

Department of Natural Resources and Conservation
 Water Resources Division
 Engineering Bureau
 Groundwater Section
 Sam W. Mitchell Building
 Helena, Montana 59601

Owner Palm Ranch
 Address Ismay, Mt. 59336
 Location T. 4 N. R. 52 E. Sec. 4
 Doc. No. 12450

*Section
6/5/72*

As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

Special Instructions:

According to the location indicated (T4N-R52E) on the attached form, the well is located in Carter County and not Fallon County. The well should be recorded & filed in the county in which the well constructor is located. Please check the location to see that it is correct.

Thank you.

49,787

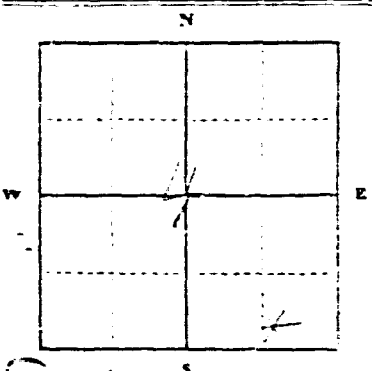
Equipment used rotary
(Cable drill, rotary or other)

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 600,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind & Size	From (Feet)	To (Feet)
6"	3"	0	189			
4"	2"	189	420	slotted	340	420



Static water levelft.*
 Pumping water levelft.*
 atgallons per minute,
 measuredminutes after pumping
 began.
 *Measured from ground level.
 Well developed by
 forhours.
 Power..... Pump..... HP
 Remarks: (Gravel packing, cementing,
 packers, type of shutoff)

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

Driller's Signature
 Driller's Address 215 S. 1st St., Helena, Mont.

49,787

RECEIVED

NOV 29 1972

CARTER

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

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.

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	sand and gravel
34	320	clay and streaks of coal
320	410	sand
410	420	clay

Owner Pala Ranch

Address Idamay, Montana

For Administrator's Use

File 124 51 2005/12

Will Carter

Date well started NOV. 27, 1971 GW 1

completed NOV. 28, 1971

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

Equipment used rotary (Chain drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation

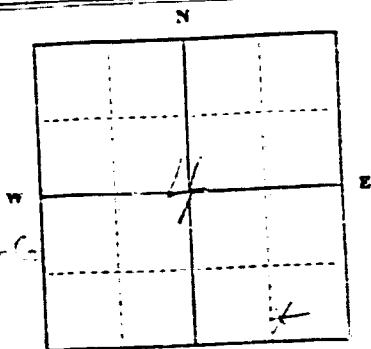
Industrial Drainage Other Garden/Lawn

*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 600,000 gallons

Size of Drilled Hole	Size and Weight of Casing	PERFORATIONS				
		From (Feet)	To (Feet)	Kind	From (Feet)	To (Feet)
6"	3"	0	169			
4"	2"	189	420	slotted	340	420



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

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

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

flows 10 34 30 p. m.

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

Driller's Signature

Driller's Address 215 N. Pacific, Helena, Mont.

Montana Water Well Drillers LICENSE NO. 183

420 ft. Show exact depth of bottom

49,152

RECEIVED

NOV 29 1972

CARTER

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

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.

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	sand and gravel
34	320	clay and streaks of coal
320	410	sand
410	420	clay

Owner Pala Ranch

Address Ismay, Montana

For Administrator's Use

File 12450 Jan 25/1973

Bill

GW: _____

Date well started Nov. 27, 1972

completed Nov. 28, 1972

Type of well drilled

(Dug, driven, bored or drilled)

Equipment used rotary

(Chem drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation

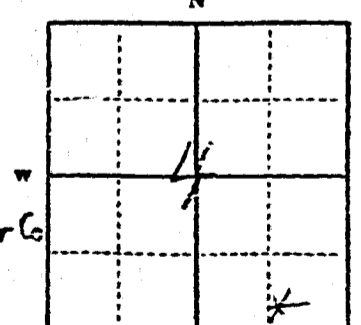
Industrial Drainage Other Garden/Lawn

*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 600,000 gallon

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	3"	0	189			
4"	2"	189	420	slotted	340	420



Static water level _____ ft.*

Pumping water level _____ ft.*

at _____ gallons per minute,

measured _____ minutes after pumping began.

*Measured from ground level.

Well developed by _____

for _____ hours.

Power _____ Pump _____ HP

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

flows 10 gpm 5. p. m.

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

Driller's Signature _____

Driller's Address: 495 Pacific, Billings, Mont.

Montana Water Well Drillers LICENSE NO. 183

420 ft. Show exact depth of bottom

49,757

134487

CARTER COUNTY
EKALAKA, MONTANA
Filed for Record
at 10:25 AM

NOV 22 1951
Sam M. Brewster
County Clerk

Deputy

Jan 22.00

109212

Form No. 18
8-60

T. 4 North R. 57 East
County Carter

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

Water Well Log

STATE ENGINEER

Owner Ethel C. Hanley Address Plevna, Montana
Driller Geo. Ask: Address Miles City, Montana
Date Started Nov., 6, 1952 Date Completed Dec., 1, 1952
Location: Sec. 12 T. 4 N. R. 57 E. $\frac{1}{4}$ sec. SWSW

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: 0 ft. to 170 ft. Type Iron pipe Size 4 Inch

Casing: 170 ft. to 317 ft. Type Iron pipe Size 2 Inch

Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. 257 to ft. 317 . Ft. _____ to ft. _____

Type of screen or perforations Holes cut with cutting torch

Static water level, for non-flowing well: Artesian flow feet.

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

Pumping water level _____ feet at _____ gal. per min.

How tested: _____

Length of test _____

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

Artesian flow of 18 gal. per minute

(over)

109215

Form No. 18
8-60

T. 4 North R. 57 East
County Carter

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

Water Well Log

STATE ENGINEER

		X

Owner Pat Hanley Address Plevna, Montana
Driller C. L. Aspin Address Baker, Montana
Date Started November 11, 1961 Date Completed Nov., 18, 1961
Location: Sec. 14 T. 4 N. R. 57 E. $\frac{1}{4}$ sec. NESE

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: 0 ft. to 120 ft. Type Iron pipe Size 2 In.

Casing: _____ ft. to _____ ft. Type _____ Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or screened: Ft. 80 to ft. 120. Ft. _____ to ft. _____

Type of screen or perforations Holes cut with cutting torch

Static water level, for non-flowing well: _____ feet.

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

Pumping water level _____ feet at _____ gal. per min.

How tested: _____

Length of test _____

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

Artesian flow at 10 gal per minute

(over)

File No. _____

STATE WATER CONSERVATION BOARD

RECEIVED
AUG 24 1965

T 4-N R 57-E

DUPLICATE

County CARTER

FORWARDED TO: ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE OF MONTANA

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

- 1 Top of Ground SURFACE (Elev. above sea level _____)
- 5 TAN SANDY CLAY
- 7 SAND & GRAVEL
- 64 TAN SAND
- 67 WHITE & BLUE SAND
- 70 BLUEY GRAY SHALE
- 74 COAL
- 75 ORCUMIN SHALE
- 77 GRAY SHALE
- 104 BLUE & WHITE SAND
- 111 COAL & BROWN SANDY SHALE
- 118 GRAY SHALE

Owner PAT HANLEY Address PLEVNA, MONT.

Driller MERLE R. BRADY Address BELLE FOURCHES, S.D.

Date of Notice of Appropriation of Groundwater _____

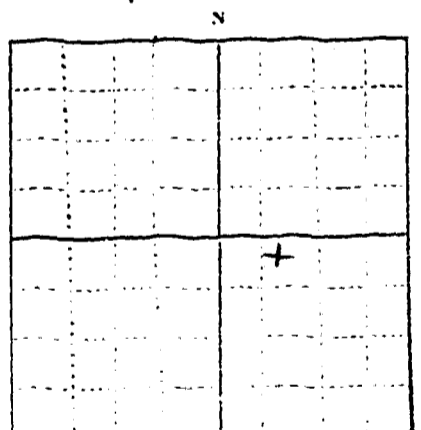
Date well started 7-22-65 Date Completed 7-24-65

Type of well Drilled Equipment Used ROTARY
(Churn, drill, rotary or other)

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORMATIONS		
				Kind Size	From (Feet)	To (Feet)
3 1/2 - 3 in	2 in Ridge plastic	0	118	drill hoses	75	113



NW 1/4 SE Sect. T4-N R57-E
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 _____ feet.

Shut-in Pressure for Flowing Well 2165

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

Discharge in gal. per min. of flowing well 3 1/2

How Tested _____ Length of Test _____

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

112
Driller's License Number

Merle R. Brady
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.

3946.3

115978

CARTER COUNTY
EKALAKA, MONTANA
Filed for Record
at 10:15 o'clock A.M.

AUG 23 1965

Jane M. Brewster

Callie M. Stuey
County Clerk
Deputy

Fee: \$2.00

File No.

RECEIVED
AUG 24 1965

T-4-N-R-57-E

DUPLICATE

County GARTER

REFERRED TO

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

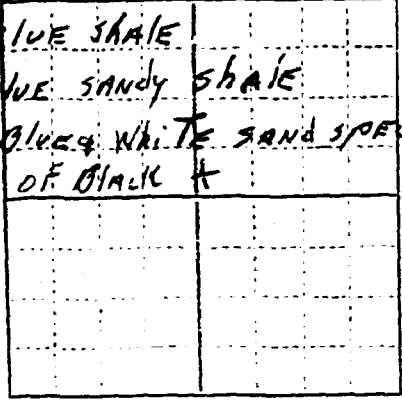
(Under Chapter 237, Montana Session Laws, 1961)

- 2 SURFACE (Elev. above sea level)
- 21 TAN SANDY CLAY
- 20 LIGHT GRAY & TAN SHALE TRACE OF
- 36 YELLOW SHALE
- 42 GRAY SHALE
- 46 COAL
- 60 GRAY SHALE TRACE OF COAL
- 70 LIGHT BLUE SHALE
- 73 COAL
- 77 GRAY SHALE
- 79 HARD SAND ROCK
- 160 GRAY SHALE STREAKS OF COAL
- 200 GRAY SANDY SHALE
- 205 SAND STREAK OF GRAY
- 207 SILTY SH. BLUE & WHITE SAND
- 208 GRAY SAND STREAKS OF SAND
- 305 GRAY SAND STREAKS OF COAL
- 309 BROWN SHALE
- 311 LIGHT GRAY SHALE
- 320 BLUE GRAY SAND
- 360 BLUE GRAY SHALE
- 371 BLUE SANDY SHALE
- 375 LIGHT GRAY SHALE
- 380 BLUE & WHITE SAND
- 382 SAND ROCK
- 390 BLUE & WHITE SAND
- 400 BLUE SHALE
- 405 BLUE SANDY SHALE
- 487 BLUE & WHITE SAND SPECKS OF BLACK

Owner PAT HANLEY Address PLEYVA, MONT.
 Driller MEALE R. BONDY Address BELLE FOURACHE, S.D.
 Date of Notice of Appropriation of Groundwater _____
 Date well started 7-20-65 Date Completed 7-22-65
 Type of well Drilled Equipment Used ROTARY
 (dug, driven, bored or drilled) (Churn, drill, rotary or other)
 Water Use: Domestic Municipal Other Irrigation
 Industrial Drainage Stock

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

	Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
					Kind Size	From (Feet)	To (Feet)
	5 7/8 in	4 in I.D. 11 lb	0	168	slots	360	385
	3 in	2 in 3.5	168	487		410	485



SW 1/4 Sec 5 7-N 57-E
 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 20 feet.
 Shut-in Pressure for Flowing Well _____
 Pumping Water Level 80 feet at 60 gal. per minute.
 Discharge in gal. per min. of flowing well _____
 How Tested RUNNED Length of Test 1 hour

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

487

112
 Driller's License Number
Meale R. Bondy
 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.

29464

115979

CARTER COUNTY
EKALAKA, MONTANA
Filed for Record

at 10:15 A. M.

AUG 23 1965

Jane M. Brewster
Cally M. Steg County Clerk
Deputy

Fee: \$2.00

File No.

T. 4N R. 57

DUPLICATE

County *Carter*

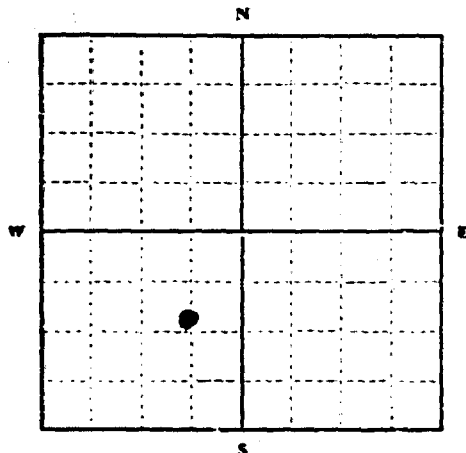
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DEC 5 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. *Bernard Riley* of *Pleyna* (Town)
(Name of Appropriator) (Address)
County of *Carter* State of *Montana*
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec 22 T. 4N R. 57
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
Year Round

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
12-15 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 Used

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
1949

8. The depth of water table
120 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 is 38 ft deep has 6" casing

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

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
Not Available

Signature of Owner *Bernard Riley*
Date *Dec. 6, 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.

112933

Filed for Record

at 3:20 P.M.

6 1907

James M. Brewster
County Clerk

Fee \$ 2.00

File No. _____

T. 44 R 57

DUPLICATE

County Carter

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 9 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1920

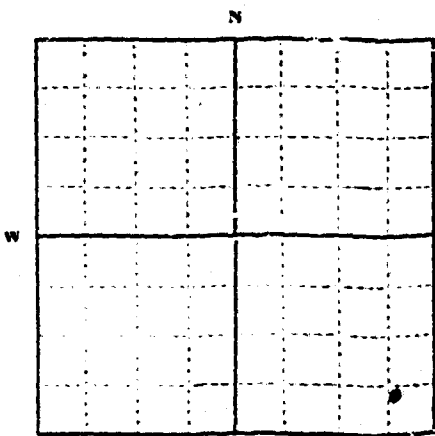
Owner Bernard Riley Address Plevna

Contractor (if any) None

Address of Contractor None

Date Started 1928 Date Completed 1948

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Natural spring has flow of 4 1/2 gal. per minute. Has spring box, which feeds to tank.



SE 1/4 Sec 22 T44N R57

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 _____

Spring runs year round

Signature of Owner Bernard Riley

Date Dec. 6, 1963

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

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

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

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

112924

Filed for Record

3:20 P.M.

DEC 6 1983

James M. Brewster
County Clerk

Deputy

Fee \$ 2.00

GW

File No. 109395

T. 47 R. 57E

DUPLICATE

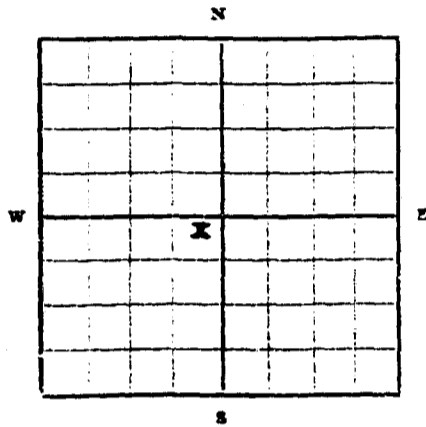
County Carter

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



SW 1/4 Sec. 24 T. 4N R. 57E

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

2. The beneficial use on which the claim is based -domestic and livestock-

3. Date or approximate date of earliest beneficial use; and how continuous the use has been -October, 1957 and since continuously used-

4. The amount of groundwater claimed (in miner's inches or gallons per minute) -15 gal. 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 -1 acre for garden and lawn Kenneth Cretsinger, owner-

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater -Commenced and completed in October, 1957-

8. The depth of water table -270'-

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 -flowing, 8" casing, 360 feet deep, jet pump used for pressure-

10. The estimated amount of groundwater withdrawn each year -225,000 gal.-

11. The log of formations encountered in the drilling of each well if available -25' clay; 6' gravel & sand; 239' clay; 3' rock; 90' water 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.

Signature of Owner Kenneth Cretsinger

Date Jan. 10, 1962

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.

109395

Filed for Record

at 2.00

JAN 19 1962

Ray Nickerson
County Clerk &
James E. ...
Deputy

Fee \$ 2.00

24

File No.

T. 4 N. R. 50 E. M.P.M.

DUPLICATE

County: Carter

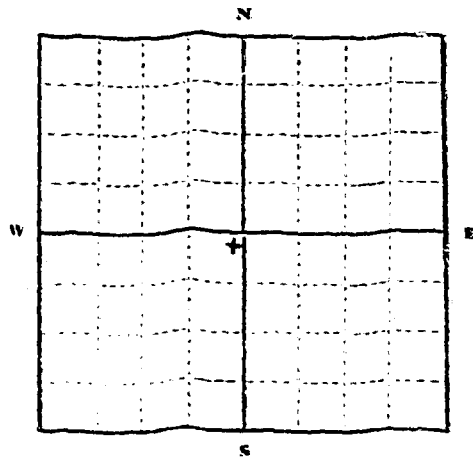
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 23 1963

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

1. Nellie Cretsinger & Kenneth Cretsinger of Plevna,
(Name of Appropriator) (Address) (Town)

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



SW 1/4 Sec. 24 T. 4 N. R. 50 E. M.P.M.

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 spring
3. Date or approximate date of earliest beneficial use; and how continuous the use has been It has been continuously used for this purpose since prior to 1917, although it is not known how many years before then.
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
Natural spring - open flow
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Not applicable
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 Not applicable
10. The estimated amount of groundwater withdrawn each year 5,256,000 gallons per year
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.

Nellie Cretsinger
Signature of Owner Kenneth Cretsinger

Date 12-10-63

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.

1134

11 3098

Filed for Record

at 1:45 P.M.

1908
J. M. Dunster
County Clerk

Deputy

Fee \$2.00

File No. T. 4N R. 57
County CARTER

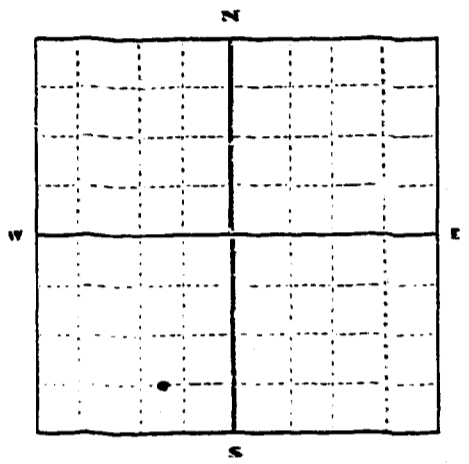
DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DEC 9 1963

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

I, BERNARD RILEY, of PEUNA, (Town)
(Name of Appropriator) (Address)
County of CARTER State of MONT.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



⁴SE 1/4 Sec 29 T. 4N. R. 57
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- The beneficial use on which the claim is based STOCK WATER
- Date or approximate date of earliest beneficial use; and how continuous the use has been YEAR-ROUND
- The amount of groundwater claimed (in miner's inches or gallons per minute) 6-8 GAL.
- 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
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
NATURAL FLOW
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater WELL WAS DRILLED 1953
- The depth of water table ARTESIAN
- 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 IS 110 FT. DEEP, FLOWS 6-8 GAL PER MIN, HAS 2" CASING
- The estimated amount of groundwater withdrawn each year 1,500,000 GAL
- The log of formations encountered in the drilling of each well if available
NOT AVAILABLE
- Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
NOT AVAILABLE

Signature of Owner Bernard Riley
Date DEC. 6, 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.

112929

Filed for Record

at 3:30 o'clock P.M.

DEC 6 1955

James M. Benator
County Clerk

DEPT

Fee \$ 2.00

File No.

T. ~~57~~ ^{4N} R. ~~57~~ ⁵⁷

DUPLICATE

County CARTER

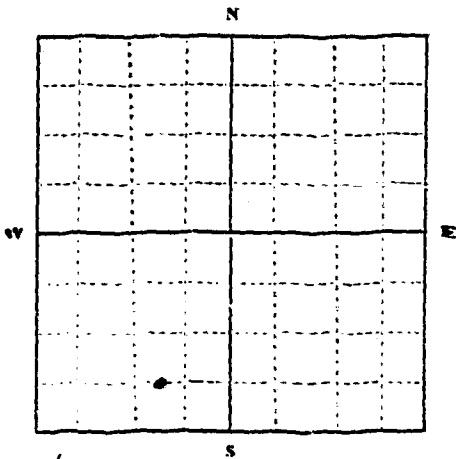
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DEC 9 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. BERNARD RELEY, of PLEYNA,
(Name of Appropriator) (Address) (Town)
County of CARTER State of MONT.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



^{1/2}
SE 1/4 SW Sec 24 T. 4 N. R. 57

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
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been YEAR-ROUND
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 GAL.
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
NOT USED
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
LET RUN & NATURAL FLOW
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater DILLED IN 1956
- 8. The depth of water table ARTESIAN
- 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 IS 3 1/2 FT DEEP, FULLS 1/2 IN DIA. 20 GAL MIN. HAS 2" CASING
- 10. The estimated amount of groundwater withdrawn each year 1, 440, 000 GAL
- 11. The log of formations encountered in the drilling of each well if available
NOT AVAILABLE
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
NOT AVAILABLE

Signature of Owner Bernard Reley

Date DEC. 6, 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.

112928

Filed for Record
at 3:20 P.M.

DEC 6 1953

James M. Brewster
County Clerk

Deputy

Fee \$ 2.00

File No. _____

APR 29 1966

T 4 N R 57 W

DUPLICATE

Billie _____ McDermott _____
Butzen _____ McNulty _____
Coyle _____ Merton _____
Darinton _____ Sullivan _____
Dickert _____

County CARTER

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. 3050)

1	SURFACE
25	TANE SANDY CLAY
31	SAND & GRAVEL
59	LIGHT GRAY SHALE STREAKS OF COAL
64	LIGHT BLUE & WHITE SAND
120	GRAY & BROWN SHALE STREAKS OF COAL
152	BLUE & WHITE SAND
158	GRAY SHALE

Show exact depth of bottom.

Owner ASKIN School Dist #3 Address Ekalaka, MONT.
Driller MARIE R. Bandy Address BELLE FOURCHES,

Date of Notice of appropriation of groundwater _____

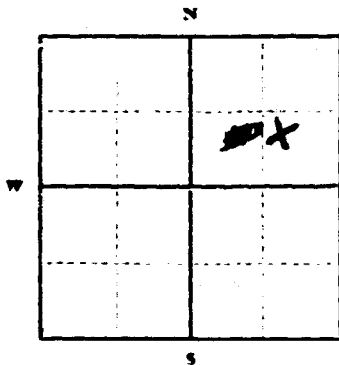
Date well started 4-7-66 Date completed 4-9-66

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>5 7/8</u>	<u>11 lb.</u>	<u>121</u>	<u>151</u>	<u>5/8</u>	<u>121</u>	<u>151</u>
		<u>0</u>	<u>152 1/2</u>	<u>CUT WITH TOUGH</u>		



Static Water Level for non-flowing well 42 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 150 feet at 30 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested PUMPED

Length of Test 1 HOUR

Remarks: (Gravel packing, cementing, pack-

SE 1/4 Sec 26 T4N R57W type of shutoff) CEMENTED WITH 13 SACKS CEMENT
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.

112
Driller's License Number

Marie R. Bandy
Driller's Signature

40995

117126

CARTER COUNTY
HILLMAN, MONTANA

Filed for Record
at 1:40 P.M.

APR 21 1965

James M. Swartz
County Clerk

Deputy

Fee \$ 5.00

26

File No. _____

DUPLICATE

R

T 4 N R 57

County ~~Beaumont~~ Carter

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DEC 9 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1930

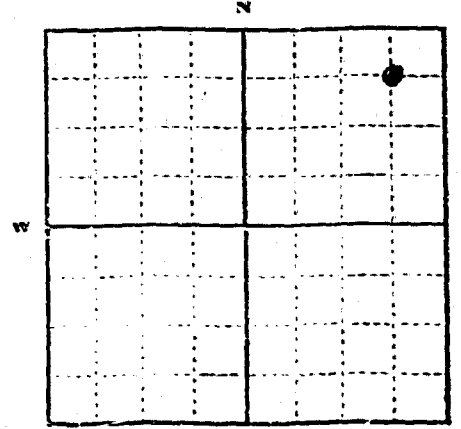
Owner Bernard Riley Address P12170

Contractor (if any) None

Address of Contractor None

Date Started 1947 Date Completed 1947

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Natural spring has flow of 4 1/2 gal per min. Has spring box, which feeds to tank, is used for stock water.



NE 1/4 Sec 26 T44N R57
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.

Spring runs year around

Signature of Owner Bernard Riley

Date Dec 6, 1963

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

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

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

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

2016

112923

Filed for Record

at 3:20 P.M.

DEC 6 1963

Jane M. Burnett
County Clerk

Deputy

Fee \$2.00

File No.

T. 4N R. 57

DUPLICATE

County Carter

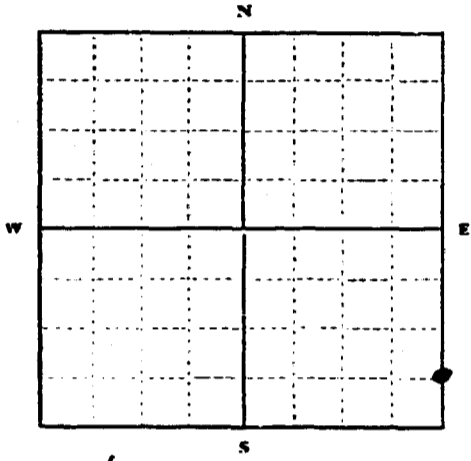
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DEC 5 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Bernard Riley, of PICENA, MONT.
(Name of Appropriator) (Address) (Town)
County of Carter State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec 27 T. 4N. R. 57

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
MARCH 15th. JAN 15th
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute)
12-15 gal. per min.
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
NOT USED
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Windmill - pump Jack
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
1951
- 8. The depth of water table
80 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 is 185 ft deep, has 6" casing
- 10. The estimated amount of groundwater withdrawn each year
1,800,000
- 11. The log of formations encountered in the drilling of each well if available
Not available
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.
Not available

Signature of Owner Bernard Riley
Date Dec. 6, 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.

112931

Filed for Record

at 3:20 o'clock P.M.

DEC 6 1963

James M. Burnett
County Clerk

Deputy

File No. _____

T. 4N R 57

DUPLICATE

County Carter

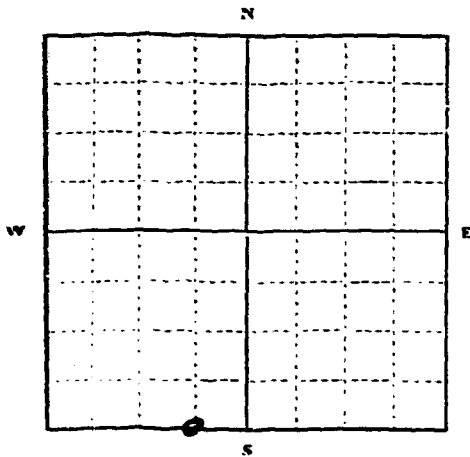
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 9 1963

I, Bernard Riley, of Plevna (Name of Appropriator) (Address) (Town)
County of Carter State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec 7 T. 4N R. 57

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 MARCH 1ST, JAN. 1ST.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15-20 gpm. 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 Not used
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal WIND MILL
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Well was drilled in 1952
8. The depth of water table 75 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well is 200 ft deep has 6" casing
10. The estimated amount of groundwater withdrawn each year 1,500,000 gal.
11. The log of formations encountered in the drilling of each well if available Not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Not available

Signature of Owner Bernard Riley

Date Dec. 6, 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.

112932

Filed for Record

at 3:20 P.M.

6 1963

Jane M. Brewster
County Clerk

Deputy

Fee \$ 2.00

112920

Approved Stock Form—State Publishing Co., Helena, Montana—11921

File No.

T. 4N R. 57E

DUPLICATE

County **CARTER**

72 12.00

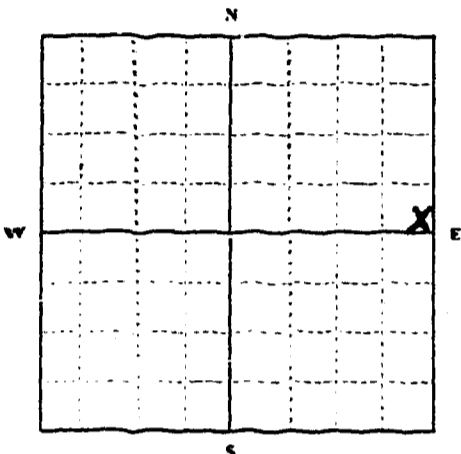
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 9 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, **H. L. Askin**, of **Ekalaka**,
(Name of Appropriator) (Address) (Town)
County of **CARTER** State of **Montana**
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE
1/4 Sec. 34 T. 4N R. 57E

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 **1946**

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

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

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

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

8. The depth of water table **9 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 **Spring**

10. The estimated amount of groundwater withdrawn each year **1,576,800 gal**

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

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

Filed for Record

DEC 6 1963

Jane M. Brewster
County Clerk

Callie M. Stein

Signature of Owner **H. L. Askin**

Date **DEC 2, 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.

File No.

T 4N R 57

DUPLICATE

County CARTER

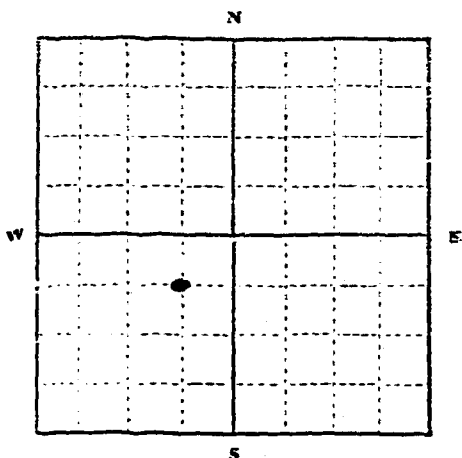
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

DEC 6 1963

1. BERNARD RILEY of PLEYNA
(Name of Appropriator) (Address) (Town)
County of CARTER State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



~~WEST~~ Sec 36 T4N R57

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
Sept. 15, 1890 thru 1958

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
15-20 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 Used

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Wind Mill - Pump Jack

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
1947

8. The depth of water table
34 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 is 150 ft deep has 4" casing

10. The estimated amount of groundwater withdrawn each year
1,259,000 gpm

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
Not Available

Signature of Owner Bernard Riley

Date Dec 6, 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.

112930

Filed for Record

at 3:00

1963

James M. Brewster
County Clerk

Deputy

Fee \$ 2.00

File No. _____
DUPLICATE

T. 4N R. 58
County CARTER

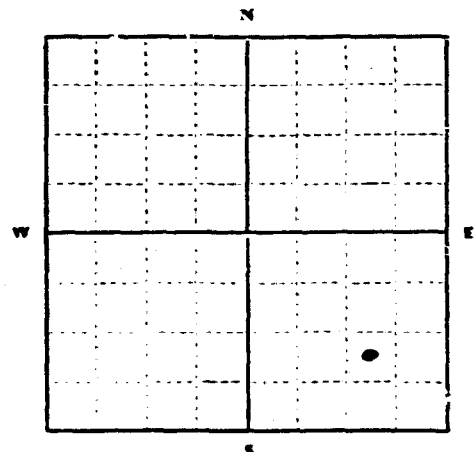
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DEC 6 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. BERNARD RILEY of REYNA
(Name of Appropriator) (Address) (Town)
County of CARTER State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



- 2. The beneficial use on which the claim is based STICK WATER
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been JULY 15TH - FEB. 15TH
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12-15 GAL. PER MIN.
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof NOT USED
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal WINDMILL

Sec. 4 T. 4N R. 58
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater WELL WAS DRILLED IN 1950 AND COMPLETED FOR STICKWATER USE ONLY IN 1961
- 8. The depth of water table 80 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 IS 200 FT. DEEP, FLOWS 12-15 GALLONS PER MIN., HAS 6" CASING
- 10. The estimated amount of groundwater withdrawn each year 756,000 GAL.
- 11. The log of formations encountered in the drilling of each well if available NOT AVAILABLE
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record NOT AVAILABLE

Signature of Owner Bernard Riley
Date Dec 6, 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.

112925

Filed for Record

300

DEC 6 1965

John M. Bruner
COUNTY CLERK

DEPUTY

700

File No.

T. 4N. R. 58

DUPLICATE

County. CARTER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

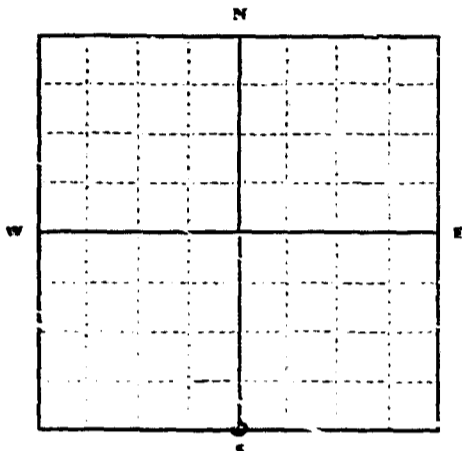
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 9 1963
STATE ENGINEER

1. BERNARD RILEY of PLEYNA MONT.
(Name of Appropriator) (Address) (Town)

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



SE 1/4 SW 1/4 Sec. 5 T. 4N. R. 58

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 MAR. 1ST - FEB. 1ST

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 GAL. PER MIN.

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1950

8. The depth of water table 126 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 WELLS 700 FT. DEEP, HAS 6" CASING, HAS DARK ARTESIAN WATER

10. The estimated amount of groundwater withdrawn each year 1,250,000 GAL.

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
NOT AVAILABLE

Signature of Owner. Bernard Riley

Date Dec. 4, 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.

112926

Filed for Record

3:20 P.M.

SEP 6 1922

James M. Brewster
County Clerk

Deputy

Fee \$ 2.00

102065

T. 4 N. R. 58 E.
County Carter

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

	X	

Owner Arthur Kuehn Address Baker, Montana
Driller Omar Address
Date Started Date Completed October 1, 1957
Location: Sec. 9 T. 4 N. R. 58 E. 1/4 sec. NE 1/4

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other:

Casing: 36 In. culvert to ft. Type round Size 40 inch

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 2 ft. from bottom up Ft. to ft.

Type of screen or perforations

Static Water level, for non-flowing well: 7 feet water 18 ft. deep feet.

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

Pumping water level feet at gal per min.

How tested:

Length of test

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

(over)

102938

RECEIVED

17

T. 4 N. 5th R. 58 East

County CARTER

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

x		

Owner Jack Hanley Address Plevens, Montana

Driller C. L. Askin Address Miles City, Montana

Date Started June 2, 1958 Date Completed June 10, 1958

Location: Sec. 17 T. 4 N. R. 58 E. 1/4 sec. SW1/4

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

Water use: Domestic Municipal Stock Irrigation

Industrial Drainage Other: _____

Casing: 0 ft. to 398 ft. Type Pipe Size 4"

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: _____ feet.

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

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

How tested: Bailed

Length of test: 1 Hour

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

(over)

File No. _____

T. 4 N. R. 5 E

DUPLICATE

County CARTER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

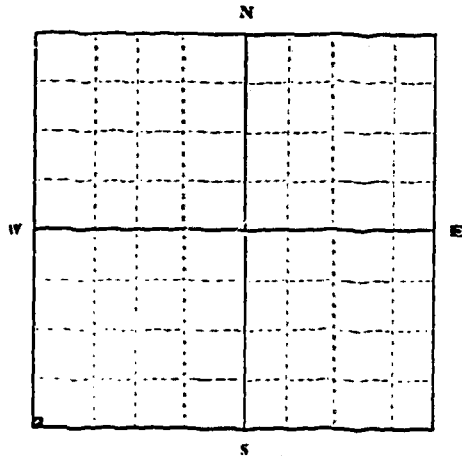
DEC 3 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. BERNARD RILEY of PLEYNA
(Name of Appropriator) (Address) (Town)

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



W 1/4 Sec 7 T. 4 N. R. 5 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 MAR. 1ST - FEB. 1ST

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 - 20 GAL

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater WELL WAS DRILLED IN 1955, STOCK WATER USE ONLY

8. The depth of water table 75 FT.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater WELL IS 180 FT DEEP, HAS DARK ARTESIAN WATER, 6" CASING

10. The estimated amount of groundwater withdrawn each year 1, 250,000 GAL.

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

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

Signature of Owner Bernard Riley

Date DEC. 6, 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.

112927

Filed for Record
11 3:20 P.M.

James M. Brewster
County Clerk

Deputy

Fee \$7.00

109214

18

Form No. 18
8-60

T. 4 North R. 58 East
County Carter

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

Water Well Log

STATE ENGINEER

Owner Pat Hanley Address Plevna, Montana
Driller Geo. Askin Address Miles City, Montana
Date Started Aug., 12, 1956 Date Completed Aug., 22, 1956
Location: Sec. 18 T. 4 N. R. 58 E. $\frac{1}{4}$ sec. SWW

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: 0 ft. to 194 ft. Type Iron pipe Size 4 Inch

Casing: 194 ft. to 365 ft. Type Iron pipe Size 2 inch

Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or screened: Ft. 305 to ft. 365 . Ft. _____ to ft. _____

Type of screen or perforations Holes cut with cutting torch

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

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

Pumping water level 50 feet at 5 gal. per min.

How tested: baled

Length of test 2 Hours at 9 Gal per minute

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

(over)

109213

21

Form No. 18
8-60

T. 4 North R. 58 East

County Carter

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

Water Well Log

STATE ENGINEER

Owner Pat Hanley Address Plavna, Montana

Driller Henry Briant Address Etalain, Montana

Date Started Nov., 1, 1954 Date Completed Nov., 5, 1954

Location: Sec. 21 T. 4 N. R. 58 E. $\frac{1}{4}$ sec. S2SW

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: 0 ft. to 138 ft. Type Iron pipe Size 6 inch

Casing: _____ ft. to _____ ft. Type _____ Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or screened: Ft. 118 to ft. 138 . Ft. _____ to ft. _____

Type of screen or perforations Round holes

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

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

Pumping water level 75 feet at 5 gal. per min.

How tested: Isled

Length of test 1 Hour, at 8 gal per minute

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

(over)

GV

File No. 109394

T. 47 R. 58

DUPLICATE

County Carter

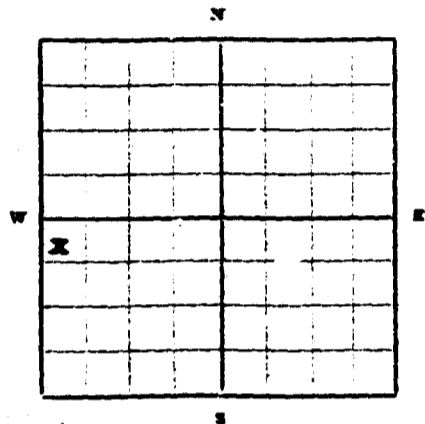
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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



STATE ENGINEER

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



SW 1/4 Sec. 30 T. 4N R. 58E

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

2. The beneficial use on which the claim is based watering livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been October, 1948
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 1/2 gal. 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 pumped by 2 1/2" cylinder
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater commenced and completed October, 1948
8. The depth of water table approximately 70'
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" casing, depth 90 feet, pump powered by windmill
10. The estimated amount of groundwater withdrawn each year 780,000 gal.
11. The log of formations encountered in the drilling of each well if available 35' clay; 2' sand; 53' clay; 20' water 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.

Signature of Owner Kenneth Cretsinger
Date Jan. 10, 1962

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.

10939L

Filed for Record

12:00 P.M.

JAN 19 1962

Ray Nickerson
County Clerk

James M. ...

Feb 21 05

File No. _____

T. 4-N R. 58-E

DUPLICATE

County CARTER

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Top of Ground
(Elev. above sea level _____)

7 SURFACE
50 TANT GRAY SANDY SHALE
70 SAND & GRAVEL
111 light GRAY silty shale
129 DARK GRAY shale TANEST COAL
133 light GRAY shale
149 COAL
152 light GRAY shale
159 COAL
163 GRAY shale
168 WHITE SAND
172 GRAY shale
176 WHITE SAND
205 light GRAY shale
227 hard SAND ROCK
274 GRAY + light BROWN shale
276 SAND ROCK
298 GRAY shale
310 COAL
361 GRAY shale STREAKS OF COAL
392 GRAY SANDY shale
408 light GRAY shale
410 hard SAND ROCK
429 GRAY shale
433 COAL
457 GRAY shale
465 BLUE SANDY shale
528 BLUE & WHITE SAND
540 GRAY shale

Show exact depth of bottom.
540

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 KENNETH CRETSINGER Address ELYNA MONT.
Driller MEALE R. BONDY Address ELLE FOUACHE, S.D.

Date of Notice of appropriation of groundwater _____

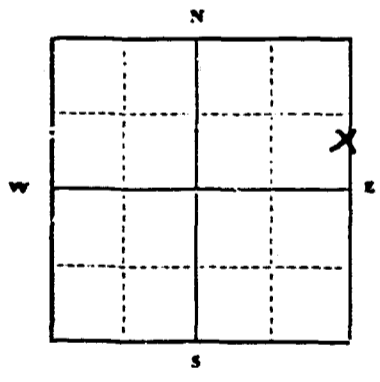
Date well started 5-8-68 Date completed 5-23-68

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 7/8	4 in. I.D.	0	112	SLOTS	482	524
AND	AND	112	524	CUT WITH TORCH		
3 in.	2 in. I.D.					



Static Water Level for non-flowing well _____ feet. 23

Shut-in Pressure for Flowing Well _____

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

Discharge in gal. per min. of flowing well _____

How Tested PUMPED

Length of Test 1 hour

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

SE 1/4, NE 30, T. 4-N, R. 58-E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.
CEMENTED 75ALK
REQ. CEMENT.

(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).

112
Driller's License Number

Meale R. Bondy
Driller's Signature

44172

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.

121507

CARTER COUNTY
EKAUKA MONTANA

Filed for Record

900

MAY 27 1968

John M. Bunker
John M. Bunker

Fee: \$7.00

File No.

STATE WATER CONSERVATION BOARD
RECEIVED
JUL 17 1966

T 4 N R 5 E

DUPLICATE

County Carter

REFERRED TO

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Harry Chackin Address Willard

Driller Sherry Brent Address Chalchmont

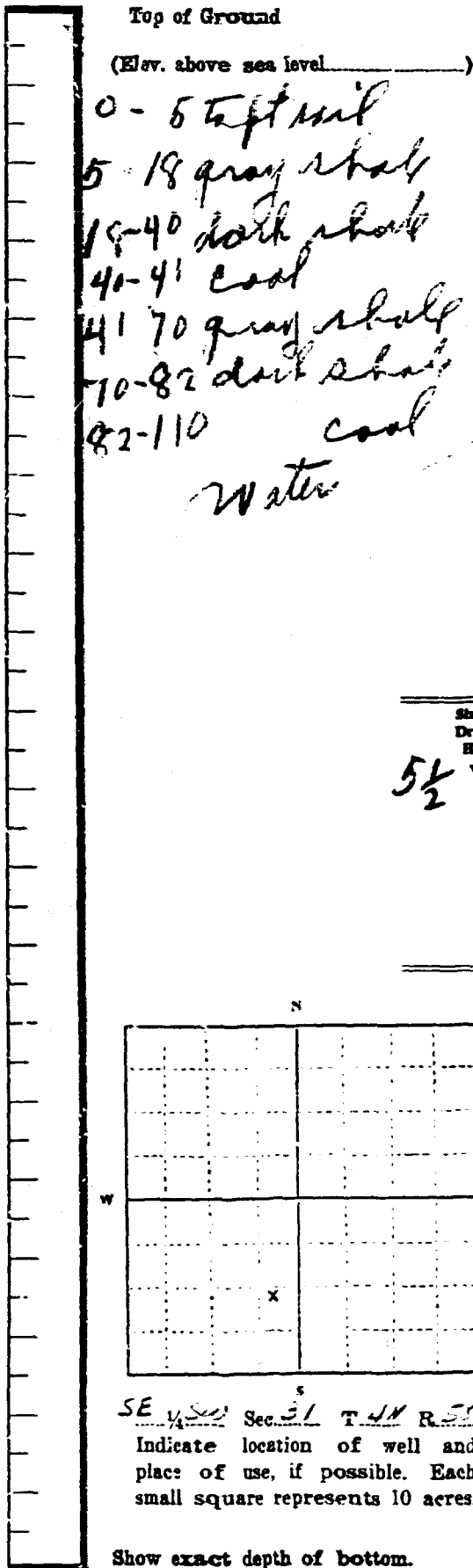
Date of Notice of Appropriation of Groundwater

Date well started July 20 Date Completed July 20

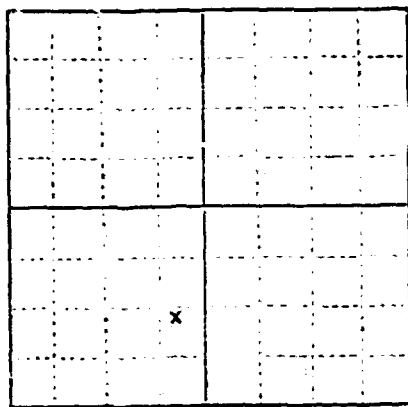
Type of well Drilled Equipment Used Rotary
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 1/2"	4" ID 7 Packer per ft	0	110	Round hole 1/4"	68	110



SE 1/4 Sec. 31 T 4 N R 5 E

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 _____ feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 20 ft feet at 6 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested bauling Length of Test 1 hour

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

66
Driller's License Number

Sherry Brent
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.

39320

115887

CARTER COUNTY
EKALAKA, MONTANA

Filed for Record

at 3:10 P.M.

JUL 26 1965

James M. Brewster
County Clerk
Walter M. King
Deputy

Fee: \$2.00

GV

File No.

T. 41 R. 3E

DUPLICATE

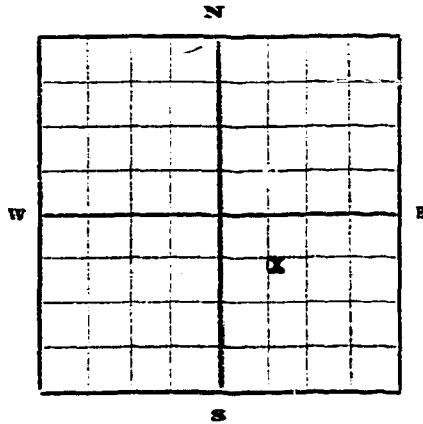
County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

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

1. Kenneth Gratainger of Plavna
(Name of Appropriator) (Address) (Town)
County of Julian Carter State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 SE 1/4 Sec. 32 T. 41 R. 53E

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 and continuous use since that time

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
5 gal. 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
windmill and cylinder pump

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

8. The depth of water table
460 feet deep, water about 80 feet from ground level

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
460 feet deep, 4 inch casing, 1 1/2" tubing, 2 1/2" flush cap cylinder

10. The estimated amount of groundwater withdrawn each year
120,000 gallon

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

Signature of Owner

Date July 17, 1962

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.

12-7-62

110491

Filed for Record

at 2:30 o'clock P. M.

JUL 25 1962

Ray H. Fisher
County Clerk

\$ 2.00 Fee

File No. _____

T. 4 N R. 58 E

DUPLICATE

County: Carter

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 20 1963

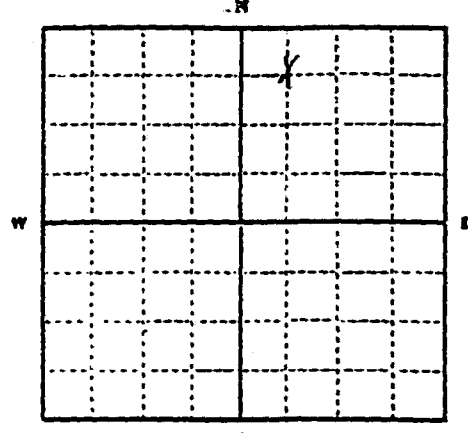
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

ROLAND E. CRETSINGER, of WILLARD (Name of Appropriator) (Address) (Town)

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



N. 1/4 Sec. 33 T. 4 R. 58

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 IRRIGATION & STOCK WATER

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

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1 ACRE

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. SEPT. 15, 1958 COMPLETED OCT. 1, 1959

8. The depth of water table 20 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. DEPTH 44 FT. HOLE 18" DIA.

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

Signature of Owner Roland E. Cretsinger

Date Dec 17, 1963

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

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

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

113085

FILED FOR RECORD
2:35 P.M.

JAN 17 1985
John M. Swartz
County Clerk

Deputy

7-2-85