

237

334544

STATE OF MONTANA, } ss.
County of Sheridan.

Filed this 11 day of

Dec. A. D. 19 63

at 3:00 o'clock P M.

L. G. Miller
County Recorder

Deputy

Sheridan Co
cc 13

13

Operator Amerada Hess Corporation (formerly known
as Amerada Petroleum Corporation)

Well No. 2 Sec. 13, Twp. 36N, Rge. 52E

That, in accordance with Oil and Gas Conservation Commission Regulation 233.6, I do hereby notify the Oil and Gas Conservation Commission of the State of Montana of my desire to utilize said well as a fresh water well; and, that if such utilization is approved, I do hereby release and discharge the operator hereinabove named from any further work or responsibility in relation to the plugging of said well.

William Miller, surface lessee

In the presence of

Edgar E. Zura Address Outlook Mont
Wm. J. M. Edgerton Address Outlook Mont

APPROVED: Jedam S. Saut
s/ Petroleum Engineer 2/18

9/18/69

45660

Sheridan
Co. cc 13

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA

R E L E A S E

KNOW ALL MEN BY THESE PRESENTS, that we, NELLE D. RUEGSEGGER and NEAL R. RUEGSEGGER of the County of Sheridan in the State of Montana, are the owners of the hereinafter described land upon which a well for oil or gas was drilled, to-wit:

Operator Amerada Hess Corporation (formerly known as Amerada Petroleum Corporation)

Lease Name R. W. Ruegsegger Tract 1

Well No. 2 Sec. 13, Twp. 36N, Rge. 52E

The well is located 600 feet North of the South line and 1982 feet West of the East line.

That, in accordance with Oil and Gas Conservation Commission Regulation 233.6, we do hereby notify the Oil and Gas Conservation Commission of the State of Montana of our desire to utilize said well as a fresh water well; and, that if such utilization is approved, we do hereby release and discharge the operator hereinabove named from any further work or responsibility in relation to the plugging of said well.

WITNESS our hand and seal this 8th day of July, 1969.

Nelle D. Ruegsegger
Nelle D. Ruegsegger, Landowner

Neal R. Ruegsegger
Neal R. Ruegsegger, Landowner

In the presence of

John G. M. Dean Address Williston, N.D.
Carl E. W. Braden Address Williston, N.D.

APPROVED:

s/

Judson A. Smith
Petroleum Engineer 9/18/69

45660

T. 36 R. 52 15

County Sheridan

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
NOV 2 1960

WATER WELL LOG

STATE ENGINEER

Owner Frank Bucklin Address Outlook, Mont.

Driller Lagerquist Drilling Co. Address Westly, Mont.

Date Started Oct 8, 9 1960 Date Completed Oct 15, 1960

Location: Sec. 15 T. 36 R. 52 $\frac{1}{4}$ sec. S.W. 1/4 S.W. 1/4

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

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐

Casing: 0 ft. to 915 ft. Type Stand. Blk. 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: 50 feet.

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

Pumping water level: 100 feet at 4 gal. per min.

How tested: Pumped

Length of test: 12 hrs.

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 - 15		Blue Clay
15 - 18		Blk-jack
18 - 19		Red Clay
19 - 76		Brown Clay
76 - 136		Blue Shale
136 - 138		Gray Clay
138 - 155		Green Shale
155 - 195		Hard Blue Shale
195 - 253		Sandy Blue Shale
253 - 254		Brown Shale
254 - 255		Black Jack
255 - 280		Sandstone Water

Cased to 215 ft. Standing on rock.
Balance of Hole is not cased.

22. 186

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157

Product type

1

order

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1

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana—42196

File No.

T. 36 N R 32

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 15 1964

**Notice of Completion of Groundwater Appropriation
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

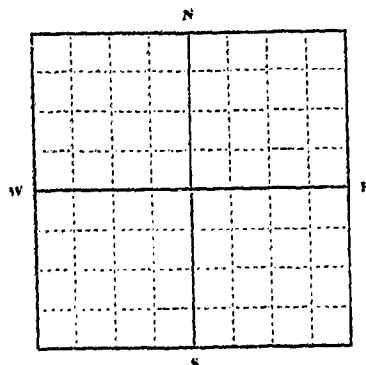
Date of Appropriation of Groundwater 1924Owner Alfred K. Tange Address Redstone, Montana

Contractor (if any)

Address of Contractor

Date Started Date Completed

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Flowing Springs, (Two)



NW 1/4 SE 1/4 Sec 19 T 36 R 32

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 15 gals
per minute

Signature of Owner Alfred K. TangeDate December 30, 1963

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

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

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

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

33075

334826

#375

STATE OF MONTANA, } ss.
County of Sheridan.
Filed this 30 day of
December A. D. 1913
at 4:00 o'clock P. M.
H. J. Nelson
County Recorder

Deputy

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

County _____

21
FEB 1 - 1971

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL
Developed After January 1, 1962

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

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

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

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

For Administrator's Use	
File	356192
	February 1, 1971
	1:00 P.M.
GW 1	

Owner Herbert & Elizabeth Korf
Address 2868 Lexington St. St Paul Minn 55118
Contractor (if any) Erwin White
Address of Contractor Plantwood Mont.
Date Started 1964 Date Completed 1964

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

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

3. Depth of water table _____

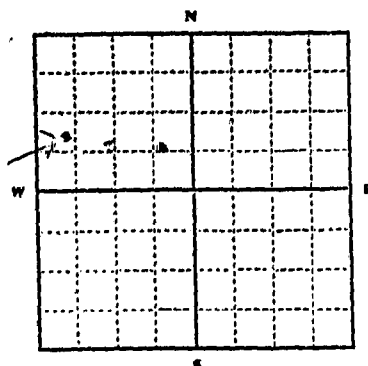
4. Use of the water for cattle

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

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

7. Estimate amount of water used each year 90,000 gal
consumed by cattle

8. Months of year spring flows 9



SW 1/4 NE 1/4 Sec. 21
T. 36 N. R. 52 E.

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

Spring No 1
Harington Mine

Signature of Owner Herbert Korf by Gerald Korf
Date Feb 1 1971

481041

593

356192

STATE OF MONTANA, ss.
County of Sheridan.

Filed this 1 day of

February A. D. 1911

at 1:00 o'clock P. M.

L. S. Nelson

County Recorder

By Myrtle Haller
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—3918

File No.

T. 36 N. R. 52 S. 21

DUPLICATE

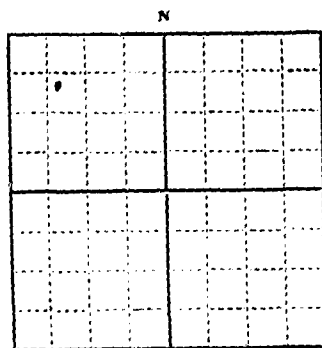
County SheridanSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEERRECEIVED
MAR 3 - 1965Notice of Completion of Groundwater
Appropriation by Means of Well
STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Owner Mike Nether Address Raboteau MontDrilled by Western Drilling Co Address Mad Lake MontDate of Notice of Appropriation of Groundwater 9-16-64Date well started 9-25-64 Date Completed 9-27-64Type of well drilled Equipment Used rotary
(dng, 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)
8"	4" 1.0. steel 11 lbs per ft	0	36'	fine cutts	34'	36'



N 1/4 Sec. 21 T. 24 N. R. 52 W.
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 31 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 34 feet at 4 gal gal. per minute.

Discharge in gal. per min. of flowing well

How Tested pump Length of Test 3 hoursRemarks: (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) 8" hole was drilled to 36 ft. Casing was cemented in hole and pea gravel was poured around casing above water106
Driller's License NumberLloyd B. Carlson
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.

38986

338034 #542

STATE OF MONTANA, ss.
County of Sheridan.

Filed this 3rd day of

December A. D. 1914
at 2:00 o'clock P. M.

R. D. Nielsen
County Recorder.

By Myrtle Hallen
Deputy

JW 3

File No.

DUPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—42197

RECEIVED
MAY 20 1964

T. 21

R. 36

21

County Shannon

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 15 1964

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater..... 1950

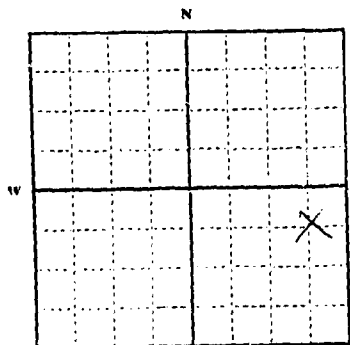
Owner Alfred K. Tange Address Redstone, Montana

Contractor (if any)

Address of Contractor

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

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



NE 1/4 Sec. 21, T. 36, R. 52

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. 15 gals per minute

Signature of Owner Alfred K. Tange

Date December 30, 1963

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

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

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

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

33074

334825

#374

STATE OF MONTANA, ss.
County of Sheridan.

Filed this 30 day of
December A. D. 1913
at 4:00 o'clock P.-M.

L. A. Nolan
County Recorder

Deputy

File No.

T 36 R 52

DUPLICATE

County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

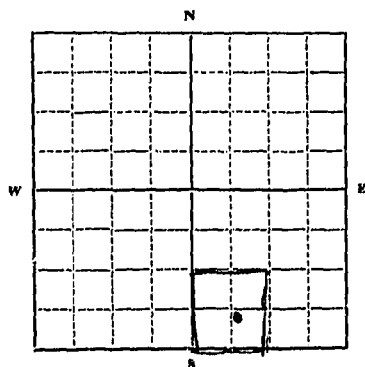
RECEIVED
NOV 1 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. JOHN A. THORSON, of Outlook,
(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 1/4 Sec 21 T.36. R. 52

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 and general farm and personal use.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been October 5, 1958--used since as needed.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 35 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal by well
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater completed October 5, 1958--commenced about October 1, 1958; cased
8. The depth of water table xxx about 60'
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 110' deep; 8" casing
10. The estimated amount of groundwater withdrawn each year 120,000 gallons to 130,000
11. The log of formations encountered in the drilling of each well if available unknown
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Date 10/30/63

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

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

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

6756

334631

188

STATE OF MONTANA, ss.
County of Sheridan
Filed this 30 day of
October A. D. 1963
at 2:00 o'clock P M.
L. J. Nielsen
County Recorder

Deputy

File No.

T. 36^N R. 52^E

DUPLICATE

County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 15 1964

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....

Owner Frank W. Bucklin Address Outlook, MontContractor (if any) None

Address of Contractor

Date Started..... Date Completed 1935Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring piped into tank.

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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 gal per min.used to water stock year around.

.....

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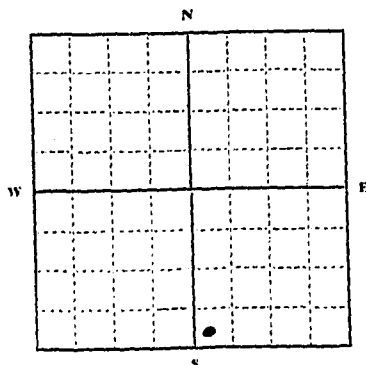
Signature of Owner Frank W. BucklinDate Dec. 23, 1963

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

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

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

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

SH. 1/4 SE Sec 22 T 36 R. 52

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

334 724 # 298

STATE OF MONTANA, ss.
County of Sheridan.

Filed this 23rd day of
December A. D. 1983
at 2:00 o'clock P. M.

L. A. Nicks
County Recorder

Deputy

GW 3

File No.

DUPLICATE

SECTION No 2

RECEIVED
MAY 20 1964

Approved by State Publishing Co., Helena, Montana - 42198

T. 36 N. R. 52

County: Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 15 1964

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....1941.....

Owner.....Harry P. Loucks.....Address.....Plentywood, Mont.

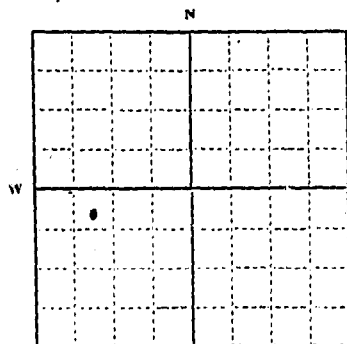
Contractor (if any)~~xxxx~~ Soil conservation.....

Address of Contractor.....Plentywood, Mont.

Date Started.....1959.....Date Completed.....1959.....

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

~~well with perforated tile~~.....



N.M.N. Sec. 25 T. 36 R. 52

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.....year round flow.....

used for livestock purposes.....

Signature of Owner.....Harry P. Loucks.....

Date.....December 31, 1963.....

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

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

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

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

#454

334919

STATE OF MONTANA, ss.
County of Sheridan.
Filed this 31 day of
December A. D. 1963.
at 1:00 o'clock 2 M.
L. A. Mule
County Recorder

Deputy

GW3

File No.

T. 36 R. 32

DUPLICATE

County. Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 1 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

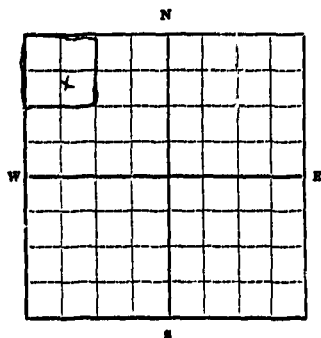
acquired land in
Date of Appropriation of Groundwater November 2, 1940;
predecessors in interest used water since 1955.
Owner John A. Thorson Address Outlook, Montana

Contractor (if any)

Address of Contractor

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

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



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 used year-

NW 1/4 Sec. 28, T36, R. 32

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

around--runs 24 hours a day at 150 (150) gallons per hour, total of 1,200,000 gallons per year

Signature of Owner John A. Thorson

Date October 30, 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.

6755

334030 # 187

STATE OF MONTANA, ss.
County of Sheridan.

Filed this 30 day of
October A. D. 19 63
at 2:00 o'clock P. M.

L. A. Neilsen
County Recorder

Deputy

File No.

T. 36 R. 52

DUPLICATE

County Shelburne

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)

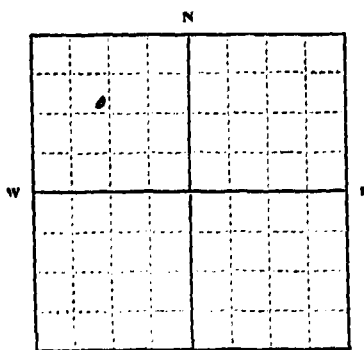
Owner J. A. Thorsen Address Butte, Mont
Driller Western Drilling Co Address Med Lake, Mont
Date of Notice of Appropriation of Groundwater Oct 10, 63
Date well started Oct 31, 63 Date Completed Nov 7, 63
Type of well drilled Equipment Used Rotary
(dug, driven, bored or (Churn, drill, rotary or
drilled) 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.

0 Top of Ground
(Elev. above sea level)
16 sand & gravel
24 yellow clay
31 yellow sand
33 blue clay
36 blue clay
40.6 blue clay
41.6 sand
42.6 coal - 12 gal/min.

91 blue clay
93 broken coal water
96 sand
99 sandy clay
100 sand broken coal water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	4" I.D. steel 11 lbs per ft	0	92'	fine cobb	91'	92'
3"	2 1/2" I.D. steel 6 lbs per ft	92	100	fine cobb	99'	100'



NW 1/4 Sec. 28 T. 34 R. 52
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 7.8 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 90 feet at 3 1/2 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Pumping Length of Test 4 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) 4" casing was set to 92 ft. seal between casing and ground was made at 89 ft by wellbore grouting hole was extended to 2 1/2' below 4" casing

106
Driller's License Number

Lloyd H. Carlson
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.

32957

334618 #255

STATE OF MONTANA, } ss.
County of Sheridan.

Filed this 18 day of
December A. D. 1962
at 1:00 o'clock 3 M.

J. A. Thelin
County Recorder

Deputy

RECEIVED

NOV 2 1959

T. 36 R. 50

County: Sheridan

29

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Orville Nash Address: Redstone, Mont.

Driller: Gust E. Lagerquist Address: Montby, Mont.

Date Started: May 15, 1959 Date Completed: July 15, 1959

Location: Sec. 20 T. 36 R. 50 1/4 sec. NE 1/4

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other: Test Hole Dry

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

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)

RECEIVED
NOV 2 1959

T. 36 R. 52 29

County Sheridan

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Orville Nash Address Redstone, Mont.

Driller Lagerquist Drilling Co. Address Westby, Mont.
Gust. E. Lagerquist

Date Started May 15, 1959 Date Completed July 15, 1959

Location: Sec. 29 T. 36 R. 52 1/4 sec. NE 1/4

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other: Test Hole Dry

Casing: ft. to ft. Type Size

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)

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.....

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
1	20	Brs. clay
20	105	Blue clay Sandy yellow clay
105	122	Blue clay
122	158	Quick-Sand
150	163	Semi-Sand-Stone dry*
163	181	Shale
181	183	Rock
183	246	Shale
246	247	Fine- Sand
247	250	Coal dry
250	255	Shale
255	258	Coal dry
258	275	Shale
275	278	Sandy-shale
278	333	Shale
333	335	Coal dry
335	372	Shale
372	374	Black-Jack
374	381	Shale
381	383	Rock
383	596	Shale
596	597	Rock
597	620	Shale
620	632	Shale
632	634	Rock
634	800	Shale
Thin seam of coal at 475 ft. produces 1 gallon per min.		

Log of Well

Depth, feet		Description of Material Drilled
From	To	
1	20	Bru. clay
20	105	Blue-clay Sandy yellow clay
105	122	Blue clay
122	150	Quick-Sand
150	163	Semi-Sand-Stone dry*
163	181	Shale
181	183	Rock
183	246	Shale
246	247	Fine-Sand
247	250	Coal dry
250	255	Shale
255	258	Coal dry
258	275	Shale
275	278	Sandy-shale
278	333	Shale
333	335	Coal dry
335	372	Shale
372	374	Black-Jack
374	381	Shale
381	383	Rock
383	596	Shale
596	597	Rock
597	620	Shale
620	632	Shale
632	634	Rock
634	800	Shale
This seam of coal at 475 ft. produces 1 gallon per min.		

GW3

File No.

DUPLICATE

T. 36 N. R. 52 E. 30

County Shields

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 15 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1913

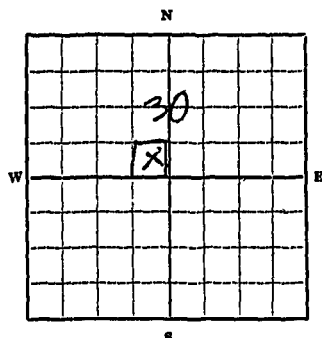
Owner Push Bros. Inc. Address Redstone Mont.

Contractor (if any)

Address of Contractor

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

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



lot 1 of NW 1/4 Sec. 30 T. 36 R. 52

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 5 gal

a minute water is used for
stock 18 months of 24 months

Signature of Owner Push Bros.

By Willard Push Date 12/60/63

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.

226

334543

STATE OF MONTANA, ss.
County of Sheridan.
Filed this 11 day of
December A. D. 1963
at 3:00 o'clock P. M.
L. D. Nielsen
County Recorder

Deputy

RECEIVED

County Blaine 33

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

DEC 20 1971

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.

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 Golden Tongue

Address Plentywood

Montana

Date well started 6-10-71

completed 6-13-71

Type of well drilled

(Dug, driven, bored or drilled)

Equipment used rotary

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

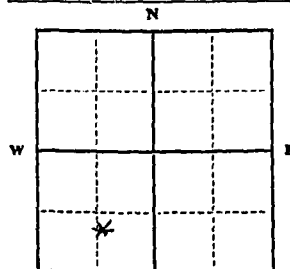
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
6" hole to 88ft then 4 3/4" hole to 118ft	4" I.D. 10 lbs per ft	0	117'	Kind Size From (Feet) To (Feet)
				touch cutter 101' to 117'



Static water level 87 ft.*
Pumping water level 160 ft.*
at 5 gallons per minute,
measured minutes after pumping began.

*Measured from ground level.

Well developed by touch for 1 hr. hours.

Power Pump HP

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

and set at 88ft

SE 1/4 SW 1/4 Sec. 33
T. 36 N. R. 52 E. S. 4

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

Driller's Signature Philip H. Carlson

Driller's Address 1114 Lake Street

LICENSE NO. 106

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	23	gravel
23	27 1/2	clay
27 1/2	29	blue loam
29	30	clay
30	40	mixed clay
40	44	blue clay
44	44 1/2	sand
44 1/2	48	sandy clay & sand
48	51	loam
51	52 1/2	clay
52 1/2	53 1/2	loam
53 1/2	54	clay
54	57	loam
57	68	clay
68	69 1/2	loam
69 1/2	87 1/2	clay
87 1/2	89	loam
89	94	clay
94	97	sandy clay
97	99	soft sandy clay
99	118	sandy water here

118ft Show exact depth of bottom

49648

258563 #602

STATE OF MONTANA, ss.
County of Sheridan.
Filed this 29 day of
December A. D. 1927
at 10:00 o'clock A. M.
Ed Nelson
County Recorder
By Myrtle Haller
Deputy

File No.

T. 36N R. 52E 33

DUPLICATE

County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

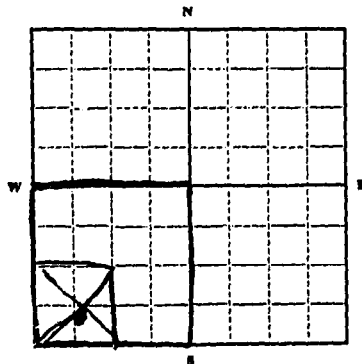
(Under Chapter 237, Montana Session Laws, 1961)

Lars G. Brastad and Sylvia Brastad, husband and wife, as joint tenants with right of survivorship, not tenants in common, Redstone, Montana

1. (Name of Appropriator) of (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 $\frac{1}{4}$ SW Sec 33 T 36 R 52

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 personal household, livestock use, garden irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been May, 1917--continuous ever since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gals. per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof tree & garden irrigation around homeplace-SW $\frac{1}{4}$ SW $\frac{1}{4}$ above described.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal windmill pump, with motor---well drilled.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced and completed in May, 1917--one well.

8. The depth of water table 125', static water line 20'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4" casing---depth of 125', drilled well;

10. The estimated amount of groundwater withdrawn each year 750,000 gallons

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

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

Signature of Owner Sylvia Brastad

Date December 27, 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.

331293 #115

STATE OF MONTANA, ss.
County of Sheridan.
Filed this 27th day of
December A. D. 1962
at 2:00 o'clock P. M.
A. Hout
County Recorder
Deputy

File No. _____

T 3 N R 2 E

County Sheridan

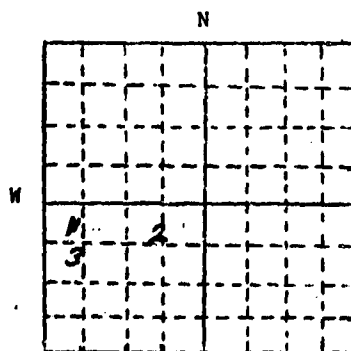
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

R
JAN 15 1964

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

1. W. Hutton Loucks, of Box 13, Redstone, 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:



NE 1/4 Sec. 26 T. 26 N. R. 26 E.
Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based
Livestock, Household and general farm

3. Date or approximate date of earliest beneficial
use; and how continuous the use has been
Well No. 1 - 1917 -- Well No. 2 - 1956
Well No. 3 - 1913 continuous use

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

5. If used for irrigation, give the acreage and
description of the lands to which water has
been applied and name of the owner thereof
No irrigation

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

7. The date of commencement and completion of the construction of the well, wells, or
other works for withdrawal of groundwater Well no. 1 - 1917 --- Well no. 2
1956 - Well no. 3 - 1913 --- Continuous use

8. The depth of water table Well no. one and two - 300 ft. Well no 3 - 20 ft.

9. So far as it may be available, the type, size and depth of each well or the general
specifications of any other works for the withdrawal of groundwater
Wells no. one and two drilled wells with four inch casing.
well no. three bored well with fifteen inch casing.

10. The estimated amount of groundwater withdrawn each year normal farm usage

11. The log or 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 Roger D. Loucks

Date Jan 24 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.

33153

334918

#452

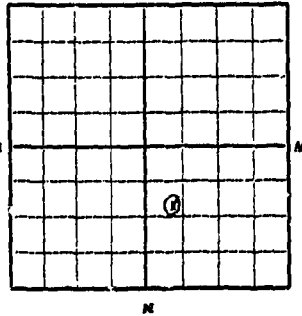
STATE OF MONTANA,
County of Sheridan, 19.
Filed this 31 day of
December A.D. 1918
at Loc O.K. 3 M.
H. Q. Nelson
County Attender
Deputy

33024

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 Quaduplicate for the Appropriator.

Date 13-36-63
Signature of Owner Robert M. Dwyer

SE 1/4, Sec. 36, T36N, R. 53E
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.
5 gallons a minute continuously thru pipe into tank.



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Pipe running from pool in hillside - not very deep and to be reached by walking.

Date Started 1914 Date Completed 1914
Address of Contractor _____
Contractor (if any) _____
Writer Robert M. Dwyer Address _____
Date of Appropriation of Groundwater 1914

(Under Chapter 237 Montana Session Laws, 1961)

Notice of Completion of Groundwater Appropriation Without Well

JAN 15 1964

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

County Shannon
T 36N R 53E
36

DUPLICATE

File No.

GW 3

GW 3

File No.

DUPLICATE

T. 36 N. 52 E. 36
County Sheridan

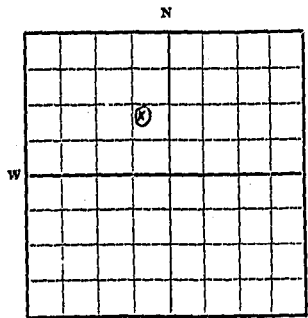
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 15 1964

Notice of Completion of Groundwater Appropriation Without Well ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1914
Owner Quentin M. Bugh Address Redstone, Mont
Contractor (if any) none
Address of Contractor
Date Started 1914 Date Completed 1814



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. pipe running from pool in hillside - pool may or may not be enclosed by curbing.

SE 1/4 NW 1/4 Sec. 36 T. 36 R. 52 E

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.

5 quailers a minute continuously thru pipe into tank.

Signature of Owner Quentin M. Bugh
Date 12-26-63

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.

334763 #324

STATE OF MONTANA, ss.
County of Sheridan.

Filed this 27 day of
December A. D. 1963
at 12:20 o'clock P. M.

L. P. Nelson
County Recorder

Deputy

GW 3

File No.

DUPLICATE

T. 36 N. R. 55 E. 36
County Sheridan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 15 1964

STATE ENGINEER

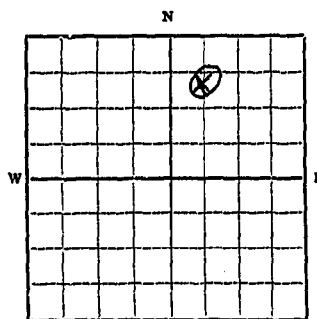
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1948
Owner Quentin M. Gough Address Redstone Mont
Contractor (if any) none
Address of Contractor

Date Started Date Completed Sept 1, 1948

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. natural process, water flowing into pipe from pool in hill side



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

NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 36 T. 36 R. 55 E. 36 tent estimate approximate lengths of periods of use 3 gallons per minute flow thru pipe

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

Signature of Owner

Date

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.

33022

334761 #322

STATE OF MONTANA, } ss.
County of Sheridan.

Filed this 27 day of

Dec. A. D. 1963

at 12:20 o'clock P M.

L. H. Nelson
County Recorder

Deputy

GROUNDWATER INDEX

Page 1 of 1

County SHERIDAN

Twp. 36N

Rge. 53E

[illegible]

T. 36 N., R 53. E.

SHERIDAN COUNTY

File No.

DUPLICATE

T. 36 R. 53

County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

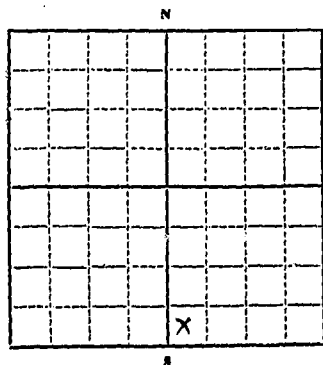
RECEIVED

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, Oscar Lindu, of Plentywood,
(Name of Appropriator) (Address) (Town)
County of Blaine State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 1 T36 R53

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
catch and pump out use.
3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been Oct 1913 - and is
still in use.
4. The amount of groundwater claimed (in miner's inches or 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
for small garden.
6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal.
from
7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater..... in #3.
8. The depth of water table..... 160'
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater.....
10. The estimated amount of groundwater withdrawn each year household use now.
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 Oscar LinduDate Feb 4, 1963

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

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

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

3542

331650 #137

STATE OF MONTANA, ss.
County of Sheridan.
Filed this 7 day of February A. D. 1963
at 3:00 o'clock P. M.
L. D. Nielsen
County Recorder
By Myrtle Haller
Deputy

File No.

T. 36 N. R. 53 E.

DUPLICATE

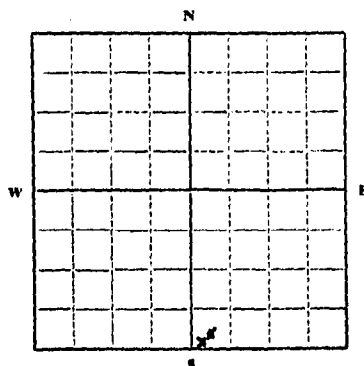
County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Arnold H. Boe of Outlook
(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 SE 1/4 Sec. 3 T. 36 R. 53

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, household use and irrigation

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been.....
Continuous since 1915

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

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 for irrigation of yard within area of
500 feet from wells.

6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal.....
Electric motors on cylinder and jet pumps.
Location of wells is indicated on map.

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater..... Construction of wells was commenced and completed in the years
1915 and 1958.

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..... Wells are drilled and cased with four inch steel
pipe. Depths are 137 feet and 176 feet.

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

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

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

Signature of Owner Arnold H. BoeDate Dec. 30, 1963

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

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

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

33106

334869

#406

STATE OF MONTANA, ss.
County of Sheridan.
Filed this 31 day of
December A. D. 1983
at 10:00 o'clock A. M.
L. A. Nelson
County Recorder

Deputy

RECEIVED

MAY 23 1958

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Arnold Roe Address Carlisle, Mont.

Driller Timothy H. H. H. H. Address Plentywood, Mont.

Date Started 6-20-1958 Date Completed 6-20-1958

Location: Sec. 3 T. 26 R. 53 $\frac{1}{4}$ sec. SW $\frac{1}{4}$ SE $\frac{1}{4}$

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 140 ft. Type Steel Size 4"

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

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

Perforated or Screened: Ft. 125 to ft. 129 Ft. _____ to ft. _____

Type of screen or perforations Slot

Static Water level, for non-flowing well: 96 feet.

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

Pumping water level 126 feet at 150 gal. per min.

How tested: Type

Length of test End of 16 hours continuous pumping

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

None

(over)

[illegible][illegible]

RECEIVED
NOV 2 1959

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 36 R. 53

County Sheridan

WATER WELL LOG

Owner ^{M.} Mrs. Carlson Address Outlook, Mont.
Driller Gust. R. Lagerquist Address Westby, Mont.
Date Started 10/26/59 Date Completed 10/28/59
Location: Sec 9 T. 36 R. 53 1/4 sec Block 15 Lot 1 & 2

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

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0- ft. to 104 ft. Type Blk. 11# Size 4"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. Perf. 94-104 Ft. to ft.

Type of screen or perforations Slots Oxy.-Acet. touch used

Static Water level, for non-flowing well: 91 feet.

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

Pumping water level 97 feet at 2 1/2 gal. per min.

How tested: Pumped

Length of test 10 hours

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

(over)

[illegible]

RECEIVED
NOV 25 1959

T. 36 N R. 53 E
County: Sheridan

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: G.W. Mills Address: Cutlock, Mont.
Lagerquist Drilling Co.
Driller: Gust. E. Lagerquist Address: Westby, Mont.
Date Started: 10/29/59 Date Completed: 10/31/59
Location: Sec. 9 T. 36 R. 53 1/4 sec. Lot 4 Pk. 14

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

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

Casing: 0 ft. to 101 ft. Type: 2 1/2" 1 1/2" Size: 1 1/2"

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

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

Perforated or Screened: Ft. 34 to ft. 101 Ft. _____ to ft. _____

Type of screen or perforations: Slot Exp. Acet. touch

Static Water level, for non-flowing well: 75 feet.

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

Pumping water level: 35 feet at 500 gal. per min. hr.

How tested: Failed & pumped

Length of test: 10 hrs.

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

(over)

RECEIVED
NOV 25 1959

T. 36 N. R. 35 E. 9
County: Sheridan

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: C. W. Mills Address: Outlook, Mont.
Lagerquist Drilling Co.
Driller: Gust. R. Lagerquist Address: Meathy, Mont.
Date Started: 10/29/59 Date Completed: 10/31/59
Location: Sec. 9 T. 36 R. 35 1/4 sec. Lot 4 S1/4 1/4

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

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

Casing: 0 ft. to 101 ft. Type: 2 1/2" 11# Size: 4"
Casing: _____ ft. to _____ ft. Type: _____ Size: _____
Casing: _____ ft. to _____ ft. Type: _____ Size: _____

Perforated or Screened: Ft. 94 to 101 Ft. _____ to ft. _____

Type of screen or perforations: Slot Exhaust. touch

Static Water level, for non-flowing well: 75 feet.

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

Pumping water level: 85 feet at 600 gal. per min. hr.

How tested: Failed & pumped

Length of test: 10 hrs.

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

(over)

[illegible]

5

[illegible]

DATE OF THE CONSULTATION: 1998

File No.

DUPLICATE

T. 36 N. R. 53 E.

County Meander

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

OCT 10 1963

Notice of Completion of Groundwater

Appropriation by Means of Well

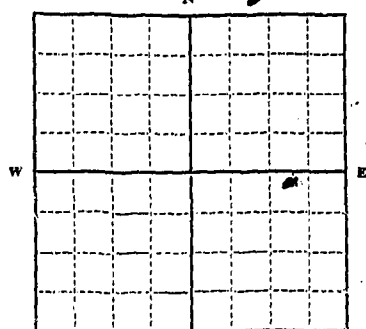
(Under Chapter 237, Montana Session Laws, 1961)

Owner Bob Scott Address Outlook MontDriller Albert Anderson Address Medicine LakeDate of Notice of Appropriation of Groundwater Sept 28-63Date well started Sept 10-63 Date Completed Sept 28-63Type of well drilled Equipment Used rotary
(dug, driven, bored or drilled) (Churn, drill, rotary or other)Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☐

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

Top of Ground
(Elev. above sea level 2378)
0
10 yellow clay
30 sandstone
35 yellow clay
84 blue clay
95 gravel (water)
99 blue sand (water)
104 coal
105 1/2 clay
118 1/2 coal (water)
121 clay
160 sand
162 1/2 clay some coal seams
171 silty sand
225 1/2 pink sand (water)
238 rock
238 clay
235 sand
235 trace rock
239 sand
247 1/2 hard sand & coal water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 1/2 to 4 1/2 in	10 lb.	0	243-8	0	0	0
2 3/4 ft						
3 1/8 to 2 47 1/2						



7E 1/4 Sec. 9 T. 36 N. R. 53 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 123 feet.Shut-in Pressure for Flowing Well 0Pumping Water Level 193 feet at 6 gal. per minute.Discharge in gal. per min. of flowing well 0How 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)

106
Driller's License Number

Albert E. Anderson
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.

6308

[illegible]

County of Sheridan.
Filed this 9 day of October
10:00 A. D. 1963
at 10:00 o'clock 7 M.
L. D. McKee
County Recorder
By Myrtle Halling
Deputy

1. *Chamaecyparis*
 2. *Juniperus*
 3. *Thuja*
 4. *Podocarpus*
 5. *Sciadopitys*

[illegible]

RECEIVED
NOV 2 1959

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 36 N R 53 E 9
County: Sheridan

WATER WELL LOG

Owner: Roald Selvig Address: Outlook, Mont.

Lagerquist Drilling Co.

Driller: Gust R. Lagerquist

Address: Westby, Mont.

Date Started: 10/23/59

Date Completed: 10/24/59

Location: Sec. 9 T. 36 R. 53 1/4 sec. Lot 4 & 5 Block 15

Type of well: Drilled

(Dug, driven, bored, or drilled)

Equipment used: Churn-Drill

(Churn drill, rotary, other)

Water use: Domestic

☒

Municipal

☐

Stock

☐

Irrigation

☐

Industrial

☐

Drainage

☐

Other:

Casing: 0 ft. to 98 ft. Type: Blk. 11/2 Size: 4"

Casing: ft. to ft. Type: Size:

Casing: ft. to ft. Type: Size:

Perforated or Screened: Ft. Perf. to ft. 83 to 98 Ft. to ft.

Type of screen or perforations: Slotted Oxy-Acet. Touch used

Static Water level, for non-flowing well: 75 feet.

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

Pumping water level: 85 feet at 6 gal. per min.

How tested: Pumped

Length of test: 9 hours

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

(over)

[illegible]

RECEIVED

OCT 1 1958

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 36 R. 52 9
County: Sheridan

WATER WELL LOG

	X		

Owner: Wood, W. L. Address: Outlook, Mont.

Driller: Robert E. Ingersoll Address: Montebello, Mont.

Date Started: 7/20/57 Date Completed: 8/1/57

Location: Sec. 2 T. 36 R. 52 1/4 sec. 34

Drill: Drill Equipment used: Churn Drill

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other: _____

Casing: 100 ft. to _____ ft. Type: Steel Size: 4"

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

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

Perforated or Screened: Ft. 70 to ft. 100 Ft. _____ to ft. _____

Type of screen or perforations: open end perforations Apert. 1/2" Casing used: _____

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

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

Pumping water level: 70 feet at 100 gal. per min. 1 hr.

How tested: Turned

Length of test: 10 min.

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

(over)

RECEIVED
OCT 1 1958

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 36 R. 53
County Sheridan

WATER WELL LOG

	X		

Owner: Fred Wirtz Address: Outlook, Mont.

Driller: Gust A. Lagerquist Address: Westby, Mont.

Date Started: 7/30/57 Date Completed: 8/1/57

Location: Sec. 2 T. 36 R. 53 1/4 sec. 0 2 1 NW 1

Drilled Churn Drill

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

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other: _____

Casing: 102 ft. to _____ ft. Type: Blk. Stand. Size: 4"

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

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

Perforated or Screened: Ft. 22 to ft. 102 Ft. _____ to ft. _____

Type of screen or perforations: 1 Row of perforations Acot. Cutting torch used

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

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

Pumping water level: 70 feet at 350 gal. per min. Hr.

How tested: Pumped

Length of test: 12 Hrs.

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

(over)

Log of Well

[illegible]