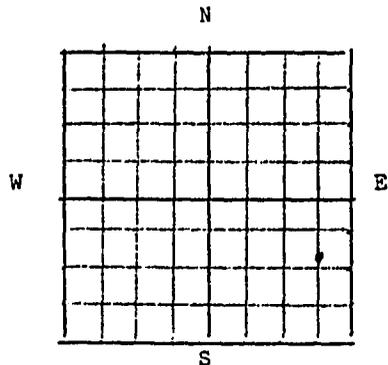
27

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. Minnie C. Turcott, of Bridgeland  
(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 & SE Sec 27 T30 R9

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 use & Stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1916 or used continuously since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 GPM
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 Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1916
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 Dug well about 8' in diameter 24' deep
10. The estimated amount of groundwater withdrawn each year 20,000 gallons
11. The log of formations encountered in the drilling of each well if available none
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner Minnie C. Turcott

Date Dec 30, 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.

397077

HURD C. BART

TO

THE PUBLIC

BY CLERK OF DISTRICT COURT  
GENERAL AND RIGHTS

STATE OF MONTANA )  
COUNTY OF HILL ) ss.  
Filed at 9 o'clock a.m.

ON DEC 11 1963

*H. Blain*

COUNTY CLERK

DEPUTY

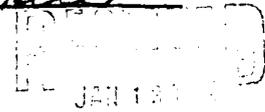
FEES: 2.00 pd.



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

TWP 30<sup>N</sup> RGE 10<sup>E</sup>  
COUNTY Hell

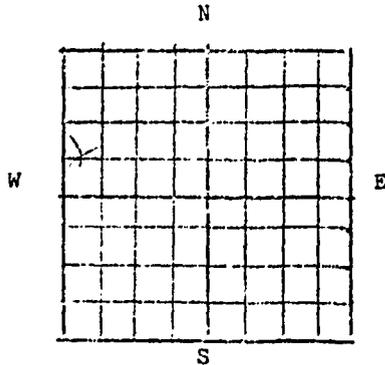
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER



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

STATE ENGINEER

1. Steve Welch, of Hingham  
(Name of Appropriator) (Address) (Town)  
County of Hell, State of Montana  
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:



SW NW Sec 5 T30 R10

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  
1948 - 8 mo. per yr.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 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.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
Shedder pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
1948
8. The depth of water table 75'
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
4" - 10'
10. The approximate amount of groundwater withdrawn each year 875,000
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 Steve Welch

Date 12-30-63

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.

31037

396966

ST. V. ...

TO

THE PUBLIC

DECLARATION OF VESSED  
FRANCHISE RIGHTS

STATE OF ...  
COUNTY OF ...  
*[Handwritten signature]*

DATE ... 1966  
*[Handwritten signature]*  
W. ...

RE: \$2.00 pd.

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4072

File No. ....

T 30 R 10 F 10

DUPLICATE

County **Bill**

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JUL 6 1964

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner: **John Alex** Address: **Ringham Montana**

Driller: **Edward Label** Address: **Gilford, Montana**

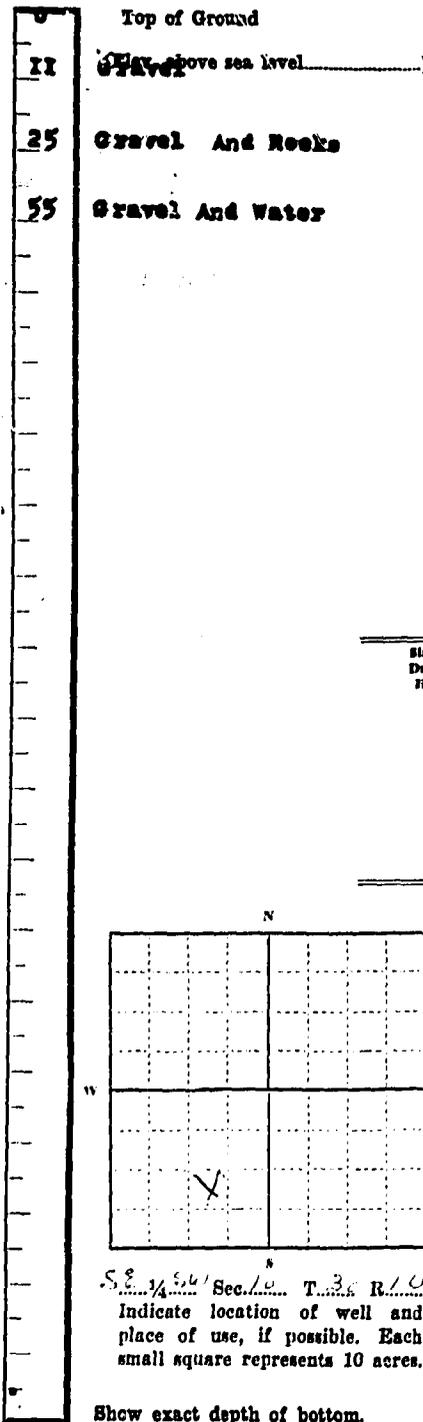
Date of Notice of Appropriation of Groundwater: **June 1**

Date well started: **June 1** Date Completed: **June 4 1964**

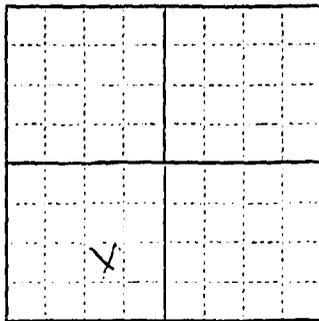
Type of well: **Dressed** Equipment Used: **Dress**  
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

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)
				7 00	0	55



S.E. 1/4 Sec. 10 T. 38 R. 10  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well..... **47** feet.

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

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

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

How Tested..... Length of Test.....

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

Driller's License Number

Driller's Signature *Edward Label*

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.

32247

0 11 22 22

Document No. 399365

JOHN ALEX  
TO  
THE PUBLIC

NOTICE OF COMPLETION OF  
GROUNDWATER APPROPRIATION BY  
MEANS OF WELL

STATE OF MONTANA, )  
COUNTY OF HILL )  
Filed at B. o'clock m.

ON JUL 1 1964

R. E. BLOM  
COUNTY CLERK

Fee: \$2.00 pd.