GROUNDWATER INDEX

Page ____ of ____

County PRAIRIE Twp. 14N Rge. 48E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	BAN, ED	GW-2	91168	
5	NORRIS, POLLY	GW-2	91911	
12	BUREAU OF LAND MANAGEMENT	GW-2	94303	
17	KELTNER, LAWRENCE	GW-2	88558	
18	NORRIS, POLLY	GW-2	93328	
19	MCLEOD, ISABEL	GW-4	82908	
20	COLE, HAROLD	GW-4	85621	
29	HUBING, LEE	GW-2	89834	
32	COLE, HAROLD	GW-4	85622	
33	REUKAUF, WALTER	WATER WELL LOG	82787	

GW 2

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

File No.

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
MAY 13 1969

T. 14 R. 48

County Prairie

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)

Top of Ground

(Elev. above sea level)

3	top soil
13	yellow clay
4	quick sand
5	gumbo
5	coal
10	water sand
48	gumbo
8	water sand & gumbo
26	gumbo
8	coal
4	gumbo & sand
26	water sand 16/gpm/
16	coal 10 gpm
164	Show exact depth of bottom.

Owner Ed Ban Address Brockway, Mont.

Driller Ira C. Bond & Sons Address Terry, Montana

Date of Notice of appropriation of groundwater

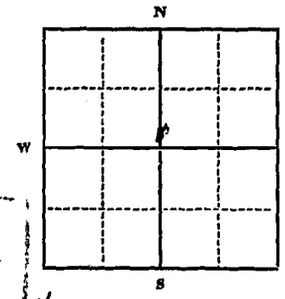
Date well started 4/30/69 Date completed 5/2/69

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8"	7 Od	0	27	none		
5 5/8	4½ od	24	164	3/16	132	158



Center of ¼ Sec. 1 T. 14 R. 48

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

Static Water Level for non-flowing well 32 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 144 feet at 3 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested bailed

Length of Test 4 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff) used 7 od to seal off quick sand

(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.

37
Driller's License Number

Ira C. Bond
Driller's Signature.

45,200

91168

FILED
at 3:50 o'clock P.M.
MAY 9 1989
Johnson D. Stradley
County Clerk
By [illegible]
Deputy
Fee [illegible]

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4855. [illegible]

File No.....

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
FEB 6 1970

T. 14 R. 48 5

County Prairie

LOG

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 Polly Norris Address Terry, Montana

Driller Ira C. Bond & Sons Address Terry, Montana

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

Date well started 7/9/68 Date completed 7/30/68

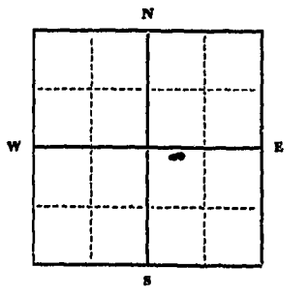
Type of well drilled (Dug, driven, bored or drilled) Equipment used cable tool (Churn drill, rotary or other)

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5 5/8	4½ od	0	196	3/16	176	194

Top of Ground	
(Elev. above sea level.....)	
1	top soil
41	sandstone
34	gumbo
12	sandstone
8 c	gumbo
12	sandstone
12	gumbo
10	brown clay
6	gumbo
12	sandstone
14	gumbo & water sand
10	sandstone
4	gumbo
20	water sand 12 gpm
196	Show exact depth of bottom.



Static Water Level for non-flowing well 160 feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level 180 feet at 2 gal. per minute.

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

How Tested bailed

Length of Test 6 hrs

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

nw/4 se/4 Sec. 5 T. 14 R. 48

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).

Doc. No. 91911
Filed for record this 5 day of February A. D. 19 70, at 1:35 o'clock P M.

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.

37
Driller's License Number

Robert Bond
Driller's Signature.

46141

Water Well Log

Polly Morris

to

The Public

91911

FILED

at 1:35 o'clock P.M.

HB 5 1970

John D. Hurley

County Clerk

Helen M. Bailey

Deputy

GW 2 Revised 1969
STATE PUBLISHING COMPANY

94303
RECEIVED
DEC 14 1972
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Prairie 12

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Agate Well
Bureau of Land Management
Address Miles City, Montana

For Administrator's Use
File 94303
Dec. 12, 1972 9:35 a.m.
GW 1

Date well started 10/4/72
completed 10/7/72

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

Equipment used Air Rotary (Churn drill, rotary or other)

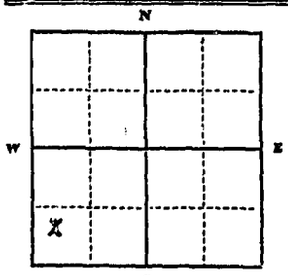
Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 Kind Size	From (Feet)	To (Feet)
8"	6" ID 18.97#	+1	256	slots 1/8 x 6"	120	140
					236	256



SW ¼ SW ¼ Sec. 12
T. 14N N/S R. 48E E/W

Static water level 112 ft.*
Pumping water level 250 ft.*
at 6 gallons per minute,
measured 120 minutes after pumping began.
*Measured from ground level.
Well developed by Air
for 8 hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) Well never did clear up. Is gravel packed.

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

Driller's Signature Joe L. Johnson

Driller's Address Joe Johnson Drilling, Terry, Montana

LICENSE NO. 154

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	10	Topsoil & Gray Sand
10	20	Gray Sand
20	45	Yellow Clay
45	85	Gray Clay; Stringer of Coal at 65'
85	115	Gray clay with thin stringer of sand at 95'
115	120	Very hard gray Rock
120	125	Gray Clay
125	165	Gray Sandstone
165	265	Gray clay with stringers of Coal
265	252	Gray Sand
252	256	Clay

256 Show exact depth of bottom

52,017

94303

Water Well Log

Bureau of Land Management

to

The Public

FILED

at 9:45 o'clock A.M.

FEB 12 1972

John D. Mitchel

Helen M. Sackett

County Clerk

Deputy

GW 1

File No. ..... STATE WATER CONSERVATION BOARD T. 14 R. 48 17

DUPLICATE DEC 9 1966 County Prairie

Bill ... McDermott ... STATE OF MONTANA
B. ... ADMINISTRATOR OF GROUNDWATER CODE
C. ... OFFICE OF STATE ENGINEER
D. ... Dickert

Top of Ground

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

1 black sandy loam
15 sandy clay and gravel
10 gumbo
1 water sand 1gal min
22 gumbo
7 hard coal
20 gumbo
18 water sand--dry
10 gumbo
8 hard coal water 10 gal min.
4 gumbo

116'
Show exact depth of bottom.

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Lawerence Keltner Address Terry, Montana

Driller Ira C. Bond Address Terry, Montana

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

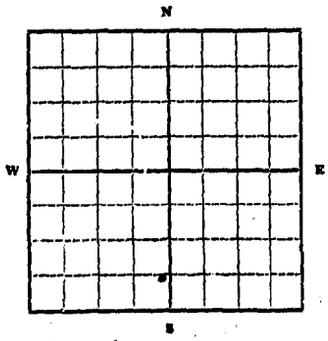
Date well started 10/10/66 Date Completed 10/13/66

Type of well drilled (dug, driven, bored or drilled) Equipment Used cable (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)
7 "	6 5/8 " OD	surface	22'			
5 5/8	4½ " OD	20	116	slotted holes	92	112



SE¼ SW¼ Sec. 17 T. 14 R. 48

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

Static Water Level for non-flowing Well 26 ' feet.

Shut-in Pressure for Flowing Well .....

Pumping Water Level 100 feet at 3 gal. per minute.

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

How Tested Bailer & pump Length of Test 2 hours

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

57
Driller's License Number

Ira C. Bond
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.

41,412 ~~41,410~~

88558

FILED
at 2:05 o'clock P.M.
DEC - 7 1966
E. Allen Johnston
County Clerk
J. Fickenscher
Deputy
Fee 5.00 pd.

GW 2 Revised 1969
STATE PUBLISHING COMPANY

MONTANA WATER RESOURCES BOARD
RECEIVED
NOV 26 1971

County Prairie 18

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Polly Norris

Address Terry, Montana

Date well started 09/ 03/70

completed 09/ 14/70

For Administrator's Use
File 93328
11-24-71 9:45 A.M
GW 1

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

Equipment used cable tool (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

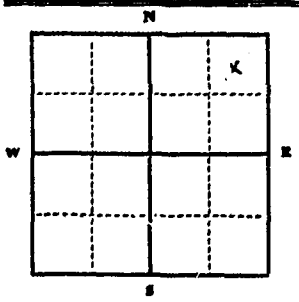
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6	6in	0	13	None		
5/ 5/8	4in plastic	0	152	5/16	134	148



NE ¼ NE ¼ Sec. 18
T. 14 N/S R. 48 E/W

Static water level 56 ft.*
Pumping water level 126 ft.*
at 4 gallons per minute,
measured 5 minutes after pumping began.
*Measured from ground level.
Well developed by bailer
for 4 hours.
Power cylinder Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) gravel packed

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

Driller's Signature Ira C. Bond and Sons

Driller's Address Terry, Montana

LICENSE NO. 37

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	7	top soil
7	8	yellow clay
8	10	gravel
10	34	trace of sand
35	56	gumbo
56	64	water sand 2gpm
64	94	gumbo
94	97	coal
97	108	gumbo
108	122	gumbo& sand
122	134	gumbo
134	148	water sand
148	152	coal

152 Show exact depth of bottom

49471

93328

Water Well Log
Polly Morris
to
The Public

FILED
at 9:45 o'clock A.M.
NOV 22 1971
John [illegible]
Linda M. [illegible]
Deputy
2nd pd

GV

File No.

DUPLICATE

T 14N R 48E

County Prairie

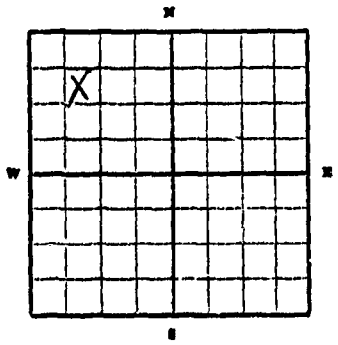
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
SEP 3 1962
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws 1961)

1. Isabel McLeod (Name of Appropriator), of (Address) Terry (Town)
County of Prairie State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW¼ NW¼ Sec. 19 T14N R48E.

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 is use of pumped well water for stock water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since the summer of 1957. Since that date the use of the well for stockwater has been continuous.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Probably five gallons per minute, to a total of approximately 800 gallons per day.

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 Withdrawn through two (2) inch pipe in a 6 inch iron casing, with a pump driven by windmill, with engine attachment, located in NW¼NW¼ of Section 19, Township 14 North, Range 48 East, M.P.M.

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

8. The depth of water table Approximately 95 feet below surface.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled well with 6 inch casing. There is a two inch water pipe in 4 inch cylinder drilled to approximately 95 feet below the surface, with pump jack attached.

10. The estimated amount of groundwater withdrawn each year 260,000 gallons approximately.

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

Lenore Helmet

NOTARY PUBLIC for the State of Montana
Residing at Billings, Montana
My commission expires February 24, 1963

Signature of Owner Isabel McLeod

Date 6-26-62

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

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

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

1323 A

82908

Water Well Logs.
Isabel MacLeod
to
The Public

FILED
at 3:30 o'clock P.M.
JAN 31 1962
County Clerk
Fee 2.00
Deputy

GW-

C

Approved Stock Form—State Publishing Co., Helena, Montana—4223

File No.

DUPLICATE

T. 14N R. 48

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

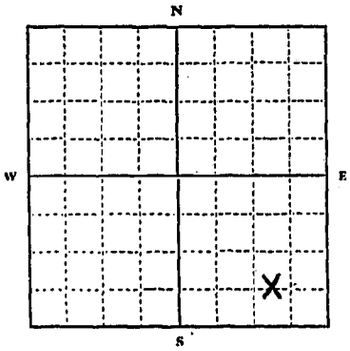
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Harold Cole (Name of Appropriator), of Terry (Town) (Address)

County of Prairie State of Montana

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



SE ¼ Sec. 20 T. 14 R. 48

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 watering

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1949 - Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 15 gallons 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: Irrigate garden patch

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Commenced & completed 1948

8. The depth of water table: 38 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Drilled - 6 inch casing - 55 feet.

10. The estimated amount of groundwater withdrawn each year: 500,000 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: None

Signature of Owner: Harold Cole

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.

24960

85621

FILED
at 5:00 o'clock P.M.
Oct. 31 1963
County Clerk
Fee 2.00 Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4855

29

MONTANA WATER RESOURCES BOARD
RECEIVED
MAR 13 1968

File No.....

DUPLICATE

T. 14 R. 48

County Prairie

LOG

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)

Top of Ground

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

1	ø top soil
12	yellow clay
1	gravel
26	soft sandstone
17	water sand 16 gpm
3	coal dust
4	gumbo
64	Show exact depth of bottom.

Owner Lee Hubing Address Terry, Montana

Driller Ira C. Bond & Sons Address Terry, Montana

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

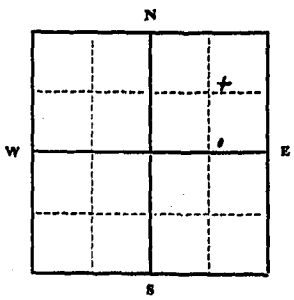
Date well started 2/26/68 Date completed 2/28/68

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7"	4½ od	0	64	3/16	40	57



Static Water Level for non-flowing well 30 feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level 54 feet at 3 gal. per minute.

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

How Tested bailed

Length of Test.....

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

4/4 NE 4 Sec. 29 T. 14 R. 48

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.

37
Driller's License Number

Ira C. Bond
Driller's Signature.

43,964

89834

FILED
at 3:30 o'clock A.M.
MAR 12 1968
Fee 2.00

GW 4

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

File No.

DUPLICATE

T. 14N R. 48E

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 6 1964
STATE ENGINEER

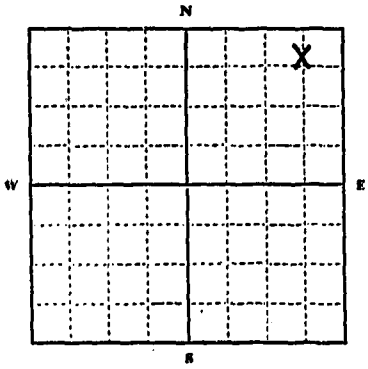
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Harold Cole (Name of Appropriator), of (Address) Terry (Town)

County of Prairie State of Montana

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



NE ¼ Sec. 32 T. 14 R. 48

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

2. The beneficial use on which the claim is based: Stock watering

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1952 - continuous

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Commenced & Completed 1952

8. The depth of water table: 38 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Drilled - 4 inch Casing - 115 feet.

10. The estimated amount of groundwater withdrawn each year: 650,000 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: None

Signature of Owner: Harold Cole

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.

24961

85622

FILED
at 5:00 o'clock P. M.
DEC 31 1963
County Clerk
Fee 2.50
Deputy

33

T. 14 R. 48

County Prairie

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
STATE ENGINEER

WATER WELL LOG

X			

Owner Walter Reukauf Address Terry, Montana

Driller Ira C. Bond Address Terry, Montana

Date Started October 4, 1961 Date Completed Oct. 7, 1961

Location: Sec. 33 T. 14 R. 48 ¼ sec. NW

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 55 ft. Type Steel Size 4 in.

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 33 to ft. 43 Ft. to ft.

Type of screen or perforations 5/16 in. holes cut three in apart with torch

Static Water level, for non-flowing well: 16 down to 30 feet.

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

Pumping water level 36 feet at 5 gal. per min.

How tested: with bailer

Length of test for one hour

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	yellow clay
10	12	gravel and quicksand
12	27	gumbo
27	33	Coal
33	48	Sand
48	55	gumbo

GROUNDWATER INDEX

Page ___ of ___

County PRAIRIE Twp. 15N Rge. 49E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
13	TIBBETTS, ROLAND	WATER WELL LOG	82905	
26	GRUE, CARL C.	GW-4	82881	
28	BUREAU OF LAND MANAGEMENT	GW-2	88985	
36	BUREAU OF LAND MANAGEMENT	GW-2	92797	
35	BUREAU OF LAND MANAGEMENT	GW-4		

T. 15 R. 49 13

County Prairie

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 2 1962
STATE ENGINEER

WATER WELL LOG

			X

Owner Roland Tibbitts Address Terry, Montana

Driller Ira C. Bond Address Terry, Mont.

Date Started 1953 Date Completed 1953

Location: Sec. 13 T. 14 R. 49 ¼ sec. NE¼

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: Surface ft. to 22 feet ft. Type steel Size 6"

Casing: 22 ft. to 56 ft. Type steel Size 4"

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 42 to ft. 52 Ft. to ft.

Type of screen or perforations burned holes

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

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

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

How tested: bailed

Length of test 2 hours

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	6	sandy yellow clay
6	22	gravel with water and quick sand
22	36	gumbo
38	42	coal
42	52	water sand
52	56	gumbo

82805

GW 2

STATE WATER CONSERVATION BOARD (Approved Stock Form—State Publishing Co., Helena, Montana—45642)

File No.....

JUN 29 1967

T. 14 N. R. 49 E. 28

DUPLICATE

County Prairie

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 2675)

0-35 Sandy shale, Lt. Brown

35-40 Sandstone, Dk. Gray

40-55 Quicksand, Brown

Static Water Level

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Bureau of Land Management Address Miles City, Montana

Driller Joe Johnson Drilling Address Terry, Montana

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

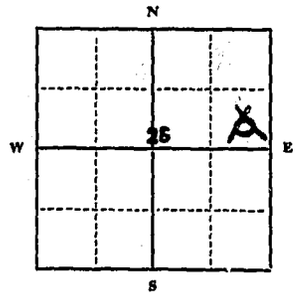
Date well started 4/28/67 Date completed 5/7/67

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8"	6" I.D. 19.18 lb/ft	+3	55	Slots ¼" X 6"	40	55



SE/4 NE Sec. 28 T. 14N R. 49E

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

Static Water Level for non-flowing well 35 feet.

Shut-in Pressure for Flowing Well N/A

Pumping Water Level 45 feet at 8 gal. per minute.

Discharge in gal. per min. of flowing well N/A

How Tested Bailing

Length of Test 8 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) Gravel packed with buckshot gravel

(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).

N/A

Show exact depth of bottom.

Keltner Well #1 (M2-R-1855)

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.

154

Driller's License Number

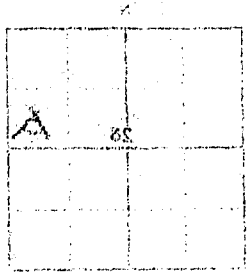
Joe Jon Johnson

Driller's Signature

42,097

DUPLICATE

88985



FILED
at 9:40 o'clock A.M.
JUN 28 1967
County Clerk
Deputy
Fee 2.00

G

File No.....

DUPLICATE

1 Recording number for 3 forms

T. 14N R. 49E Sec 25

County Prairie

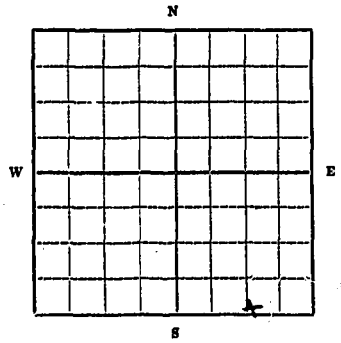
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 25 1962 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Carl C. Grue, of Terry
(Name of Appropriator) (Address) (Town)
County of Prairie State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE ¼ Sec 25 T 14 R 49

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
1951

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced 1951 - completed 1951

8. The depth of water table 35 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
Drilled, 4 in casing - 55 ft deep

10. The estimated amount of groundwater withdrawn each year 180,000 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

Signature of Owner Carl C. Grue
Date Jan 24-1962

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

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

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

1256.

08873

3 GW 2 Revised 1969
13—3M—10/69

County Prairie 35

MONTANA WATER RESOURCES BOARD
RECEIVED
MAR 5 1971

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner U.S. Bureau of Land Management

Address Miles City, Montana

For Administrator's Use
File 92797
3-4-71
GW 1

Date well started 10-9-70

completed 10-19-70

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

Equipment used cable tool (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

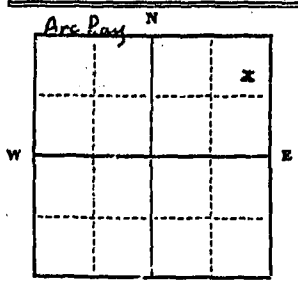
*Describe

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 1,000,000 gal

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8"	6 5/8 18.97#	+ 18"	240	~~1x6x4~~	200	240

Arc Pay



NE ¼ NE ¼ Sec. 35
T. 14N N/S R. 49E E/W

Static water level 105 ft.*
Pumping water level 175 ft.*
at 18 gallons per minute,
measured 160 minutes after pumping began.
*Measured from ground level.
Well developed by bailer
for 7 hours.
Power..... Pump..... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Briggs Drilling Contractor

Driller's Address P.O. Box 1083, Dillon, Montana

Glen Briggs LICENSE NO. 148

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	50	brown clay
50	70	blue clay
70	75	coal (water seep)
75	110	blue clay
110	220	grey clay
220	230	sand,coarse 180PM water
230	240	grey clay

240 Show exact depth of bottom

48196

92797

Water Shelby
U.S. Bureau of
Land Management
To
Mt Public

FILED

11:30 o'clock A.M.

1971

Deputy

3 GW 2 Revised 1969
17—3M—10/69

County Prairie 35

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner U.S. Bureau of Land Management

Address Miles City, Montana

Date well started 10-9-70

completed 10-19-70

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

Equipment used cable tool (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

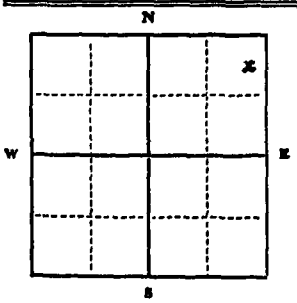
*Describe

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 1,000,000 gal

For Administrator's Use
File
GW 1

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind & Size	From (Feet)	To (Feet)
8"	6 5/8 18.97#	+ 18"	240	~~1x6x4~~	200	240



NE NW 35
¼ ¼ ¼ Sec.
T. N/S R. E/W

Static water level 105 ft.*
Pumping water level 195 ft.*
at 160 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by Bailer
for hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Briggs Drilling Contractor

Driller's Address P.O. Box 1083, Miles City, Montana

LICENSE NO. 148

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	50	brown clay
50	70	blue clay
70	75	coal (water seep)
75	110	blue clay
110	220	grey clay
220	230	sand,coarse 100% water
230	240	grey clay

240 Show exact depth of bottom

4/80414

GROUNDWATER INDEX

Page ___ of ___

County PRAIRIE Twp. 14N Rge. 50E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
2	ROOS, JOE	GW-2	84667	
12	ROOS, JOE	GW-4	85378	
13	BUREAU OF LAND MANAGEMENT	GW-2	92748	
~~13~~	~~BUREAU OF LAND MANAGEMENT~~	~~GW-2~~		~~SAME AS ABOVE~~
14	BUREAU OF LAND MANAGEMENT	GW-2	93444	
26	DOLATTA, CLIFF	WATER WELL LOG	81942	
28	BUREAU OF LAND MANAGEMENT	GW-2	92357	
34	DOLATTA, CLIFF	WATERWELL LOG	82809	
29	B.L.M.	GW-2	94917	Marigold Well

GW 2

File No.....

DUPLICATE

T. 14 N R. 50 E

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
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.....)

10'	Sandy yellow shale
46'	Gumbo
5'	Coal
8'	Gumbo
4'	Rock
58'	Gumbo
2'	Coal
8'	Gumbo
6'	Water sand_I G.P.M
12'	Gumbo
12'	Water sand- 5 G.P.M. with Bailer
4'	Gumbo

174' Show exact depth of bottom.

Owner Joe Roos Address Terry, Mont.

Driller Ira C. Bond Address Terry, Mont.

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

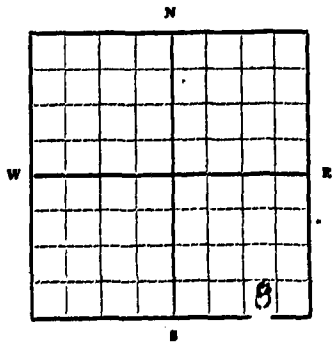
Date well started July 6, 1961 Date Completed July 12

Type of well Drilled (dug, driven, bored or drilled) Equipment Used Cable (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)
55/8	4" II lb.	Ground Level	174	5/16 Burned	138 156	148 170



SW of SE ¼ Sec. 2 T. 14 R. 50

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

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

Shut-in Pressure for Flowing Well .....

Pumping Water Level 155 feet at 4 gal. per minute.

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

How Tested Pump 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) .....

37
Driller's License Number

Ira C. Bond
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.

4947

84667

Matter Wall Log

Jack Pierce

To Public

FILED

JUL 8 1967

Fee 2.00

GV

File No.....

DUPLICATE

T. 14 N R. 50 E 6 - 12

County PRAIRIE

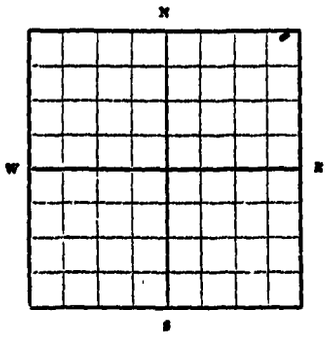
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 23 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Joe Rose (Name of Appropriator), of TERRY (Address) (Town)
County of PRAIRIE State of MONT
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE¼ Sec. 12 T. 14 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 STOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1948 CONTINUOUSLY

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater OCT. 1948

8. The depth of water table 92 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 4" CASING 140' DEEP 2" CYL. WINDMILL

10. The estimated amount of groundwater withdrawn each year 525,600 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

Signature of Owner Joe Rose

Date Dec. 11, 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 School of Mines and Quadruplicate for the Appropriator.

1:962

85398

FILED
at 2:00 o'clock P.M.
DEC 20 1963
E. Glen Johnston
County Clerk
Deputy
Fee 2.00

GW 2 Revised 1969
13—3M—10/69

MONTANA WATER RESOURCES BOARD
RECEIVED
MAR 5 1971

County Prairie 13

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner U. S. Bureau of Land Management

Address Miles City, Montana

Brackett well

Date well started 10-20-70

completed 10-24-70

For Administrator's Use
File 92798
3-4-71
GW 1

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

Equipment used cable tool (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

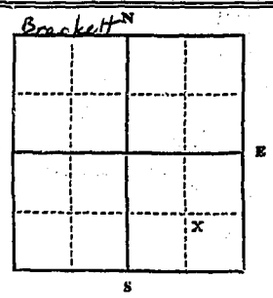
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 1,000,000. Gal.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8"	6 5/8 18.97	+ 18"	99	torch	40	45
				torch	89	95



SE ¼ SE ¼ Sec. 13
T. 14N N/S R. 50E E/W

Static water level 31 ft.*
Pumping water level 80 ft.*
at 3 gallons per minute,
measured 120 minutes after pumping began.
*Measured from ground level.
Well developed by bailer
for 4 hours.
Power..... Pump..... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) packers set above & between aquifers perforated.

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

Driller's Signature Briggs Drilling Contractor

Driller's Address P.O. Box 1083, Billon, Montana 59725

Glen Briggs LICENSE NO. 148

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	6	brown clay
6	20	rock, grey
20	40	brown clay
40	45	coal (20PM water)
45	85	grey clay
85	95	coal (20PM water)
95	100	grey clay

100 Show exact depth of bottom

48197

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 227 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. 1st copy to be retained by driller.

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

Owner [illegible]

Address [illegible]

Location [illegible]

Date well started [illegible]

Date completed [illegible]

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

Use if used for irrigation, industrial, drainage or other. Explain.

Total number of acres use for irrigation or other data (Be very clear and Additional)

ESTIMATED ANNUAL WITHDRAWAL

[illegible]	[illegible]	[illegible]	[illegible]
80	10.07	+ 120	90

Static water level [illegible] ft.

Pumping water level [illegible] ft.

Yield [illegible] gallons per minute

measured [illegible] minutes after pumping ceased

Measured from pumping level

We developed by [illegible]

FILED
[illegible] o'clock [illegible] M.
[illegible]
County Clerk and Recorder
By [illegible] Deputy

Water Right Form
[illegible]

92798

County [illegible]

DRILLERS LOG

Indicate the character, color, hardness 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.

From	To	Top of Ground	Blow Sand Gravel
[illegible]	[illegible]	[illegible]	[illegible]

3 GW 2 Revised 1969
13—3M—10/69

County Prairie 13

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner U. S. Bureau of Land Management

Address Miles City, Montana

Brackett well

Date well started 10-20-70

completed 10-24-70

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

Equipment used cable tool (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* 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 1,000,000. Gal.

For Administrator's Use
File
GW 1

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8"	6 5/8 18.97	18"	99	~~[illegible]~~ torch	40 39	45 95

N
W E
S

SE SE 13
10¼ ¼ Sec 30
T. N/S R. E/W

Static water level 30 ft.*
Pumping water level ft.*
at 120 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by
for hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shot(s)) Packers set above & between aquifers perforated.

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

Driller's Signature Griggs Drilling Contractor

Driller's Address P.O. Box 1083, Billon, Montana 59725

LICENSE NO. 146

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	6	brown clay
6	20	rock, grey
20	40	brown clay
40	45	coal (20PM water)
45	85	grey clay
85	95	coal (20PM water)
95	100	grey clay

100 Show exact depth of bottom

4/80 45

GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
DEC 23 1971

County Prairie 14

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
MONTANA WATER RESOURCES BOARD

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

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. Cliff Well

Owner Bureau of Land Management

Address Miles City, Mont.

Date well started 5/26/71

completed 5/28/71

For Administrator's Use
File 93444
December 23, 1971
9:15 Am
GW 1

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

Equipment used Air Rotary
(Churn drill, rotary or other)

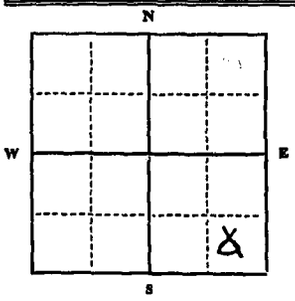
Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 Kind Size	From (Feet)	To (Feet)
7 7/8"	6" ID 18.97#	+1	340	Slots 1/8 X 6"	100	121
					140	181
					240	260
					320	340



SE ¼ SE ¼ Sec. 22 14
T. 14N N/S R. 58B E/W

Static water level 92 ft.*
Pumping water level 260 ft.*
at 4 gallons per minute,
measured 123 minutes after pumping began.
*Measured from ground level.
Well developed by Air
for 4 hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)
Well is gravel packed.

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

Driller's Signature Joe J. Johnson

Driller's Address Joe Johnson Drlg., Terry, Montana

LICENSE NO. 154

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	10	Fine Gray Sand
10	20	Fine Brown Sand
20	45	Gray & Brown Sand
45	50	Gray Rock (Very hard)
50	60	Gray Clay
60	80	Fine Gray Sand
80	130	Blue Shale with stringers of Coal
130	134	Coal
134	135	Gray Rock
135	160	Gray Clay
160	170	Gray Sand
170	180	Coal
180	240	Gray Clay
240	243	Rock
243	250	Gray Sand
250	280	Gray Clay
280	295	Gray Sand
295	297	Rock
297	310	Clay
310	340	Gray Sand

340' Show exact depth of bottom

49627

93444

Water Well Log

Bureau of Land Management

to

The Public

FILED

9:15 o'clock A.M.

DEC 22 1971

John D. Dudley

Vicki M. Ekart

Deputy

90.00 pd

81942

T..... R..... 26

County... Prairie

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
MAR 2 0 1961
STATE ENGINEER

WATER WELL LOG

Owner... Cliff Dolatta ... Address... Terry, Mont.

Driller... Henry I Johnson ... Address... Terry, Mont.

Date Started... Oct. 1959 ... Date Completed... Dec. 1960

Location: Sec... 26 ... T... 14 ... R... 50 ... ¼ sec... SW

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

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

Industrial [ ] Drainage [ ] Other:...

Casing:... 0 ... ft. to... 212 ... ft. Type... Std. Pipe ... Size... 4"

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

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

Perforated or Screened: Ft... 168 ... to ft... 210 ... Ft... to ft...

Type of screen or perforations... Holes

Static Water level, for non-flowing well:... 126 ... feet.

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

Pumping water level... 160 ... feet at ... 12 ... gal. per min.

How tested:... Bailer

Length of test... 1 hr

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	12	Yellow Loam
12	18	Scarrie and broken rock
18	50	Brown Quicksand
50	88	Shale w/ coal
88	90	Sandy formation
90	91½	Rock
91½	165	Gray shale very soft
165	210	Gray sandstone
210	212	Shale

GW 2.

Approved Stock Form—State Publishing Co., Helena, Montana—48557

File No.....

T. 14N R. 50E 28

DUPLICATE FLAKE WELL LOG

County Prairie

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)

Top of Ground

(Elev. above sea level 2605)

0 - 10 Lt. Brn. Sand
10 - 20 Sand & Stringer of Coal
20 - 30 Sandy Clay Yellow
30 - 40 Blk. Gumbo
40 - 50 Sandy Gray Clay
50 - 80 Sandy Gray Clay
80 - 100 Fine Gray Sand
100 - 130 Lt. Gray Sandy Clay
130 - 150 Gra y Sand-Stone
150 - 180 Gray Sand
180 - 190 Sand & Coal
190 - 214 Gray Sandstone

Owner BLM Address Miles City

Driller Joe Johnson Drlg. Address Terry, Mont.

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

Date well started 6/2/70 Date completed 6/3/70

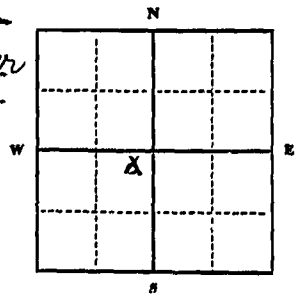
Type of well Drilled (Dug, driven, bored or drilled) Equipment used Air Rotary (Churn drill, rotary, or other)

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)
7 7/8"	6" ID 18.97	+1	214	Holes 3/8"	60	80
					190	214

Doc. No. 92357
Filed for record
11 day of September
A.D. 70 at 12:00
A.



NE ¼ SW Sec. 28 T. 14N R. 50E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 45 feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level 175 feet at 7 gal. per minute.

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

How Tested Bailer Tested

Length of Test 4 hrs.

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

(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).

Show exact depth of bottom.

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.

154
Driller's License Number

Joe Ston Johnson
Driller's Signature.

47500

T..... R. 34

County Prairie

RECEIVED
JAN 2 1962
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Mr. Cliff Rolette Address Terry Mont.

Driller Terry T. Johnson Address Terry Mont.

Date Started July 29 '61 Date Completed July 31 '61

Location: Sec. 34 T. 14 R. 50 ¼ sec. N E

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 92 ft. Type H.G. Size 4"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 72 to ft. 92 Ft. to ft.

Type of screen or perforations Holes

Static Water level, for non-flowing well: 21 feet.

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

Pumping water level 80 feet at 12 gal. per min.

How tested: Bailer

Length of test 1 hr

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	17	yellow Loam
17	27	white Sandstone
27	60	Blue Shale
60	70	Gray Sandstone w/water
70	72	Gray Shale

FILED
Date DEC 29 1981
County Clerk
Fee
Deputy

82809

GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED JUN 27 1973

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Marigold Well

Owner Bureau of Land Management

Address Miles City, Montana

Date well started 6/12/73

completed 6/13/73

For Administrator's Use
File 94917
June 25, 1973
GW 1 9:45 p.m.

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

Equipment used Air Rotary (Chern. drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

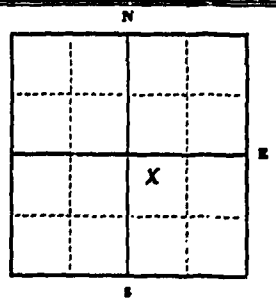
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 Kind Size	From (Feet)	To (Feet)
7 7/8"	6" ID 18.97#	+1	276	slots 1/8 X 6"	235	277



NW ¼ SE ¼ Sec. 29
T. 14N. N/S R. 50E. E/W

Static water level 160 ft.*
Pumping water level 227 ft.*
at 10 gallons per minute,
measured 120 minutes after pumping began.
*Measured from ground level.
Well developed by Air
for 2 hours.
Power ..... Pump ..... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Joe Jean Johnson

Driller's Address Joe Johnson Drilling, Terry, Montana

LICENSE NO. 154

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	10	Brown sand
10	20	Sand & Gravel
20	30	Red clay & stringers of Coal
30	35	Yellow Clay
35	55	Green Clay
55	60	Coal
60	75	Green clay
75	85	Green sandstone
85	95	Green Clay
95	175	Green sandstone
175	165	Brown & green clay with stringers of Coal
165	175	Sandstone
175	195	Green clay with stringers of sandstone
195	205	Blue Clay
205	276	Gray Sandstone

276 Show exact depth of bottom

53,858

94917

Water Well Log

B L M

to

the Public

FILED

at 9:45 o'clock A.M.

JUN 25 1973

Deputy

Fee 2.00

GROUNDWATER INDEX

Page ____ of ____

County PRAIRIE Twp. 14N Rge. 5TE

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
20	LINDEN, NELS	GW-2	84728	
23	CARLSON, JOHN & BORGHILD	GW-4	84675	
26	LINDEM, NELS	GW-2	84730	
29	LINDEM, NELS (ESTATE)	RELEASE AGREEMENT		OIL & GAS RELEASE AGREEMENT
29	LINDEM, NELS	GW-2	89258	
29	LINDEM, NELS	GW-2	88710	
33	LINDEM, NELS	WATER WELL LOG	12795	
34	LINDEM, NELS	GW-2	84729	

GW 2

File No.....

DUPLICATE

T. 14 N R. 51 E

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JUL 17 1963 STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

6'	Sandy Loam
14'	Sand
8'	Gravel
26'	Blue Shale
2'	Rock
6'	Blue Shale
18'	Water Sand
4'	Blue Shale
84'	

Show exact depth of bottom.

Owner Nels Undem Address Terry, Mont.

Driller Ira C. Bond Address Terry, Mont.

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

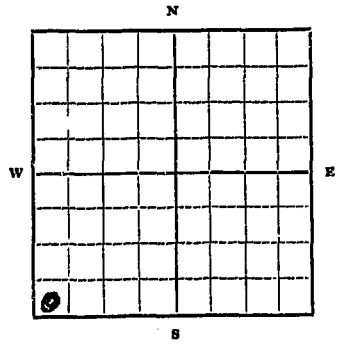
Date well started July 7, 1960 Date Completed July 12

Type of well..... (dug, driven, bored or drilled) Equipment Used..... (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)
	6"	0'	28'			
6 5/8"	4"	0'	84'	Burned	62'	80'



SW ....¼.... Sec 20 .... T. 14 .. R. 51 E

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

Static Water Level for non-flowing Well.....40.....feet.

Shut-in Pressure for Flowing Well .....

Pumping Water Level.....50.....feet at.....8.....gal. per minute.

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

How Tested.....Pump..... 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) .....

37
Driller's License Number

Ira C. Bond
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.

5052.

GW

File No.....

DUPLICATE

T. 14N R. 51E 23

County Prairie

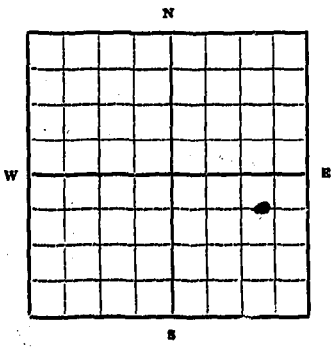
RECEIVED JUL 11 196 STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John and Borghild Carlson, of Terry
(Name of Appropriator) (Address) (Town)
County of Prairie State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE ¼ Sec. 23 T. 14 R. 51

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
Sept. 9, 1954 & 8 Months each summer since.

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Sept. 3, 1954 completed Sept. 9, 1954

8. The depth of water table 58 ft.--Water raises from 238 to 180ft.

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 in. casing and 2 in. tuing

10. The estimated amount of groundwater withdrawn each year 2,000,000 gal. per 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

John H Carlson
Signature of Owner Borghild Carlson

Date 7/10/63

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

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

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

4996.

84675

FILED
at 8:50 o'clock A M.
JUL 10 1963
County Clerk
Fee $2.00 Pd
Deputy

GW 2

File No.....

DUPLICATE

T. 14 N. - R. 51 E

County Prairie

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)

RECEIVED JUL 17 1963 STATE ENGINEER

Top of Ground

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

5'	Gumbo
15'	Gravel
30'	Blue Shale
4'	Coal
16'	Blue Shale
6'	Coal
4'	Blue Shale
16'	Water Sand
4'	Blue Shale Bottom Hole
100'	Show exact depth of bottom.

Owner Nels Undem Address Terry, Mont.

Driller Ira G. Bond Address Terry, Mont.

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

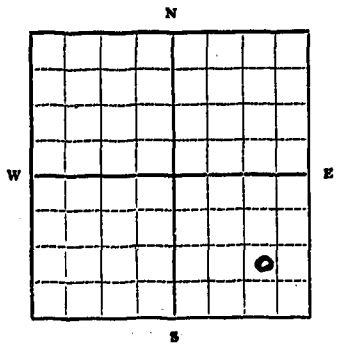
Date well started April 4, 1959 Date Completed April 16

Type of well Drilled (dug, driven, bored or drilled) Equipment Used Cable (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)
7" O.D.	Top of Ground	22'				
4"	Top of Ground	100'		5/16" Burned	80'	96'



S E ¼ Sec. 26 T. 14 R. 51

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

Static Water Level for non-flowing Well 25 feet.

Shut-in Pressure for Flowing Well .....

Pumping Water Level 85 feet at 4 gal. per minute.

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

How Tested Pump Length of Test .....

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

Driller's License Number 37

Ira G. Bond
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.

5054

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—41933

File No.....

MONTANA WATER RESOURCES BOARD
RECEIVED
OCT 31 1967

T. 14 R. 51 29

DUPLICATE

County Prairie

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)

Top of Ground

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

1	top soil
22	yellow clay
8	gumbo
7	sand stone
10	gumbo
10	water sand seep
12	gumbo
4	water sand seep
6	coal
8	water sand 1 gpm
6	gumbo
1	hard rock
3	water sand
8	gumbo
24	coal
37	gumbo
1	water sand 4 gpm
2	coal
7	gumbo
187	Show exact depth of bottom.

Owner Nels Undum Address Terry, Mont.

Driller Ira C. & Sons Address Terry, Mont.

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

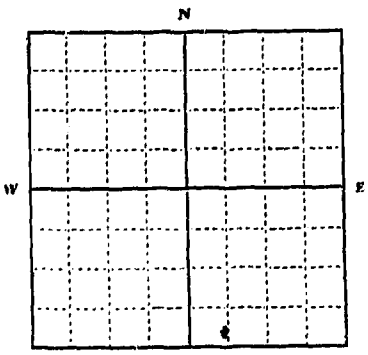
Date well started 11/3/66 Date Completed 11/5/66

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5 5/8	4½ od	0	186	5/16	167	177



SW ¼ SE¼ Sec. 29 T. 14 R. 51

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

Static Water Level for non-flowing Well 20 feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level 180 feet at 3 gal. per minute.

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

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).....

37
Driller's License Number

Robert Bond
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.

42.439

89258

FILED
at 1:45 o'clock P. M.
OCT 30 1967
County Clerk
Deputy
Fee

GW 2

File No.....

DUPLICATE

STATE WATER CONSERVATION BOARD

FEB 3 1967

Billings
Butte
Havre
Lewistown
Miles City
Helena
Glasgow
Glendive
Dickinson

T 14 R 51 27

County Prairie

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 Nels Undom Address Terry, Montana

Driller Ira C. Bond Address Terry, Montana

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

Date well started Nov. 12, 66 Date Completed 11/22/66

Type of well drilled (dug, driven, bored or drilled) Equipment Used cable (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 5/8	4" ID	surface	186	1/8" slots	167	177

Static Water Level for non-flowing Well 160 feet.

Shut-in Pressure for Flowing Well .....

Pumping Water Level 168 feet at 3 gal. per minute.

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

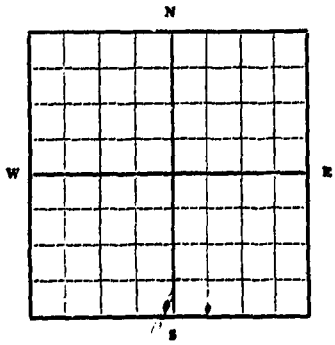
How Tested Bailer and pump Length of Test 2 hours

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

Top of Ground

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

1	black sandy top soil
22	yellow clay
9	gumbo
7	sand stone
10	gumbo
10	water sand, seep
12	gumbo
4	water sand, seep
6	coal
8	water sand, 1 gal min
6	gumbo
1	hard rock
5	water sand, seep
8	gumbo
24	coal
39	gumbo
10	water sand 4 gal/min
2	coal
7	gumbo



SW ¼ SE Sec. 29 T 14 R 51

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

186

Show exact depth of bottom.

37

Driller's License Number

Ira C. Bond

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.

41695

88710

FILED
at 2:00 o'clock P. M.
FEB - 2 1967
County Clerk
Fee 2.00 Pd.
Deputy

29

STATE OF MONTANA

ADMINISTRATORS
NORMAN J. BEAUDRY, EXEC. SECY.
P. O. BOX 217
HELENA, MONTANA 59601

DONALD A. GARRITY, ATTORNEY
422 NORTH PARK AVENUE
HELENA, MONTANA 59601

JUDSON B. SWEET,
PETROLEUM ENGINEER
19 POLY DRIVE
BILLINGS, MONTANA 59101

HERBERT D. HADLEY, GEOLOGIST
19 POLY DRIVE
BILLINGS, MONTANA 59101

OIL AND GAS CONSERVATION COMMISSION

325 FULLER AVENUE
BOX 217
HELENA, MONTANA 59601

November 21, 1969

Water Conservation Board
Water Resources Engineer
Sam W. Mitchell Bldg.
Helena, Montana 59601

Dear Sir:

Enclosed you will find a copy of a well Release Agreement for utilization of fresh water wells.

1. W. E. Andrau
   NPRR #1-29
   Section 29, Township 14 North, Range 51 East.

Yours very truly,

N. J. Beaudry
Norman J. Beaudry
Executive Secretary

NJB/pz
Encl.
cc: Mr. E. W. Vond
Bureau of Mines and Geology
Butte, Montana 59701