Log of Well

Depth, feet From	To	Description of Material Drilled
0	3	Sandysoil
3	17	Gravel and sand
17	31	Clay and coal stks
31	35	Fine sand
35	36	Yellow rock
36	58	Clay and coal stks
58	61	Silty clay
61	110	Clay and coal stks
110	115	Silty clay
115	188	Clay and coal
188	190	Hard rock
190	212	Brown Clay
212	216	Fine sand
216	223	Black sticky clay
223	226	Clay and thin rock shells
226	265	Clay
265	270	Sandy clay
270	288	Fine sand
288	302	Shale

RECEIVED

STATE ENGINEER

T. 18 R. 57 9

County Dawson

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner George Rice Address Intake, Mont.

Driller Dave Gilbrea Address Sidney, Mont.

Date Started 11-27-59 Date Completed 11-30-59

Location: Sec. 9 T. 18 R. 57 ¼ sec. NW

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 73 ft. Type steel Size 4½"

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: 12 feet.

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

Pumping water level 12 feet at 5 gal. per min.

How tested: Bailer

Length of test 1½ HRS

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

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	10	Sand
10	23	Gravel

30-232

11

Form No. 18
8-60

T. 18 R. 57

County DAWSON

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

	X	

Owner Jack Eaton Address ~~Glendive, Montana~~

Driller Adkison Water Well Drlg. Address Glendive, Montana

Date Started 5-9-60 Date Completed 5-11-60

Location: Sec. 11 T. 18 R. 57 ¼ sec. SE¼ - SW¼

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 30 ft. Type Hvy Size 5¼" O.D.

Casing: 30 ft. to 262 ft. Type Blk Size 2"

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 232 to ft. 262. Ft. to ft.

Type of screen or perforations ½" holes

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

Shut-in pressure, for flowing well: 2 lb./sq. in. on: 5-14-60 (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)

Steel Collar at 220'

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	25	Gravel and sand
25	42	Brown clay
42	50	Fine sand and coal
50	75	Brown clay
75	84	Gray sand and coal
84	85	Hard rock
85	114	Clay and coal stks.
114	117	Hard rock
117	135	Clay
135	165	Silty Clay W/sand stks.
165	195	Sticky shale and coal stks.
195	200	Fine sand
200	205	Br. clay and coal
205	217	Brown sand
217	224	Clay
224	226	Sand
226	229	Clay
229	230	Rock
230	236	Shale
236	252	Sand
252	262	Clay

T. 18 R. 7 11

County [illegible]

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FEB 17 1981

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY

Butte, Montana

WATER WELL LOG

Owner [illegible] Address [illegible]

Driller [illegible] Address [illegible]

Date Started [illegible] Date Completed [illegible]

Location: Sec. 11 T. 18 R. 7 ¼ sec. [illegible]

Type of well [illegible] (Dug, driven, bored, or drilled) Equipment used [illegible] (Cable drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: [illegible] ft. to [illegible] ft. Type [illegible] Size [illegible]

Casing: [illegible] ft. to [illegible] ft. Type [illegible] Size [illegible]

Casing: ft. to ft. Type Size

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

Type of screen or perforations [illegible]

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)

[illegible]

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	25	Gravel & sand
25	42	Brown Clay
42	50	Fine sand & coal
50	75	Brown Clay
75	84	Grey sand & coal
84	85	Hard rock
85	114	Clay & coal stks.
114	117	Hard rock
117	135	Clay
135	165	Silty Clay w/ sand stks.
165	195	Sticky shale & coal stks.
195	200	Fine sand
200	205	Br. Clay & coal
205	217	Brown sand
217	224	Clay
224	226	sand
226	229	Clay
229	230	rock
230	236	Shale
236	252	Sand
252	262	Clay

GW 2

MONTANA WATER RESOURCES BOARD
RECEIVED
DEC 8 1969

File No.

DUPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—46805

I

County Dawson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION 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)

Owner: K H Ranch Address: Glendive

Driller: C H Starr Address: Box 1183 - Gl.

Date of Notice of appropriation of groundwater

Date well started: 11-15-69 Date completed: 11-18-69

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 ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5" to 40'	4" 11# ft	0	40'	1/8 by 2" torch slots	660'	668'
3 7/8" from 40' to 688'	1 1/4"	0	688'			

LOG

0	Top of Ground
18	top soil - sandy clay
18	gravel - sand
28	
28	grey shale
95	
95	coal
98	
98	grey shale
152	
152	soft rock
154	
154	grey shale
169	
169	coal
173	
173	grey shale
193	
193 - 196	hd rock
196 - 275	grey shale
275 - 279	hd rock
279 - 290	grey shale
290 - 293	Coal
293 - 517	grey shale
517 - 528	Coal
528 - 568	hd. grey shale
568 - 569	rock
569 - 595	hd grey shale
595 - 615	sandstone 4 1/2 gal. flow
615 - 617	soft rock
617 - 647	sand stone
647 - 659	hd grey shale
659 - 688	sand stone water strata
688'	Show exact depth of bottom.

N
W E
S

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

Shut-in Pressure for Flowing Well 45 lbs

Pumping Water Level ..... feet

at ..... gal. per minute.

Discharge in gal. per min. of flowing well 18

How Tested

Length of Test

Remarks: (Gravel packing, cementing, packers, type of shutoff) Steel packer 10' long 3 1/2" OD set at 649' to 659 — Cemented

¼ Sec. 11 T. 18 R. 57

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

(Continue on reverse side)

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

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

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

168
Driller's License Number

C H Starr
Driller's Signature.

45943

308263

STATE OF MONTANA
County of Dawson
Filed for record this 5th day of
Dec A. D. 19 69 at
10:31 o'clock A M.
Gordon L. Russell
County Clerk & Recorder
By Patricia Johnson Deputy

12

T. 18 R. 57

County Dawson

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
FEB 17 1961
STATE ENGINEER

WATER WELL LOG

	X	

Owner Jack Eaton Address Glendive

Driller Adkison Water Well Drlg Address Glendive, Montana

Date Started 5-12-60 Date Completed 5-18-60

Location: Sec. 12 T. 18 R. 57 ¼ sec. NE ¼ of NW ¼

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 20 ft. Type Hvy Size 5½

Casing: 20 ft. to 302 ft. Type Blk Size 2"

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 280 to ft. 300 Ft. to ft.

Type of screen or perforations ½ holes

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

Shut-in pressure, for flowing well: 4 lb./sq. in. on: 5-14-60 (date)

Pumping water level feet at 5 gal. per min.

How tested:

Length of test

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

Steel Pack off Collar at 80'

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	3	Sandysoil
3	17	Gravel and sand
17	31	Clay and coal stks
31	35	Fine sand
35	36	Yellow rock
36	58	Clay and coal stks
58	61	Silty clay
61	110	Clay and coal stks
110	115	Silty clay
115	188	Clay and coal
188	190	Hard rock
190	212	Brown Clay
212	216	Fine sand
216	223	Black sticky clay
223	226	Clay and thin rock shells
226	265	Clay
265	270	Sandy clay
270	288	Fine sand
288	302	shale

GV

Approved Stock Form—State Publishing Co., Helena, Montana—41921

17

File No.....

T. 18 R. 57

County Dawson

DUPLICATE

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

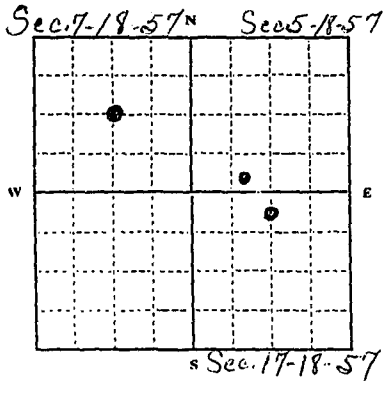
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. August Sobotka (Name of Appropriator), of Intake (Address) (Town)

County of Dawson State of Montana

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



.....¼..... Sec..... T..... R.....

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

2. The beneficial use on which the claim is based stock watering, flood irrigation, household.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been June, 1962 to date and continuing.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 70 gal per min. from 3 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 20 acres Sec. 7-18-57, Sec. 5-18-57, Sec. 17-18-57. August Sobotka

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Artesian wells — sections 5, 7, 17 in township 18, Range 57.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April, 1962 June, 1962.

8. The depth of water table 550 - 740 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 Artesian wells with 30 ft. of 4 inch casing in each well; 2 inch casing to bottom.

10. The estimated amount of groundwater withdrawn each year 36,792,000 gal. from 3 wells.

11. The log of formations encountered in the drilling of each well if available None

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 August Sobotka

Date Dec 9, 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.

8499

286171

STATE OF MONTANA
County of Dawson

Filed for record this 9th day of December A. D. 1963, at 3:30 o'clock P. M.

Gordon H. Russell
County Clerk and Recorder.

By Faye Scheitlin Deputy.

Fee pd. $2.00

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—46805

13

File No.....

T. 18 R. 57

DUPLICATE

County Dawson

MONTANA WATER RESOURCES BOARD
RECEIVED
JAN 16

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION 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)

Owner Lester Woodsworth Address Glendive Mont

Driller Stan T Boyce Address Glendive Mont

Date of Notice of appropriation of groundwater.....

Date well started Dec Date completed Jan 9 1969

Type of well drilled 22-19-68 Equipment used Rotary
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

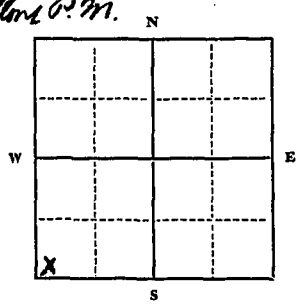
Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐ Industrial ☐ Drainage ☐ Other ☐

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

Top of Ground (Elev. above sea level .....)	
0	12 topsoil & fill
12	23 loose fill
23	35 gray clay
35	37 hard rock
37	53 gray shale
53	56 coal
56	162 gray shale
162	164 rock
164	174 gray shale
174	177 rock
177	270 gray shale
270	440 gray shale
~~440~~	~~470 sandstone 3 gal P.M.~~
~~470~~	
440	460 hard gray shale
460	470 sandstone 3 gal P.M.
470	543 firm gray shale
543	573 soft gray shale
573	593 hard gray shale
593	596 soft crumbly rock
596	617 sandstone 2½ gallons P.M.
617	635 hard gray shale
635	657 sandstone 4½ gallons P.M.
657	667 hard shale

Show exact depth of bottom. 667

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5"	4" I.D.	0	35			
3¾"	1 1/4" galv. casing	0	667	1/4"x2" torch slots	573 635	617 and 667



NW/4 SW/4 Sec. 13 T. 18 R. 57

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

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

Shut-in Pressure for Flowing Well 32

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

Discharge in gal. per min. of flowing well 8 gallons

How Tested.....

Length of Test.....

Remarks: (Gravel packing, cementing, packers, type of shutoff) a 10 foot 3½ O.D. packer set at 573 to 593 and an 8 ft 3½" O.D. packer set at 626 to 634 ft.

.....(Continue on reverse side)

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

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

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

168
Driller's License Number

C H Starr
Driller's Signature.

44,920

305014

STATE OF MONTANA
County of Dawson
Filed for record this 14th day of
January A.D. 19 69 at
4:30 o'clock P. M.
Gordon H. Russell
County Clerk & Recorder
By Patricia Peterson Deputy

GW2

18

File No.....

T. 18-N R. 57-E

DUPLICATE

County DAWSON

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 19 1962
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.....)

0-14 clay clay
14-27 - Gravel
27-34 [illegible]
[illegible] 104 Clay
104-105 rock
105-113 fine sand & st. Coal @ 113
113-173 Clay
173-175 - Med. hard rock
175-195 fine silty clay
195-200 Med hard rock & st. coal
200-202 Clay
202-204 Med. hard
204-228 Clay
228-230 Coal
230-305 Clay w/coal stks
305-320 Clay
320-323 Hard rock
323-444 - Clay
444-478 - fine sand
478-499 Clay
499-500 Hard Cling rock
500-508 fine sand
508-524 Firm fine sandstone
524-528 Sandy clay
528-580 Green sticky shale
580-592 fine gray sand
592-593 rock
593-608 sand - Small flow @ 600
608-640 Clay
640-663 Sandy clay
663-686 Sand
686-689 Hard cling rock
689-713 Sandy clay
713-715 - Med hard to hard rock
715-733 - fine sand
733-753 Coarse dark sand
753-773 - Med. Hard rock

Coal @ 688
Impulse not clear up

Owner [illegible] Address Intake Mont.

Driller Allison Water [illegible] Address Glendive

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

Date well started 9-15-62 Date Completed 9-24-62

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 ☐

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)
	4½ - 11	0	118			
6⅛	2⅞	118	750	1½" holes	710	750
4¾"						

Static Water Level for non-flowing Well.....feet.

Shut-in Pressure for Flowing Well 24#

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

Discharge in gal. per min. of flowing well 50

How Tested..... Length of Test.....

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

Collar packoff @ 118'.
Cemented from 118' up.

N
W E
S

.....¼..... Sec. 18 T. 18 R. 57E

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

Show exact depth of bottom.

61
Driller's License Number

Elton Allison
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.

2533.

281284

STATE OF MONTANA
County of Dawson

Filed for record this 16th day of
Nov A. D. 19 62, at
3:15 o'clock P. M.

Gordon W. Russell
County Clerk and Recorder.

By Alice Austby Deputy.

Fee pd. $2.00

GW 2

MONTANA WATER RESOURCES BOARD
RECEIVED
DEC 8 1969

Approved Stock Form—State Publishing Co., Helena, Montana—46805

File No. .....

DUPLICATE

II

T. 18 R. 57

County Dawson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION 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)

Owner K+W Ranch Address Glendive

Driller C H Starr Address Box 1183-Hl

Date of Notice of appropriation of groundwater .....

Date well started 11-19-69 Date completed 11-26-69

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 ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5" to 34'	4" 11# ft	0	34	1/8" by 2" torch plate	650	675
3 7/8" from 34' to 675	1 1/4"	0	675			

LOG

Top of Ground (Elev. above sea level .....)

0 - 13 top soil sandy yellow clay
13 - 22 scoria gravel + rock
22 - 28 sandy grey clay
28 - 42 grey shale
42 - 43 rock
43 - 120 grey shale
120 - 131 sandstone
131 - 134 hd rock
134 - 229 grey shale
229 - 243 coal
243 - 272 hd grey shale
272 - 275 hd rock
275 - 284 grey shale
284 - 285 rock
285 - 371 grey shale
371 - 375 coal
375 - 378 rock
378 - 387 grey shale
387 - 390 rock
390 - 401 hd grey shale
401 - 406 coal
406 - 415 sandstone
415 - 418 coal
418 - 475 hd grey shale
475 - 478 rock
478 - 545 hd grey shale
545 - 547 rock
547 - 559 grey shale
559 - 560 rock
560 - 646 firm grey shale
646 - 650 hd shale
650 - 675 sandstone water strata

675 Show exact depth of bottom.

N
W E
S

.....¼ Sec. 24 T. 18 R. 57

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

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

Shut-in Pressure for Flowing Well 46 #

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

Discharge in gal. per min. of flowing well 15

How Tested .....

Length of Test .....

Remarks: (Gravel packing, cementing, packers, type of shutoff) Steel packer 10' long 3½" OD set at 640 to 650 - Cemented

.....(Continue on reverse side)

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

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

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

168
Driller's License Number

C H Starr
Driller's Signature.

45944

308264

STATE OF MONTANA
County of Dawson
Filed for record this 5th day of
Dec A. D. 19 69 at
10:31 o'clock a M.
Gordon H. Russell
County Clerk & Recorder
By Patricia Stevens Deputy

GW

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

29

File No.....

T. 18 R. 57

DUPLICATE

County Dawson

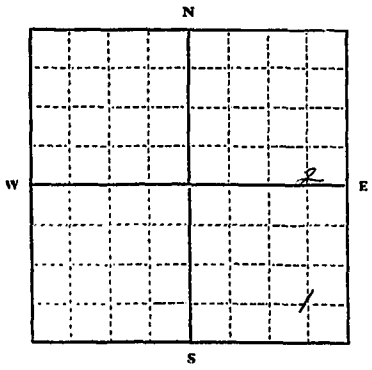
RECEIVED
JAN 14 1964
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Carl C. Temple, et al, of B.P. Route, Glendive,
(Name of Appropriator) (Address) (Town)
County of Dawson State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



¼ Sec. 29 T. 18 R. 57

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

2. The beneficial use on which the claim is based Domestic use & stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1945

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 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 Well #1 SE¼ SE¼ cylinder pump & motor.
Well #2 SE¼ NE¼ - flowing well.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater started in 1945, completed 1946

8. The depth of water table 250 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
Both wells drilled. Well #1 - 500' deep, 6" casing
Well #2 - 250' deep, 6" casing

10. The estimated amount of groundwater withdrawn each year 3,500,000 gal.

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

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

Signature of Owner Carl C Temple et al

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.

31816

286699

STATE OF MONTANA
County of Dawson

Filed for record this 30th day of December A. D. 1963, at 3:00 o'clock P M.

Gordon W Russell
County Clerk and Recorder.

By _____ Deputy.

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234 29

File No.....

T. 18 R. 57

DUPLICATE

County Dawson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 14 1964
STATE ENGINEER

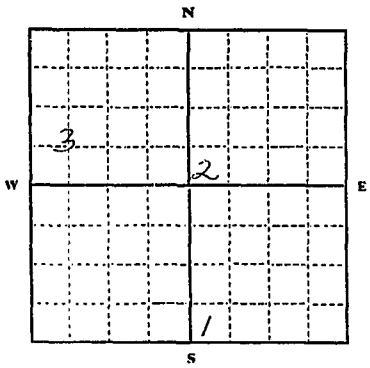
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Carl C. Temple et al, of B.P. Route, Glendive
(Name of Appropriator) (Address) (Town)

County of Dawson State of Montana

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



¼ Sec. 29 T. 18 R. 57

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

2. The beneficial use on which the claim is based: Household use + stock water

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

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: 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: Cylinder pump and motor

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1910

8. The depth of water table: 40 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Well #1 hand dug - 30 ft deep, 2 ft diameter. Well #2 - drilled 4" diameter, 48' deep. Well #3 hand dug - 100 ft deep 3' diameter

10. The estimated amount of groundwater withdrawn each year: 250,000 gal.

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

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

Signature of Owner: Carl C Temple et al

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.

31815

286698

STATE OF MONTANA
County of Dawson

Filed for record this 30th day of December A. D. 19 63, at 3:00 o'clock M.

Gordon W. Russell
County Clerk and Recorder.

By _____ Deputy.

G\

Approved Stock Form—State Publishing Co., Helena, Montana—42234 33

File No.....

T. 18 R. 57

DUPLICATE

County Dawson & Wibaux

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 14 1964 STATE ENGINEER

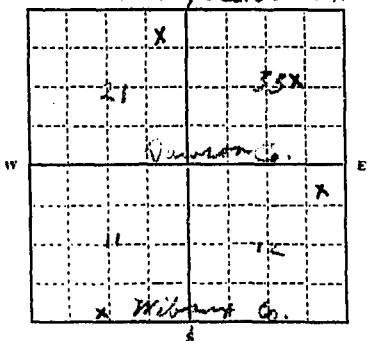
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Hot Bar Land & Cattle Co., of Box 123 Glendive
(Name of Appropriator) (Address) (Town)

County of Dawson & Wibaux State of Mont.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

Sec. 21, T18, R57 N / Sec. 33, T18, R57



Sec. 11, T18, R57 / Sec. 12, T18, R57

.....¼..... Sec..... T..... R.....

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 use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been from 1932 Till present

4. The amount of groundwater claimed (in miner's inches or gallons per minute) from 1 gal. to 7 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 Livestock use only

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 21 well [illegible] 1960 12 well drilled 1960

8. The depth of water table Water 400 ft. deep all flowing

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 Sec. 21 well 400 ft. deep 4 in. casing reduced to 1¼ in. pipe flows 7 gal. per min. Sec. 11 400 ft. deep 4 in. casing reduced to 2 in. pipe flows 1 gal. per min. Sec. 12 [illegible] 400 ft. deep 4 in. casing reduced to 2 in. pipe flows 2 gal. per min. Sec. 33 spring piped with 1¼ pipe to trough flows 7 gal. per min.

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

11. The log of formations encountered in the drilling of each well if available [illegible] well [illegible] spring [illegible]

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 Hot Bar Land & Cattle Co.
by J. W. Eaton

Date Dec. 27, 1963

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

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

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

31775

286652

STATE OF MONTANA
County of Dawson

Filed for record this 30th day of
December A. D. 1963, at
11:00 o'clock A. M.

Gordon H. Russell
County Clerk and Recorder.

By Faye Schettler Deputy.

Fee pd. $2.00

GROUNDWATER INDEX

County Dawson Twp. 17N Rge. 50 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
2	Skillstad, A. E.	57 Well Log	—	
3	Skillstad, A. E.	HW 2	290882	
4	Wolff, Addis	HW 3	286603	
~~8~~	~~Yonkee, Clarence E.~~	~~HW 3~~	~~286346~~	T17N R51E
~~8~~	~~Yonkee, Clarence E.~~	~~HW 4~~	~~286347~~	T17N R51E
9	Olson, Delbert	HW 3	286667	
14	Wolff, Addis	HW 3	286605	
24	Skillstad, A. E.	57 Well Log	—	
24	Skillstad, A. E.	57 Well Log	—	
24	Skillstad, A. E.	HW 2	286669	
26	Edwards, Lyle	57 Well Log	—	
25 26	Edwards, Lyle A.	HW 4	282007	
27	Venn, Lloyd	HW 3	286889	
28	Skillstad, M. O.	57 Well Log	—	
28	Venn, Lloyd	HW 4	286890	
30	Olson, Delbert	HW 3	286666	
32	Olson, Delbert	HW 4	286665	
32	Wolff, Addis	HW 3	286603	See Sec 4 Above
33	Eaton, Frank C.	57 Well Log	—	
33	Eaton, Frank C.	57 Well Log	—	
33	Eaton, Frank C.	57 Well Log	—	
34	Davidson, Clyde W.	HW 4	286557	
34	Wolff, Addis	HW 3	286[illegible]3	
36	Hilson, Don	HW 4	285443	

2

Form No. 18
8-60

T. 17 R. 50

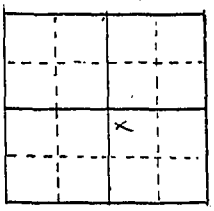
County Daniels

RECEIVED
JAN 4 1962
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

DEC 29 1961
5:00 p.m.

WATER WELL LOG



Owner A. E. Skillestad Address Lindsay, Mont.

Driller Dan Haggerty Address Lindsay, Mont.

Date Started _____ Date Completed July 196

Location: Sec. 2 T. 17 R. 50 ¼ sec. S.E.

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

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

Casing: 0 ft. to 192 ft. Type steel Size 4"

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

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

Perforated ~~or Screened~~: Ft. 152 to ft. 192. Ft. _____ to ft. _____

Type of screen or perforations slots

Static Water level, for non-flowing well: 112 feet.

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

Pumping water level 60 to 80 feet at 6 gal. per min.

How tested: pump

Length of test 24 hours

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

Casing gravel packed outside

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	100	Clay
100	150	Clay and sand rock
150	192	Water sand

GW 2

File No.....

DUPLICATE

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

T. 17 N. R. 50 E.

County Dawson

RECEIVED DEC 31 1964 STATE ENGINEER

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 A. E. Killested Address Lindsay, Montana

Driller Daniel G. Haggerty Address Lindsay, Montana

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

Date well started 11/10/64 Date Completed 12/22/64

Type of well drilled (dug, driven, bored or drilled) Equipment Used cable tool drill (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.

0 Top of Ground

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

yellow sand

20

blue clay

28

gray sand

36

blue clay

42

gray sand(seep)

46

blue clay

99

blue and white clay alternately mixed

268

gray sand-water bearing

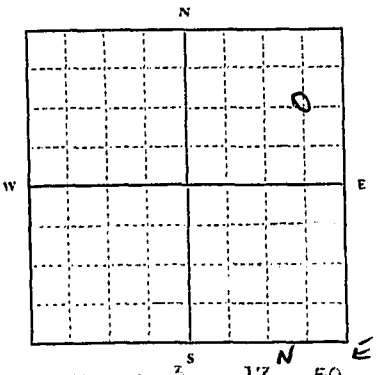
275

blue shale

277

bottom

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	5" 15#	0	228	1/8" slots	267	277
	4" 11#	224	277			



.....¼..... Sec. 3 T. 17 R. 50

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 not applicable

Pumping Water Level 262 feet at 5 gal. per minute.

Discharge in gal. per min. of flowing well not applicable

How Tested bailed Length of Test 4 hrs.

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

5" casing drove to shut off surface water. 4" dropped to case remainder of hole.

13

Driller's License Number

Daniel G. Haggerty

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.

38802

290882

STATE OF MONTANA
County of Dawson

Filed for record this 30th day of
Dec. A. D. 1964 at
1:45 o'clock P. M.

Gordon W. Russell
County Clerk and Recorder.

By _____ Deputy.

Fee Pd. $2.00

Approved Stock Form—State Publishing Co., Helena, Montana—41337

4

File No. .....

17- T. ~~[illegible]~~ R. 50

DUPLICATE

County Dawson

RECEIVED
JAN 14 1964
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

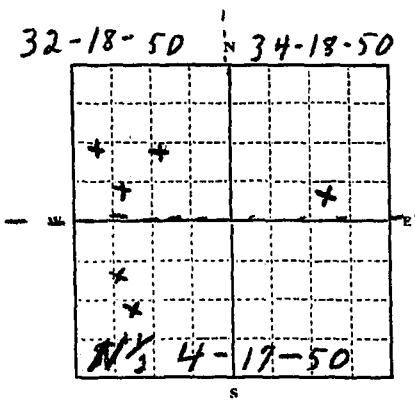
Date of Appropriation of Groundwater 1948

Owner Addis WOLFF Address Lindsay

Contractor (if any) None

Address of Contractor —

Date Started 1949 Date Completed 1949



.....¼..... Sec. 4 T. 17 R. 50

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

32-18-50
34-18-50

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. All are surface springs used for livestock watering. Water runs out on top of ground.

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. Run about 1 gallon per minute, from pipe running from water source. Constant use.

Signature of Owner Addis Wolff

Date Dec 27, 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

31741

286603

STATE OF MONTANA
County of Dawson

Filed for record this 27th day of December A. D. 1963, at 4:00 o'clock P.M.

Gordon W. Russell
County Clerk and Recorder,

By _____ Deputy.

GW 3

Approved Block Form—State Publishing Co., Helena, Montana—42199 3

9

File No.....

T. 17 R. 50

DUPLICATE

County Dawson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 14 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 7-1944 ~~Dec 30-63~~

Owner Delbert Olson Address Lindsay Mont

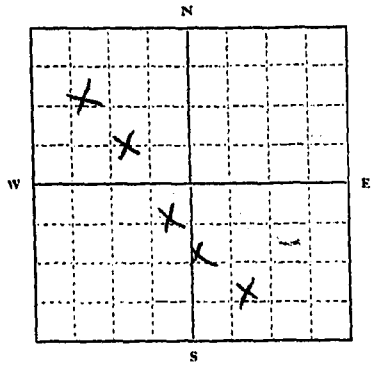
Contractor (if any) .....

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.....

Natural springs



.....¼..... Sec 4 ..... T 17 ..... R 50

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.....

7 mo. use

Signature of Owner Delbert Olson

Date Dec 30-63

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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

31790

286667

STATE OF MONTANA
County of Dawson;

Filed for record this 30th day of December A. D. 1963, at 3:00 o'clock P. M.

Gordon W Russell
County Clerk and Recorder.

By _____ Deputy.

Fee pd. $2.00

3

Approved Stock Form—State Publishing Co., Helena, Montana—41337

14

File No.....

T 17 R 50 E

DUPLICATE

County Dawson

RECEIVED
JAN 14 1964
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Feb 24, 1962

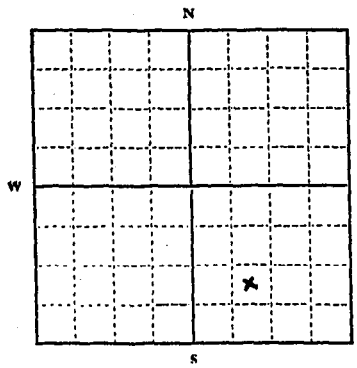
Owner Addis Wolff Address Lindsay, Mont.

Contractor (if any) None

Address of Contractor —

Date Started Mar 10 1962 Date Completed Mar 12, 1962

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable Natural spring. Barrel submerged in ground keeps spring open. Water runs out of ground surface.



SW¼ SE ¼ Sec 14 T 17 R 50

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: Three gallons per minute. Measured with gallon container. Flow is constant. Used for watering livestock

Signature of Owner Addis Wolff

Date Dec 27, 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.

31743

286605

STATE OF MONTANA
County of Dawson

Filed for record this 27th day of December A. D. 1963, at 4:00 o'clock P M.

Gordon W Russell
County Clerk and Recorder.

By _____ Deputy.

24

Form No. 18
8-60

T. 17 R. 50

County Dawson

RECEIVED
JAN 4 1962
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

DEC 29 1961

5:00 p.m.

WATER WELL LOG

Owner O. E. Gillestad Address Lindsay, Mont.

Driller Dan Haggerty Address Lindsay, Mont.

Date Started _____ Date Completed Oct 1951

Location: Sec. 24 T. 17 R. 50 ¼ sec. SW

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

Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other _____

Casing: 0 ft. to 98 ft. Type steel Size 4"

Casing: 58 ft. to 98 ft. Type steel Size 6"

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

Perforated ~~or Screened~~: Ft. 80 to ft. 98. Ft. _____ to ft. _____

Type of screen or perforations slots

Static Water level, for non-flowing well: 36 feet.

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

Pumping water level 60 feet at 7 1/2 gal. per min.

How tested: pump

Length of test 6 hours

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

Last 40 feet is double cased
Both 4" and 6" casings are perforated
Casing gravel packed outside from 78 to 98 feet

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	50	Clay
50	98	Blue Clay & water sand

24

Form No. 18
8-60

T. 17 R. 50

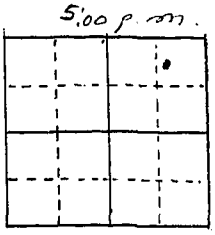
County Dawson

RECEIVED
JAN 4 1962
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

DEC 28 1961
5:00 p.m.

WATER WELL LOG



Owner A. C. S. Sellestad Address Lindsay, Mont

Driller Don Haggerty Address Lindsay, Mont

Date Started _____ Date Completed March, 1961

Location: Sec. 24 T. 17 R. 50 ¼ sec. N. E.

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

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

Casing: 0 ft. to 77 ft. Type steel Size 4"

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

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

Perforated ~~or Screened~~: Ft. 57 to ft. 77. Ft. _____ to ft. _____

Type of screen or perforations slots

Static Water level, for non-flowing well: 40 feet.

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

Pumping water level 30 feet at 7 gal. per min.

How tested: Pump

Length of test 24 hrs

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

Casing gravel packed outside

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	10	gravel
10	50	clay
50	77	water sand

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—40472

File No.....

T...17.....R...50.....

DUPLICATE

County....Dawson.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 14 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

0 top soil
3 Top of Ground
(Elev. above sea level.....)

clay and sand
40
43 -water bearing sand

blue shale
70 ----water level
sand--water bearing
76

blue shale
87

sand- waterbearing
96
bottom

Owner...A.E. Skillestad.....Address...Lindsay, Montana.....

Driller...Daniel G. Haggerty.....Address...Lindsay, Montana.....

Date of Notice of Appropriation of Groundwater...Dec. 30, 1963.....

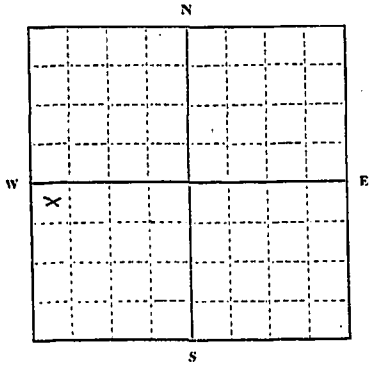
Date well started...Dec. 4, 1963.....Date Completed...Dec. 9, 1963.....

Type of well...drilled..... (dug, driven, bored or drilled) Equipment Used...cable tool drill (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)
6"	6" 19#	0	63			
	5" 17#	63	96	1/8" slots	76	96



SW.1/4..... Sec.24... T...17 R.50..
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.....70.....feet.

Shut-in Pressure for Flowing Well.....not applicable.....

Pumping Water Level.....75.....feet at.....10.....gal. per minute.

Discharge in gal. per min. of flowing well....not applicable.....

How Tested....bailed&pumped.....Length of Test....12 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).....

.....none.....

A.E. Skillestad

.....13.....
Driller's License Number

Daniel G. Haggerty
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.

31792

286669

STATE OF MONTANA
County of Dawson

Filed for record this 30th day of December A. D. 1963, at 3:00 o'clock P. M.

Gordon W. Russell
County Clerk and Recorder.

By _____ Deputy.

Fee pd. $2.00

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

File No. Lic 25426 T. 17 R. 50

DUPLICATE

County Dawson

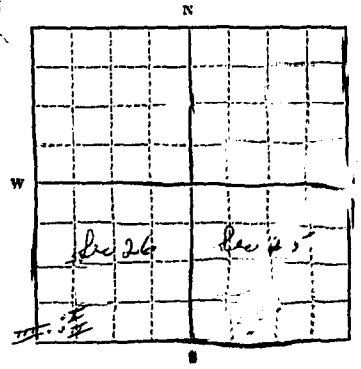
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 21 19 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Lyle A. Edwards (Name of Appropriator), of Lindsay (Address) (Town)
County of Dawson State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW1/4 Sec. 26 T. 17 R. 50

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

2. The beneficial use on which the claim is based Domestic, livestock, and irrigation garden and lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been I 1910 continuous, II 1920 continuous, and III 1961 continuous
IV 1951 stock water

4. The amount of groundwater claimed (in miner's inches or gallons per minute) I 5 gal per min, II 6 gal per min, III 4 gal per min, IV 5 gal per min

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. I lift pump, II, I III pressure systems
IV lift pump

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

8. The depth of water table approximately twelve feet depending on rainfall

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other work for the withdrawal of groundwater. I dug well 2 ft hole about 24 ft, II dug well hole about 15 ft, and III drilled well 4 inch casing and 57 ft deep, IV drilled well 4 inch casing 48 ft deep

10. The estimated amount of groundwater withdrawn each year I, II, III about 800,000 gal

11. The log of formations encountered in the drilling of each well if available. I, II, III, clay and sand IV gravel 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 Lyle A. Edwards

Date Jan 17, 1963

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

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

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

3379

282007

STATE OF MONTANA
County of Dawson

Filed for record this 17th day of
Jan. A. D. 1963, at
10:30 o'clock A. M.

Gordon W. Russell
County Clerk and Recorder.

By Alice Anthy Deputy.

Fee pd. $2.00

26

Form No. 18
8-60

T. 17 R. 50

County Dawson

RECEIVED
JAN 4 1962
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

DEC 29 1961
10:30 A.M.

WATER WELL LOG

Owner Lyle Edwards Address Lindsay Montana

Driller Harold Gavin Address Lindsay Montana

Date Started Aug.22 1961 Date Completed Aug.25 1961

Location: Sec. 26 T. 17 R. 50 ¼ sec. S.W.

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

Water use: Domestic [x] Municipal [ ] Stock [ ] Irrigation [ ]
Industrial [ ] Drainage [ ] Other

Casing: 0 ft. to 57 ft. Type steel Size 4 inch

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 40 to ft. 57 . Ft. to ft.

Type of screen or perforations slots cut in casing

Static Water level, for non-flowing well: ~~17~~ 23 feet.

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

Pumping water level 40 feet at 7½ gal. per min.

How tested: slush bucket

Length of test one hour

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

(over)

Log of Well

Depth, feet From	To	Description of Material Drilled
0	8	topsoil and clay
8	22	gravel
22	43	clay
43	57	sand

GW 3

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

File No. .....

T. 17 R. 50

DUPLICATE

County Dawson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 14 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1934

Owner Lloyd Venn Address Lindsay, Montana

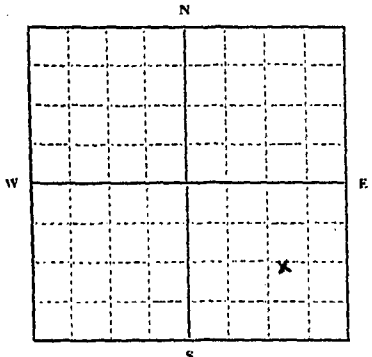
Contractor (if any) None

Address of Contractor None

Date Started — Date Completed —

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

Natural Spring



S2 ¼ Sec. 27 T. 17 R. 50

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

Stock Water
7 months of use
April through October

Signature of Owner Lloyd Venn

Date DEC 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.

31995

286889

STATE OF MONTANA
County of Dawson

Filed for record this 31st day of
December A. D. 19 69, at
3:30 o'clock P. M.

Gordon H. Russell
County Clerk and Recorder.

By Faye Scheitlin Deputy.

Form No. 18
8-60

28

T. 17 N R. 50 E

County

DEC 29 1961

2:00 P.M.

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 4 1962
STATE ENGINEER

WATER WELL LOG

Owner M.O. Skillestad Address Glendive, Montana

Driller Unknown Address

Date Started Approx. 1922 Date Completed 1922

Location: Sec. 28 T. 17 R. 50 ¼ sec. NE

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

Water use: Domestic [X] Municipal [ ] Stock [X] Irrigation [ ]
Industrial [ ] Drainage [ ] Other

Casing: 1 ft. to 40 ft. Type Wood Size 24"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 28 to ft. 40. Ft. to ft.

Type of screen or perforations Holes drilled

Static Water level, for non-flowing well: 28 feet.

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

Pumping water level 28 feet at 5 gal. per min.

How tested: Hand Pump

Length of test 30 minutes

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

Gravel packing

(over)

GW

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

File No.....

T. 17 R. 50

DUPLICATE

County Dawson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 14 1964
STATE ENGINEER

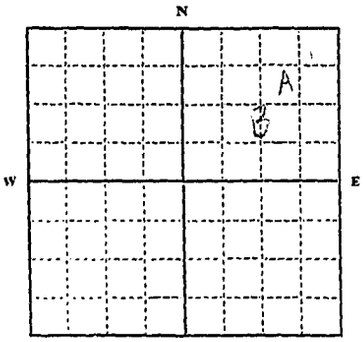
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Floyd Venn, of Lindsay Mont
(Name of Appropriator) (Address) (Town)

County of Dawson State of Montana

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



.....¼..... Sec. 28-17-50 ~~T. 17 R. 50~~

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 A- Household use B- Livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 25 yrs

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 gpm per minute for both A & B

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater A. 25 years B. 4 years

8. The depth of water table 50 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 A - 40 ft 6 in. casing B - 50 ft 6 in casing

10. The estimated amount of groundwater withdrawn each year A - 7300 Gal B - 300,000 Gal.

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

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

Signature of Owner Floyd Venn

Date DEC 31 1963

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

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

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

31996

286890

STATE OF MONTANA
County of Dawson

Filed for record this 31st day of December A. D. 1963, at 3:30 o'clock P. M.

Gordon H. Russell
County Clerk and Recorder.

By Faye Scheitlin Deputy.

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana—42199

File No.....

T. 17 R. 50

DUPLICATE

County Dawson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 14 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 7-1947 ~~Dec 30-63~~

Owner Delbert Olson Address Lambert

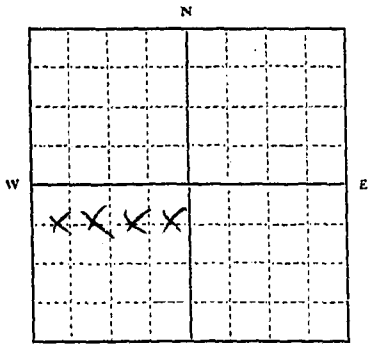
Contractor (if any) .....

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.....

Natural springs



.....¼..... Sec. 5 C. T. 17 R. 50

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. 7 mo. use

Flow & lines do not freeze over

Signature of Owner Delbert Olson

Date 12-30-63

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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

31789

286666

STATE OF MONTANA
County of Dawson

Filed for record this 30th day of December A. D. 1963, at 3:00 o'clock P. M.

Gordon W. Russell
County Clerk and Recorder.

By _____ Deputy.

Fee pd. $2.00

GW

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

File No.

T. 17 R. 50

DUPLICATE

County Dawson

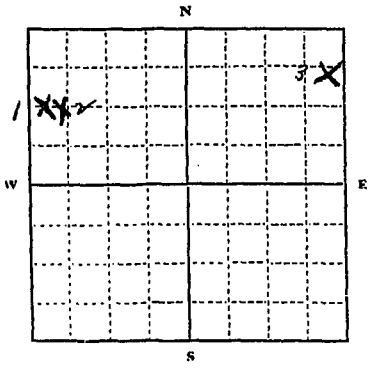
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 14 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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



¼ Sec. 34 T. 17 R. 50

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 & stock 2 stock 3 stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1 - 1919 - 2 1949 - 3 - 1917

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 - 5 gal 2 - 10 - 3 - 15

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
~~1 - pump jack 2 - Cont. jack~~
~~3 - pump jack Electric~~

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
~~1 - jet jack 2 - pump jack~~
~~3 - pump jack Electric~~

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

8. The depth of water table 1 - 150 ft 2 - 110 ft 3 - 90 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 - 4" Casing 2 - 6" Casing
3 - 6" Casing

10. The estimated amount of groundwater withdrawn each year 160,000 gal

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

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

Signature of Owner Delbert Olson

Date Dec 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.

31788

286665

STATE OF MONTANA,
County of Dawson:

Filed for record this 30th day of
December A. D. 1963, at
3:00 o'clock P. M.

Gordon W. Russell
County Clerk and Recorder.

By_____ Deputy.

Fee pd. $2.00

T. 17 R. 50 33

County Dawson

RECEIVED
MAY 15 1959
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Frank C Eaton Address Lindsay, Montana

Driller Robert Freistnes Address Glendive, Montana

Date Started February 1956 Date Completed February 1956

Location: Sec. 33 T. 17 R. 50 ¼ sec. SW

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☒

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 8 ft. Type culvert galvanized Size 22"

Casing: 6 ft. to 33 ft. Type inst galvanized Size 18

Casing: ft. to ft. Type Size

Perforated ~~or Screened~~: Ft. 6 to ft. 33 Ft. to ft.

Type of ~~screen~~ or perforations punched with rabbit

Static Water level, for non-flowing well: 4

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

Pumping water level 12 feet at 120 gal. per min.

How tested: Bailer on rig

Length of test 30 minutes

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

Gravel packing — no shut off

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	4	top soil
4	33	gravel - mixed small to large - old stream bed
30	—	Clay - Blue

RECEIVED

STATE ENGINEER

T. 17 R. 50 33

County Dawson

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

	x		

Owner Frank C. Eaton Address Lindsay, Montana

Driller Robert Fristner Address Glendive, Montana

Date Started February 1956 Date Completed Feb 1956

Location: Sec. 33 T. 17 R. 50 ¼ sec. SW

Type of well Bored (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 8 ft. Type Culvert galvanized Size 22"

Casing: 6 ft. to 33 ft. Type Culvert galvanized Size 18

Casing: ft. to ft. Type Size

Perforated ~~or Screened~~: Ft. 6 to ft. 33 Ft. to ft.

Type of ~~screen or~~ perforations punched with Estabrook

Static Water level, for non-flowing well: 4 feet.

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

Pumping water level 18 feet at 120 gal. per min.

How tested: Bailer on rig

Length of test 30 min

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

Gravel packing - no shut off

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	4	top soil
4	33	gravel - mixed small to large - old stream bed
33	—	Clay - Blue

T. 17 R. 50 33

County Dawson

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

	X		

Owner Frank C. Eaton Address Lindsay, Mont

Driller Robert Fristner Address Glendive, Mont

Date Started February 1956 Date Completed February 1956

Location: Sec. 33 T. 17 R. 50 ¼ sec. SW

Type of well Bored (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 7 ft. Type Culvert galvanized Size 22"

Casing: 6 ft. to 33 ft. Type Culvert galvanized Size 18

Casing: ft. to ft. Type Size

Perforated ~~or Screened~~: Ft. 6 to ft. 33 to ft.

Type of ~~screen or~~ perforations punched with bullet

Static Water level, for non-flowing well: 4 feet.

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

Pumping water level 18 feet at 120 gal. per min.

How tested: Bailer on rig

Length of test 30 min.

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

Gravel packing - no shut off

(over)