

Mass # 15735
15735

226706

Filed: Dec 30 1963
Per # 2
At: 2:04 P.M.

Rosalind Maloney
Clark + Rouben

File No. _____

STATE WATER CONSERVATION BOARD

T. 24 R. 25E

18

DUPLICATE

AUG 23 1966

County Phillips

Top of Ground

(Elev. above sea level)

0 15 sandy brown shale
 15 35 blue shale
 35 48 sandy green shale
 48 58 grey sandstone
 58 70 dark sandy shale
 70 90 grey sandy shale sandstone
 90 95 sandy grey shale
 95 95% rock layer
 95% 135 shale & sandstone layers
 135 198 sandstone water

Billie _____ McDermott STATE OF MONTANA
 Butzerin _____ ADMINISTRATOR OF GROUNDWATER CODE
 Coyle _____ OFFICE OF STATE ENGINEER
 Darlington _____ Sullivan
 Dickert _____

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner B. M. Phillips Address Landusky, Montana
 Driller Simpson Drilling Co Address Malta, Montana

Date of Notice of appropriation of ground water _____

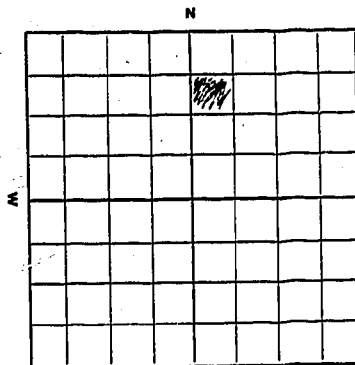
Date well started July 13 1966 Date Completed July 20, 1966

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
8	6" 19 lb	0	198	3/16 holes	138	198



NW 1/4 NE 18 Sec 18 T24 R25E
 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 40 feet.Shut-in Pressure for Flowing Well 145Pumping Water Level 9 feetat 9 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested bailerLength of Test one 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) gravel packed well

15

Driller's License Number

Robert C. Simpson
 Driller's Signature

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

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

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

41,329

Miss # 163 23

243479

State of Montana, }
County of Phillips, }

Filed for Record this 22 day
of Aug. A. D. 1946 at 11:40
o'clock A. M. and duly Recorded in book

Page of
Rosaline M. Maloney County Recorder

By

Fee. \$ 2.50

Return

City	County	Assessed	Excess	Rate	Amount	Year	Month	Day
Butte	Butte	100.00	0.00	0.00	0.00	1946	8	22
Helena	Helena	100.00	0.00	0.00	0.00	1946	8	22
Great Falls	Great Falls	100.00	0.00	0.00	0.00	1946	8	22
Missoula	Missoula	100.00	0.00	0.00	0.00	1946	8	22
Bozeman	Bozeman	100.00	0.00	0.00	0.00	1946	8	22
Billings	Billings	100.00	0.00	0.00	0.00	1946	8	22
Calverton	Calverton	100.00	0.00	0.00	0.00	1946	8	22
Chapman	Chapman	100.00	0.00	0.00	0.00	1946	8	22
Choteau	Choteau	100.00	0.00	0.00	0.00	1946	8	22
Conrad	Conrad	100.00	0.00	0.00	0.00	1946	8	22
Crown Butte	Crown Butte	100.00	0.00	0.00	0.00	1946	8	22
Deer Lodge	Deer Lodge	100.00	0.00	0.00	0.00	1946	8	22
Donnelly	Donnelly	100.00	0.00	0.00	0.00	1946	8	22
East Helena	East Helena	100.00	0.00	0.00	0.00	1946	8	22
Ennis	Ennis	100.00	0.00	0.00	0.00	1946	8	22
Farwell	Farwell	100.00	0.00	0.00	0.00	1946	8	22
Glacier	Glacier	100.00	0.00	0.00	0.00	1946	8	22
Glacier House	Glacier House	100.00	0.00	0.00	0.00	1946	8	22
Great Falls	Great Falls	100.00	0.00	0.00	0.00	1946	8	22
Hamilton	Hamilton	100.00	0.00	0.00	0.00	1946	8	22
Harlow	Harlow	100.00	0.00	0.00	0.00	1946	8	22
Helena	Helena	100.00	0.00	0.00	0.00	1946	8	22
Liberty	Liberty	100.00	0.00	0.00	0.00	1946	8	22
Malta	Malta	100.00	0.00	0.00	0.00	1946	8	22
Marathon	Marathon	100.00	0.00	0.00	0.00	1946	8	22
Medicine Lake	Medicine Lake	100.00	0.00	0.00	0.00	1946	8	22
Missoula	Missoula	100.00	0.00	0.00	0.00	1946	8	22
Montana	Montana	100.00	0.00	0.00	0.00	1946	8	22
North Helena	North Helena	100.00	0.00	0.00	0.00	1946	8	22
Plains	Plains	100.00	0.00	0.00	0.00	1946	8	22
Polson	Polson	100.00	0.00	0.00	0.00	1946	8	22
Red Boiling Springs	Red Boiling Springs	100.00	0.00	0.00	0.00	1946	8	22
Shelby	Shelby	100.00	0.00	0.00	0.00	1946	8	22
St. Ignace	St. Ignace	100.00	0.00	0.00	0.00	1946	8	22
Thompson Falls	Thompson Falls	100.00	0.00	0.00	0.00	1946	8	22
Two Rivers	Two Rivers	100.00	0.00	0.00	0.00	1946	8	22
Virginia City	Virginia City	100.00	0.00	0.00	0.00	1946	8	22
Wendell	Wendell	100.00	0.00	0.00	0.00	1946	8	22
White Sulphur Springs	White Sulphur Springs	100.00	0.00	0.00	0.00	1946	8	22
Yellowstone	Yellowstone	100.00	0.00	0.00	0.00	1946	8	22

File No. 442

T24N R25E 22

County Phillips

DUPLICATE

Top of Ground

(Elev. above sea level)

0 21 brown clay
 21 31 gravel some clay
 31 35 gravel
 35 70 gravel some clay

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)

Jenro Ranch Company by

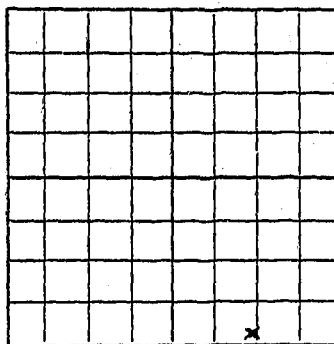
Owner Robert L. Lund, Pres. Address Zortman, Montana 59546Driller Simpson Drilling Co. Address Malta, Montana 59538

Date of Notice of appropriation of ground water

Date well started January 30, 1968 Date Completed Feb. 3, 1968Type of well drilled
(dug, driven, bored or drilled)Equipment used churn
Churn, drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☒ observation well

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)
7	6 19#	0	70	slots	54	69



SW 1/4 SE 22 T24N R25E
 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
24 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 26 feet.

at 15 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested bailerLength of Test one 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)

15

Driller's License Number

JENRO RANCH COMPANY

Robert L. Lund
Driller's Signature

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

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

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

43,890

Min # 16514

247234

State of Montana,
County of Phillips,

Filed for Record this 6 day
of May, A. D. 1962 at 3:20
o'clock P.M. and duly recorded in book

Page
Rosaline M. Maloney

By

Fee 2.00

Return

Elaboration of the

1962, Volume 2222

1962, Volume 2222

1962, Volume 2222

1962, Volume 2222

1962, Volume 2222

1962, Volume 2222

1962, Volume 2222

1962, Volume 2222

1962, Volume 2222

GW2

File No. _____

DUPLICATE

T 26 N R 23

County Phillips

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1957

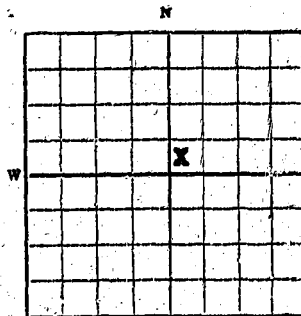
Owner Lary JD Cattle Co Address Fortman, Montana

Contractor (if any) _____

Address of Contractor _____

Date Started 1957 Date Completed 1963

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



SW 1/4 Sec. 25 T24 R25

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

10 gpm, continuous use.

Signature of Owner Lary JD Cattle Co

Date December 26th, 1963

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

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

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

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

18036

Thru # 15734

15734

236705

Filed: Dec. 30, 1963

at 2:03 P.M.

Per # 2.00

Rosalind Maloney
Clerk & Recorder

File No. 3W2

T24N R25E 27

County Phillips

DUPLICATE

Top of Ground

(Elev. above sea level _____)

0 15 brown clay
 15 20 clay and gravel
 20 22 grey clay
 22 29 gravel and water
 29 33 small gravel some clay
 33 40 clean gravel
 40 43 gravel
 43 48 gravel
 48 50 gravel some clay

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 Jenro Ranch Company by
Robert L. Land, President Address Zortman, Montana 59546
 Driller Simpson Drilling Co Address Malta, Montana 59538

Date of Notice of appropriation of ground water _____

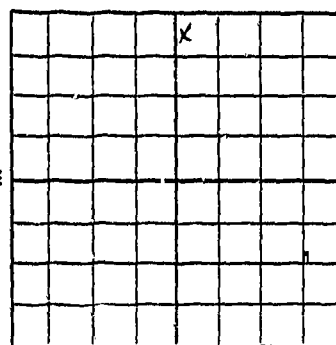
Date well started Oct 17, 1967 Date Completed Dec 7, 1967

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
14 inch	14" 55#	0	32	Johansen stainless steel screen	30 1/2	50
				slot 120	32	44
				slot 50	44	50



NW 1/4 NE Sec 27 T24N R25E
 Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing well 18 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 28 feetat 300 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested pumpedLength of Test 8 hours

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

used for irrigation) To be used to irrigate 270A.

Show exact depth of bottom.

Driller's License Number 15Driller's Signature Robert C. Simpson

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

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

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

43,889

247233

Filed for Record this, ... 6 ... day
of ... Mar. ... A. D. 1948 Mar. 3 '45
o'clock P. M. and duly recorded in book.

By

Fee.....7.00.....

Return:

File No.

T. 24 N R. 25 E

DUPLICATE

County Phillips

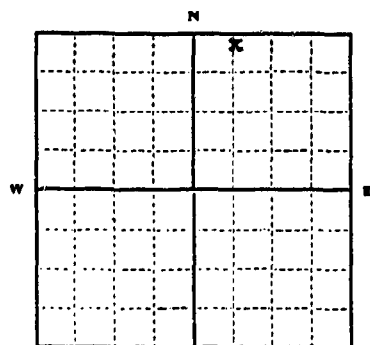
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1963

Declaration of Vested Groundwater Rights **PHILLIPS** ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. **Robert L. Lund**, of **Zortman**
(Name of Appropriator) (Address) (Town)
County of **Phillips** State of **Montana**
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 27 T. 24 N R. 25 E

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

2. The beneficial use on which the claim is based **domestic, stock-water & garden irrigation**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been **approximate 1910 - continuous since**

4. The amount of groundwater claimed (in miner's inches or gallons per minute) **8 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 **used to irrigate garden by S. S. Fowitt, 1/4 acre**

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal **jet pump now but originally windmill on cylinder pump.**

7. The date of commencement and completion of the construction of the well, wells or other works for withdrawal of groundwater **dug well in 1910, drilled well in spring of 1950**

8. The depth of water table **30 ft. to water**

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater **drilled well has 6" casing and jet pump pumps at least 7 gpm**

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

11. The log of formations encountered in the drilling of each well if available **0-20" soil; 20-30" gravel.**

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

Above historical information
obtained from S. S. Fowitt

Signature of Owner

Date

Robert L. Lund
Dec. 27, 1963

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

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

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

18050

Disc # 15748
15748

236719

Filed: Dec. 30, 1963
at: 2:17 P.M.
File # 2. "

Rosalind M. Maloney
Clerk & Recorder

File No.

T. 24^N R. 25^E

DUPLICATE

County Phillips

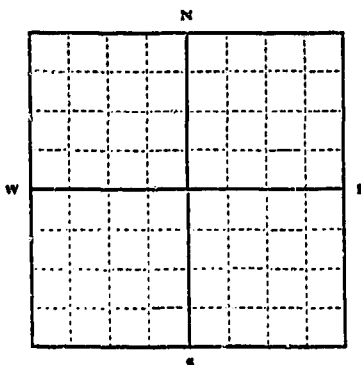
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

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

1. Floyd Robinson, an officer of the Lazy D Cattle Co. of Zortman,
(Name of Appropriator) (Address) (Town)

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



NEEN 1/4 Sec. 36 T24 R. 25

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

2. The beneficial use on which the claim is based
stock water and domestic.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1957 - continuous

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

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

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

8. The depth of water table 15 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 5" casing, 20' deep

10. The estimated amount of groundwater withdrawn each year 3,000,000 gpy

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 Floyd Robinson

Date December 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 Montana Bureau of Mines and Geology, and Quaduplicate for the Appropriator.

19029

Misc # 15727

236698

Filed: Dec 30, 1963
at: 1:56 P.M.
Fee \$ 2.00

Rosaline W. Maloney

Clerk & Receiver

GROUNDWATER INDEX

Page 1 of 1

County Phillips

Twp. 24N

Rge. 36 E

[illegible]

GWS

File No. _____

DUPLICATE

T. 24 N. E R. 26County Phillips

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1957

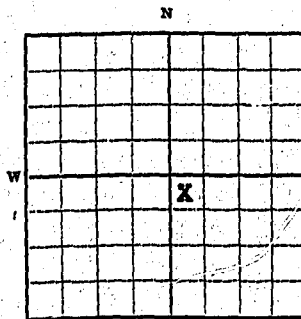
Owner Lazy JD Cattle Co Address Zortman, Montana

Contractor (if any) _____

Address of Contractor _____

Date Started 1957 Date Completed 1963

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



NWSE 1/4 Sec. 4 T. 24 R. 26

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 _____

2 gpm, continuous

Signature of Owner Lazy JD Cattle Co
Edgar L. Robinson Sec. Treas

Date December 26, 1963

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

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

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

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

Miss # 15733
15733

226704

Filed Dec 30, 1963
At 2:02 P.M.
Per [illegible]

Rosalind M. Maloney
Clerk & Researcher

GW 2

File No. 1

DUPLICATE

RECEIVED
FEB 7 1962T. 24 R. 26County Phillips

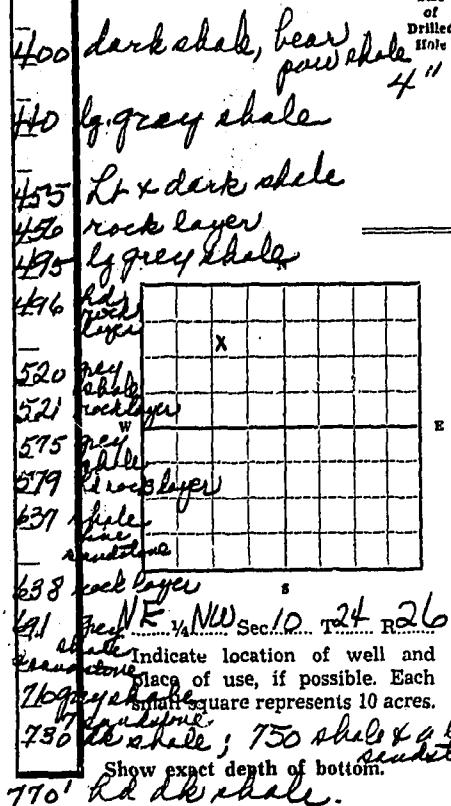
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERNotice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Larry J. O. Cattle Co. Address Zortman, Mont.
Driller Simpson Drilling Co. Address Maltby, Mont.Date of Notice of Appropriation of Groundwater Feb 6, 1962Date well started Dec 1, 1961 Date Completed Jan. 6, 1962Type of well drilled Equipment Used rotary
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, 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.

Top of Ground
(Elev. above sea level. 3400')
brown clay
clay & Gravel250' water level

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4"		0'	770'	1/4" holes	638	691
				"	691	710
				"	730	750

Static Water Level for non-flowing Well 250 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 250 feet at 8 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Railer Length of Test 4 hrs

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

acres irrigated, if used for irrigation) _____

packers placed at 638 and at 730 feet.Driller's License Number 15Driller's Signature R. L. Simpson

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

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

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

1387

misc # 15182

230849

State of Montana, } ss.
County of Phillips,

Filed for Record this 6..... day
of Feb..... A. D. 1962. 2:35
o'clock P..M. and duly Recorded in book

Joseph Judge.....
County Recorder

By.....
Fee. 4.25.....

Return:.....

State of Montana	County of Phillips	Book	Page
Filed for Record	Feb 6 1962	2:35 P.M.	
Recorded in Book			
By			
Fee	4.25		
Return			

File No.

T. 24 N. R. 26 E.

DUPLICATE

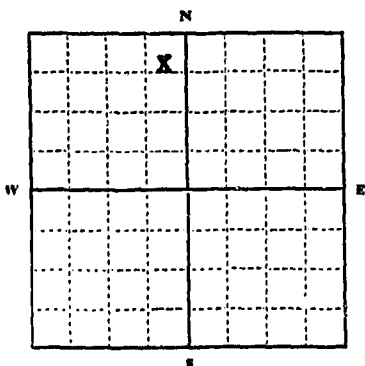
County Phillips

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

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

1. Floyd Robinson, an officer of the Lacy JD Cattle Co. of Zortman,
(Name of Appropriator) (Address) (Town)
County of Phillips State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec 13 T 24 R 26

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

2. The beneficial use on which the claim is based stock water and domestic
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1961 and continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1961
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 4 1/2" casing, 320' deep.
10. The estimated amount of groundwater withdrawn each year 3,500,000 gpy
11. The log of formations encountered in the drilling of each well if available 0-150 black shale; 150-330 fish shale and bentonite; 330-450 black shale; 450-600, black shale & bentonite; 600-562 shale & lignite; 652-687, bentonite; 687-739 sand layer; 739-860, bentonite; 860-884, sand; 884-907-brown shale;
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 Lacy JD Cattle Co.
Floyd Robinson

Date December 26, 1964.

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.

18030

MEC # 15738
15728

236699

Subscribed Dec 30, 1962
At 1:57 P.M.
Jan 2, 1963

Rosaline M. Maloney
Clark & Maloney

RECEIVED

Form No. 18
8-60

Record

13

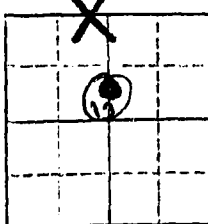
T. 24 R. 26
County Phillips

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
MAR 9 1961

WATER WELL LOG

STATE ENGINEER



Owner Lazy JD Cattle Compy, Address Malta, Mont.
Driller Hellman & Munson Drig. Co. Address Grass Range, Mont.
Date Started Feb. 14 1961 Date Completed Mar. 2 1961
Location: Sec. 13 T. 24 R. 26 $\frac{1}{4}$ sec. NE NW

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

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

Casing: 0 ft. to 907 ft. Type 11# Std. Blk. Size 4 1/2" O.D.

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

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

Perforated or Screened: Ft. 887 to ft. 907 Ft. 827 to ft. 847
887 887

Type of screen or perforations Regular

Static Water level, for non-flowing well: 204 feet.

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

Pumping water level 320 feet at Seven gal. per min.

How tested: Three hrs. Balling

Length of test Three hrs.

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
Very little water indicated before 907 ft when displacement on D.C. Float made about four cala on two minute intervals.

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	10	Surface Gravel
10	160	Shale Black
160	330	Shale Fish scales
330	335	Pentonite
335	450	Shale Black
450	460	Shale & Bentonite
460	560	Shale Black
560	600	Shale & Bentonite
600	640	Shale Brownish
640	650	Shale brownish Red (nocks)
650	658	Conglomerate Thin Brown Layer of Lignite
658	697	Bentonite Sand (Gas Pockets)
697	730	Bentonite Sand Thin Hard Sand Layers
730	740	Coal
740	780	Bentonite Sand Average of One to Two foot Hard Sand Layers
780	860	Bentonite Sand
860	885	Sand Fine water Displaced on D.G. Fair Porosity
885	894	Coal
894	901	Brown Shaly Sand
901	900	Brown Shale Sandy
900	907	Shale Brown (S.S.)

Site of Mortars,
County of Phillips,
Filed for Record this 2 day
of March, A. D. 1901 at 2:12
o'clock P.M. and duly Recorded in book
Page of
Book
Recorder
Seal

228138

15068 *Mica*

OW3

File No.

DUPLICATE

T. 23 N. R. 26

County Phillips

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1957

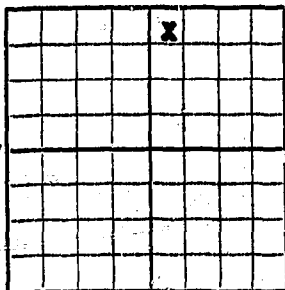
Owner Larry JD Cattle Co. Address Fortman, Montana

Contractor (if any)

Address of Contractor

Date Started 1957 Date Completed 1963

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



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

Section 14 T. 23 R. 26

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

10 gpm. continuous use.

Signature of Owner

Larry JD Cattle Co.
Delroyd Robinson, Treas.

Date December 26th, 1963

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

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

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

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

15730
15730

236701

Feb. 30, 1963

1:54 PM

2. 2. 2.

Rosalind M. Loney

Gift of Rosalind

RECEIVED
DEC 31 1958

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG

	X	

Owner J D Cattle Co.,
Robinson Bros.

Address Fortuna, Montana

Driller H. C. Simpson

Address Malta, Montana

Date Started November 1, 1958

Date Completed December 2, 1958

Location: Sec. 20 T. 24 N. R. 26 E. $\frac{1}{4}$ sec. Southwest quarter

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 725 ft. Type screw joint Size 4 inch

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

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

Perforated or Screened: Ft. 680 to ft. 710 Ft. _____ to ft. _____

Type of screen or perforations grilled holes

Static Water level, for non-flowing well: 100 feet

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

Pumping water level 120 feet at 8 gal. per min.

How tested: bailler

Length of test 3 hours

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

Gravel packed around outside of casing and filled the hole with clay
above the gravel

(over)

Log of Well

[illegible]

Misc. # 14833

File No.

T. 24^N R. 26^E

DUPLICATE

County Phillips

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

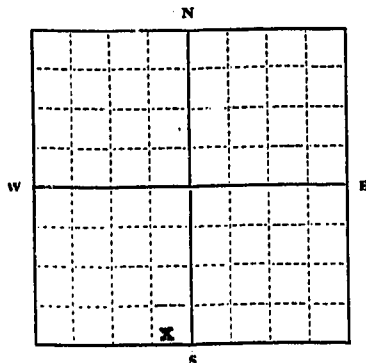
RECEIVED
JAN 2 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Floyd Robinson, an officer of the Lazy JD Cattle Co. of Zortman.
(Name of Appropriator) (Address) (Town)

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



SESW $\frac{1}{4}$ Sec. 21 T. 24 R. 26

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 watering

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 11/1/58 and continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 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

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

pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 11/1/58 completed 12/2/58

8. The depth of water table XXXX 680'

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 710 ft. drilled holes, gravel packed around outside of casing and filled the hole with clay above gravel.

10. The estimated amount of groundwater withdrawn each year 5,000,000

11. The log of formations encountered in the drilling of each well if available 0-5, brown clay gravel & rocks; 5-100 dark shale; 100-103, rock layer; 103-120 dark shale; 120-122, rock layer; 122-380 dark shale; 380-382, rock layer; 382-560 dark shale; 560-561, rock layer; 561-680 dark shale; 680-710 grey sandstone; 710-720 light blue shale; 720-725 hard rock; 725-230 grey shale.

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 Floyd Robinson Sec. Treas.

Date December 30th, 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.

18031

Mass #15729

236700

Filed: Dec 30, 1963
at: 1.58 P.M.
FEB 2.

Rosalene Maloney
Clerk + Recorder

GW 2

File No.

DUPLICATE

RECEIVED

OCT 23 1964

Standard Stock Form—State Publishing Co., Helena, Montana—4041

Section 25T 24 R 24

County Phillips

STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

RECEIVED

OCT 20 1964

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

J. D. Cattle Co.

Address J. D. Cattle Co.

Driller A. K. Kline

Date of Notice of Appropriation of Groundwater

Date well started 9-1-64 Date Completed 10-30-64

Type of well Rotary 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)
	4 1/2" X 11"	0-	189	5" hole	612	635
	2 7/8" X 3.65	167	1055		835	855
					930	950
					994	1014
					1034	1055

Static Water Level for non-flowing Well 80 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 130 feet at 15 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailed Length of Test 6 Hrs.

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

acres irrigated, if used for irrigation) 2" casing @ 169'

Driller's License Number 61

Driller's Signature A. K. Kline

Section No. 25

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.

38578

239121

Filed for Record this 19 day
of Oct A. D. 1964 at 11:30
o'clock A.M. and duly Recorded in book
No. Page of
Rosaline M. Adams recorder
By
Fee 2.00
Return

GW 2

File No.

T. 24 N. R. 26

DUPLICATE

County Phillips

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

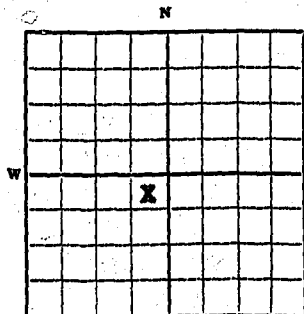
Date of Appropriation of Groundwater 1957Owner Larry JD Cattle Co. Address Zortman, Montana

Contractor (if any)

Address of Contractor

Date Started 1957 Date Completed 1963

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



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

N15W 1/4 Sec. 32 T. 24 R. 26

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

10 gpm, continuous use.

Signature of Owner

Date December 26th, 1963.

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

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

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

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

18034

15732
15732

236703

let. Dec 30, 1963
2:01 PM
02

Rosalind Maloney
W. B. Recorder

Lazy J.D. Cattle Co. Zortman
T 24^N R 26($\frac{1}{2}$) E Sec ? Phillips Co

Driller, Elton Adkinson #61
Glendive

Form 2 Doc #
239121

Log

our No. 38578

0-8' Gumbo
8-10 Gravel
10-26 Clay & Quick sand
26-30 Gravel
30-118 Blue clay
118-228 $\frac{1}{2}$ Black shale
228 $\frac{1}{2}$ -229 $\frac{1}{2}$ Hard shale
229 $\frac{1}{2}$ -621 Black shale
w bentonite strks.
621-628 Fine sandy gray sh.
628-630 Hard-temed. hard ss.
630-638 Sandy grey sh.
638-660 med. fine sandy clay
w/strks of sand
660-668 Silty green sh.
668-675 Silty mud stone
675-676 X hard ss.
676-698 grey sh.
698-731 blue sh.
731-732 X hard ss
732-755 blk. sh.
755-763 Rusty med. hard
sh. & rock
763-789 grey sh. w strks sandy sh

(over)

- 789-802 silty sh
802-803 hard, fine ss
803-830 light blue sh. w. strks.
firm fine sand
830-833 uncons. ss.
833-836 grey sh.
836-840 hard to soft ss
840-900 grey sh. w. firm fine
sand stringers
900-903 brown sh.
903-937½ grey sh. v. firm
sand stringers
937½-938 Hard, brown, brittle
rock
938-945 soft sand, no hard
stringers
945-948 med. hard to hard
ss.
948-963 sandy sh. w. strks of
brown rock
963-965 med hard ss
965-979 grey sh.
979-981 hard sh. & sand rock
981-1002 sandy sh w. strks sand
and firm sand stringers
1002-1004 soft sand
1004-1013 brittle rock, shell & sand
1013 - sandy sh.
1013-1025 fine sand w. hard stringers
1025-1040 black sh. w firm sand stringers
1040-1043 med. hard ss
1043-1055 black sh.

GROUNDWATER INDEX

Page 1 of 1

County Phillips

Twp. 24 N

Rge. 28 E

[illegible]

RECEIVED
JAN 2 1938

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG

Owner Henry Machit Address Regina, Montana
 Driller E. C. Simpson Address Malta, Montana
 Date Started November 15, 1937 Date Completed January 15, 1938
 Location: Sec 7 T. 24 R. 28 1/4 sec NW 1/4

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 850 ft. Type screw joint Size 4 inch

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 730 to ft. 820 Ft. to ft.

Type of screen or perforations 5/32 drilled holes

Static Water level, for non-flowing well: 60 feet.

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

Pumping water level 135 feet at 8 gal. per min.

How tested: bailer

Length of test 5 hours

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

well was gravel packed with two barrels of small gravel

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	15	brown clay
15	17	rocks
17	68	brown clay
68	70	rocks
70	80	gravel and water
80	510	bear paw shale (dark shale)
510	520	sandstone
520	521	rock layer
521	530	blue shale
530	595	shale sandstone
595	596	rock layer
596	610	sandstone
610	650	blue shale
650	670	fine sandstone
670	688	blue shale
688	690	rock layer
690	700	blue shale
700	701	rock layer
701	720	shaley sandstone
720	730	blue shale
730	750	sandstone
750	760	blue shale
760	800	sandstone
800	810	blue gray shale
810	849	shale and sandstone layers
849	853	rock layer
853	860	sandy gray shale

Return:

Feb.

Page: of
Joseph J. Gaddy
 County Recorder

Filed for Record this 27.7.1958
 of A. D. 1958
 of Rock, and duly Reported in bo

217418

ma 14704

24718

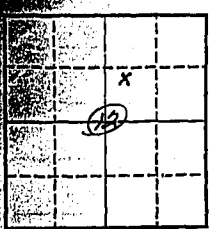
T. 24 R. 28 12
County Phillips

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 13 1961

WATER WELL LOG

STATE ENGINEER



Owner Harvey Jacobson Address Wagner, Montana
Driller Robert C. Simpson Address Malta, Montana
Date Started December 21, 1960 Date Completed Jan 3, 1961
Location: Sec. 12 T. 24 R. 28 1/4 sec. SW 1/4

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 895 ft. Type screw joint Size 4 inch I.D.

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

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

Perforated or Screened: Ft. 745 to ft. 755 Ft. 780 to ft. 790 800-820
835 - 855 to ft. 877 - 895

Type of screen or perforations drilled 1/4 inch holes

Static Water level, for non-flowing well: 100 feet.

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

Pumping water level 195 feet at 8 gal. per min.

How tested: bailer

Length of test 3 hours

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
placed three packers above the top perforations

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	6	brown clay - gravel
6	35	sandy brown clay
35	36	rock
36	60	blue shale
60	80	dark shale (bear paw)
80	81	rock layer
81	490	dark shale
490		rock layer
490	500	dark shale
500	510	sandstone and shale (judith river formation)
510	520	gray shale
520	535	gray shale and sandstone
535	536	rock layer
536	575	gray shale
575	577	rock layer
577	595	gray shale
595	597	rock layer
597	630	gray shale
630	640	sandstone
640	710	gray shale with thin sandstone layers
710	725	sandstone
725	745	gray shale
745	755	gray sandstone
755	780	gray shale
780	785	sandstone
785	800	gray shale
800	820	sandstone
820	875	gray shale
875	875	sandstone
875	875	gray shale
875	877	rock layer
877	895	sandstone

227992

State of Montana }
County of Phillips, }

Filed for Record this 12th day
of January, A. D. 1961 at 1:00
o'clock P. M. and duly Recorded in book
Page 1 of 1
by County Recorder
J. H. [Signature]
See [Signature]
Return [Signature]

Miss # 15040

File No. _____

T. 24 N. R. 28 E.M.M. _____

DUPLICATE

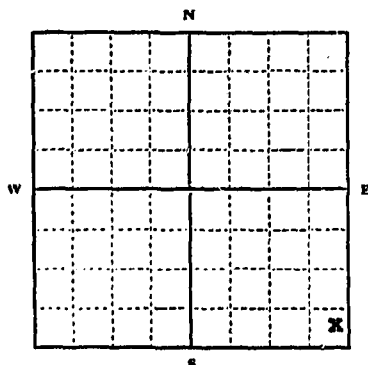
County PHILLIPS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 26 1963

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

1. HENRY NESBIT, of REGINA
(Name of Appropriator) (Address) (Town)
County of PHILLIPS State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 SE Sec. 16 T. 24 R. 28

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 First used in September, 1960 and in continuous use since that time.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) Nine gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not used for irrigation.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Centrifugal pump operated by gasoline motor.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Digging of well was commenced in August, 1960 and finished in September, 1960. Well pump was installed at the same time.
8. The depth of water table 24 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 Wood curbing, circular, 9 feet in diameter. Curbing is 24 feet deep.
10. The estimated amount of groundwater withdrawn each year 216,000 gallons per year.
11. The log of formations encountered in the drilling of each well if available 0-6', top soil; 6'-24 feet, gravel with clay at bottom.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Well and water works are owned by undersigned appropriator. However, well and water works are located on land owned by the United States on which undersigned appropriator has permit to run livestock.

Signature of Owner Henry NesbitDate December 23, 1963

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

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

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

12486

Mian # 15610

226544

State of Montana,
County of Phillips,

Filed for Record this 23 day
of 10th Mo. 1933
at 10:30 AM. A. D. 1933

Subscribed by [Signature] and [Signature] in book

By [Signature] County Recorder

Fee \$2.00

Return

RECEIVED
10th. National of Insurance, 1933

File No.

DUPLICATE

T. 24 R. 28

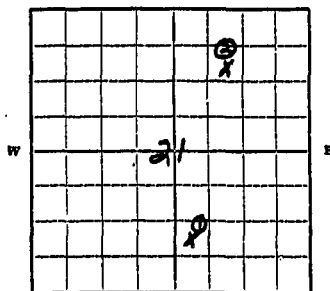
County Phillips

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

RECEIVED
MAR 28 1962
STATE ENGINEER

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



1 N.W.S.W. SE
2 S.E.W.N.E
1/4 Sec. 21, T. 24, R. 28

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

2. The beneficial use on which the claim is based

1 + 2 Cattle

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

1936 Continuous
1936 Continuous

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

Unknown

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

No

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

1 + 2 Spring

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

1936

8. The depth of water table

4 to 6 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

(1 + 2) Springs dug out so water flows 4 to 6 feet deep

10. The estimated amount of groundwater withdrawn each year

water 35 to 40 head of cattle a day

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

2-4 Gravel
4-6 Gravel

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

Signature of Josephine Henderson
Appropriator
Date March 26, 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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

Miss # 15225

231258

State of Montana, }
County of Phillips, }

Filed for Record this 26... day
of March, D. 1947 at 1:45
o'clock P.M. and duly Recorded in book

Page.....of.....

Rosaline M. Maloney Recorder

By.....

Fee \$2.00

Return:.....

T. 24 R. 28 27
County Phillips

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JUL 21 1961

WATER WELL LOG

STATE ENGINEER

			X
	27		

Owner Josephine Henderson Address Regina, Mont.
Driller Ray Shores Address Regina, Mont.
Date Started July 7, 1961 Date Completed July 15, 1961
Location: Sec. 27 T. 24 R. 28 1/4 sec. NE NE

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

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

Casing: 0 ft. to 300 ft. Type RL Size 4" I.D.
Casing: 300 ft. to 905 ft. Type RL Size 3" I.D.
Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 550 to ft. 900 Ft. to ft.
Type of screen or perforations 3/8" holes

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

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

Pumping water level 29.6 feet at 5 gal. per min.

How tested: pumped

Length of test 6 hrs

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

(over)

2020365

Depth, feet		Description of Material Drilled	Return	Fee	Page	County Recorder	Filed for Record this... day of... A. D. 1961 at 10:30 o'clock P.M. and duly Recorded in book	State of Montana, County of Phillips, ss.
From	To							
0	3	topsoil						
3	33	fine sand (dry)						
33	46	clay						
46	547	shale						
547	581	J. R. F.						
581	582	Rock 16"						
582	632	J. R. F.						
632	634	Rock 20"						
634	640	J. R. F.						
640	648	thin rock shales Rock 8"						
648	661	J. R. F.						
661	668	thin rock shales						
668	740	J. R. F.						
740	741	Rock 7"						
741	745	J. R. F.						
745	746	Rock 8"						
746	840	J. R. F.						
840	841	Rock 10"						
841	905	J. R. F.						
		X J. R. F. - Judith River Formation						

File No. _____

T 24 N. R 28 E

DUPLICATE

County Phillips

STATE WATER CONSERVATION BOARD STATE OF MONTANA

DEC 30 1966 ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERTop of Ground
(Elev. above sea level _____)

4 ft. Clay

1 ft. gravel

3 ft. clay reservoir

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Francis V. Jacobs Address Regina, Montana

Dug
By Rolly Kaufman Address Malta, Montana

Date of Notice of Appropriation of Groundwater Nov. 15, 1966

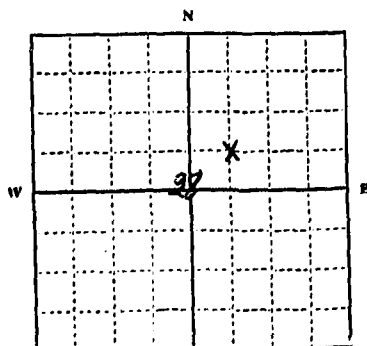
Date well started Nov. 15, 1966 Date Completed Nov. 15, 1966

Type of well dug Equipment Used backhoe
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☒

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
	24" 20 ga. steel culvert		8'			

Trench dug 30 ft. long, pipe placed so water will flow into casing then trench covered



SW 1/4 Sec. 28 T. 24 N. R. 28 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 32' feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 5' feet at 8 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Not tested Length of Test _____

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

Driller's License Number _____

Driller's Signature _____

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.

41586

Miss # 16398

245014

State of Montana,

County of Phillips,

Record this 29 day
Dec. A. D. 1961 at 2:30 P.
P. and duly recorded in book

of
Prater & Melney, Recorder

by 2.00

Return

File No. _____

T. 24^N R. 28^E

DUPLICATE

County Phillips

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

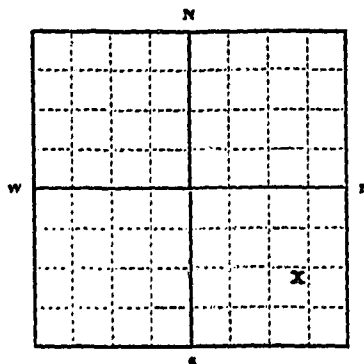
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1931)

JAN 27 1964

STATE ENGINEER

1. Mikel Perrault, of Malta,
(Name of Appropriator) (Address) (Town)
County of Phillips State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1932, as follows:

SE $\frac{1}{4}$ SE Sec. 34 T. 24 R. 28

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

2. The beneficial use on which the claim is based Domestic and Stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1928 continuous

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater August 1928

8. The depth of water table 26 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 Hand aug 3' x 3' round 26 ft deep;
concrete casing

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
Sandy loam to 6 ft from bottom which 6 ft is quicksand.

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

Signature of Owner /s/ Mikel A. PerraultDate Dec 31, 1963

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

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

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

33974

Misc 16049

237077

Phillips Co.

Filed 12-31-63.

at 11:20 A.M.

Fee \$ 2.00.

R. V. Maloney
Clerk & Rec.

GROUNDWATER INDEX

Page / of /

County Phillips Twp. 24 N Rge. 29 E

[illegible]

File No.

T 24 N.R. 29 E.M.N.

DUPLICATE

County PHILLIPS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

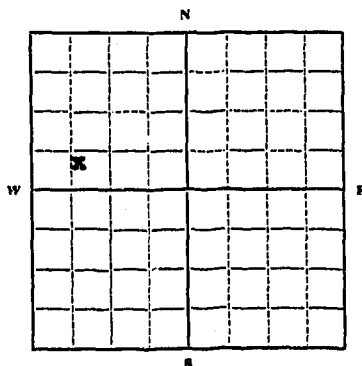
RECEIVED
DEC 26 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. HENRY NESBIT, of REGINA
(Name of Appropriator) (Address) (Town)
County of PHILLIPS State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 NW Sec 7 T 24 R 29

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

2. The beneficial use on which the claim is based domestic use and used for watering livestock.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Used first in December, 1957 and in continuous use ever since that time.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not used for irrigation.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Drop cylinder cylinder pump driven by electric motor.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Construction commenced in November, 1957 and completed in December, 1957, including installation of pumping system.
8. The depth of water table 890 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 Four inch steel casing to bottom of well, 890 feet. Water withdrawn by drop cylinder pump driven by electric motor.
10. The estimated amount of groundwater withdrawn each year 1,100,000 gallons per year.
11. The log of formations encountered in the drilling of each well if available Well driller's water well and log is filed in office of the Clerk and Recorder of Phillips County, Montana.
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 driller's log is filed in office of clerk and recorder of Phillips County, Montana. Exact filing information is not available to undersigned at this time.

Signature of Owner Henry Nesbit

Date December 23, 1963

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

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

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

12485

236543

County of Phillips,) 23
 Filed for record this day
 of Dec. 1923 at 2:20
 and duly recorded in book

01
Rosalene M. Matney County Recorder
By: B.
Fee: 2.00
Returns: 3

File No.

T. 24 N. R. 29 E.

DUPLICATE

County Phillips

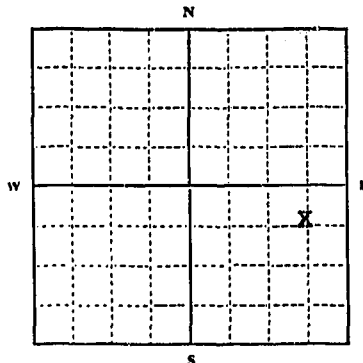
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
AUG 28 1963
STATE ENGINEER

1. MONS VESETH, of Regina
(Name of Appropriator) (Address) (Town)
County of Phillips 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.....
stock watering purposes

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1950

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

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

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 195 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..... 354 feet deep

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

11. The log of formations encountered in the drilling of each well if available.....
drift formation, shale, rock, blue shale, rock, sandy blue shale, good sandstone, sandstone, some shale, sandy shale, rock, shale, sandstone and shale layers, rock, shale.

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 August 23, 1963

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

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

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

5568

Misc # 15419

235353

State of Montana,
County of Phillips,

Filed for Record this 27... day
of Aug... A. D. 1963 at 12:40
o'clock P. M. and duly Recorded in book

Page... of...
Rosalene M. Maloney, Recorder

By.....

Fee \$2.00.....

Return.....

File No.

T. 24 E. R. 29 E

DUPLICATE

County Phillips

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

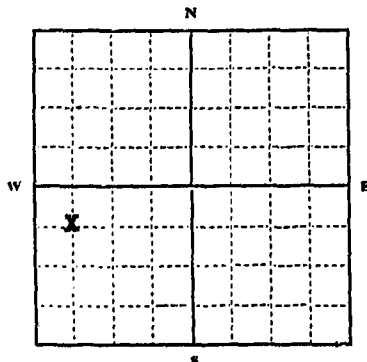
RECEIVED

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

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



NWSW 1/4 Sec. 14 T. 24 R. 29

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 watering purposes and domestic use~~

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been November 28, 1959

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater begun November 12, 1959, finished November 28, 1959

8. The depth of water table 160 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 895 feet deep, type screw joint, 4 inch 11
pound per foot.

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

11. The log of formations encountered in the drilling of each well if available brown clay, sand & gravel
bear paw shale, rock layer, sandy gray shale, rock layer, blue shale, sand-
stone, sandy blue shale, sandstone, blue shale, sandstone, gray shale, sand-
stone, shale and sandstone layers, rock layer and blue shale

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

*Mons Veseith*Date August 23rd, 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.

5566

Misc. # 15417

235351

State of Montana, } ss.
County of Phillips, }

Filed for record this 27 day
of Aug. A. D. 1943 at 10:30
o'clock A. M. and duly Recorded in book

By Rosalene W. Maloney, recorder

Fee 2.00
Return:

T. 24 N. R. 28 E. 14
County Phillips

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

RECEIVED
AUG 28 1963

STATE ENGINEER

Owner Mons Vesseth

Address Malta, Montana

Driller Simpson Drilling Co.

Address Malta, Montana

Date Started November 12 1959

Date Completed November 28, 1959

Location: Sec. 14 T. 24 N. R. 29 E. $\frac{1}{4}$ sec. NW $\frac{1}{4}$ SW $\frac{1}{4}$

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

Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other: _____

Casing: 0 ft. to 895 ft. Type screw joint Size 1 inch 11 pound per ft.

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

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

Perforated or Screened: Ft. 800 to ft. 895 Ft. _____ to ft. _____

Type of screen or perforations drilled $\frac{1}{2}$ inch holes

Static Water level, for non-flowing well: 160 feet.

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

Pumping water level 190 feet at 7 gal. per min.

How tested: bailer

Length of test 3 hours

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

two packers placed above the perforations

(over)

Log of Well

[illegible]

RECEIVED
JAN 21 1959

T. 24 R. 29 16
County Phillips

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

0	16	

Owner Clarence Hunt Address Regina, Montana
Driller R. C. Simpson Address Malta, Montana
Date Started October 9, 1958 Date Completed October 23, 1958
Location: Sec. 16 T. 24 R. 29 1/4 sec. 22 NW

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 890 ft. Type screw joint Size 4 inch I.D.

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

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

Perforated or Screened: Ft. 657 - 680 684 - 694 710 - 830 837 - 890 890 - 890 to ft. _____

Type of screen or perforations drilled 3/16 holes

Static Water level, for non-flowing well: 250 feet.

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

Pumping water level 240 feet at 8 gal. per min.

How tested: bailler

Length of test 3 hours

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	14	brown clay
14	15	rocks
15	24	sandy brown clay
24	195	heavy gray shale
195	197	rock layer
197	484	heavy gray shale
484	487	rock layer
487	515	sandstone
515	580	gray sandy shale
580	605	sandstone
605	610	gray shale
610	637	sandstone
637	656	blue shale
656	657	rock layer
657	680	sandstone
680	684	brown shale
684	694	sandstone
694	710	gray sandy shale
710	830	sandstone and shale layers
830	835	sandstone
835	837	rock layer
837	850	sandstone
850	860	tan shale
860	890	sandstone some shale

221635

State of Montana, }
County of Phillips, }

Filed for Record this 27th day
of Jan A. D. 1959/10/30
at 10:45 AM, and duly Recorded in book
Page _____ of _____
by _____ Recorder
us _____
Return _____

Minth 14845-

221635