

File No. _____

T. 30 R 37

DUPLICATE

County Valley

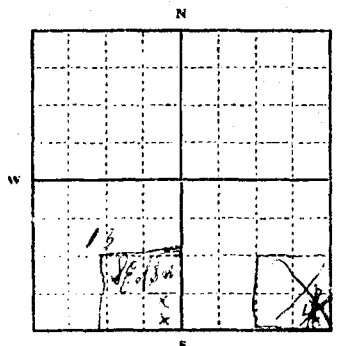
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

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



SE 1/4 Sec. 13 T.30 R.37

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 use and stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1925 continuous to 1964

4. The amount of groundwater claimed (in miner's inches or gallons per acre-foot) obtain all of it

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 from 1925 to 1948

8. The depth of water table I have hit water at 20 to 35 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 house well 35 ft dug drilled
stock water well 20 ft dug

10. The estimated amount of groundwater withdrawn each year 10,400 gallons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 to the west of my property there is nothing recorded

Signature of Owner

Larset JohnsonDate 7-11-64

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.

26667

439419

18742

STATE OF MONTANA }
County of Valley }
JAN 6 1964

MARY LOU LEE Clerk & Recorder
Valley County

File No.

T. 32 R. 37

DUPLICATE

County. Valley

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

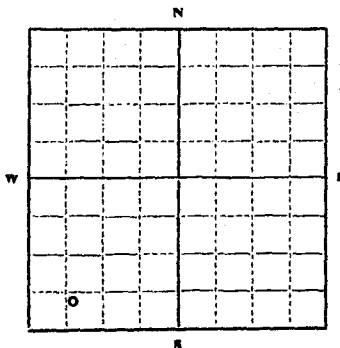
RECEIVED

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Great Northern Railway Company of 175 E. 4th St., St. Paul, Minnesota
(Name of Appropriator) (Address) (Town)
County of Valley State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 SW 1 Sec. 15 T30N R. 37E

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

Location of Well at
Vandalia

(see reverse side for location of other four wells)

2. The beneficial use on which the claim is based. Railroad
purposes
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. March 4, 1918
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 200 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.
N/A
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Wells at Vandalia, Glasgow, Nashua, Frazer and Oswego
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. February 26, 1918 - March 4, 1918
8. The depth of water table. Static level - 28'
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" drilled well - 83' deep - cased to 79'
10. The estimated amount of groundwater withdrawn each year. 200,000 gallons
11. The log of formations encountered in the drilling of each well if available. See attached log sheet.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. Well at Frazer not presently being used.

GREAT NORTHERN RAILWAY COMPANY

Witnessed By: [Signature]
Superintendent of the Butte Division
Date: March 2, 1922

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.

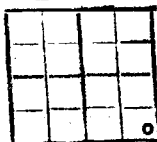
NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18 T28N R14OE



Location of Well at
Glasgow

3. May 23, 1946
4. 60 GPM
7. April 23, 1946 - May 23, 1946
8. Well flows at 10 GPM
9. 8" 6" drilled well - 325' deep - cased to 216' with 8" - 165' of 6" inside 8" to bottom.
10. 1,000,000 gallons
11. See attached log sheet.

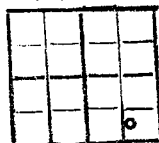
SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 28 T27N R14E



Location of Well at
Frazer

3. N/A
4. N/A
7. N/A
8. N/A
9. 24" Well - 35' Deep - At stockyard
10. 200,000 gallons
11. See attached log of test holes in section grounds.

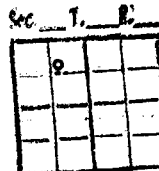
SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 36 T28N R14E



Location of Well at
Nashua

3. N/A
4. N/A
7. N/A
8. N/A
9. 27" Well - 35' Deep - Curbed with Vit. Pipe
10. 200,000 gallons
11. N/A

NE $\frac{1}{4}$ NW $\frac{1}{4}$ 35 T27N R15E



Location of Well at
Oswego

3. July 1960
4. 10 GPM
7. Completed in July 1960
8. Static level - 22'
9. 6" drilled well - 75' deep - cased 60' 6".
10. 200,000 gallons
11. See attached log sheet.

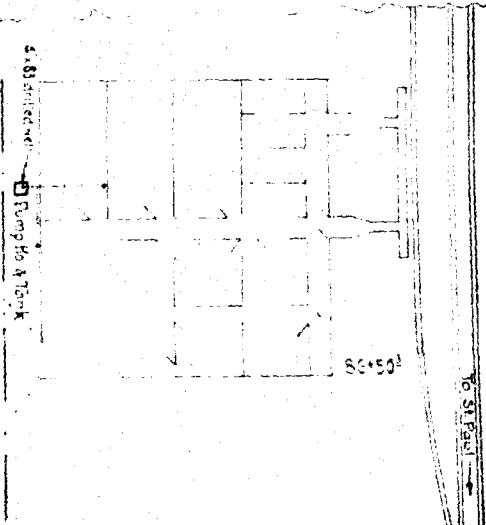
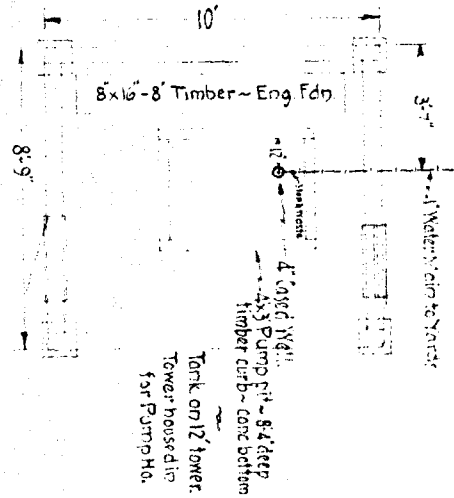
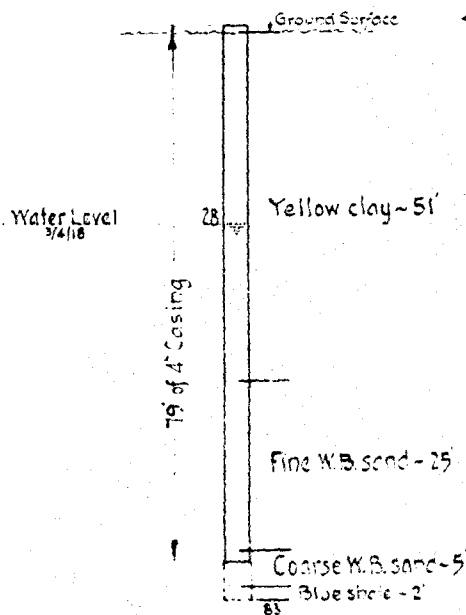
VANDALIA, Mont.

APE-5790

Log of 4"x83' drilled well put down at
Stackyards by Ry. Co. force and machine.
Water level was at 28' below Surface and
did not lower when pumping 200 G.P.M.

Work started 2/26/18 and finished 3/4/18.

B.M. Station. Asst. Eng. W.S.



Eng. Water Service

ID-1200-148

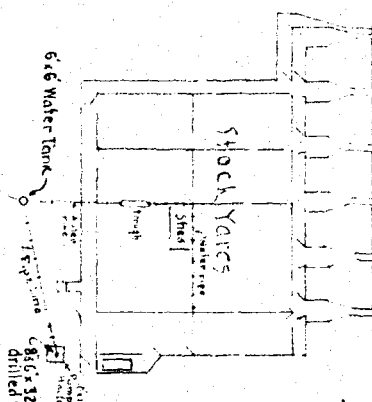
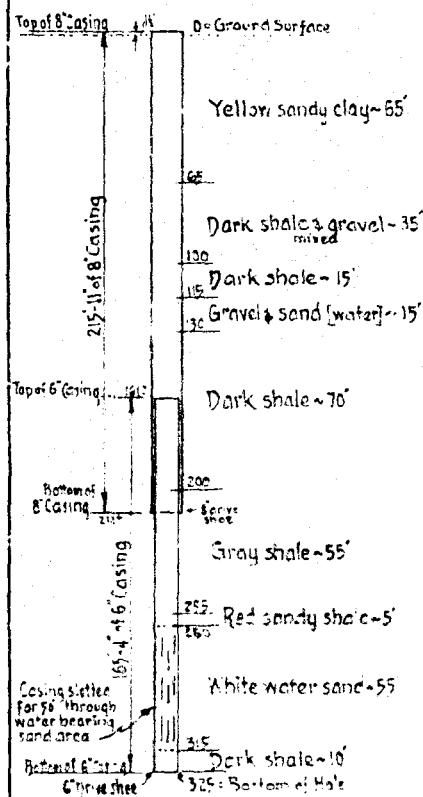
For other Wells see Logs 19-1200-47, 130 & 146

~ Glasgow, Mont. ~
~ Afe 71701 ~

Log of 8" x 6" x 325' drilled well put down at Stock Yards
by R.E. Barker, under contract dated Apr. 17, 1946.

Well flows 10 GPM and when pumped delivers 60 GPM,
with drawdown of 30 ft.

Work begun Apr. 23rd and Completed May 23rd 1946.



~ Location Sketch ~
Scale 1" = 100'

Analysis of Water from 8" x 6" x 325' drilled well
~ In grains per US Gallons ~

Total Dis. Solids	~ 145.8
Hardness	~ 1.2
Alkalinity	~ 47.0
Sulphate Hardness	~
Sodium Carbonate	~ 45.8
Alkali Salts	~ 144.6

Eng. Water Service

19-1200-201

NASHUA, Mont.

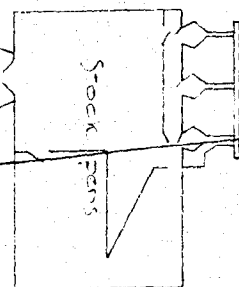
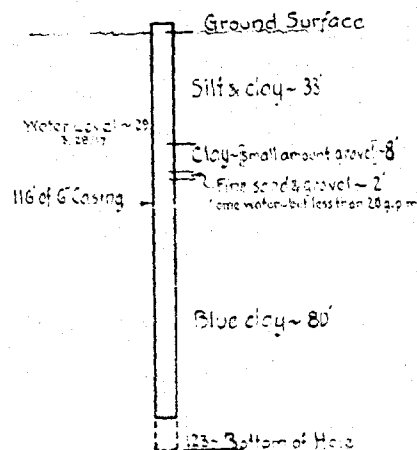
AFE 3205 - Year 1895

Log of 6"x123' test hole put down by
McCarthy Well Co. under Cont. #6561 -
dated 10/21/16.

Insufficient water for locomotive supply
but O.K. for stockyard (CHK. 8/16/17)

At depth 41'-43' less than 20 g.p.m. was obtained,
and test between 43'-75' showed but 200 g.p.h.

Work begun 3/25/17 & stopped 5/3/17.



25530+582
(water surface shows 152')

Location sketch -
see p. 1

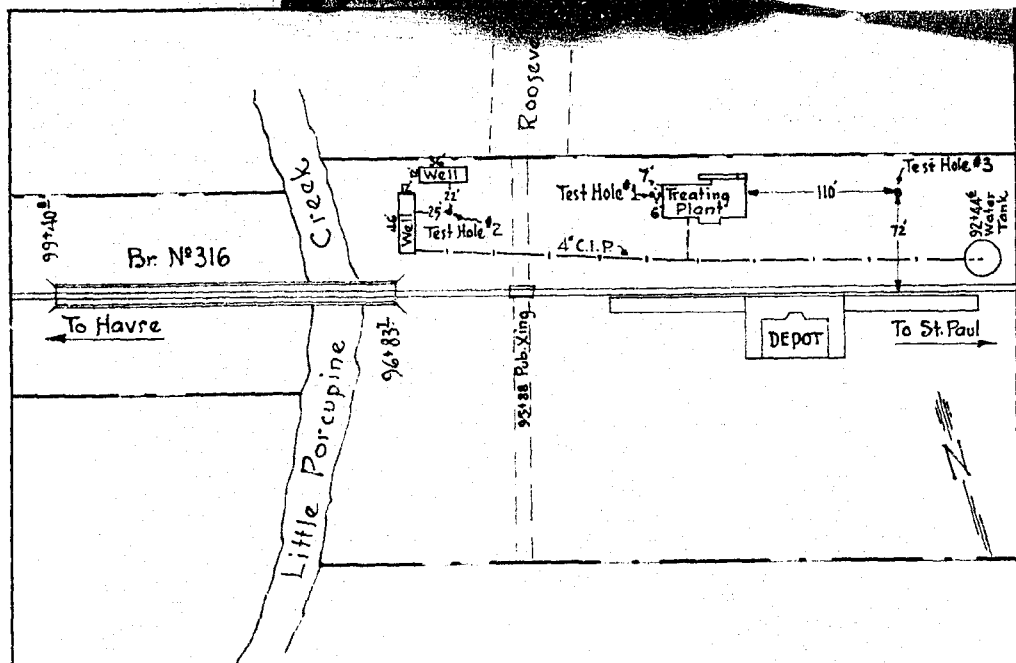
To St. Paul

Depot

6" Test hole 123' deep.

Eng. Water Service

10-1200-147



~ Log of Test Holes ~

Test Hole # 1	Test Hole # 2	Test Hole # 3
0 to 5~Clay & sand	0 to 10~Clay & sand	0 to 6~Sandy clay
5 to 26~ Gravel	10 to 29~ Gravel	6 to 23~ Gravel
26 to 95~ Blue clay	29 to 47~ Blue clay	23 to 43~ Blue Clay
	47 to 100~ Shale	43 to 100~ Shale

~ Frazer, Montana ~

~ Sketch showing location of Test Holes ~

put down by
Ry. Co. Force & Machine ~

C.M. Wick, driller

Engr. Water Service ~ Apr 1942

1D~1200~188

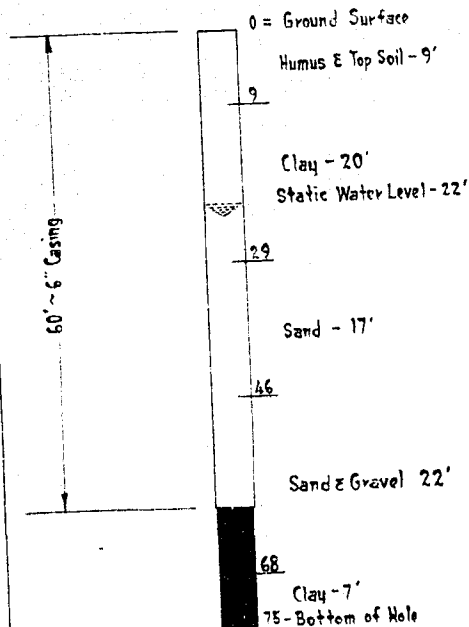
OSWEGO, MONT.

Afe 60-318

Well drilled by Dodd Drilling Co., Wolf Point, Mont.

- Contract -

Drilling completed: July 1960
Water stands at 22' with 23" drawdown at 10 P.M.



24280

Oil Tank

TO. 54 100 5

8" 6" W.C.

15

TO 6.5280M



Ind. Platform

Sept

Scale No.

Scale

24283 + 263 d Well

175 E So.

STOCK

YARDS

Pipe in fence

100'

35'

14'

14'

14'

14'

14'

14'

14'

14'

14'

14'

14'

14'

14'

14'

14'

14'

14'

14'

14'

14'

14'

14'

Engineer Water Service

ID-1200-341

132125

Journal of Management Studies, 19(1), 67-80.

4.00

Wm. L. Hall

Section 10.2.2

File No.

T. 30N R. 37E

DUPLICATE

County Valley

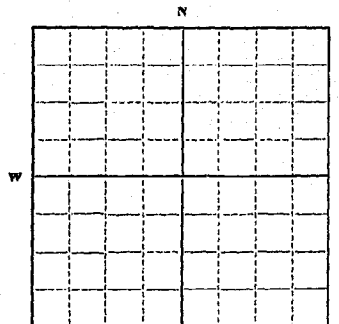
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUN 15 1963

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

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



Lot 11, McKay Addn to Dandalia
in SE 1/4 Sec. 16 T30R37

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

2. The beneficial use on which the claim is based Household
and Lawn
3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been 1957 and ever
since then.
4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 4 gal.
5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal.
Hand pump on lots 11-12
McKay add. Dandalia, Montana
7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater.
FEB 10, 1957 - FEB 25, 1957
8. The depth of water table 35 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.
35 ft. 4 in. well casing & hand pump
10. The estimated amount of groundwater withdrawn each year 10950 gal
11. The log of formations encountered in the drilling of each well if available.
I have no log of formation but it is fine
gravel and sand. I have a 4.8 in sand point on
the bottom
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record. Recorded in Book 42 of Deeds
Page 166. This is lots 11-12 in the McKay add.
in Dandalia Montana

Signature of Owner Morris MaenDate June 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.

435441

17790

STATE OF MONTANA, } ss.
County of Valley.

Filed for record

JUN 17 1963

at 10:00 o'clock P.M.
Mary Lou Bader
County Recorder
By Pauline J. Jackson Deputy

0

Approved Stock Form—State Publishing Co., Helena, Montana—39089

File No.

T. 30 R. 37

DUPLICATE

County VALLEY

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

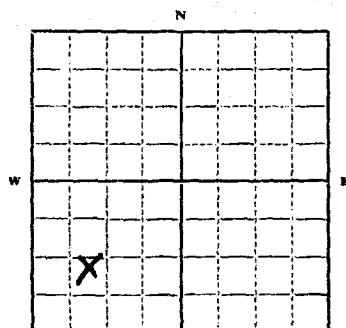
JUN 24 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. JAMES W. MONTFORT, of SANDALIA
(Name of Appropriator) (Address) (Town)
County of VALLEY State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec. 36

N 1/4 L 6 Sec. 31 T. 30 R. 37

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
GARDEN + HOUSEHOLD

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been. 1945 CONTINUOUS

4. The amount of groundwater claimed (in miner's inches or gallons
per minute). 20 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
GARDEN + YARD 1/4 ACRE

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

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater. JUNE 1945

8. The depth of water table. 45 - 60

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

5" CASING - 60 FT. STD PUMP 3" CYL.

10. The estimated amount of groundwater withdrawn each year. 1,200,000

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

GRAY WATER SAND 40-60 FT

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

Signature of Owner

Date 12-23-63

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.

438648

18146

RECEIVED
FBI - NEW YORK
DEC 20 1963

DEC 20 1963

8:00 P.M.
MARY LOUISE CLEGG, Recorder
Valley County
Butler, Jackson

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 LARSEN JOHNSON

Address VANDALIA MONT

Date well started 6-30-71

completed 7-3-71

Type of well drilled

Equipment used CHURN

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

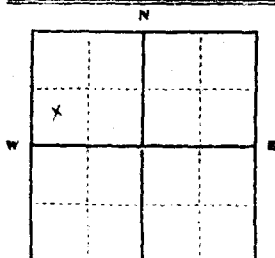
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
5"	4 1/2" ID Galv 6 3/4" LB.	Top	120	Kind Size	From (Feet)	To (Feet)



Static water level 82 ft.
Pumping water level 42 ft.
at 10 gallons per minute,
measured minutes after pumping
began.

*Measured from ground level.
Well developed by BAKING
for 2 hours.

Power Pump HP

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

Lot 4 Sec. 24
T. 36 N. R. 37 E.
5 W

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

Driller's Signature Rodrick Erickson

Driller's Address Sho Co MONT

LICENSE NO. 220

County Valley 24

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) 2100

From (Feet)	To (Feet)	
0	40	Brown Sandy Clay
40	89	Blue Sandy Clay
89	114	Blue Clay
114	120	Gravel Sand water

120 Show exact depth of bottom

49,782

20607

STATE OF MONTANA }
County of Valley }
Filed for Record

JAN 20 1972

1:45 P.M.
Myron Landwehr
County Recorder
Wendell White Deputy

23

File No.

JUN 28 1966

T. 30 R. 37

DUPLICATE

 Bills _____
 Butcher _____
 Coyne _____
 Doherty _____
 Dickson _____
County Valley

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

LOG

Top of Ground

(Elev. above sea level 2020)

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

(Under Chapter 237, Montana Session Laws, 1961)

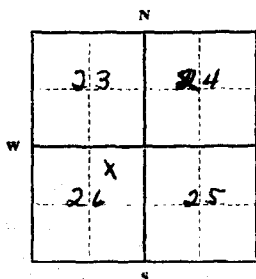
Owner DENNIS Wright Address VandaliaDriller Carl Palm Address Saco

Date of Notice of appropriation of groundwater _____

Date well started 6/23 Date completed 6/23/66Type of well drilled Equipment used Churn
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)
 Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
 Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5"	4 1/2" 30 C/LV C:7520	To	32			

Static Water Level for non-flowing well 28 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 27 feet
at 10+ gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested peelingLength of Test 1 1/2 hr

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

NE 1/4 NE 25 T. 30 R. 37

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

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

Driller's License Number

Driller's Signature

4/178

M 19551

STATE OF MONTANA, } ss.
County of Valley. }
Filed for record

JUN 27 1966

at 10:45 o'clock A. M.
Mary Ann Fisher
County Recorder
Marilyn H. Hays Deputy

File No.

T. 30 R. 37

DUPLICATE

valley

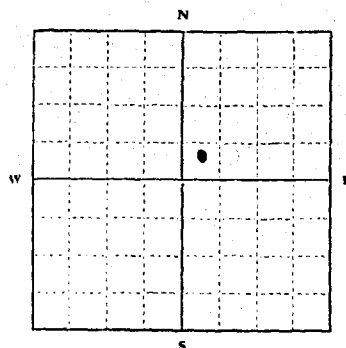
County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. James and Elisabeth Drummond, of 318 s3 9th Bozeman
(Name of Appropriator) (Address) (Town)
County of Gallatin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 27 T. 30 R. 37

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 stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1909 continuous
domestic intermittent stock
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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
none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
hand pump and windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater redrilled 1926
8. The depth of water table unknown
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 70ft deep 6" casing
10. The estimated amount of groundwater withdrawn each year 130,000 gal none
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 none

Signature of Owner

Date 12-28-63

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.

33776

18760

STATE OF MONTANA 35.
County of VAL D.

Subscribed and sworn to before me this
JAN 20 1964

8.00
Mary Lee Ford

File No.

T. 30 R. 37

DUPLICATE

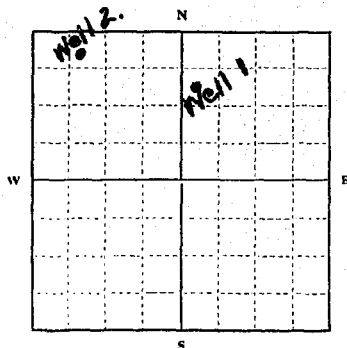
County Valley

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Elizabeth Drummond, of 318 So. 9th Bozeman, Montana
(Name of Appropriator) (Address) (Town)
County of Gallatin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N. &
NE 1/4 Sec. 28, T. 30 R. 37

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 stock irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been continuous--approx 1913
4. The amount of groundwater claimed (in miner's inches or gallons per minute) domestic and stock 5 gal/min irrigation 40 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 approx. 20 acres hay and crop land same owner
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal windmill, irrigation ditch from Buffalo Coulee

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Well No 1. 1913 Well No. 2 Unknown
Irrig. water used from time land patented
8. The depth of water table unknown
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well No. 1 175ft. depth 6" casing
Well No 2 unknown depth 6" casing
10. The estimated amount of groundwater withdrawn each year 30,000 gal
11. The log of formations encountered in the drilling of each well if available unknown
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record unknown

Signature of Owner

Elizabeth Drummond

Date 7-28-63

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.

33780

18762

STATE OF MONTANA
County of Valley

Witness my hand
JAN 29 1964

8:00 AM
Mary Lee Gadsden

File No.

DUPLICATE

T. 30 R. 37

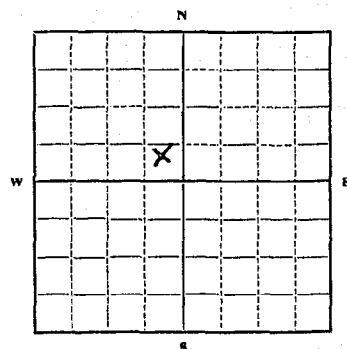
County VALLEY

RECEIVED
DEC 30 1963STATE 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. JAMES W. MONTFORT, of VANDALIA
(Name of Appropriator) (Address) (Town)
County of VALLEY State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

SE 1/4 NN Sec. 30 T. 30 R. 37

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. 1948 CONTINUOUS
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 20 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.
- NOT -
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
STD PUMP 4 MTR.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. OCTOBER 1948
8. The depth of water table. 70 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. 98 FT - 4" CASING STD PUMP 3" CYL.
10. The estimated amount of groundwater withdrawn each year. 400,000 GAL.
11. The log of formations encountered in the drilling of each well if available. JUDITH RIVER FORMATION SANDSTONE
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner

Date. 12-23-63

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.

438649

18147

STATE OF MONTANA, } ss.
County of Valley.

Filed for record

DEC 24 1963

8.00 - check *h* M.
MARY LOU FINE, Clerk & Recorder
Valley County

Pauline Peterson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

Developed After January 1, 1962

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

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 may be returned.

For Administrator's Use

File 20478
MAR. 12, 1971
2:00 PM

GW 1

Department of State Lands & Investments
Owner State of Montana, Ted Schweiden, Commissioner

Address Helena, Montana

Contractor (if any) Not applicable

Address of Contractor N.A.

Date Started N.A. Date Completed N.A.

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) Sub-irrigation

2. Means of withdrawing water (gravity, pump, canal, etc.) plant growth

3. Depth of water table 7' to 16'

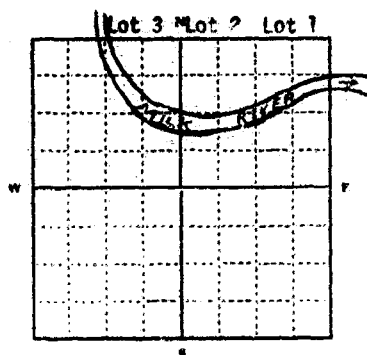
4. Use of the water Sub-irrigation of hay and crops

5. Amount of groundwater claimed (in miner's inches or gallons per minute) N.A.

6. If used for irrigation, give number of acres and description of land 60 acres sub-irrigation, Lots 1,2,3, Sec. 16-T30N-R37E

7. Estimate amount of water used each year 90 acre feet

8. Months of year spring flows not applicable



Lots 1,2,3.
..... 1/4 Sec. 36

T. 30 N R. 37 E
S W

INDICATE POINT OF APPROPRIATION
AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or esti-

mated Lots 1,2,3, Sec. 16-T30N-R37E

Place of use same as point of
appropriation.

Signature of Owner

Ted Schweiden

Date

March 10 - 1971

20478

STATE OF MONTANA } ss.
County of Valley
Filed for Record

MAR 12 1971

at 8:00 o'clock A.M.
By *Mary Lou Eide* County Recorder
By *Pauline Jacobson* Deputy

Office of

MARY LOU EIDE

CLERK & RECORDER

MARILYN WEITZEL, Deputy

PAULINE JACOBSON, Deputy

March 12, 1971

Gentlemen:

We have been informed by the Department of State Lands that there was an error in the legal description in a groundwater appropriation we filed on March 12th.

Kindly find attached copy of the appropriation with the corrected description. It should read Section 16 in all cases and not 23rd.

County.....Valley.....

16

R CODE

WARD

PROPRATION WITHOUT WELL

62

661, as amended)

ver.

recorder of the county in which the works

we form may be returned.

: State Lands & Investments
ana, Ted. Schnaden, Commissioner
ntiana.....

Office of

MARY LOU EIDE

CLERK & RECORDER

MARILYN WETZEL, Deputy

PAULINE JACOBSON, Deputy

March 18, 1971

Gentlemen:

We have been informed by the Department of State Lands that there was an error in the legal description in a groundwater appropriation we filed on March 12th.

Kindly find attached copy of the appropriation with the corrected description. It should read Section 16 in all cases and not Section 36 as appeared twice in the appropriation.

Sorry for the inconvenience this may have caused you.

Truly yours,

Mary Lou Eide by her
Mary Lou Eide
Valley County Clerk & Recorder

County.....Valley.....

R CODE

JARD

PROPRIATION WITHOUT WELL

62

961, as amended)

1er.

ecorder of the county in which the works

ie form may be returned.

State Lands & Investments
ana, Ted Schwinden, Commissioner

ntana

Not applicable

N.A.

Date Completed N.A.

obtaining groundwater (as by sub-irrigation,

eins, etc.) Sub-irrigation

ig water (gravity, pump, canal, etc.)
rowth

7' to 16'

Sub-irrigation of hay and crops

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 90 M.I.

6. If used for irrigation, give number of acres and description of land 60 acres sub-irrigation, Lots 1,2,3,

Sec. 16-T30N-R37E

7. Estimate amount of water used each year 90 acre feet

8. Months of year spring flows not applicable

Lots 1,2,3,

1/4 Sec. 16

T 30 N R 37 E

INDICATE POINT OF APPROPRIATION
AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or esti-

mated Lots 1,2,3, Sec. 16-T30N-R37E

place of use same as point of
appropriation.

Signature of Owner

Date

March 10-1971

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

Developed After January 1, 1962

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

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

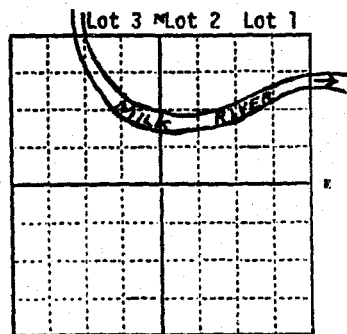
Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

For Administrator's Use

File

GW 1



Lots 1,2,3,

1/4 Sec. 16

T. 30 N R. 37 E

INDICATE POINT OF APPROPRIATION
AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or esti-

mated Lots 1,2,3, Sec. 16-30N-37E

place of use same as point of
appropriation.

Department of State Lands & Investments
Owner State of Montana, Ted Schwinden, Commissioner

Address Helena, Montana

Contractor (if any) Not applicable

Address of Contractor N.A.

Date Started N.A. Date Completed N.A.

1. Describe means of obtaining groundwater (as by sub-irrigation,
developed spring, drains, etc.) Sub-irrigation

2. Means of withdrawing water (gravity, pump, canal, etc.)
plant growth

3. Depth of water table 7' to 16'

4. Use of the water sub-irrigation of hay and crops

5. Amount of groundwater claimed (in miner's inches or gallons
per minute) 90 M.I.

6. If used for irrigation, give number of acres and description
of land 60 acres sub-irrigation, Lots 1,2,3,
Sec. 16-T30N-R37E

7. Estimate amount of water used each year 90 acre feet

8. Months of year spring flows not applicable

Signature of Owner

Date

Ted Schwinden

March 10 - 1971

GROUNDWATER INDEX

Page of

County Valley Twp. 30 N Rge. 38 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
6	Wagner, E. O.	Well log	H15H27	
6	Wagner, Erven O.	GW H	H36089	
6	Wagner, Guy & Ervin	GW 2	H36933	
9	Dept. of Highways	2	20728	
9	Mont. Hwy. Comm.	2	19323	
9	state Hwy. Dept.	2	20108	
11	Cornwall Ranch	GW H	H39234	
11	" " Inc.	H	H39235	
14	Nelson, Morris	H	H39535	
16	Cornwall Ranch, Inc.	H	H39231	
16	" " "	H	H39239	
18	Johnson, Loret	GW 2	H75H84	
19	Drummond, James and Elizabeth	GW H	18161	
22	Baresan, Ben	H	H38803	
24	" "	H	H38805	
28	" "	H	H38805	
28	Cornwall Ranch, Inc.	H	H39236	
29	Miller, Erwin	GW 2	18796	
29	Pice, CLIFF	GW H	H38735	
29	Schneider, Walter F.	Well log	H26234	
29	" " "	" "	H26233	
30	" " "	GW 2	20608	
32	Antelope Ranch, Inc.	GW H	H39A45	
32	Etchart Land Co.	H	H38942	
32	" " "	H	H38943	
33	" " "	H	H38944	
33	" " "	GW 2	H37219	
34	Nelson, Floyd & Bertha	GN H	H39024	

RECEIVED

JAN 31 1960

T. 30N R. 38E

County

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner E. O. Wagner Address 664920

Driller Carl Palm Address 5000

Date Started 5/4/60 Date Completed 5/5/60

Location: Sec. 6 T. 30 R. 38 1/4 sec. NE 40 SE 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: Top ft. to 56 ft. Type 1 1/2 in. Size 6 inch

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

Static Water level, for non-flowing well: 10 feet

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

Pumping water level 55 feet at 7 gal. per min

How tested: 5 min

Length of test 1.0 hr

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

(over)

Log of Well

[illegible]

415427

16604

File No.

T. 32 N R. 38 E

DUPLICATE

County Valley

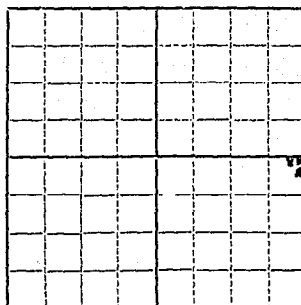
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
Jul 25, 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Erven O. Wagner, of Box 505 Glasgow
(Name of Appropriator) (Address) (Town)
County of Valley State of Mont.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



47828

1/4 Sec. 6 T. 30 R. 38

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 Stock water

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been... April 1928
has all the time.

4. The amount of groundwater claimed (in miner's inches or gallons
per minute)... 50 gals per min in each well

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...
3 different wells

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater... April 1928, July 1955, 1959

8. The depth of water table... 40 ft. dug well 65 drilled

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 40 ft. concrete 30" cased.
Drilled 50' .4" plastic casing
Drilled 70' .6" steel cased

10. The estimated amount of groundwater withdrawn each year... 35,000

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 Erven O. Wagner

Date July 18, 1963

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

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

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

5169

736089

17829

STATE OF MONTANA, } ss.
County of Valley, }
Filed for record

JUL 24 1963

At 4:30 o'clock P.M.
Marshall G. Eide
County Recorder
By Pauline J. Johnson Deputy

File No.

DUPLICATE

T. 30 N. R. 38 E

County Valley

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

OCT 1 1963

Top of Ground

(Elev. above sea level 2230)

0-2 Top Soil
2-8 yellow Clay
8-17 Gravel
17-25 Sandy Clay
25-31 Sandstone
31-43 Clay & Coal
43-65 Sandstone & water

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

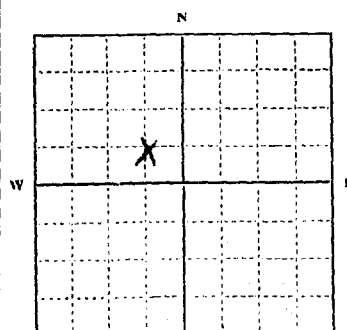
Owner Guy & Edwin Wagner Address GlasgowDriller Carl Palm Address

Date of Notice of Appropriation of Groundwater

Date well started 9/21 Date Completed 9/24/63Type of well Drilled Equipment Used Churn
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☒

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	5 1/2" ID 11 LB PER FT.	Top	65			



SE NW Sec. 2 T30 R38
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 36 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 49 feet at 16 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested by pump Length of Test 2 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)

No. 25
Driller's License Number

Carl A. Palm
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.

6134

436933

17882

STATE OF MONTANA, ss.
County of Valley.

Filed for record

SEP 30 1963

at 10:45 o'clock P. M.

Mary Lou Bide
County Recorder

Robert J. Johnson Deputy

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 Department of Highways

Address Wolf Point, Montana
59201

Date well started 6-13-68

completed 6-18-68

Type of well Drilled

Equipment used Churn

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

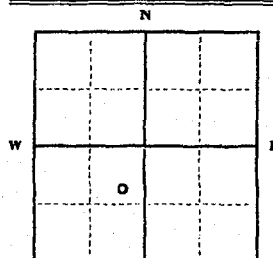
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 365,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	6" 19 lb.	0'	20'			
	4" 10 lb. galv.	20'	195'	1/8 x 6"	180'	195'



NE 1/4 SW 1/4 Sec. 9

T. 30 N. R. 38 E. S. W.

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

Driller's Signature Carl A. Palm

Driller's Address Wolf Point

LICENSE NO. 25

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) 2255

From (Feet)	To (Feet)	
0	7	Clay
7	30	Gravel
30	60	Shale
60	66	Sandstone and water
66	73	Shale
73	77	Sandstone and water
77	90	Shale
90	108	Shale
108	150	Sandy Shale
150	158	Shale and Coal
158	165	Sandy Shale
165	180	Hard shale
180	185	Sandstone and Water
185	187	Shale
187	195	Sandstone and water

Show exact depth of bottom

5/934

20728

STATE OF MONTANA } ss.
County of Valley
Filed for Record

NOV 30 1972

at 11:30 o'clock A. M.
Mary Louise
County Recorder
By Marilyn Deputy

GW 2 Well # 27 ~~4320-01-0010-01-01-02-1650~~ Approved Stock Form- State Publishing Co., Helena, Montana-4232.
File No. ~~4220-01-5310-01-01-02-1650~~ Glasgow West T. 30 N. R. 38 E

DUPLICATE

STATE WATER CONSERVATION BOARD
RECEIVED
SEP 14 1965

County: Valley

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Mont. Hwy. Comm. Address Helena, Montana

Driller Hwy. Mats. Dept. Address Helena, Montana

Date of Notice of appropriation of groundwater Sept. 9, 1965

Date well started Aug. 25, 1965 Date completed Sept. 10, 1965

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

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

Indicate on the diagram met with in drilling, such as depth at which water is encountered and height to which the water rises in the well.

Top of Ground (Elev. above sea level 2225.78')
Hard grey clay.
6.0' Coarse brown gravel.

30.0'
32.0' Brown sandy gravel.
Grey sandy clay.

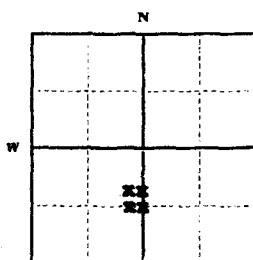
40.0' Grey sticky clay; some lignite.

56.0' Grey sandy clay with lignite.
Hole repacked with 3/8" clean angular rock from 56.0' to 72.0'

72.0' Bottomed hole in grey sandy clay.

Show exact depth of bottom.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" ID 19.88 lb. per ft.	0.00	56.0'	NONE		



34 1/4 Sec. 2 T30N R. 38E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 37.0 feet.

Shut-in Pressure for Flowing Well ---

Pumping Water Level 42.0 feet at 12 gal. per minute.

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

How Tested Pumped

Length of Test 5 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) with 3/8" clean angular rock from 56.0 ft. to 72.0 ft.

(Continue on reverse side)

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

WATER ANALYSIS:

pH 8.0
Hardness 8.0
CO₂ 72 ppm
Phenolphthalein Alkalinity None
Methyl Orange Alkalinity 373 ppm CaCO₃
Total Hardness 285 ppm CaCO₃

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

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

None Required
Driller's Initials Number

Driller's Signature John B. Key Mats. Engr.

19323

STATE OF MONTANA, }
County of Valley, } ss.
Filed for record

SEP 1 1965

o'clock P. M.

Mary Lou K. ...
County Recorder
Sara ... De.

File No.

T. 30N R. 38E

DUPLICATE

MONTANA WATER RESOURCES BOARD

County. Valley

LOG

RECEIVED

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

SEP 20 1968

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

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

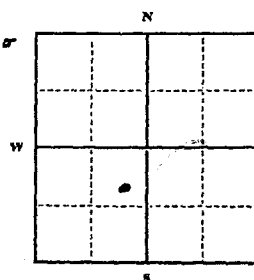
Owner State Highway Dept. Water PointDriller Carl Palm Address Saco

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

Date well started 6/3/68 Date completed 6/18/68Type of well Drilled Equipment used Churn
(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)
8"	6"	TOP	26 FT			
	19 LB 20					
	4"	10 LB 60 to 30	195	1/8 x 6"	180	190

Static Water Level for non-flowing well 43 feet.

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

Pumping Water Level 100 feetat 16 gal. per minute.

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

How Tested PUMPINGLength of Test 24 hr.Remarks: (Gravel packing, cementing, packers, type of shutoff) GravelPacked from 50 FT to 195 between well and casing

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

No. 25

Driller's License Number

Carl A. Palm
Driller's Signature.

44,608

M- 20108

STATE OF MONTANA, }
County of Valley, }
Filed for record

SEP 24 1968

2-50 of 100
Mary Lou Kido
Marilyn White

File No.

T 30 R 38

DUPLICATE

County Valley

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

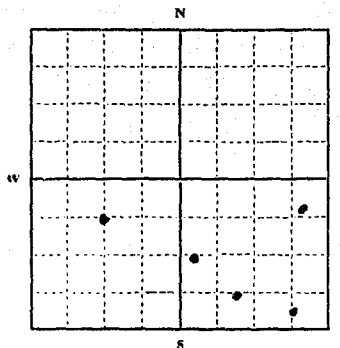
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R

JAN 15 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Cornwell Ranch, of Tanpico
(Name of Appropriator) (Address) (Town)
County of Valley State of Mont.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



5 1/2 Sec. 11, T. 30, R. 38

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 & livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1898
continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 gallons per minute
at each spring
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 natural
flow

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 curbed with corrugated
3' pipe and concrete casing and
plastic pipe for conduit
10. The estimated amount of groundwater withdrawn each year 40,000,000 gallons
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

Cornwell Ranch
Walter Cornwell

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.

37071

18646

DEC 31 1963

WALL

430

...သတ်

File No.

T. 30 R. 38

DUPLICATE

County: Valley

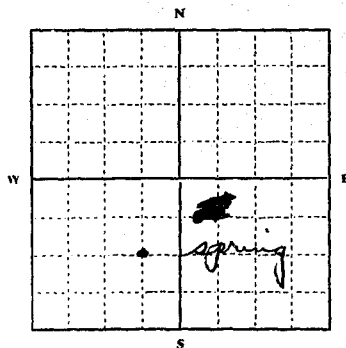
JAN 16 1964

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Cornwell Ranch Inc., of Tampico
(Name of Appropriator) (Address) (Town)
County of Valley State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 11 T. 30 R. 38

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

2. The beneficial use on which the claim is based livestock
water

3. Date or approximate date of earliest beneficial use; and how continu-
ous the use has been 1898

4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 20 gallons 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 loca-
tion of each well or other means of withdrawal natural
flow

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater 1966

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

2" plastic pipe corrugated metal cutting
for conduit

10. The estimated amount of groundwater withdrawn each year 10,000, -00 gallons

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

Cornwell Ranch Inc.
water

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.

37070

439233

18645

DEPT. OF BIOLOGY
University of Valley
P.O. Box 2000

DEC 31 1963

ALABAMA 7-30 1-1

GV.

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

File No.

T. 30 R. 38

DUPLICATE

County: Holley

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

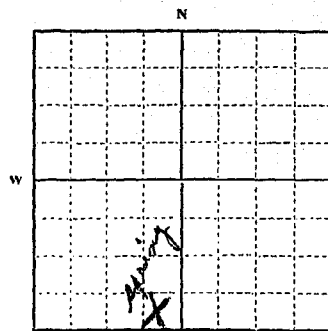
JAN 11 1964

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Morris Milburn, of Glasgow Mont
(Name of Appropriator) (Address) (Town)
County of Waller State of Mont
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 SW Sec 30 T. 30 R. 38

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 household
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1928 then in continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) Depth about 4
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 pressure pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1953
8. The depth of water table 5-7 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 About 4 feet
10. The estimated amount of groundwater withdrawn each year unknown
11. The log of formations encountered in the drilling of each well if available unknown
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None

Signature of Owner Morris MilburnDate Dec 30 1963

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

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

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

31900

438855 18287

STATE OF MONTANA }
County of Valley } ss.
I, Clerk of said County

DEC 30 1963

MARY LOU EIDE Clerk & Recorder
Valley County

File No.

T. 31 R. 38

DUPLICATE

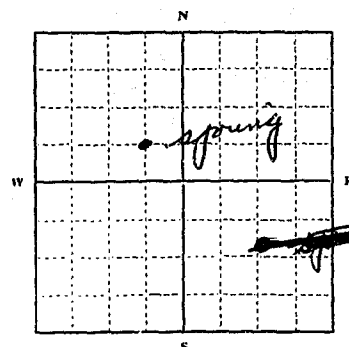
County Valley

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Cornwell Ranch Inc., of Tamperico
(Name of Appropriator) (Address) (Town)
County of Valley State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE NW 1/4 Sec. 16 T. 30 R. 38

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
& livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1920 -
continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
concrete curbing
1" plastic conduit, natural flow
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1910
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 5,000,000
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

Date

Cornwell Ranch Inc.
Walter Cornwell, Inc.
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.

37068

439231

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DEC 3 1963

430
MARTIN LUTHER KING, JR.
V. J. ...

File No.

T 30 N 38 E

DUPLICATE

County Valley

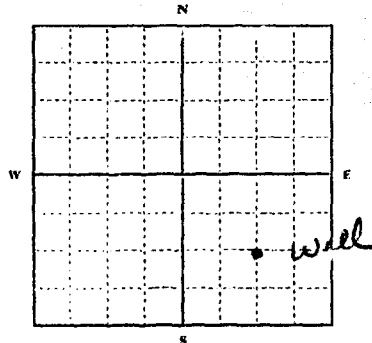
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Cornwell Ranch Inc Tompico
(Name of Appropriator) (Address) (Town)

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



5100 Sec 16 T30 R38

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
1959
annually - for 3 month period
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
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
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
cylinder type pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Dec 1959
8. The depth of water table
15 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
drilled, 4" casing -
pump stand & pumps, electric driven
10. The estimated amount of groundwater withdrawn each year
150,000 gallons
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

Cornwell Ranch Inc
Walter Cornwell Inc

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

37076

439239

18651

OFFICE OF THE
DIRECTOR
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C.

DEC 31 1963

MAIL ROOM

4:30

P

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 LARSEN JOHNSON

Address VANDALIA MONT.

Date well started 6-15-71

completed 6-23-71

Type of well Drilled

(Dug, driven, bored or drilled)

Equipment used CHURN

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

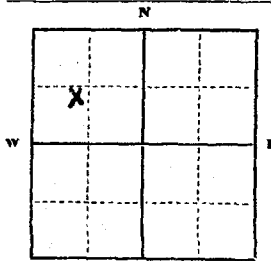
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5"	4 1/2" GALV 6 3/4" LB	Top	60			



SW 1/4 NW 1/4 Sec. 18
T. 30 N. R. 38 E.
S W

Static water level 43 ft.*
Pumping water level 86 ft.*
at 16 gallons per minute,
measured minutes after pumping
began.

*Measured from ground level.

Well developed by backing
for 15 hours.

Power Pump HP

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

OPEN HOLE FROM
60 FT. TO 14 FT.

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

Driller's Signature Carl Olson

Driller's Address Laramie, Mont

LICENSE NO. 205

County Valley 18

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)
0	34
34	50
50	59
59	74

GRAVEL

BROWN CLAY

BROWN SANDY CLAY

SANDSTONE

74 Show exact depth of bottom

48235

475484

20557

STATE OF MONTANA }
County of Valley } ss:
Filed for Record

JUL 12 1971

at 9:55 o'clock A.M.
George T. Smith
County Recorder
By *Paul J. Smith* Deputy

GV

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

File No.

DUPLICATE

30N
T30S R38 E30
County Valley

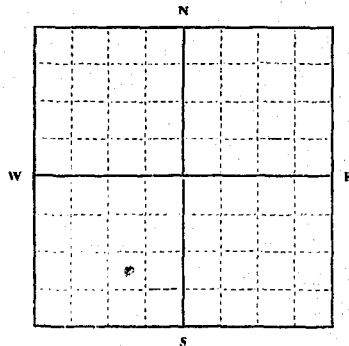
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. James & Elizabeth Drummond, of 318 So. 9th Bozeman
(Name of Appropriator) (Address) (Town)

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



Lot 9
SW 1/4 Sec 19 T.30 R.38

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
stock

3. Date or approximate date of earliest beneficial use; and how continu-
ous the use has been unknown

4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 30,000 gal 5 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 loca-
tion 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 with-
drawal of groundwater unknown

8. The depth of water table unknown

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 depth unknown 6" casing

10. The estimated amount of groundwater withdrawn each year 30,000 gal

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

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

Signature of Owner

Date 2-28-63

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 Quaduplicate for the Appropriator.

33777

18161

UNITED STATES DISTRICT COURT
District of Columbia

Filed for record
JAN 20 1964

8:00 A.
Mary Lee Gandy

File No.

DUPLICATE

T. 30 N. 38 E. 22

County. Valley

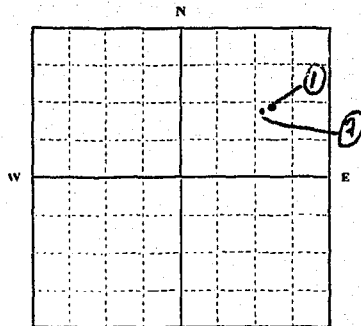
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 16 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ben Boreson of Box 404 Glasgow
(Name of Appropriator) (Address) (Town)
County of Valley State of Mont.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 NE Sec. 22 30 38

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

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

① Household & Stock - ② Live Stock

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

① 1953 continuous

② 1916 - continuous

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

① - 3 gals per minute

② - 5 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.....

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

Piston Pump

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

① - 1953 - ② - 1916

8. The depth of water table.....

① - 150' - ② - 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.....

① Drilled 4 casing 33' deep ① - 2 1/2" cylinder

② Drilled 6" " 130' deep ② - 3" cylinder

10. The estimated amount of groundwater withdrawn each year.....

① 1,000,000 gals. ② 3,000,000

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.....

Signature of Owner Ben BoresonDate Dec 27 - 1963

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

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

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

36874

438803

18259

COUNTY OF VALLEY }
County of Valley }
Filed for record }

DEC 27 1963

By MARY LOU ELLIOTT Clerk & Recorder
Valley County

ON

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

File No.

T. 30 R. 38

DUPLICATE

County Valley

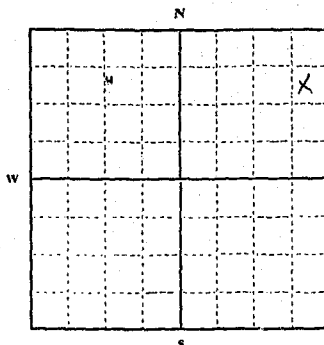
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 16 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ben Boresom, of Box 404 Glasgow
(Name of Appropriator) (Address) (Town)
County of Valley State of Mont.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec 24 T30 R38

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.....
live stock watering

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
1956
Fall watering

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
1956

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

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....
Aug - 14' feet deep - 4 feet casing
3" cylinder - piston pump

10. The estimated amount of groundwater withdrawn each year.....
1000,000 gals

11. The log of formations encountered in the drilling of each well if available.....
17' clay - 3' guss sand - 3' 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.....
.....

Signature of Owner.....
Ben Boresom

Date.....
Dec 27-1963

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

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

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

36876

438805

18261

STATE OF MONTANA
County of Valley
Shiller, David

DEC 27 1963

^{4.00} ^{P.}
MARY LOU LEE Clerk & Recorder
Valley, Montana

By _____

File No.

T. 30 R. 38

DUPLICATE

County. Valley

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

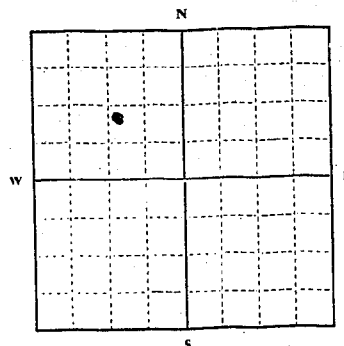
JAN 16 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Ben Barneson, of Box 404 Glasgow
(Name of Appropriator) (Address) (Town)

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



SE NW 1/4 Sec 28 T 30 R 38

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 con-
tinuous the use has been 1926

Fall & Winter watering

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

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

Piston pump

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater 1926

8. The depth of water table 14 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

3" cylinder piston pump
Drilled - 6" casing - 18' deep

10. The estimated amount of groundwater withdrawn each year 270,000 gals

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

Signature of Owner Ben Barneson

Date Dec 22-1963

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.

36875