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10

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MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Big Horn

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 240539

June 28, 1973

GW 1 4:05 p.m.

Owner Westmoreland Resources

Address Box 449, Hardin, Montana 59034

Contractor (if any)

Address of Contractor

Date Started Date Completed

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) spring flows directly into Sarpy Creek

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

3. Depth of water table at surface

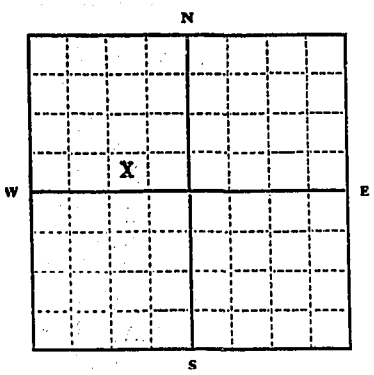
4. Use of the water stockwater, sub-irrigation

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 60 gallons per minute

6. If used for irrigation, give number of acres and description of land sub-irrigation affects 100 acres in NW¼ Sec. 10-1N-37E

7. Estimate amount of water used each year 50,000,000

8. Months of year spring flows 12



SE ¼ NW ¼ Sec. 10

T. 1 X N/S R. 37 X E/W

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.

Elevation of spring, if known or estimated 3230

Signature of Owner Mathew L. Tudor

Date June 28, 1973

54536

240539

STATE OF MONTANA
County of Big Horn } ss.

The within instrument was file
in my office at Hardin, Montana, thi
JUN 28 1973 day o
A. D. 19.....
at 4:05 o'clock M.

Joyce [illegible]
County Recorde
By Dorothy Jones Dep

GW 2 Revised 1969
STATE PUBLISHING COMPANY

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JUL 2 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

10

County Big Horn

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 Westmoreland Resources

Address Box 449

Hardin, Montana 59034

Date well started

completed 1967

Type of well drilled
(Dug, driven, bored or drilled)

Equipment used Churn drill
(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

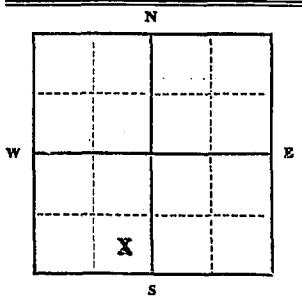
*Describe

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 100,000 gallons

For Administrator's Use	
File	240 558
	June 28, 1973
GW 1	1:24 p.m.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)



SW ¼ NW ¼ Sec. 10
T. 1 N R. 37 E
~~S~~ ~~W~~

Static water level 8 ft.*
Pumping water level ft.*
at 30 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by
for hours.
Power electric Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Clyde Reed

Driller's Address Sheridan, Wyoming

LICENSE NO. 90

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) 3235

From (Feet)	To (Feet)	
		No Log Available

47' Show exact depth of bottom

54,555

240558

STATE OF MONTANA
County of Big Horn } ss.

The within instrument was file
in my office at Hardin, Montana, thi
JUN 28 1973 day o
A. D. 19
at 4:24 o'clock P M.

Joyce Lippert
County Recorder

By Dorothy Jones Depu

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

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JUL 2 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

10

County ~~[illegible]~~

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 Westmoreland Resources

Address Box 449

Hardin, Montana 59034

Date well started

completed 1953

For Administrator's Use
File 240562
June 28, 1973
GW 1 4:28 p.m.

Type of well drilled
(Dug, driven, bored or drilled)

Equipment used Churn drill
(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

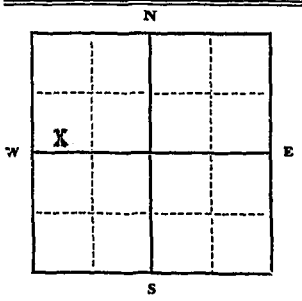
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*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 200,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)



SW ¼ NW ¼ Sec. 10
T. 1 N R. 37 E

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

Static water level 12 ft.*
Pumping water level ft.*
at 30 gallons per minute, measured minutes after pumping began.
*Measured from ground level.
Well developed by
for hours.
Power electric Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Driller's Signature Driller not known

Driller's Address

LICENSE NO.

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) 3235

From (Feet)	To (Feet)	
		No log available

400' Show exact depth of bottom

54559

240562

STATE OF MONTANA }
County of Big Horn } ss.

The within instrument was fil
in my office at Hardin, Montana, th
JUN 28 1973 day
A. D. 19
at 4:28 o'clock P. M.

Jacque Liggett
County Recorde

By _____ Depu

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
JUL 2 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

11

County Big Horn

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 Westmoreland Resources

Address Box 449

Hardin, Montana 59034

Date well started

completed 1960

For Administrator's Use
File 240564
June 28, 1973
GW 1 4:30 p.m.

Type of well drilled
(Dug, driven, bored or drilled)

Equipment used Churn drill
(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

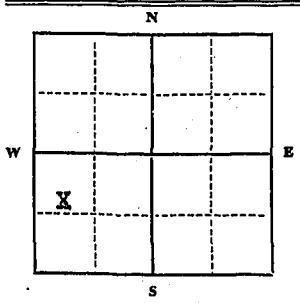
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 100,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)



NW¼ SW¼ Sec. 11
T. 1 N R. 37 E
XX XXX

Static water level ft.*
Pumping water level ft.*
at 4 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by
for hours.
Power electric Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Henry Kray

Driller's Address Not known

LICENSE NO.

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) 3340

From (Feet)	To (Feet)	
		No Log Available

165 Show exact depth of bottom

54561

240564

STATE OF MONTANA
County of Big Horn } ss.

The within instrument was fil
in my office at Hardin, Montana, th
JUN 28 1973 day
A. D. 19
at 4:30 o'clock P. M.

Joyce Lappist
County Recorder

By Depu

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JUL 3 1973

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STATE PUBLISHING CO. LITHO

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Big Horn

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 246540

June 28, 1973

GW 1 4:06 p.m.

Owner Westmoreland Resources

Address Box 449, Hardin, Montana 59034

Contractor (if any)

Address of Contractor

Date Started Date Completed

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

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

3. Depth of water table at surface

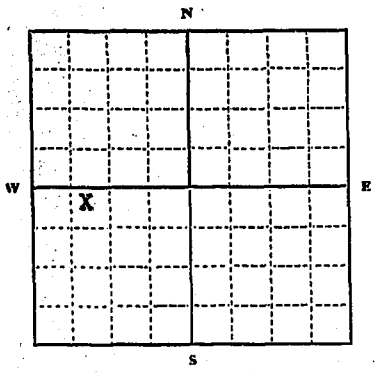
4. Use of the water stockwater

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

6. If used for irrigation, give number of acres and description of land

7. Estimate amount of water used each year 100,000 gallons

8. Months of year spring flows 12



NW ¼ SW ¼ Sec. 12

T. 1 N. R. 37 E.

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.

Elevation of spring, if known or estimated 3365

Signature of Owner Mathew L. Tudor

Date June 28, 1973

54537

240540

TATE OF MONTANA
County of Big Horn } ss.

The within instrument was file
n my office at Hardin, Montana, thi
JUN 28 1973 day o
A. D. 19
it 2:06 o'clock M.

Joyce
County Recorder
Dorothy Jones Depu

RECEIVED

JUL 1973

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

12

3 GW 3 Revised 1969
STATE PUBLISHING CO.-LITHO

County Big Horn

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 24654

June 28, 1973

GW 1 4:08 p.m.

Owner Westmoreland Resources

Address Box 449, Hardin, Montana 59034

Contractor (if any)

Address of Contractor

Date Started Date Completed

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

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

3. Depth of water table at surface

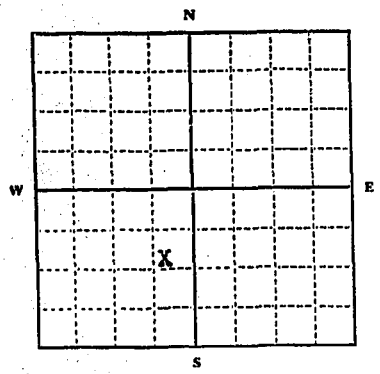
4. Use of water stockwater

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

6. If used for irrigation, give number of acres and description of land

7. Estimate amount of water used each year 100,000 gallons

8. Months of year spring flows 12



NE ¼ SW ¼ Sec. 12

T. 1 ~~N~~ S R. 37 ~~E~~ W

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.

Elevation of spring, if known or estimated 3430

Signature of Owner Mathew L. Fedor

Date June 28, 1973

54539

240542

TATE OF MONTANA
County of Big Horn } ss.

The within instrument was file
n my office at Hardin, Montana, thi
JUN 28 1973 day o
A. D. 19
t 4:08 o'clock P.M.

Joyce Tippert
County Recorder

Dorothy Jones Depu

12

File No.....

T. 1N R. 37E.

DUPLICATE

County Big Horn

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

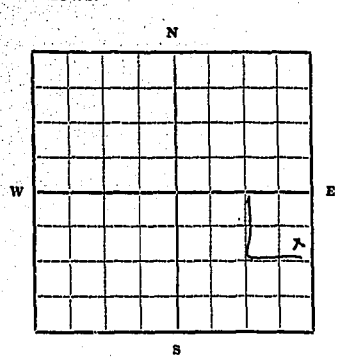
JAN 8 1964

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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



NE ¼ SE¼ Sec. 12 T. 1N R. 37E

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 Ranch and stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been used continuous for 18 yrs

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 barrels per day for 3 months & 2 barrels per day for nine months

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 gas pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1945

8. The depth of water table 16 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 1½ suction type pump

10. The estimated amount of groundwater withdrawn each year 8,100 barrels per yr

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 Log may be recorded in Court House

Signature of Owner Jim Hayne

Date 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 School of Mines and Quadruplicate for the Appropriator.

26802

206511

STATE OF MONTANA }
County of Big Horn } ss.

The within instrument was filed
In my office at Hardin, Montana, this
DEC 31 1969 day of
A. D. 19
at 9:28 o'clock A.M.

County Recorder
By Ruby Semple Deputy

File No.....

T. 1 N R. 37 E

DUPLICATE

County Big Horn

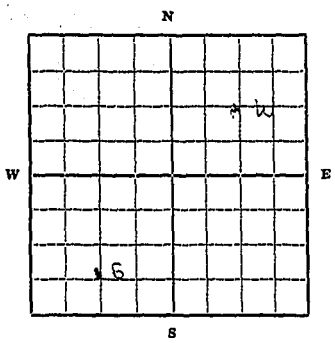
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 6 1964 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. J.T. and Vella B. Redding, of Sarpy Pt. Hysham
(Name of Appropriator) (Address) (Town)
County of Big Horn State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW ¼ NE ¼ Sec. 13 T. 1 N. R. 37 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
Live stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1953 (for well) in use every summer since then. (for spring) continuous use.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Ten gallons (for well) one half gallon (for 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 not used for irrigation

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

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 30 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 87 feet drilled well 6" casing.

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

J.T. Redding
Signature of Owner Vella B. Redding

Date Dec. 26, 1963

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

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

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

21657

206291

STATE OF MONTANA }
County of Big Horn } ss.

The within instrument was filed in my office at Hardin, Montana, this DEC 26 1963 day of A. D. 19 at 10:15 o'clock A.M.

Harry E. Cook
County Recorder

By Ruby A. Semple Deputy

GW2 16

File No. ..... MONTANA WATER RESOURCES BOARD RECEIVED MAY 3 1971

DUPLICATE

T. 1 N. R. 37 E.

County Big Horn

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)

Doc. No. 232421
Filed for record
this 30 day of April
A. D. 19 71, at 3:45
o'clock P M.

Date of Appropriation of Groundwater 1944

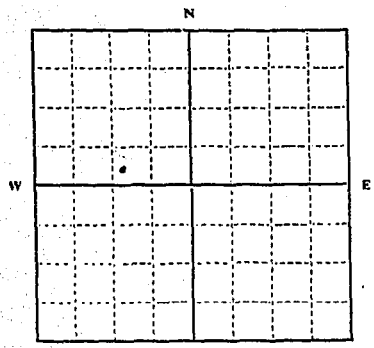
Owner James Romine Address Box 425, Hardin, Mont.

Contractor (if any) Not applicable

Address of Contractor

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

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



SE NW¼ 16 1 N 37E
¼ Sec. T. R.

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 Quantity of water is 300 gallons per minute by estimated flow through a 2½ inch pipe. Spring runs all year.

Signature of Owner James Romine

Date April 30, 1971

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.

48414

232421

STATE OF MONTANA }
County of Big Horn } ss.

The within instrument was filed in my office at Hardin, Montana, this

APR 30 1971 day of

A. D. 19

at 3:45 o'clock P.M.

Jacque Lindquist
County Recorder

By Ruby Hamsley Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—45642

File No. .....

STATE WATER CONSERVATION BOARD

MAR 29 1967

T. 1N R. 37E.

County Big Horn

DUPLICATE

LOG Bille ____ McDermott ____ Bulzerin ____ McNulty ____ Gayle ____ Morton ____ Darlinton ____ Sullivan ____ Bickert ____

Top of Ground

(Elev. above sea level ____)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner James Rowine Address Box 425, Hardin, Mont.

Driller C. S. Jones Address Hardin, Montana

Date of Notice of appropriation of groundwater Nov. 3, 1966

Date well started Oct. 28, 1966 Date completed Nov. 3, 1966

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

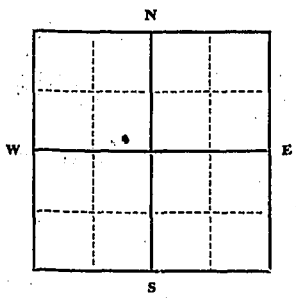
Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐ Industrial ☐ Drainage ☐ Other ☐

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.

0
30' Brown Soil
30
46' Gravel-Water
46
50 Brown Sandy Shale
50
55' Gray Shale
55
65 Sand-Water
65
68' Blue Shale

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"	19	0	51	None		
4"	1.44.7 SDR-160			Perforated bottom with ⅛" holes		30'



Static Water Level for non-flowing well 46 feet.

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

Pumping Water Level 50 feet at 20 gal. per minute.

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

How Tested Bailer

Length of Test .....

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

SE¼NW¼ Sec. 16 T. 1N R. 37E.

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

(Continue on reverse side)

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

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

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

81
Driller's License Number

Clarence A. Jones
Driller's Signature.

41818

218671

STATE OF MONTANA }
County of Big Horn } ss.

The within instrument was filed
in my office at Hardin, Montana, this
MAR 28 1967 day of
A.D. 19
at 2:15 o'clock P.M.

County Recorder

By Deputy

RECEIVED
JUN 2 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

County BIG HORN 18

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 EARL R. & BERNICE STARK

Address HYSHAM, MONT

Date well started 1958

completed 1958

For Administrator's Use
File 240527
June 28, 1973
GW 1 10:40 A.M.

Type of well Drilled (Dug, driven, bored or drilled)

Equipment used Drill (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)
6"	5" steel	0	110	5" slits	70	110

N
W E
S

NE ¼ NE ¼ Sec. 18
T. 1 N R. 37 E

Static water level 50 ft.*
Pumping water level 60 ft.*
at 5 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by owner
for 24 hours.
Power electric Pump 1 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's ~~Signature~~ Clarence Jones

Driller's Address Hardin, Montana

LICENSE NO.

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	30	sandy soil
30	46	coal
46	50	gray shale
50	70	sandstone
70	75	blue shale
75	107	sandstone water bearing
107	110	blue shale (sandy)

110 Show exact depth of bottom

54527

240527

STATE OF MONTANA
County of Big Horn } ss.
The within instrument was filed
in my office at Hardin, Montana, this

_____ day of

JUN 28 1973 A.D. 19____

at 10 40 o'clock A.M.

Joyce Lippert
County Recorder

By Dorothy Jones Deputy

RECEIVED

JUL 2 1973

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

018

3 GW 3 Revised 1969
STATE PUBLISHING CO.—LITHO

County BIG HORN

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)

ST0253

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 240529

June 28, 1973

GW 1 10:48

Owner EARL A. STARK BERNICE STARK

Address HYSHAM, MONT.

Contractor (if any) none

Address of Contractor none

Date Started Nov. 1952 Date Completed Nov. 1952

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) dug out spring cribbed it with cement blocks, ½ mile plastic pipe to house & other uses.

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

3. Depth of water table 10 ft

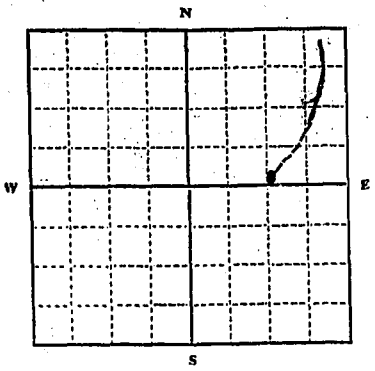
4. Use of the water domestic, stock, lawn & garden

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 3 gals per min.

6. If used for irrigation, give number of acres and description of land Lawns & garden plot

7. Estimate amount of water used each year 182,000 gal (500 gal per day)

8. Months of year spring flows 12 months



SE ¼ NE ¼ Sec. 18

T. 1 N/S R. 37 E/W

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

Signature of Owner Earl Stark

Date June 27, 1973

54530

240529

STATE OF MONTANA
County of Big Horn } ss.

The within instrument was filed in my office at Hardin, Montana, this _____ day of JUN 28 1973 A.D. 19____ at 10:48 o'clock A.M.

Joyce Liggett
County Recorder

By Dorothy Jones Deputy

19

GW 3 Revised 1969
191—1500—10/69

MONTANA WATER RESOURCES BOARD
RECEIVED
SEP 14 1971

County Big Horn

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 233627
September 10, 1971
4:08 Pm

GW 1

Owner Davidson Cattle Co.

Address Bighorn, Montana

Contractor (if any) -Self-

Address of Contractor

Date Started Aug 3, 1967 Date Completed Aug 4, 1967

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

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

3. Depth of water table 3 to 6 ft.

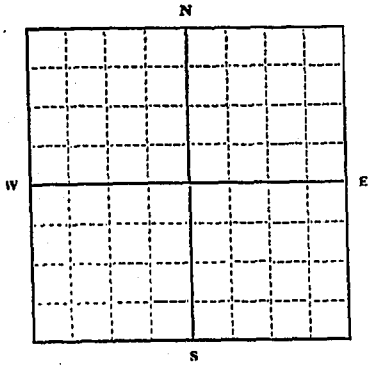
4. Use of the water Stock water

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 3 gallons per minute

6. If used for irrigation, give number of acres and description of land

7. Estimate amount of water used each year 3 gallons per minute

8. Months of year spring flows 12 months



SE ¼ SW ¼ Sec. 19

T. 1 N R. 37 E

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE. Elevation of spring, if known or estimated SW ¼ & SE ¼ & NE ¼

Signature of Owner Davidson Cattle Co. by T. M. Davidson

Date

49079

233627

STATE OF MONTANA }
County of Big Horn } ss.

The within instrument was filed
in my office at Hardin, Montana, this
SEP 10 1979 day of
A. D. 19
at 4:08 o'clock P. M.

Joyce Lippert
County Recorder

By Rusty Wemple Deputy

File No.....

DUPLICATE

T. 1 N. R. 37 East

County Bighorn

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

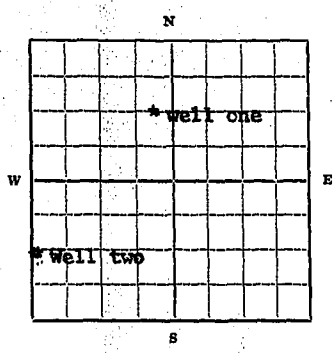
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. J. S. Romine Estate (Name of Appropriator), of (Address) Hardtown

County of Big Horn State of Montana

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



Well (1) N.E. ¼ N.W. Sec. 20 T 1N. R 37 E.

Well (2) N.W. ¼ S.W. Sec. 20 T 1 N R 37 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 stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Well one (1942) Daily
Well two (1954) Six months of the year.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Well one (10 gallons per minute)
Well two (7 gallons per minute)

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Well one (submerge electric pump)
Well two (gas engine and pump jack)

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Well one (October 10--17th, 1942)
Well two (June 5--8th, 1954)

8. The depth of water table Well One (150 ft.) Well two (55 ft.)

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well one (4 inch black pipe 197 ft deep)
Well two (4 inch black pipe 80 ft. deep)

10. The estimated amount of groundwater withdrawn each year Well one (252,800 gal)
Well two (153,720 Gal)

11. The log of formations encountered in the drilling of each well if available Well one (none available)
Well two (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 Well one (no other records)
Well two (no other records)

Signature of Owner J. S. Romine Estate
Eva Romine Miller
Executrix

Date Dec 23, 1963

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

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

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

21676

206313

STATE OF MONTANA }
County of Big Horn } ss.

The within instrument was filed
In my office at Hardin, Montana, this
DEC 26 1963 day of
A. D. 19
at 3 34 o'clock P M.

Harry E. Cook
County Recorder
By Goldie L. Smith Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED JUL 2 1973 MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Big Horn 21

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 Westmoreland Resources

Address Box 449

Hardin, Montana 59034

Date well started

completed 1937

For Administrator's Use
File 246568
June 28, 1973
GW 1 1:34 p.m.

Type of well (Dug, driven, bored or drilled)

Equipment used (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

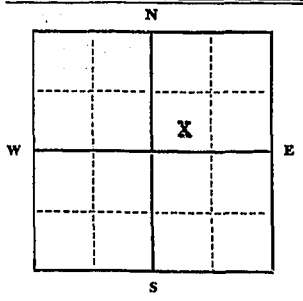
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 20,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)



SW¼ NE ¼ Sec. 21
T. 1 N R. 37 E

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

Static water level 6 ft.*
Pumping water level ft.*
at 25-30 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by
for hours.
Power electric Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Driller's Signature Kenny Barkoff

Driller's Address Not known

LICENSE NO.

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) 3285

From (Feet)	To (Feet)	Log not available

30' Show exact depth of bottom

54565

240568

STATE OF MONTANA
County of Big Horn } ss.
The within instrument was fi
in my office at Hardin, Montana t
JUN 28 1973 da
A. D. 19
at 4:34 o'clock P M.
Joyce Lappit
County Recorde
By
Dep

21

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
JUL 2 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Big Horn

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 Westmoreland Resources

Address Box 449

Hardin, Montana 59034

Date well started

completed 1956

For Administrator's Use
File 24056
June 28, 1973
GW 1 4:47 p.m.

Type of well drilled (Dug, driven, bored or drilled)

Equipment used churn drill (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

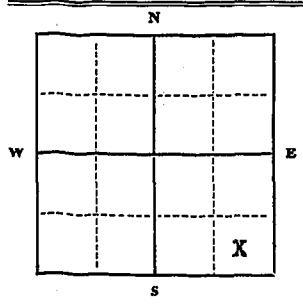
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 100,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)



SE ¼ SE ¼ Sec. 21
T. 1 N R. 37 E

Static water level ft.*
Pumping water level ft.*
at 25 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by
for hours.
Power electric Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Henry Kray

Driller's Address Not Known

LICENSE NO.

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) 3357

From (Feet)	To (Feet)	
		No log available

45' Show exact depth of bottom

54558

240561

STATE OF MONTANA
County of Big Horn } ss.

The within instrument was filed in my office at Hardin, Montana, this JUN 28 1973 day of _____ A. D. 19____ at 4:27 o'clock P.M.

Jacque Siegert
County Recorder

By _____ Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
JUL 2 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Big Horn 21

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 Westmoreland Resources

Address Box 440

Hardin, Montana 59034

Date well started

completed Not known

For Administrator's Use
File 240560
June 28, 1973
GW 1 4:26 p.m.

Type of well drilled (Dug, driven, bored or drilled)

Equipment used Not known (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

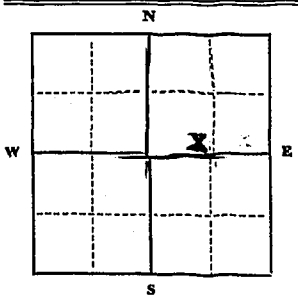
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*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). 200,000

ESTIMATED ANNUAL WITHDRAWAL 200,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)



SW 1/4 NE 1/4 Sec. 21
T. 1 N R. 37 E

Static water level ft.*
Pumping water level ft.*
at 25 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by
for hours.
Power Electric Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Not Known

Driller's Address

LICENSE NO.

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) 3290

From (Feet)	To (Feet)	
		Log Not Available

40 Show exact depth of bottom

5 4557

240560

STATE OF MONTANA
County of Big Horn } ss.

The within instrument was filed in my office at Hardin, Montana, this JUN 28 1973 day of ..... A. D. 19..... at 4:26 o'clock P. M.

Jayne L. Sappert
County Recorder

By ..... Deputy

RECEIVED
JUL 2 1973
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

22

GW-3 Revised 1969
STATE PUBLISHING CO.—LITHO

County Big Horn

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 240551

June 28 1973

GW 1 4:12 p.m.

Owner Westmoreland Resources

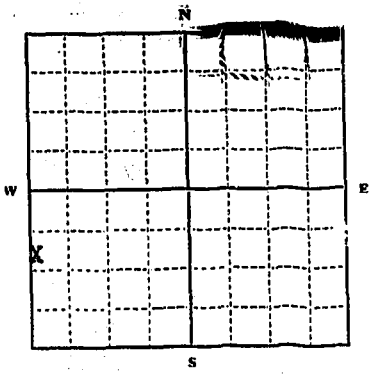
Address Box 449, Hardin, Montana 59034

Contractor (if any)

Address of Contractor

Date Started Date Completed

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) natural flowing spring empties into deep meander along Sarpy Creek.



NW ¼ SW ¼ Sec. 22

T. 1 N ~~S~~ R. 37 E ~~W~~

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.

Elevation of spring, if known or estimated 3290

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

3. Depth of water table surface

4. Use of the water stockwater, sub-surface irrigation

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 150 gallons

6. If used for irrigation, give number of acres and description of land sub-surface irrigation affects 160 acres in E½ of Sec. 21-1N-37E

7. Estimate amount of water used each year 50,000,000 gallons

8. Months of year spring flows 12

Signature of Owner Mathew L. Tudor

Date June 28, 1973

54548

240551

STATE OF MONTANA
County of Big Horn } ss.

The within instrument was fil
in my office at Hardin, Montana, th

JUN 28 1973 day

A. D. 19

at 4:17 o'clock P. M.

Joyce Dippert
County Recorder

By Dorothy Jones Depu

24

File No.....

T/N R37 E

County Big Horn

DUPLICATE

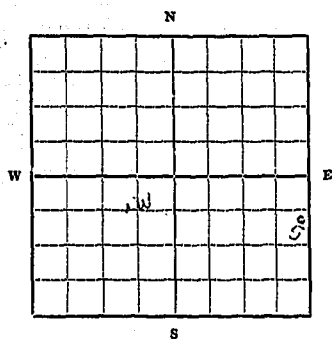
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vesied Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. J. T. and Della B. Redding, of Lapp Pt. Hysham
(Name of Appropriator) (Address) (Town)
County of Big Horn State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S W 1/4
S E 1/4 Sec. 24 T/N R37 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 livestock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1940 continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Well - one half gallons Spring - one half gallons

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1940

8. The depth of water table 15 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater dug well, 15 ft deep 4 ft casing piped out ~~of ground~~ by gravity

10. The estimated amount of groundwater withdrawn each year 262,800 gallons for each

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 J. T. Redding
Della B. Redding

Date Dec. 26, 1963

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

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

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

21662

206296

STATE OF MONTANA
County of Big Horn } ss.

The within instrument was filed in my office at Hardin, Montana, this DEC 26 1963 day of A. D. 19 at 10 35 o'clock A M.

Harry E. Cox
County Recorder

By Goldie L. Smith Deputy

RECEIVED
JUL 3 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

26

3 GW 3 Revised 1969
2037—1500—1/71

County Big Horn

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

S22035

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 240552

June 28, 1973

GW 1 4:18 p.m.

Owner Westmoreland Resources

Address Box 449, Hardin, Montana 59034

Contractor (if any)

Address of Contractor

Date Started Date Completed

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

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

3. Depth of water table surface

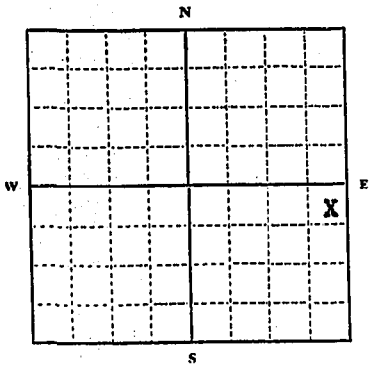
4. Use of the water operation of surface mine

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 3 gallons per minute

6. If used for irrigation, give number of acres and description of land

7. Estimate amount of water used each year 500,000 gallons

8. Months of year spring flows 4



NE ¼ SE ¼ Sec. 26

T. 1 N ~~S~~ R. 37 E ~~W~~

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or estimated 3470

Signature of Owner Mathew L. Tudor

Date June 28, 1973

5-4549

240552

STATE OF MONTANA
County of Big Horn } ss.

The within instrument was filed in my office at Hardin, Montana, this JUN 28 1973 day of _____ A. D. 19..... at 4:18 o'clock P M.

Joyce Lockhart
County Recorder

By Dorothy Jones Deputy

RECEIVED

JUL - 2 1973

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

26

GW 3 Revised 1969
STATE PUBLISHING CO.—LITHO

County Big Horn

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

S06230

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 240550

June 28, 1973

GW 1 4:16 p.m.

Owner Westmoreland Resources

Address Box 449, Hardin, Montana 59034

Contractor (if any)

Address of Contractor

Date Started Date Completed

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

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

3. Depth of water table surface

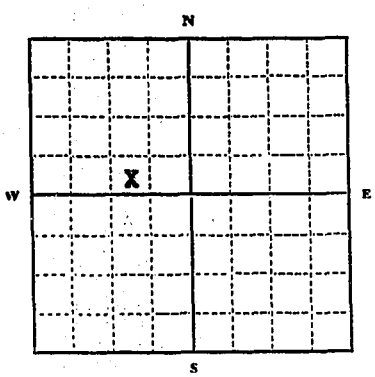
4. Use of the water operation of surface mine

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 2 gallons per minute

6. If used for irrigation, give number of acres and description of land

7. Estimate amount of water used each year 3,000,000 gallons

8. Months of year spring flows 6



SE ¼ NW ¼ Sec. 26

T. 1 N. R. 37 E.

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or estimated 3430

Signature of Owner Mathew S. Judson

Date June 28, 1973

54547

240550

STATE OF MONTANA
County of Big Horn } ss.

The within instrument was filed in my office at Hardin, Montana, this JUN 28 1973 day of _____ A. D. 19____ at 4:16 o'clock P.M.

Joyce Lippert
County Recorder

Dorothy Jones Deputy

RECEIVED
JUL 1 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

26

3 GW 3 Revised 1969
STATE PUBLISHING CO.—LITHO

County Big Horn

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 34549

June 28, 1973

GW 1 4:15 p.m.

Owner Westmoreland Resources

Address Box 449, Hardin, Montana 59034

Contractor (if any)

Address of Contractor

Date Started Date Completed

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

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

3. Depth of water table surface

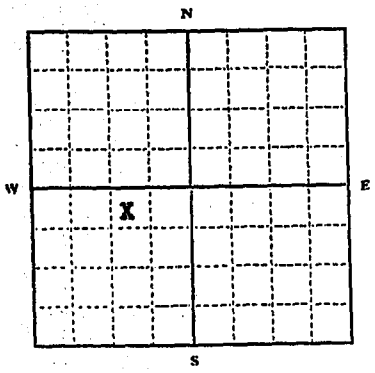
4. Use of the water operation of surface mine

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 2 gallons per minute

6. If used for irrigation, give number of acres and description of land

7. Estimate amount of water used each year 300,000 gallons

8. Months of year spring flows 6



NE ¼ SW ¼ Sec. 26

T. 1 N R. 37 E

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.

Elevation of spring, if known or estimated 3470

Signature of Owner Mathew S. Tudor

Date June 28, 1973

54546

240549

STATE OF MONTANA } ss.
County of Big Horn }

The within instrument was filed in my office at Hardin, Montana, this

JUN 28 1973 day

A. D. 19

at 4:15 o'clock P. M.

Joyce Lippert
County Recorder

By Dorothy Jones Deputy

RECEIV
JUL 2 1973

26

GW 3 Revised 1969
STATE PUBLISHING CO. LITHO.

DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Big Horn

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 .....

Owner Westmoreland Resources

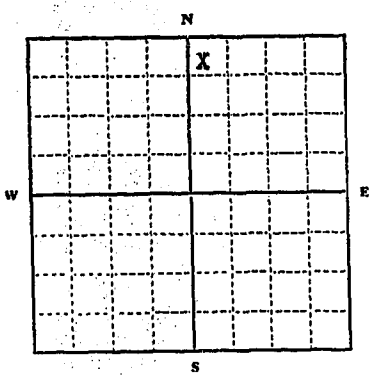
Address Box 449, Hardin, Montana

Contractor (if any) Steve Kenney

Address of Contractor .....

Date Started May 31, 1973 Date Completed June 18, 1973

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) Developed spring and interception of sub-surface flow in coulee gravel.



NW ¼ NE ¼ Sec. 26

T. 1 ~~N~~ S R. 37 ~~E~~ W

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.

Elevation of spring, if known or estimated 3410

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

3. Depth of water table surface

4. Use of the water Operation of surface mine

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 70 gallons per minute

6. If used for irrigation, give number of acres and description of land .....

7. Estimate amount of water used each year 20,000,000 gallons

8. Months of year spring flows 12

Signature of Owner Mathew A. Tudor

Date June 28, 1973

240535

STATE OF MONTANA } ss:
County of Big Horn

The within instrument was filed
in my office at Hardin, Montana, this
JUN 28 1973 day o
A. D. 19
at 4:01 o'clock P.M.

Joyce Dippert
County Recorder
By Dorothy Jones Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

26

County Big Horn

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 Westmoreland Resources

Address Box 449

Hardin, Montana 59034

Date well started

completed 1956

For Administrator's Use
File 440555
June 28, 1973
GW 1 4:21 p.m.

Type of well drilled
(Dug, driven, bored or drilled)

Equipment used Churn drill
(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

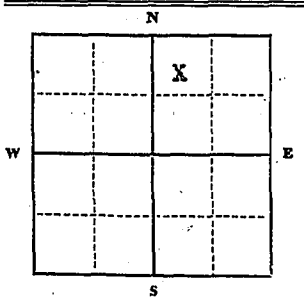
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 100,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)



NW¼ NE¼ Sec. 26
T. 1 N R. 37 E

Static water level ft.*
Pumping water level ft.*
at 18-20 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by
for hours.
Power Windmill Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Henry Kray

Driller's Address Not Known

LICENSE NO.

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) 3410

From (Feet)	To (Feet)	
		No Log Available

123' Show exact depth of bottom

54552

240555

TATE OF MONTANA
County of Big Horn } ss.

The within instrument was filed
n my office at Hardin, Montana, this
JUN 28 1973 day o
A. D. 19
at 4:21 o'clock P. M.

Joyce Lippert
County Recorder
By Dorothy Jones Dep

GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
JUL 2 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Big Horn 27

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 Westmoreland Resources

Address Box 449

Hardin, Montana ~~8934~~ 59034

Date well started

completed 19 56

For Administrator's Use
File 240556
June 28, 1973
GW 1 4:28 p.m.

Type of well drilled
(Dug, driven, bored or drilled)

Equipment used Churn drill
(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

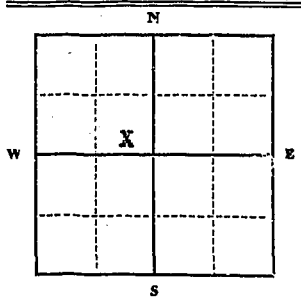
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 100,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)



SE 1/4 NW 1/4 Sec. 27
T. 1 N R. 37 E

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

Static water level ft.*
Pumping water level ft.*
at 15 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by
for hours.
Power electric Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Driller's Signature Henry Kray

Driller's Address Not known

LICENSE NO.

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) 3345

From (Feet)	To (Feet)	
		Log not available

90' Show exact depth of bottom

54553

240556

STATE OF MONTANA
County of Big Horn } ss.

The within instrument was filed in my office at Hardin, Montana, this JUN 28 1973 day of A. D. 19

at 4:22 o'clock P. M.

Joyce E. Lippert
County Recorder

Dorothy Jones Deputy

RECEIVED

JUL 2 1973

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

28

GW 3 Revised 1969
STATE PUBLISHING CO.-LITHO

County Big Horn

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 24656

June 28, 1973

GW 1 2:09 p.m.

Owner Westmoreland Resources

Address Box 449, Hardin, Montana 59034

Contractor (if any)

Address of Contractor

Date Started Date Completed

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

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

3. Depth of water table at surface

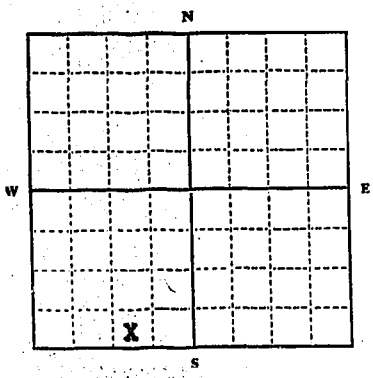
4. Use of the water stockwater

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

6. If used for irrigation, give number of acres and description of land

7. Estimate amount of water used each year 500,000 gallons

8. Months of year spring flows 12



SE ¼ SW ¼ Sec. 28

T. 1 N R. 37 E

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or estimated 3440

Signature of Owner Mathew L. Tudor

Date June 28, 1973

5-4546

S10243

240543

STATE OF MONTANA
County of Big Horn } ss.

The within instrument was file
in my office at Hardin, Montana, thi
JUN 28 1973 day
A.D. 19
at 4:09 o'clock P.M.

Joyce Lippert
County Recorder

By Dorothy Jones Deputy

29

File No. .....

T1 N. R 37 E.

DUPLICATE

County Big H orn

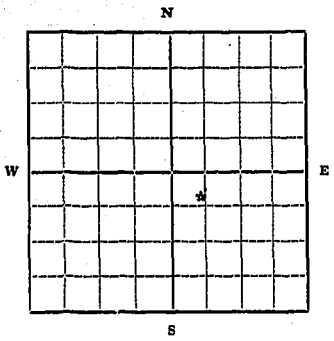
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. J. S. Romine (Estate), of Hardin
(Name of Appropriator) (Address) (Town)
County of Big Horn State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.W.¼S.E. Sec 29 T. 1 N R. 37 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 Stock Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1943 Daily (365 days)

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater September 20 -- 24th, 1943

8. The depth of water table 80 ft. deep

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4 inch black pipe 175 feet deep

10. The estimated amount of groundwater withdrawn each year 219,000 gal

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 No other records.

J. S. Romine Estate
Eva Romine Miller
Signature of Owner Executrix

Date Dec 23, 1963

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

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

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

21675

206312

STATE OF MONTANA
County of Big Horn } ss:

The within instrument was filed in my office at Hardin, Montana, this

DEC 26 1969 day of

A. D. 19

at 3 32 o'clock P.M.

Mary E. Cox
County Recorder

By Golden L. Smith Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—45642

29

File No. STATE WATER CONSERVATION BOARD

MAR 29 1967

T. 1N R. 37E 29

DUPLICATE

County Big Horn

LOG

Billo McDermott
Butzerin McNulty
Coyle Marton
Darlinton Sullivan
Dickert

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)

Top of Ground

(Elev. above sea level)

4'	Soil
18'	Sand Rock
18	
45	Yellow Shale
45	
90	Yellow sand-Dry
90	
100	Gray Shale
100	
105	Coal Streaks
105	
110	Gray Shale
110	
120	Light Gray Shale
120	
125	Light Gray Sandy Shale Small amount of Water
125	
139	Light Gray Sandy Shale
139	
145	Hard Shell
145	
158	Sand-Water
158	
160	Gray Shale

Show exact depth of bottom.

Owner James Romine Address Box 425 Hardin, Mont.

Driller C. S. Jones Address Hardin, Montana

Date of Notice of appropriation of groundwater Oct. 27, 1966

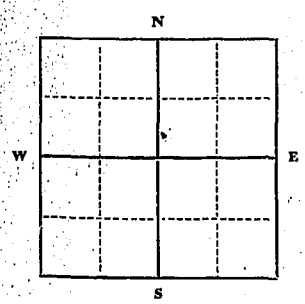
Date well started Oct. 24, 1966 Date completed Oct 27, 1966

Type of well Drilled (Dug, driven, bored or drilled) Equipment used Churn drill (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)
	19	0	22	None		
	1.44.7 Class 160 SDR-26			Perforated bottom 60' with ½" holes		



SW ¼ NE ¼ Sec. 29 T. 1 N. R. 37E.
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 125 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 145 feet at 15 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailer

Length of Test

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

(Continue on reverse side)

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

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

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

81
Driller's License Number

Clarence A. Jones
Driller's Signature.

41817

218670

STATE OF MONTANA }
County of Big Horn } ss:

The within instrument was filed
in my office at Hardin, Montana, this
MAR 28 1967 day of
A. D. 19
at 2:10 o'clock P.M.

County Recorder

By Ruby Wesyde Deputy

File No.....

DUPLICATE

T. 1 North R. 37 East

County Big Horn

31

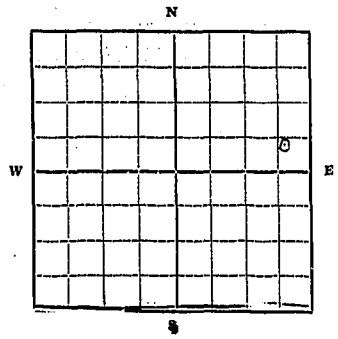
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 8 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. George C. Miller, of Hardin
(Name of Appropriator) (Address) (Town)
County of Big Horn State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE ¼ NE Sec. 31, T 1N, R 37E

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 Stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Dec. 1943 continuously

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 Not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Water pumped by beam type pump jack powered by gasoline motor

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

8. The depth of water table 300 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 293' of 4" casing; 273' of 2" droppipe with 2" x 36" cylinder at bottom

10. The estimated amount of groundwater withdrawn each year 150,000 gallons per year

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

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

Signature of Owner George C. Miller

Date 12-30-63

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

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

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

26742

206449

STATE OF MONTANA }
County of Big Horn } ss.

The within instrument was filed in my office at Hardin, Montana, this DEC 30 1963 day of A.D. 19__ at 3:05 o'clock P.M.

Harry E. Cook
County Recorder

By Ruby Wilmyth Deputy

File No. .....

T. 1N R. 37 033

DUPLICATE

County .....

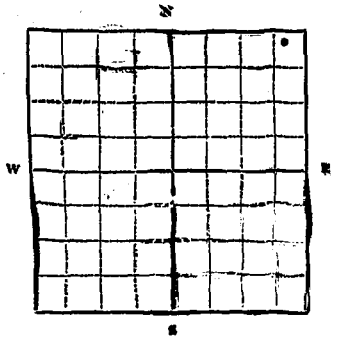
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 8 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. GEORGE E. LUTHER (Name of Appropriator) of B.C. HORN (Address) HARDIN (Town)
County of B.C. HORN State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW ¼ of Sec. 33 T1N R37E.
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 WATERING

3. Year or approximate date of earliest beneficial use; and how continuous the use has been JUNE 1939 AND CONTINUOUS USE EVERY YEAR.

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof NONE

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1939, JUNE

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 DRILLED 4" CASING 120 FT

10. The estimated amount of groundwater withdrawn each year 300,000 GALLONS

11. The log of formations encountered in the drilling of each well if available NOT AVAILABLE TO 100 FT BUT 20 FT WATER BEARING SAND

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

Signature of Owner George E. Luther

Date 31 Dec 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 School of Mines and Quadruplicate for the Appropriator.

26794

206503

STATE OF MONTANA } ss:
County of Big Horn

The within instrument was filed
In my office at Hardin, Montana. this
DEC 31 1963 day of
A. D. 19
at 9:00 o'clock A M.

Harry E. Cox
County Recorder

By Gladys L. Smith Deputy