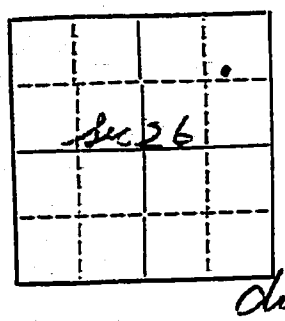
T. 32 N R. 58 E

County Sheridan

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JUL 10 1961
STATE ENGINEER
Denver, Colo

WATER WELL LOG



Owner: Signal Drilling & Exploration Address: Denver, Colo

Driller: Western Drilling Co Address: Medicine Lake, Mont

Date Started: June 5 - 1961 Date Completed: June 8, 1961

Location: Sec. 26 T. 32 N R. 58 E ¼ sec. SE¼ of NE¼

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 297 ft. Type Steel 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: 18 ft feet.

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

Pumping water level 45 ft feet at 8 gal gal. per min.

How tested: Pump

Length of test 2 hours

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

Casing is set into gravel and water comes into the bottom end of casing.

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	7	silt
7	14	fine gravel seep water min
14	61	stickie clay
61	65	sand
65	70	stickie clay
70	82	sand
82	150	stickie clay
150	221	sandy clay
221	226	sand
226	230	sandy clay
230	232	sand
232	292	sandy clay
292	297	good Water Well

Form No. 18
8-60

T. 32 R. 58
County Sheridan

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
NOV 15 1961
STATE ENGINEER

WATER WELL LOG

Owner Donald Henke Address Dagmar, Mont
Driller Western Drilling Co Address Red Lake, Mont
Date Started 10-30-61 Date Completed 11-2-61
Location: Sec. 27 T. 32 R. 58 ¼ sec NW¼-NW¼ of sec 27

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 66 ft. Type 4" Size steel
Casing: ft. to ft. Type Size
Casing: ft. to ft. Type Size
Perforated ~~or Screened~~: Ft. 61 to ft. 65. Ft. to ft.
Type of screen or perforations
Static Water level, for non-flowing well: 20 feet.
Shut-in pressure, for flowing well: lb./sq. in. on: (date)

Pumping water level 36 feet at 18 gal. per min.
How tested: pump
Length of test 24 hours

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

8" hole was drilled to 66 ft, then casing was centerlized in middle of hole and fine screened gravel was poured around casing and hole above the perforations, remainder of hole around casing filled with dirt.

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	54	clay
54-	64	sand Water Well

GW 2

File No. P. Olson #1

DUPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—38496

T. 32 R. 58

County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 22 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

Pursuant to Chapter [illegible] Montana Session Laws, 1961

Owner [illegible] Address [illegible]

Driller Edward H. Leathe Address Tioga, N. Dak.

Date of Notice of Appropriation of Groundwater

Date well started Aug 4th Date Completed Aug 5th

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

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

Top of Ground

(Elev. above sea level) 0 - 3 fill

3 - 20 br. shale, rocks.

20 - 38 light br. sandy shale, rocks.

(38' static water level)

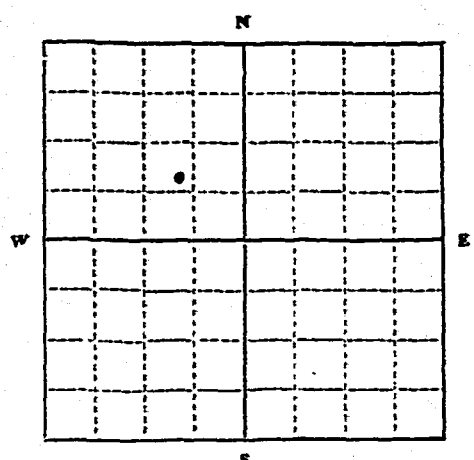
38 - 56 gray sandy shale

56 - 62 sand (water)

BOTTOM

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	PERFORATIONS Kind Size	From (Feet)	To (Feet)
10"	4½" 10#	1' above surface	62'	1 foot slots cut with torch	56'	62'



SE NW¼ Sec. 24 T. 32 R. 58

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 38 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 55 feet at 6-8 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested bail test Length of Test 2 hours.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) well is gravel packed outside above perforation — filled to surface with clay

138
Driller's License Number

Edward H. Leathe
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.

5500

#162

STATE OF MONTANA } ss.
County of Silverbow

Filed the 18 day of August 1963

at 8 o'clock A. M.

Book 7 Page 216

Deputy

County Recorder

GROUNDWATER INDEX

County SHERIDAN Twp. 32N Rge. 59E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
5	RASMUSSEN, GORDON	GW 2	360632	
5	SORENSON, PETE	GW 2	338315	
5	RASMUSSEN, PEDER	GW 4	334900	
7	RASMUSSEN, CHRISTIAN N.	4	334901	
18	LEWIS, JAMES A	GW 2 GW 1	333211 333221	
18	LEWIS, JAMES A	GW 2 GW 1	333215 333214	
18	LEWIS, JAMES A.	GW 2 GW 1	333212 333220	
19	LEWIS, JAMES A.	GW 2 GW 1	333218 333223	
19	LEWIS, JAMES A.	GW 2 GW 1	333217 333213	
19	LEWIS, JAMES A	GW 2	331977	

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
AUG 11 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Sheridan 5

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Gordon Rasmussen

Address Dagmar, Mont.

Date well started May 30, 72

completed June 3, 72

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

Equipment used rotary (Churn drill, rotary or other)

For Administrator's Use
File #610 ; 360632
August 4, 1972 12:05 p.m.
GW 1

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

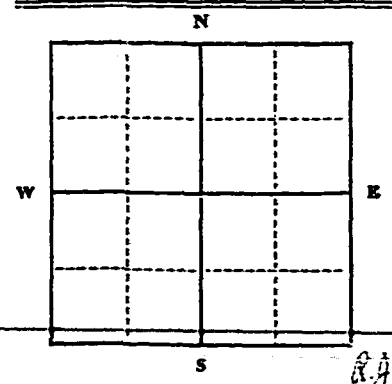
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6" hole to 180 ft. then 4 3/4" to 188 ft.	4" I.D. 10 lbs per ft.	0	180'	torch cutter	181'	188'



NW ¼ SE ¼ Sec. 5
T. 32 (N) (S) R. 59 (E) (W)

Static water level 12 ft.*
Pumping water level 40 ft.*
at 12 gallons per minute,
measured ..... minutes after pumping began.
*Measured from ground level.
Well developed by bailer
for 1 hr. hours.
Power..... Pump..... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)
a.g.d. a shutoff was made between Bring & gravel 180 ft. in well

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

Driller's Signature

Driller's Address

LICENSE NO. 106

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	25	soft yellow rocky clay
25	90	dark soft rock clay
90	93	fine sand [illegible]
93	183	dark soft clay
183	187	gravel rock
187	188	soft charcoal clay
		water used to make in the gravel 183-187 into gravel

188 ft Show exact depth of bottom

51,118

#610

Acc. # 360632

STATE OF MONTANA,
County of Sheridan, } ss.
Filed this 4 day of
Aug. A. D. 19 72
at 12:5 o'clock P M.

L D Nelson
County Recorder

Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—39318

T 32N R 59E 5

Count Sheridan

File No.

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAR 3 - 1965
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Pete Sorenson Address Fagnes Mont

Driller Albert Andersen Address Wolcana Lake Mont.

Date of Notice of Appropriation of Groundwater Sept-9-64

Date well started Aug 28-64 Date Completed Sept 9-64

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

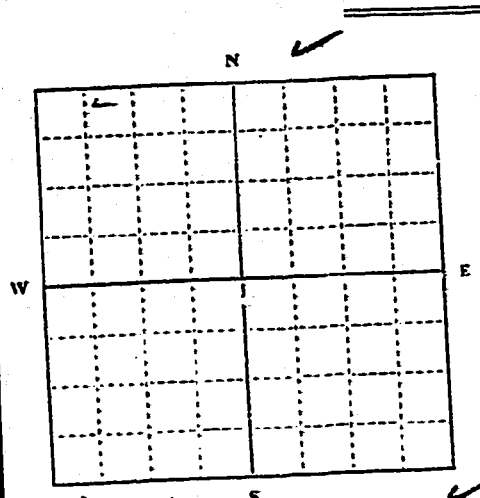
Water Use: Domestic ☑ Municipal ☐ Other ☐ Irrigation ☐ Industrial ☐ Drainage ☐ Stock ☑

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.

Top of Ground (Elev. above sea level)	
0 To	
30	yellow clay
47	muck clay
78	loose sand
84	sand & coal
174	muck clay
197	loose sand
203	sand and stick & gravel
	yellow colored water
313	blue clay
316½	coal
324	brn. shale Water
353	clay
354	coal
358	clay
363	quick sand
365	coal (seal)
370	sand & ~~coal~~ Water

Show exact depth of bottom.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6¼	4" I.D. 11 lb.	0	363	0	0	0



NW ¼ NW ¼ Sec. 5 T 32 R 59

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

Static Water Level for non-flowing Well 30 feet.

Shut-in Pressure for Flowing Well 0

Pumping Water Level 76 feet at 5 gal. per minute.

Discharge in gal. per min. of flowing well 0

How Tested Pump Length of Test 4 hr.

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

Amount of Casing 266-8
about 3 feet screw up loss
seal 1 foot from end of Casing

106
Driller's License Number

Albert E. Andersen
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.

38989

338315 #5454

STATE OF MONTANA, } ss.
County of Sheridan.

Filed this 30 day of
Dec. A. D. 1964
at 1:00 o'clock P M.

L. D. Nielsen
County Recorder

By Myrtle Fallon
Deputy

File No. _____

T 32N R 59E - 5

County _____

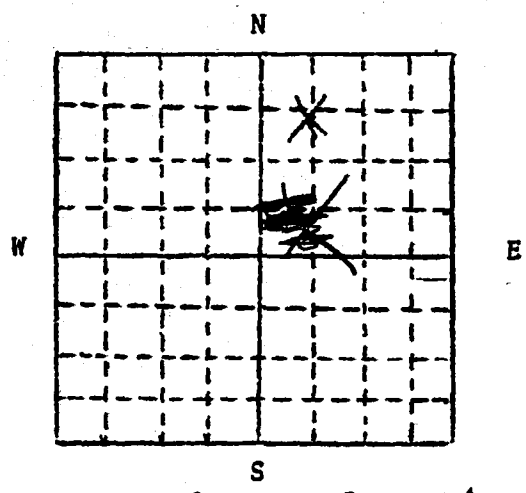
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 15 1964
STATE ENGINEER

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

I. Peter Rasmussen, of Dagmar Mont.
(Name of Appropriator) (Address) (Town)

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



NW1/4 NE Sec. 5 T. 32 R. 59
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 for household - cattle

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1929 been in continuous use ever since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 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 used for irrigation

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1929

8. The depth of water table about 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 5 inch steel casing

10. The estimated amount of groundwater withdrawn each year 500.000 gl

11. The log or formations encountered in the drilling of each well if available 120 ft Clay and gravel

12. ~~Such other information of a similiar 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 Peter Rasmussen

Date 12-31-1963

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.

37135

334900

#435

STATE OF MONTANA,
County of Sheridan. } ss.

Filed this 31 day of December A. D. 19 93

at 1:00 o'clock P. M.

L. A. Nelson
County Recorder

Deputy

File No. _____

T 32 N R 59 E

County Sheridan

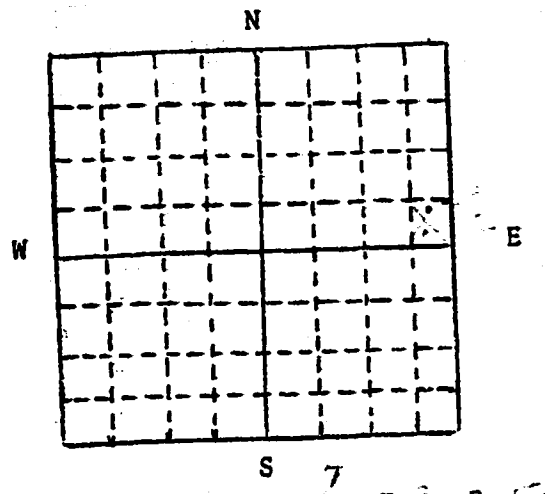
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 15 1964
STATE ENGINEER

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

1. Orville A. Kommer, of Dutton
(Name of Appropriator) (Address) (Town)

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



SE1/4 NE 1/4 Sec. 7 T. 32 R. 59
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based **household and livestock**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been **continuous daily use since 1944**

4. The amount of groundwater claimed (in miner's inches or gallons per minute) **500 gallons per minute, both wells**

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 **irrigation of yard, NE¼ Sec. 7, Twp. 32 Rge. 59**

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **1944, both wells**

8. The depth of water table **90' depth of wells; water level 50'**

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 **one is steel casing well, second well wood casing**

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

11. The log or formations encountered in the drilling of each well if available **none available**

12. Such other information of a similiar 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 Orville A. Kommer

Date **December 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.

33136

File No. _____ T 32 N R 59 E 7

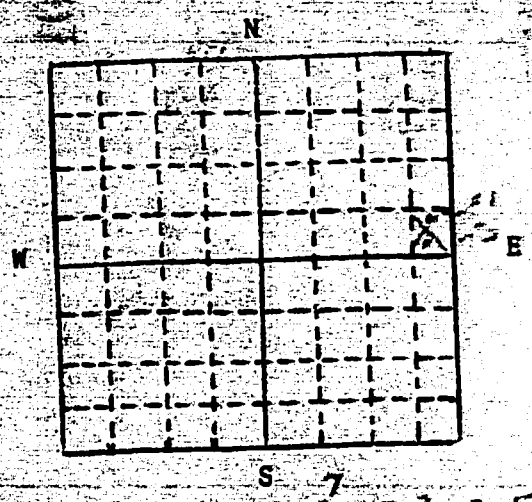
County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 15 1964
STATE ENGINEER

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

1. Christina N. Rasmussen of Dagmar
(Name of Appropriator) (Address) (Town)
County of Sheridan State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



7
SE1/4 NE 1/4 Sec. T. 32 R. 59
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based: household and livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: continuous daily use since 1944

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 500 gallons per minute, both wells

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: irrigation of yard, NE¼ Sec. 7, Twp. 32 Rge. 59

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1944, both wells

8. The depth of water table: 90' depth of wells; water level 50'

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: one is steel casing well, second well wood casing

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

11. The log or formations encountered in the drilling of each well if available: none available

12. Such other information of a similiar 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 Christina N. Rasmussen

Date December 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.

33136

334901

#436

STATE OF MONTANA, }
County of Sheridan, } ss.

Filed this 31 day of December A. D. 19 63 at 1:00 o'clock P. M.

K. G. Nelson
County Recorder.

Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—38496

18

File No. Malgoar Oil #1

T. 32 R. 59 E

County Sheridan

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

RECEIVED
AUG 22 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 53, Montana Session Laws, 1961)

Owner [redacted] Address [redacted]

Driller Edward H. Prather Address Tioga, N. Dak. Box 46 Dagmar

Date of Notice of Appropriation of Groundwater

Date well started Aug 1 Date Completed Aug 3rd.

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

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

Top of Ground (Elev. above sea level)

Fill

surface 3 Fill

3-45 light br. sandy shale

← 50' shale water level

45 – 90 dark br. sandy shale, rocks

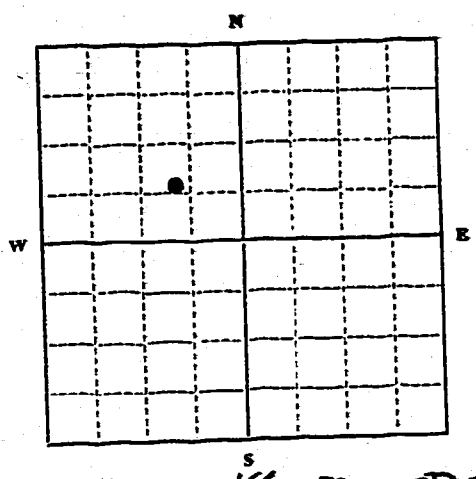
90 – 101 gray clay, rocks

101 – 107, sand gravel

Bottom (water)

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)
10"	4½" 10#	surface	107	1' slots with torch	101'	107'



SE NW¼ Sec. 18 T. 32 R. 59 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 50 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 95 feet at 4-6 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailer tested Length of Test 2 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) well is gravel packed a few ft. above perforations and filled to surface with Clay

138
Driller's License Number

Edward H. Prather
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.

549'

#157

333 211

STATE OF MONTANA, } ss.
County of Sheridan.

Filed this 20th day of
August A. D. 1962
at 2:00 o'clock P M.

Lil Melin
County Recorder

Deputy

Approved Stock Form—State Publishing Co., Helena, Montana—38496

File No. Molgaard

T. 32N R. 59E.

18

DUPLICATE

County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 22 1963
STATE ENGINEER

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

1. I, James A. Lewis Eng. of Box 46 Dagmar
(Name of Appropriator) (Address) (Town)
County of Sheridan, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is This water is used To Cut The Sodium Choloride Which is being Produced from The oil
(describe lands to be benefited, if for irrigation) Zone near The water well

3. The rate of use in gallons per minute or miner's inches of groundwater claimed
4- 6 gals Per. Min

4. The annual period (inclusive dates) of intended use 2-3 hrs Per. day

5. The probable or intended date of first beneficial use latter part of Aug 1963

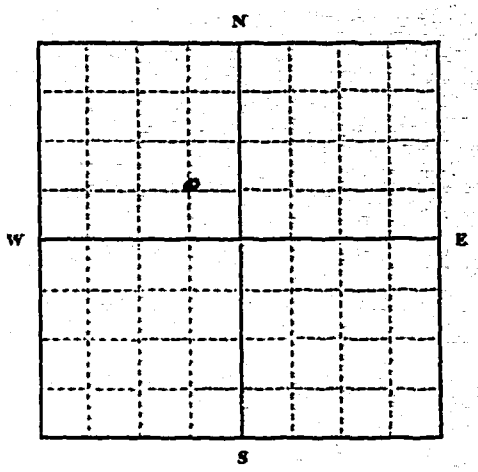
6. The probable or intended date of commencement and completion of the well* or wells*
Commencement Aug. 1st Completion Aug 15.

7. The location, type, size and depth of well or wells contemplated Oil well site
4½ sq.

8. The probable or estimated depth of the water table or artesian aquifier 50' — 300'

9. Name, address and license number of the driller engaged Edward H. Prather
Box 232 Tioga N. Dak. License # 138

10. Give such other similar information as may be useful in carrying out the policy of this act
Same As Line # 2



____¼ Sec. 18 T. 32N. R. 59E.
Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Melvin E. Hayes

Date July 28, 1963

* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn."

Three copies of this notice are to be filed with 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.

5491

#167

333221

STATE OF MONTANA,
County of Sheridan.
Filed this 20th day of
August A. D. 19 62
2:00 o'clock P. M.

L. A. Nielsen
County Recorder

Deputy

GW 2

File No. Jonasen Ranch #1

DUPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—38496

T. 32 R. 59 E

County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 22 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

Under Chapter [illegible] Montana Session Laws 1961

Owner [redacted] Address [redacted]

Driller Dennis Jandebeur Address Tioga, N. Dak.

Date of Notice of Appropriation of Groundwater

Date well started Aug 2nd Date Completed Aug 4th

Type of well drilled (dug, driven, bored or drilled) Equipment Used Jandebeur (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.

Top of Ground

(Elev. above sea level))

0–6 brown clay + roots

60–119 gray clay, gravel

119–127 sand (water) 40' static water level

← BOTTOM

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8"	4½" 10#	1' above surface	127'	1" slots cut with torch	118'	127'

Static Water Level for non-flowing Well 40 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 118 feet at 4–6 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested bail tested Length of Test 2 hours.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) well gravel packed outside above perforations filled to surface with clay

N
W E
S

SE SE ¼ Sec. 18 T. 32 R. 59 E

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

Show exact depth of bottom.

138
Driller's License Number

Dennis Jandebeur
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.

5495

STATE OF MONTANA
County of Sheridan
Filed the 28 day of August A. D. 1962
at 2:00 o'clock P. M.
County Recorder
Deputy

Approved Stock Form—State Publishing Co., Helena, Montana 38496

File No. Jonasen well #1

T 32 N R 59

18

DUPLICATE

County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 22 1963
STATE ENGINEER

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

1. I, James A Lewis (Name of Appropriator) of Box 46 (Address) Dagmar (Town) County of Sheridan, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is This water is used to cut the Sodium Chloride which is being produced from the Oil Zone. (describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed 4-6 gal. per minute.

4. The annual period (inclusive dates) of intended use 2-3 hours per day

5. The probable or intended date of first beneficial use latter part of Aug-63

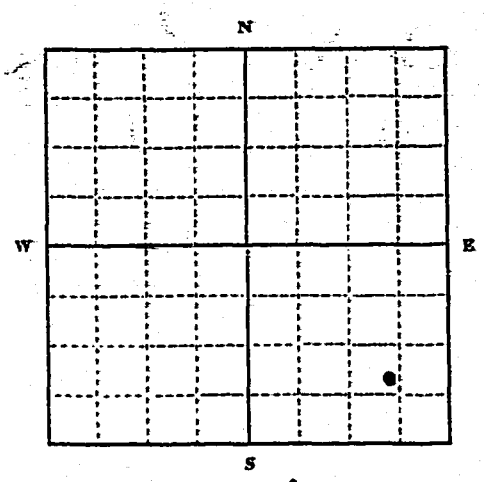
6. The probable or intended date of commencement and completion of the well* or wells* Commencement Aug 1st - Completion Aug 15-63

7. The location, type, size and depth of well or wells contemplated Oil well site, fresh water injection well, 4½" Casing

8. The probable or estimated depth of the water table or artesian aquifer 50 - 300'

9. Name, address and license number of the driller engaged Edward H. Slutter Box 732 Tioga, N. Dakota, License #188

10. Give such other similar information as may be useful in carrying out the policy of this act.



SE SE ¼ Sec. 18 T. 32 R. 59 E

Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Melvin E. Hayes

Date July 28, 1963

* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn."

Three copies of this notice are to be filed with 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.

5494

GW-2

File No. Hubbell #1

DUPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—38496

18

T. 32 R. 59 E

County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 22 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 227, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level.....)

0-28 by clay gravel

28-44 gray clay gravel

← (water rises 20')

44-48

← BOTTOM

Owner [redacted] Address [redacted]

Driller Dennis Tandeski Address Tioga N. Dak.

Date of Notice of Appropriation of Groundwater.....

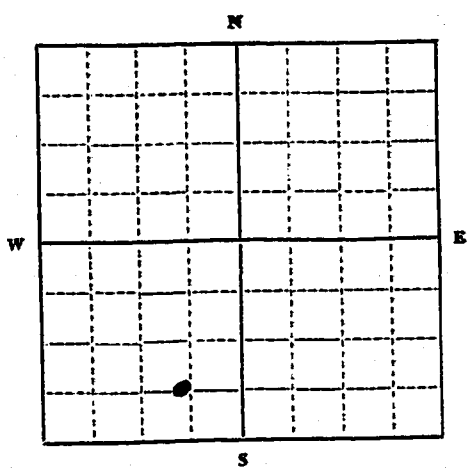
Date well started Aug 1st Date Completed Aug 2nd

Type of well drilled (dug, driven, bored or drilled) Equipment Used Spudder (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)
8"	4½" 10#	Surface	48'	slots 1" long with torch	43'	48'



SESW¼ Sec. 18 T. 32 R. 59 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 38 feet at 5 gal. per minute.

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

How Tested bail tested Length of Test 2 hours.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) gravel packed out side of Csg. Filled with Clay to surface.

138
Driller's License Number

Dennis Tandeski
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.

5492.

#158

333212

STATE OF MONTANA } ss.
County of Sheridan

Filed this August day of 20 A.D. 1962
at 2:00 o'clock P. M.

L. M. Thelen
County Recorder

Deputy

Approved Stock Form—State Publishing Co., Helena, Montana—38496

File No. Hubbert-1 T. 32 R. 59E

DUPLICATE County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED AUG 22 1963 STATE ENGINEER

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

1. I, James A Lewis (Name of Appropriator) of Box 46 (Address) Dagmar (Town) County of Sheridan, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is This water is used to cut the Sodium Chloride which is being produced from Oil zone (describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed 4 - 6 gal per minute

4. The annual period (inclusive dates) of intended use 2 - 3 hours per day

5. The probable or intended date of first beneficial use Latter part of Aug - 63

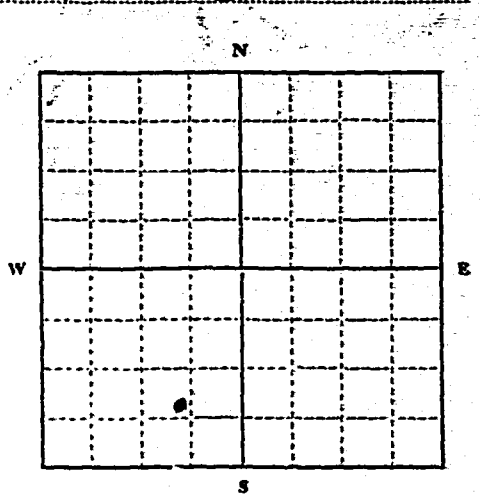
6. The probable or intended date of commencement and completion of the well* or wells* Commencement Aug 1st — Completion Aug 15th.

7. The location, type, size and depth of well or wells contemplated Oil well site, fresh water injection well, 4½" Cog.

8. The probable or estimated depth of the water table or artesian aquifier 50' — 300'

9. Name, address and license number of the driller engaged Elwood H Putter Box 732 Tioga N. Dak License #138

10. Give such other similar information as may be useful in carrying out the policy of this act



SESW ¼ Sec. 18 T 32 R 59E

Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator William E. Hays

Date July 28, 1963

* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn."

Three copies of this notice are to be filed with 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.

5496.

333220 #166

STATE OF MONTANA, } ss.
County of Sheridan
Filed the 20th day of
August A.D. 1963
at 2:00 o'clock P.M.

E. J. Thelen
County Recorder

Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—3849x

File No. Delonas #1

T 32 R 59E

County Musselshell

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED AUG 22 1963 STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Section 89-2107, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level) state water land

0 – 20 sand (muddy)

20 – 42 gray clay

42 – 44 gray sand, fine gravel (Coal water)

44 – 50 gray clay

Owner [redacted] Address [redacted]

Driller Dennis Tandeski Address Tioga, N. Dak.

Date of Notice of Appropriation of Groundwater

Date well started Aug 5th Date Completed Aug 7th

Type of well drilled (dug, driven, bored or drilled) Equipment Used Churn (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)
4½"	4½" 10#	1' above surface	44'	open hole completion with gravel up inside Csg.		

Static Water Level for non-flowing Well 40 feet.

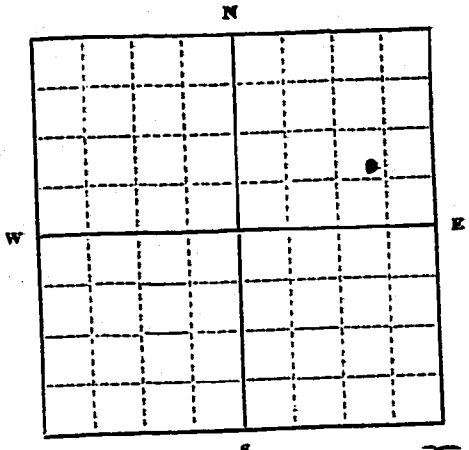
Shut-in Pressure for Flowing Well

Pumping Water Level 40 feet at 4-6 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailer tested Length of Test 2 hours.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) Csg drove to lower water formation with drive shoe. Open hole filled with gravel.



SENE ¼ Sec. 19 T 32 R 59E

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

~~Show exact depth of bottom.~~

138
Driller's License Number

Dennis Tandeski
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.

5502

333218 #164

STATE OF MONTANA } ss.
County of Sheridan

Filed the 28th day of August A.D. 1963 at 12:00 o'clock P.M.

L. A. Nelson
County Recorder

Deputy

Approved Stock Form—State Publishing Co., Helena, Montana—38496

File No. Delana's #1

T. 32N. R. 59 E.

DUPLICATE

County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED AUG 22 1963 STATE ENGINEER

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

1. I, James A. Lewis Eng. of Box 46. Dagmar
(Name of Appropriator) (Address) (Town)
County of Sheridan, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is This water is used To cut The sodium chloride which is being produced from The oil zone
(describe lands to be benefited, if for irrigation) Near The water well

3. The rate of use in gallons per minute or miner's inches of groundwater claimed
~~5~~ 4-6 gals. Per. Min.

4. The annual period (inclusive dates) of intended use 2 To 3 hrs. Per. day

5. The probable or intended date of first beneficial use latter Part of Aug. 1963

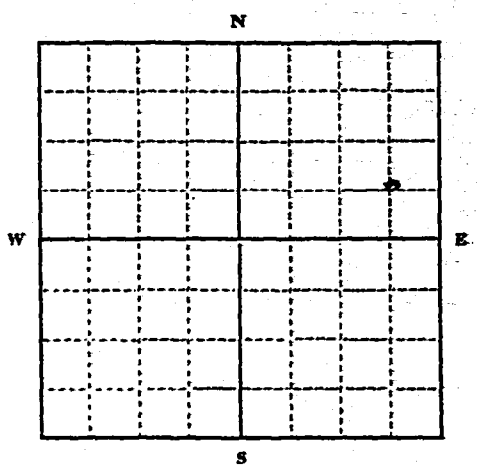
6. The probable or intended date of commencement and completion of the well* or wells* oil well site
Commencement Aug. 1st. Completion Aug 15, 1963

7. The location, type, size and depth of well or wells contemplated oil well site
4½ csg.

8. The probable or estimated depth of the water table or artesian aquifier 50' – 300'

9. Name, address and license number of the driller engaged Edward H. Prather
Box 732 Tioga N. Dak.

10. Give such other similar information as may be useful in carrying out the policy of this act.
Same As Line #2



SENE ¼ Sec. 19 T 32N R 59E.
Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Melvin E. Hagen

Date July 28, 1963

* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn."

Three copies of this notice are to be filed with 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.

5499

#169

533223

STATE OF MONTANA }
County of Sheridan } ss.

Filed this 20th day of August A.D. 1962 at 2:00 o'clock P.M.

L. J. Nelson
County Recorder

Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—38496

File No. Brunelle #1

T. 32 R. 59E

County Sheridan

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 22 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 232, Montana Session Laws, 1961)

Owner [redacted] Address [redacted]

Driller Dennis Sandvik Address Tioga N. DAK

Date of Notice of Appropriation of Groundwater

Date well started Aug 5th Date Completed Aug 12th

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

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

Top of Ground

(Elev. above sea level .....)

0 - 10 gray clay
10 - 12 br sand (small trace of water)
12 - 30 gray clay
30 - 38 sand (muddy gravel)
38 - 128 gray clay rock + gravel
128 - 134 gray sand
134 - 157 gray clay
157 - 160 gray sandy clay
160 - 202 gray clay
202 - 210 gray sandy clay
210 - 218 gray clay
218 - 249 gray sandy shale
249 - 286 gray clay
286 - 291 gray sand (water)

☞ 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)
2 1/2"	4 1/2" 10#	1' above surface	286	open hole completion with gravel		

Static Water Level for non-flowing Well 191 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 115 feet at 4 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested bail tested Length of Test 2 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) The 4 1/2" Csg with drive shoe, was driven into the top of water bearing sand at 286' (gravel packed inside of 4 1/2 Csg open hole)

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SE NW/4 Sec. 19 T. 32 R. 59E

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

Show exact depth of bottom.

138
Driller's License Number

Dennis Sandvik
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.

5501

333217

163

STATE OF MONTANA,
County of Silver Bow, ss.
Filed for record the 26th day of August A.D. 1962
at 4:00 o'clock P.M.

[illegible]
County Recorder

Deputy

Approved Stock Form—State Publishing Co., Helena, Montana—38496

File No. Brunette #1

T. 32 N R. 59 E

County Sheridan

19

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 22 1963
STATE ENGINEER

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

1. I, James A Lewis (Name of Appropriator) of Box 416 (Address) Dayton (Town) County of Sheridan, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is this water is used to cut the Sodium Chloride which is being produced from the Oil zone. (describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed 4-6 gal. per minute

4. The annual period (inclusive dates) of intended use 2-3 hours per day

5. The probable or intended date of first beneficial use latter part of Aug-63

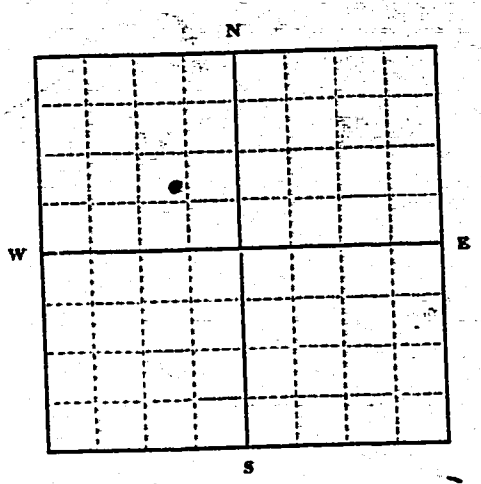
6. The probable or intended date of commencement and completion of the well* or wells* Commencement Aug 1 completion aug 15th

7. The location, type, size and depth of well or wells contemplated Oil well site fresh water injection well, 4 1/2" Casing.

8. The probable or estimated depth of the water table or artesian aquifier 50-300'

9. Name, address and license number of the driller engaged Edward H Fritz Box 732 Tioga N. Dak License #158

10. Give such other similar information as may be useful in carrying out the policy of this act



SENW 1/4 Sec. 19 T. 32 R. 59 E

Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Melvin E. Hoyer

Date July 28, 1963

* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn."

Three copies of this notice are to be filed with 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.

5473

#159

333-243

STATE OF MONTANA } ss.
County of Sheridan.

Filed this 20 day of
August A.D. 1962
at 2:00 o'clock P M.

L.H. Nelson
County Recorder

Deputy

GW 2

File No.

DUPLICATE

T 38N R 59 e

County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

RECEIVED
MAR 15 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level 2006)

5 - 21	gray sandy clay
21 - 23	sand, gravel (small show of water)
23 - 70	soft gray clay
70 - 95	brown sand, gravel
95 - 97	gravel(water)
97 - 105	gray clay

drive shoe on bottom

Show exact depth of bottom.

Owner James A. Lewis Eng. Co. Ltd. for Signal Drilling Address Box 548 Swift Current Sask.

Driller Edward. Prather Address Box 375 Tioga, N. D.

Date of Notice of Appropriation of Groundwater

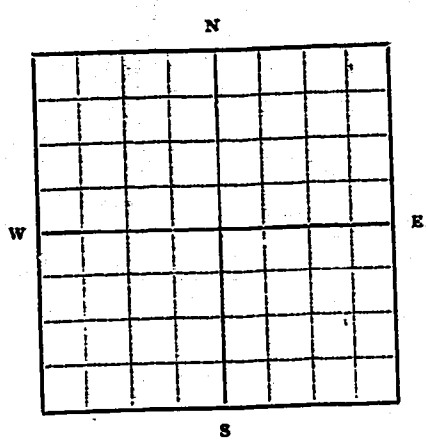
Date well started Dec. 16, 62 Date Completed Dec. 20, 62

Type of well drilled (dug, driven, bored or drilled) Equipment Used Cable tool (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)
4"	9Lbs&	surface	97'	no perforations		



~~SE ¼ SE~~ Sec. ~~19~~ T ~~35n~~ R ~~59e~~

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

Static Water Level for non-flowing Well 81 ~~from top~~ of ground feet.

Shut-in Pressure for Flowing Well

Pumping Water Level feet at gal. per minute.

Discharge in gal. per min. of ~~flowing~~ water well 30 gal. per min.

How Tested bailed2 Length of Test 2 hours

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

Driller's License Number

Edward H. Prather
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 the Appropriator.

3925

331971.

#142

STATE OF MONTANA, } ss.
County of Sheridan.

Filed this 14 day of
March A. D. 19 63
at 2:00 o'clock P. M.

L. D. Nelson
County Recorder

By Myrtle Slater
Deputy

GROUNDWATER INDEX

County SHERIDAN Twp. 31N Rge. 55E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
23	GREAT NORTHERN RAILWAY CO.	GW 4	331089	
23	OLSON, CLIFFORD A.	GW 4	334902	
24	SKILLINGBERG, HALVER	4	334850	
26	HANSEN, CURT H.	well log	328017	
28	STUBBAN, ELMER	" "	328030	
	STUBBAN, EDNA			
35	NELSON, OVE A.	GW 4	334658	

GW

Approved Stock Form—State Publishing Co., Helena, Montana—38687

File No.

T 31N R 55E

DUPLICATE

County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 17 1962
STATE ENGINEER

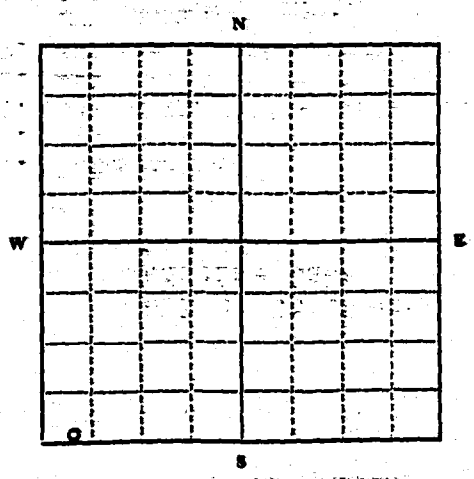
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Great Northern Railway Company, of 175 E. 4th Str., St. Paul, Minn.
(Name of Appropriator) (Address) (Town)

County of Sheridan State of Montana

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



SW ¼ SW¼ Sec. 23 T 31N R 55E

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

Well at Homestead Stockyards

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 1930 - Continuous use since this date.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 GPM

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Wells at: (1) Stockyard, Homestead; (2) Stockyard, Medicine Lake; and (3) Section House, Antelope.

(see reverse side for location of other two wells)

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater May 9, 1930 - June 3, 1930

8. The depth of water table Static water level - 47' 6/3/'30

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4" drilled well - 213' deep - cased 206.5'

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

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

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

GREAT NORTHERN RAILWAY COMPANY

Signature of Owner By: [signature]
Superintendent of the Minot Division

Date

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

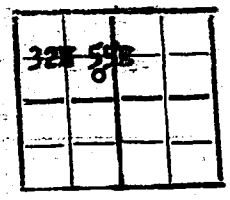
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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.

2710

Sec.___ T.___ R.___

SE¼ NW¼ 25 32N 59E



Well at Stockyard,
Medicine Lake

Sec.___ T.___ R.___

Well at Section House
Antelope

3. September 1930
4. N/A
7. August 11, 1930 - August 30, 1930
8. N/A
9. 30" drilled well - 20' deep - cased 20' with 27" vitrified pipe.
10. 100,000 gallons
11. N/A

Unable to find record of well at Antelope.

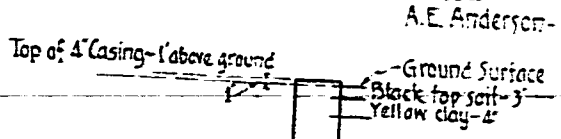
HOMESTEAD, MONT.

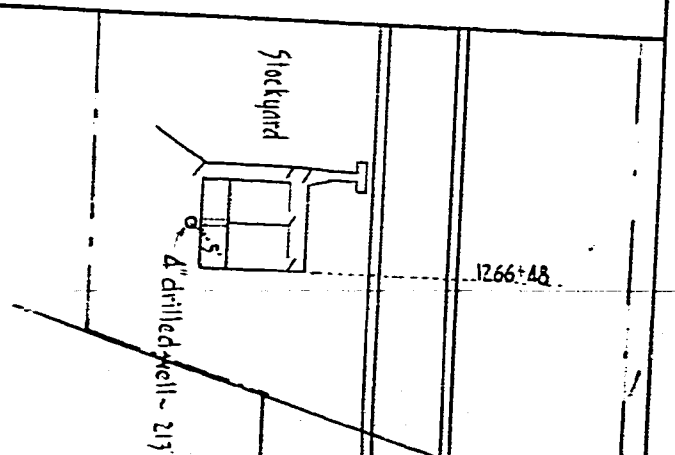
LOG OF STOCKYARD WELL

AFE 41586

Well drilled by Ry. Co. force & machine. Drilling began May 9th & finished June 3rd 1930.

A.E. Anderson - driller





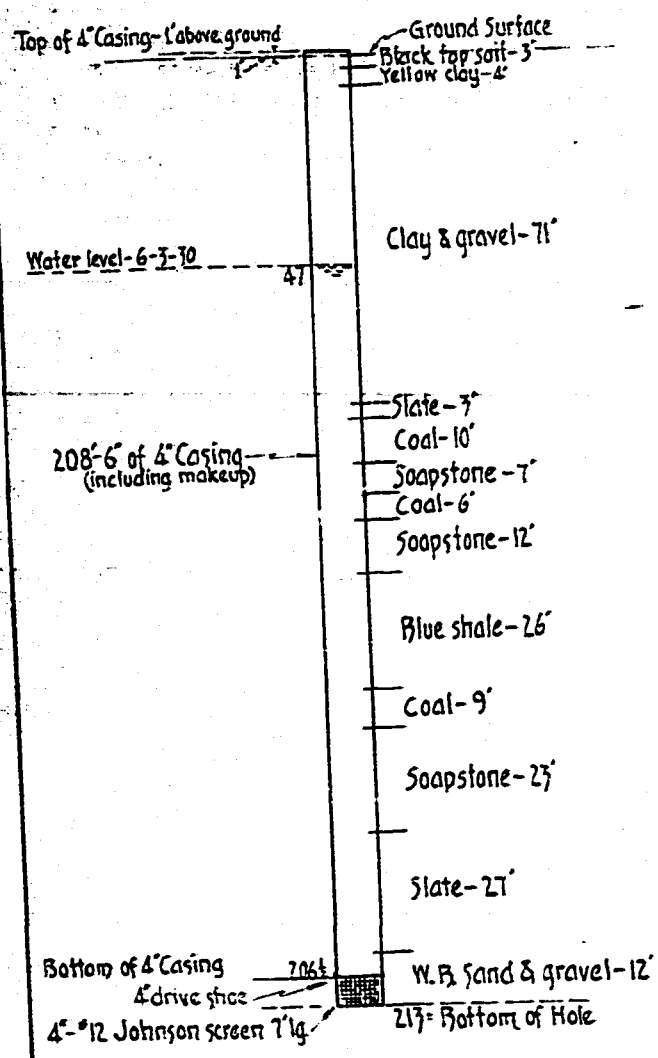
HOMESTEAD, MONT.

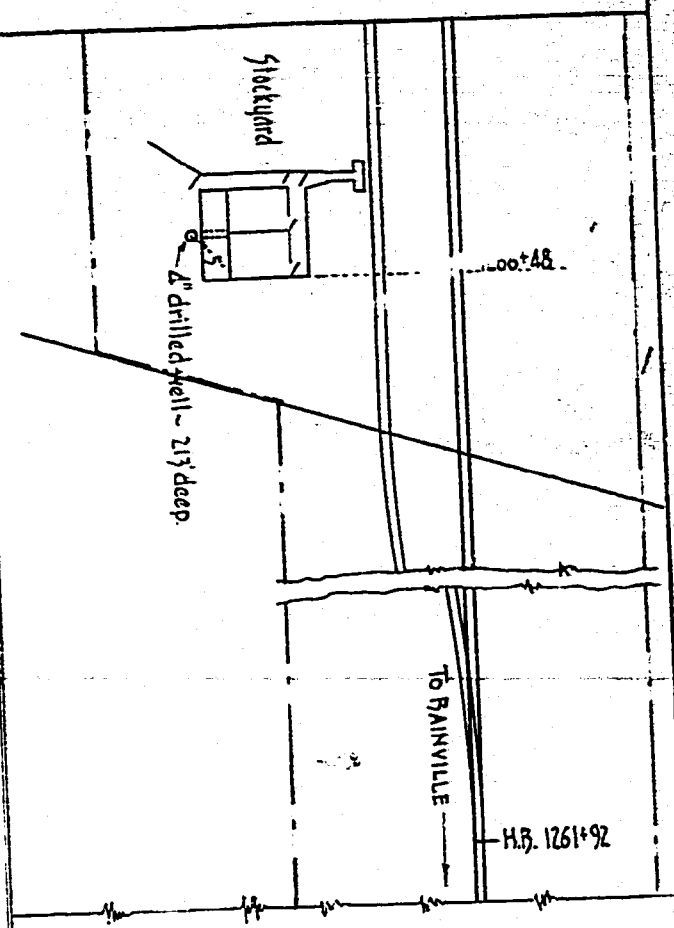
LOG OF STOCKYARD WELL

AFE 41586

Well drilled by Ry. Co. force & machine. Drilling began May 9th & finished June 3rd 1930.

A.E. Anderson - driller





Pumping Test:

Water level was 47' below surface and lowered to 51' when pumping at rate of 6 g.p.m.

Drilling:

Reached a depth of 108' when hole began to cave and 6" Casing was used to 158', - encountered rock and continued drilling 4" hole to 213'. Hole was cased to 206½' with 4". The 6" casing was removed.

Office of Engr. Water Service - 9-26-32

ID-1200-61

1331089 #109

STATE OF MONTANA, } ss.
County of Sheridan.

Filed this 13 day of Dec. A. D. 1962
at 1:00 o'clock P. M.

A. D. Hoover
County Recorder

By Myrth Hallin
Deputy

GW 4

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

73

File No.

T. 31N R. 55

DUPLICATE

County SHERIDAN

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 15 1964
STATE ENGINEER

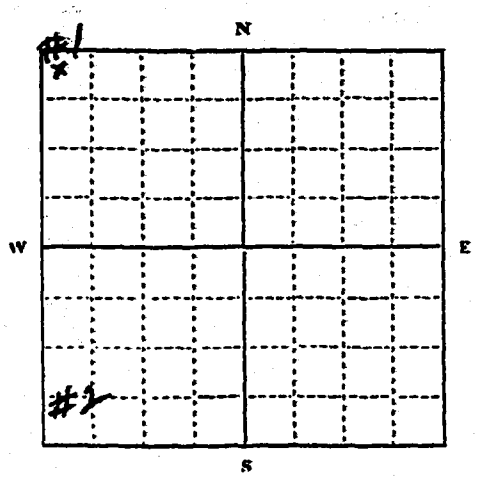
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. CLIFFORD A. OLSON, of HOMESTEAD
(Name of Appropriator) (Address) (Town)

County of SHERIDAN State of MONTANA

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



NW¼ NW¼ Sec. 23 T. 31 R. 55
SW¼ SW¼ 23 31 55

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
#1 WATER - FARM & RANCH USE
#2 HOME USE

3. Date or approximate date of earliest beneficial use; and how continuous the use has been #1 1915 STEADY TO DATE
#2 1951

4. The amount of groundwater claimed (in miner's inches or gallons per minute) #1 10 GAL. PER MIN.
#2 SAME

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 ONLY FOR GARDEN & YARD USE
#2 " " " "
& HOME

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal #1 WELL PUMP
#2 PUMP

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater #1 1915
#2 1951

8. The depth of water table #1 APPROX. 200 FT.
#2 " 200 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 #1 DRILLED
#2 "

10. The estimated amount of groundwater withdrawn each year 200,000 gal. APPROX. 100,000

11. The log of formations encountered in the drilling of each well if available
#1 Unavailable
#2 Clay - gravel

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

Signature of Owner Clifford Olson

Date DEC. 28 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.

33137

334902 #457

STATE OF MONTANA, }
County of Sheridan. } ss.

Filed this 31 day of
December A. D. 19 83.
at 1:00 o'clock P. M.

L.A. Nelson
County Recorder

Deputy

GW

Approved Stock Form—State Publishing Co., Helena, Montana—40876

24

File No.

T. 31 N R. 54 E

DUPLICATE

County Sheridan

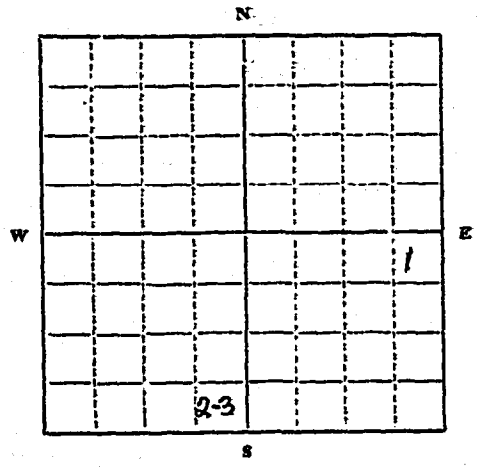
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 15 1964 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Halver Skillingberg (Name of Appropriator), of Homestead (Address) (Town)
County of Sheridan State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



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

1/4 Sec. 24 T. 31 R. 55

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 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 jet pump & cylinder pump No1 – NE¼ NE¼ SE¼ 24-31-54
No2 – SE¼ SE¼ SW¼ 24-31-54
No3 – SE¼ SE¼ SW¼ 24-31-54

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

8. The depth of water table approximately 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 bored wells 2 ft hole approximately 80 ft deep

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

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

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

Signature of Owner Halver Skillingberg

Date Dec 20, 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.

33099

334850

#399

STATE OF MONTANA, } ss.
County of Sheridan.

Filed this 30 day of December A. D. 1963 at 4:00 o'clock P. M.

L. A. Nelson
County Recorder

Deputy

26

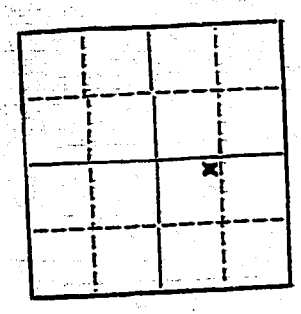
T 31N R 55E

County Sheridan

RECEIVED
JAN 2 1952
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Curt H. Hadse Address Homestead

Driller Unknown Address —

Date Started Date Completed 1907

Location: Sec. 26 T. 31 R. 55 ¼ sec. NW¼SE¼

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

Water use: Domestic [X] Municipal [ ] Stock [X] Irrigation [ ]

Industrial [ ] Drainage [ ] Other:

Casing: wood ft. to 80 ft. Type Wood Size 16 in

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 feet at gal. per min.

How tested:

Length of test

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

(over)

328017 #72

STATE OF MONTANA, }ss.
County of Sheridan.
Filed this 29 day of
December A. D. 19 61
at 930 o'clock A M.

[illegible]
County Recorder

Deputy

T. 28 R. 55

County Sheridan

RECEIVED JAN 2 1952 STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Elmer Stubblefield and Edna Stubblefield Address Homestead, Mont.

Driller Seismograph crew Address Dont Know

Date Started May 3 1954 Date Completed May 4 1954

Location: Sec. 28 T. 31 R. 55 ¼ sec.

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

Water use: Domestic [X] Municipal [ ] Stock [X] Irrigation [X]

Industrial [ ] Drainage [ ] Other:

Casing: 44 ft. to 50 ft. Type Iron Size 4 inch.

Casing: ft. to ft. Type Size

Perforated ~~or Screened~~: Ft. 20 to ft. Ft. to ft.

Type of screen or perforations Small holes.

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

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

Pumping water level Flowing feet at 50 gal. per min. 8

How tested: Visual & pump

Length of test 6 years

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

Above flowing well was drilled by a Seismograph crew, 1954. It started flowing in 24 hours and has continued since. It was drilled to a depth of 300 ft., but filled in to a depth of 50 ft. Forty four feet of perforated

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
		Casing was installed also an overflow pipe which fills a stock tank and is used for domestic use. This well flows at the rate of 8 gals. per minute except in dry seasons drops to four or five gals. per minute.

STATE OF MONTANA, } ss.
County of Sheridan.

Filed this 29 day of December A. D. 1961 at 3:12 o'clock P. M.

[illegible]
County Recorder

Deputy

3R0030 #62

G

Approved Stock Form—State Publishing Co., Helena, Montana—10876

File No.

T. 31 N R. 55 E

DUPLICATE

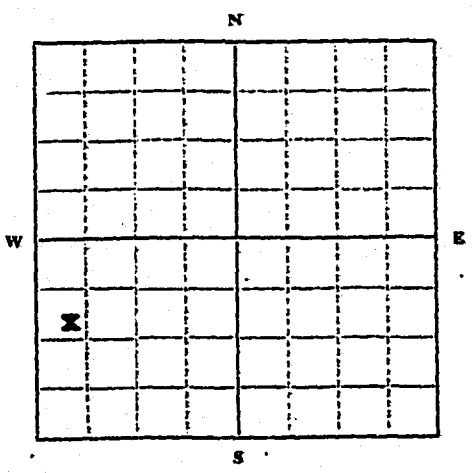
County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I Ove A. Nelson (Name of Appropriator), of Homestead (Address) (Town)
County of Sheridan State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW ¼ SW¼ Sec. 35 T31 R. 55

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 cattle

3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 1944, continuous use.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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 See plat. Cylinder pump. Electric motor.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater August 1944.

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 Sixty feet. 24" hole, wooden casing.

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

11. The log of formations encountered in the drilling of each well if available Doesn't remember.

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 Ove A. Nelson

Date December 19, 1953

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.

32981

334658 #280

STATE OF MONTANA } ss.
County of Sheridan.

Filed this 23 day of December A. D. 19 83.

at 8:00 o'clock A M.

L. A. Nelson
County Recorder

Deputy

GROUNDWATER INDEX

County SHERIDAN Twp. 31N Rge. 56E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
8	MILLER, OLGA	GW 4	334503	
9	MAMIE BARSNESS ESTATE	4	334502	
17	NELSON, CARL A	4	334399	
19	BAKKEN, PALMER	4	334830	
	BAKKEN, BETTY			
19	MCCABE FARMS INC	GW 2	35~~6654~~ 7935	
19	OLSON, HARRIET M	GW 4	334903	
20	BAAKEN, MERVIN	GW 2	356758	
20	BAKKEN, MERVIN C.	GW 1	331066	
20	BOLSTAD, JAMES S	GW 4	330668	
21	BOLSTAD, KINLEY E.	4	334853	
	BOLSTAD, NORA			
21	BOLSTAD, KINLEY E	4	334851	
	BOLSTAD, NORA	GW 3	~~3~~	
21	PAULSON, CHESTER	GW 4	330067	
22	BOLSTAD, KINLEY E.	GW 3	334852	
	BOLSTAD, NORA			
22	BOLSTAD, KINLEY E.	GW 4	334854	
	BOLSTAD, NORA			
24	NELSON, EDDIE M.	4	334675	
	NELSON, TRENEL			
26	MARTINI, FLOYD	GW 2	335174	
27	MARTINI, FLOYD	GW 4	334904	
32	DEUBNER, EDWARD	P. well log	328029	
19	McCabe Farms	GW 2	356693	
19	" " " , Inc.	2	356694	
20	Bakken, Mervin	2	331127	

G\

Approved Stock Form—State Publishing Co., Helena, Montana—40876

File No.

T. 31 N R. 56 E

DUPLICATE

County

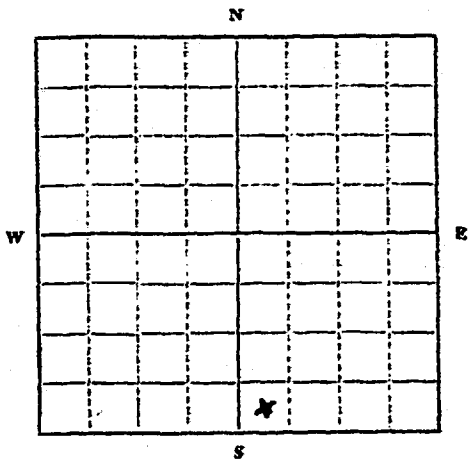
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 15 1964 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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



SW ¼ SE ¼ Sec. 8 T. 31 R. 56

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

2. The beneficial use on which the claim is based Livestock home and yard and garden use.

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 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 yard and garden two acres SW¼ of SE¼ of 9-31-56

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal piston pump SW¼ SE¼ of Sec 9 T. 31 R. 56

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

8. The depth of water table unknown

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater piston pump 6 inche casing 130 feet

10. The estimated amount of groundwater withdrawn each year unknown

11. The log of formations encountered in the drilling of each well if available
Bottom in coal cost is unknown

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

Signature of Owner Kenneth Engelke Operator

Date 10-12-63

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

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

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

32925

334503 # 323

STATE OF MONTANA, }
County of Sheridan. } ss.

Filed this 10 day of Dec A. D. 19 63

at 1:30 o'clock P M.

L. D. Nielsen
County Recorder

By Myrth Hahn
Deputy

G

Approved Stock Form—State Publishing Co., Helena, Montana—40876

File No. _____

T 31N R 56E

DUPLICATE

County _____

RECEIVED JAN 15 1964 STATE ENGIN.

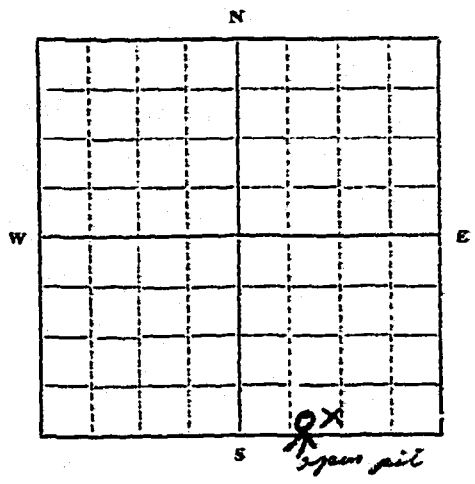
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Minnie Baranes estate, of Homestead Montana
(Name of Appropriator) (Address) (Town)

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



SW ¼ SE ¼ Sec. 9 T. 31 R. 56

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 for livestock use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1959 8 months of the year

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal X piston pump and O open pit.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June 1959

8. The depth of water table 1½ foot

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 piston pumps 6 inch casing 22 feet. centifugal pumps from open pit

10. The estimated amount of groundwater withdrawn each year unknown

11. The log of formations encountered in the drilling of each well if available 6 inch well in gravel for twenty three feet bottom is yellow clay open pit is gravel for twenty three feet bottom is yellow clay.

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

Signature of Owner Kenneth Engelke appriator

Date 12-10-1963

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.

32924

334502 # 222.

STATE OF MONTANA, } ss.
County of Sheridan.

Filed this 10 day of Dec. A. D. 19 63

at 1:30 o'clock P. M.

L. D. Nielsen
County Recorder

By Myrth Walker
Deputy

Approved Stock Form—State Publishing Co., Helena, Montana—40876

317

File No. _____

T. 31 N R. 56

DUPLICATE

County Sheridan

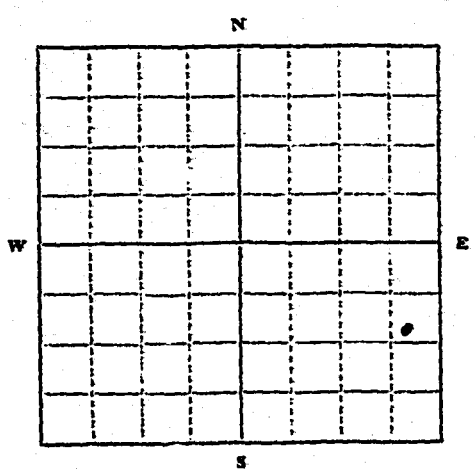
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED DEC 9 1963 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Carl A. Nelson (Name of Appropriator), of Homestead (Address) (Town)
County of Sheridan State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE¼SE Sec. 17 T. 31 R. 56

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

2. The beneficial use on which the claim is based
Livestock - garden irrigation etc.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
1931 used every day

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
50 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
S.E.¼ S.c. 17 Tsp. 31 R 56
Windmill with pump jack

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
1931 165 ft. drilled well 4" hole

8. The depth of water table 125 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
165 ft. deep withdrawn by windmill and pump jack with 2½ cylinder on pipe

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
none available

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

Signature of Owner Carl A. Nelson

Date Nov. 15, 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.

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