

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

1.03 #3

(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 Bureau of Land Management
Address Niles City, Mont.
Date well started 6/20/70
completed 7/2/70

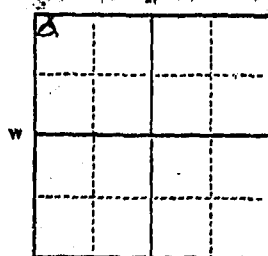
For Administrator's Use
File 92356
Sept. 11, 1970
12 A.C. B.M.
GW 1

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 135,000 gpd

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
7 7/8"	6" TO 18.97	+1	295	Kind Size Holes 3/8"
				From (Feet)
				To (Feet)
				23 40
				90 105
				213 258
				270 295



SW 1/4 Sec. 8
T. 12 N. R. 56 E.
S W

Static water level 105 ft.*
Pumping water level 200 ft.*
at 10 minutes after pumping began.

*Measured from ground level.
Well developed by drilling
for 8 hours.

Power 8 HP

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

Gravel packed top to bottom.

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

Driller's Signature Terry, Mont

Driller's Address Terry, Mont

LICENSE NO. 154

County PR. IRTS

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	20	Bm. Gray Sand & Clay
20	30	Bm. Sand with stringer of Bm. Gumbo
30	40	Coarse Gray Clay
40	50	Fine Blue Sand
50	60	Fine Gray Sand
60	100	Fine Lt. Bm. Sand
100	110	Gray Sand with stringer of Coal
110	130	Gray Sand
130	150	Gray Clay
150	160	Gray Clay with stringer of Coal
160	165	Hard Hard Clay: 1/2 Chunks
165	170	Hard Gray Rock
170	180	DK Bm. Gumbo
180	190	Hard Bk. Coal
190	200	Bm. Gumbo
200	250	Sandy Gray Clay
250	295	Same

295' Show exact depth of bottom

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

LUW #3

(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 Bureau of Land Management
Address Miles City, Mont.
Date well started 6/20/78
completed 7/2/78

For Administrator's Use
File 92356
Sept 16, 1970
12.2.2.2.2.2.
GW 1

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

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

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

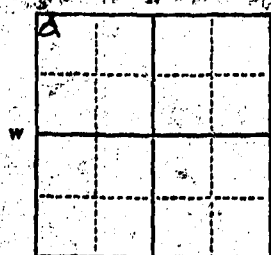
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

*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 135,000 gpd

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
7 7/8"	6" ID 18.97	0	295	Kind Size	From (Feet)	To (Feet)
				Holes 3/8"	23	40
					90	105
					215	255
					270	295



SW 1/4 Sec. 8
T. 12 N. R. 56 E.
S. W.

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

Driller's Signature Terry, Mont

Driller's Address Terry, Mont

LICENSE NO. 154

County PR. 1016

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	20	Brn. Gray Sand & Clay
20	30	Brn. Sand with stringer of Brn. Gumbo
30	40	Coarse Gray Clay
40	50	Fine Fine Sand
50	60	Fine Gray Sand
60	100	Fine Lt. Brn. Sand
100	110	Gray Sand with stringer of Coal
110	140	Gray Sand
140	150	Gray Clay
150	160	Gray Clay with stringer of Coal
160	165	Thin Hard Clay: Blk Chunks
165	170	Hard Gray Rock
170	180	Gr. Brn. Gumbo
180	190	Hard Blk. Coal
190	200	Brn. Gumbo
200	210	Sandy Gray Clay
210	295	Sand

295' Show exact depth of bottom

File No.

DUPLICATE

T. 12 N. R. 56 E.

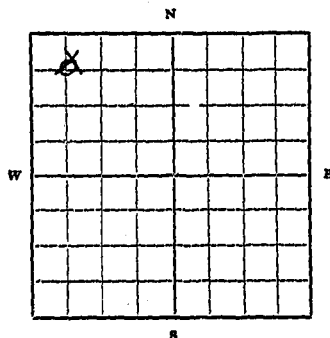
County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

RECEIVED
FEB 18 1963
STATE ENGINEER

1. Bureau of Land Management of Box 960, Miles City
(Name of Appropriator) (Address) (Town)
County of Custer State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 8 T. 12N R. 56E

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 Water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1948 - continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 gal./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 - NW 1/4 of Sec. 8
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1948
8. The depth of water table 128'
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, standard 4" casing, 128' deep.
10. The estimated amount of groundwater withdrawn each year 1,500,000
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 BLM file No. M3-B-210

District Manager

~~XXXXXXXXXXXXXX~~Date 1-22-63

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.

3667

84289

21416 FURNACE
RECEIVED
FEB 15 1953

FILED	
at 4:18	o'clock P. M.
<i>Chas. B. B. 151953</i>	
County Clerk	
Fee 2.00	Deputy

1430

STATE OF MONTANA
County of Yellowstone

SS

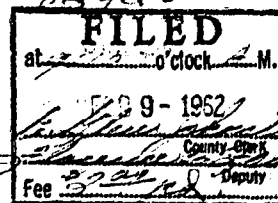
A. T. Ireson having first been duly sworn, deposes
and says that he is of lawful age and is the appropriator
for Shell Oil Co. and claimant of the order and water right mentioned
in the foregoing declaration of vested groundwater rights and the person
whose name is subscribed thereto, as the appropriate person
and claimant that he knows that the
contents of said foregoing notice and that the matters and things therein stated
as true.

Subscribed and sworn to before me, this 5th day of February 1962

Margaret W. Hrag
Notary Public for the State of Montana

Residing at Billings, Montana

My Commission expires March 30, 1962



RECEIVED

AUG 17 1959

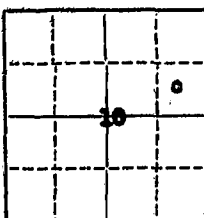
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 12 N R. 56 E

County: Prairie

WATER WELL LOG



Owner: SHELL OIL COMPANY Address: P. O. Box 2547
Billings, Montana

Driller: W. L. Livingston Address: Winnett, Montana

Date Started: October, 1954 Date Completed: October, 1954

Location: Sec. 10 T. 12 N R. 56 E 1/4 sec. Northeast

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other: _____

Casing: 0 ft. to 482 ft. Type: _____ Size: 6-5/8

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

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

Perforated or Screened: Ft. 350 to ft. 460 Ft. _____ to ft. _____

Type of screen or perforations: Torch perforated

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

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

Pumping water level: 180 feet at 19 gal. per min.

How tested: Bailed

Length of test: 13 hours

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

Baker basket set at 245'

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	80	Sandy clay, some yellow
80	120	Silty sand-green and tan clayey shale
120	200	Green and tan clayey shale; some sand
200	260	Shale
260	280	Dark sand; some shale
280	310	Dark sand and shale
310	350	Grey shale
350	370	Sand
370	400	Grey, green and brown shale
400	418	Dark sand
418	422	Hard sand
422	437	Shale and hard sand streaks
437	440	Soft sand and soft mushy white shale
440	460	Medium hard sand
460	510	Grey, brown soft clayey shale
510	580	Grey, green and dark shale
580	630	Muddy, clayey shale
630	650	Grey shale
650	750	Sticky grey and green shale
750	890	Grey shale and brown lime shells
890	950	Dark shale; firm
950	1170	Dark shale; firm

Q2

Q2

GW

Approved Stock Form—State Publishing Co., Helena, Montana—3867

File No.

T. 12 N. R. 56

DUPLICATE

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

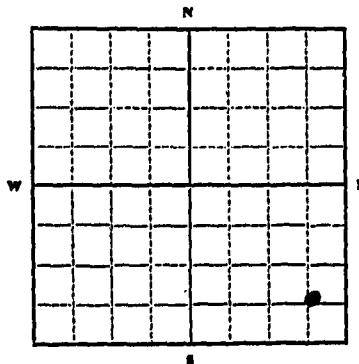
RECEIVED
APR 9 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

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



SE 1/4 Sec. 16 T. 12 N. R. 56

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

2. The beneficial use on which the claim is based.
STOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
June 1956

4. The amount of groundwater claimed (in miner's inches or gallons per minute).
8 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.
None

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
June 1956

8. The depth of water table.
60 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 in. casing
110 ft. drilling
112 ft. casing

10. The estimated amount of groundwater withdrawn each year.
691,200 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 Ing
Ing
Date 4/12/63

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

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

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

4147

84438

Declaration of Vested
Groundwater Rights

Prairie County Co-op.
State Housing Dept
to

The Public

FILED	
at 11:00	o'clock A. M.
APR 8 1963	
County Clerk	
Fee 2.00	81.00 Deputy

RECEIVED
MAR 3 1958

77630

T 12 R 56

County Prairie

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

18

Owner Dalbert H. Baggott Address Marble, Mont.
Driller Frank Sandy Jr. Address Brown
Date Started Dec. 5/52 Date Completed Dec. 22/52
Location: Sec. 18 T. 12 R. 56 $\frac{1}{4}$ sec.

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

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

Casing: 0 ft. to 644 ft. Type Galv. Size 2"

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

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

Perforated or Screened: Ft. 580 to ft. 644 Ft. _____ to ft. _____

Type of screen or perforations: _____

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

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

Pumping water level 80 feet at _____ gal. per min. 18

How tested: Cylinder

Length of test 1 3/4

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

(over)

[illegible][illegible]

Log of Well

[illegible]

82771

GW 1

Approved Stock Form—State Publishing Co., Helena, Montana—66806

File No. 91185

T. 12 N. R. 56 E.

ORIGINAL

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

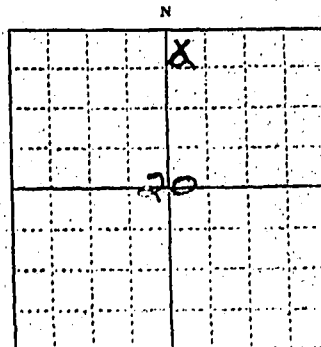
MONTANA WATER RESOURCES BOARD
RECEIVED

MAY 15 1969

Notice of Appropriation of Groundwater

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

1. I, Bureau of Land Management, of Miles City, Montana
(Name of Appropriator) (Address) (Town)
County of Prairie, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.
2. The beneficial use to which water is to be applied is livestock water
(describe lands to be benefited, if for irrigation)
3. The rate of use in gallons per minute or miner's inches of groundwater claimed 3-5 gallons per minute
4. The annual period (inclusive dates) of intended use April 20th to November 20th
5. The probable or intended date of first beneficial use September, 1969
6. The probable or intended date of commencement and completion of the well* or wells* August, 1969
7. The location, type, size and depth of well or wells contemplated T. 12 N., R. 56 E., Sec. 20, NW 1/4, pumped well, 6", 150' deep.
8. The probable or estimated depth of the water table or artesian aquifer 70 feet
9. Name, address and license number of the driller engaged We do not know at this time.
10. Give such other similar information as may be useful in carrying out the policy of this act.
150 cattle will use this well for approximately 2 months or an annual withdrawal of 135,000 gallons of water.



PERMIT REQUESTED

NW 1/4, Sec. 20, T. 12 N. R. 56 E.
Locate Well or other means of development as accurately as possible on the plat.

George L. Gray
Signature of Appropriator

Don Raito
Signature of Recorder

NOTARY PUBLIC in the State of Montana
Residing at Miles City, Montana
My Commission Expires April 1, 1972

Date 7/17/69

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

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

Answer all questions, if not applicable so state, otherwise this form will be returned.

45,237

STATE OF MONTANA

County of Prairie

John A. Stuchlik, County Clerk and
Recorder in and for said County and State, hereby
certify that the foregoing is a full, true and correct
copy of Water Right
filed in my office on the 16 day of May
A.D. 1969

IN WITNESS WHEREOF, I have hereunto set
my hand and affixed the seal of said county this
16 day of May 1969

John A. Stuchlik
COUNTY CLERK and RECORDER

By Harold C. Galt
Deputy



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

District Office

Box 940

Helena City, Montana 59301

MONTANA WATER RESOURCES BOARD

Dir. WCC Pin. _____
Adm. _____ Inf. _____
Eng. _____ Brd. _____
WIRD Ward RBC. _____
ECO _____ WSW. _____
Lgl. _____ CON. _____

MONTANA WATER RESOURCES BOARD

RECEIVED

SEP 30 1970

Sept. 29, 1970

Montana Water Resources Board
Donald J. Guse, Acting Director
Sam W. Mitchell Building
Helena, Montana 59601

Dear Mr. Guse:

Your letter dated September 16, 1970, noted an error in the township description of the Fan Well. The description has been corrected with the Prairie County Clerk and Recorder to read NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 20, T. 12 N., R. 36 E.

The County Clerk and Recorder did not know what procedure was required, so he corrected the Groundwater Appropriation form he has on record. If your office has a special form to record as an "instrument of correction" please forward this form to our office.

Sincerely yours,

Rex D. Colton
District Manager

PERMIT GRANTED

DIRECTOR

County PRAIRIE

STATE OF MONTANA - MONTANA WATER RESOURCES BOARD
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

DRILLER'S LOG

PAN WELL

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Bureau of Land Management

Owner	For Administrator's Use
Address <u>Miles City, Mont.</u>	File <u>9.2351</u>
	<u>Sept. 11, 1970</u>
	<u>12.00.00</u>
Date well started <u>6/26/70</u>	GW 1
completed <u>7/1/70</u>	<u>6-28-70</u>

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

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

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

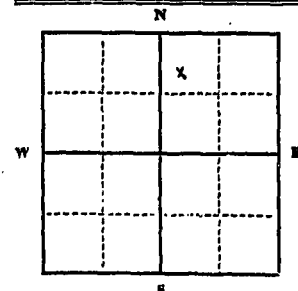
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

*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 1/2"	6" ID 18,97#	01	156	Holes 3/8"	80	145



Static water level 65 ft.*
Pumping water level 130 ft.*
at 6 gallons per minute,
measured 120 minutes after pumping
began.
*Measured from ground level.
Well developed by Air Lift
for 4 hours.
Power..... Pump..... HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

NE 1/4 NE 1/4 Sec. 20
T. 25 N. R. 56 E.
S. 12 W.

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

Driller's Signature Joe Lem Johnson

Driller's Address Terry, Montana

LICENSE NO. 154

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 Brn. soft sand
10	20	Same
20	30	Gray Gumbo; Stringer of
30	40	Coal
40	50	Same
50	60	Same
60	70	Gray Sandy Clay
70	80	Same
80	90	Same
90	100	Gray Clay
100	110	Brn. Gumbo
110	120	Gray Gumbo
120	130	Gray Gumbo; Stringer of
130	140	Coal
140	150	Gray Gumbo
150	156	Same

156 Show exact depth of bottom

477508

PERMIT GRANTED

DIRECTOR

County **PRAIRIE**

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
PAN WELL

DRILLER'S LOG

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Bureau of Land Management

Owner

Address **Miles City, Mont.**

For Administrator's Use	
File	9-2351
Date	Sept. 11, 1970
Initials	12-22-2-22

Date well started **6/26/70**
completed **7/1/70**

GW 1

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

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

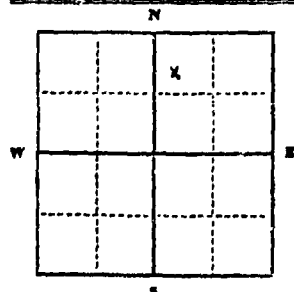
Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

*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 **135,000 gal**

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
7 1/2"	6" ID 18,97#	+1	156	Kind Hole	From (Feet)	To (Feet)
				Noles 3/8"	80	145



Static water level **65** ft.*
Pumping water level **130** ft.*
at **1** gallons per minute,
measured **120** minutes after pumping began.
*Measured from ground level.
Well developed by **Air Lift**
for **4** hours.
Power **1** HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

11 1/4 **12** 1/4 Sec. **20**
T. **21** N. R. **56** E
12 S **5** W

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

Driller's Signature **Joe Lem Johnson**
Driller's Address **Terry, Montana**

LICENSE NO. **154**

Top of Ground (Elev. above sea level)	
From (Feet)	To (Feet)
0	10 fine-grained soft sand
10	20 same
20	30 gray gumbo stringer of coal
30	40 same
40	50 same
50	60 same
60	70 gray sandy clay
70	80 same
80	90 same
90	100 gray clay
100	110 fin. gumbo
110	120 gray gumbo
120	130 gray gumbo stringer of coal
130	140 gray gumbo
140	150 same
150	156 same

156 Show exact depth of bottom

417508

File No. _____

T. 12N R. 56E

Original _____

County FRAIRIE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
FEB 13 1962

STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Sessions Laws 1961)

1. Shell Oil Company of P. C. Box 2547 Billings
(Name of Appropriator) (Address) (Town)

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

Section 23

SE 1/4 Sec 23 T12N R 56E
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
Industrial
3. Date of approximate date of earliest beneficial use; and how continuous the use has been Aug. 1952
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gal/min
5. If used for irrigation give the acreage and description of the land to which water has been applied and name of 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 Motor driven pump
7. The date of commencement and completion of the construction of the well, wells or other works for withdrawal of ground water Started Aug. 2, 1952 Comp. Aug. 8, 1952
8. The depth of water table 125' ±
9. So far as it may be available, the type, size and depth of each well or the general specification of any other works for the withdrawal of groundwater
9" hole to 1185 6-5/8" csg at 1185 Perfs 1024-1185
10. The estimated amount of groundwater withdrawn each year 175,000 bbls
11. The log or 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 indicating reference to book and page of any county record
* Shut in - No longer in use

Signature of Owner A. J. Dyer
Date February 5, 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.

STATE OF MONTANA

County of Yellowstone

ss

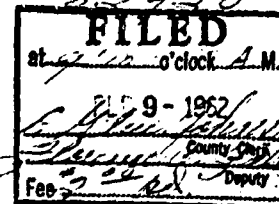
A. T. Ireson having first been duly sworn, depose^s
and says that he is of lawful age and is the appropriator
for Shell Oil Co. and claimant of the order and water right mentioned
in the foregoing declaration of vested groundwater rights and the person
whose name is subscribed thereto, as the appropriate person
and claimant, that he knows that the
contents of said foregoing notice and that the matters and things therein stated
as true.

Subscribed and sworn to before me, this 5th day of February 1962

Margaret W. Haag
Notary Public for the State of Montana

Residing at Billings, Montana

My Commission expires March 30, 1962



RECEIVED

NOV 17 1959

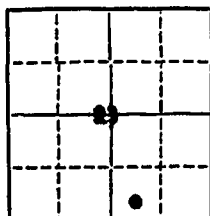
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 12 N R. 56 E

County Prairie

WATER WELL LOG



Owner SHELL OIL COMPANY Address P. O. Box 2547
Billings, Montana
Driller _____ Address _____
Date Started August 2, 1952 Date Completed August 8, 1952
Location: Sec. 23 T. 12 N R. 56 E $\frac{1}{4}$ sec. Southeast

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

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

Casing: 0 ft. to 1185 ft. Type _____ Size 6-5/8"

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

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

Perforated or Screened: Ft. 1035 to ft. 1185 Ft. _____ to ft. _____

Type of screen or perforations Screen perforated

Static Water level, for non-flowing well: 916' 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)

Larkin packer at 999'

Salinity 834 ppm

(over)

Log of Well

[illegible]

File No. _____

T. 12N R. 50E

Original

County FRANKLIN

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

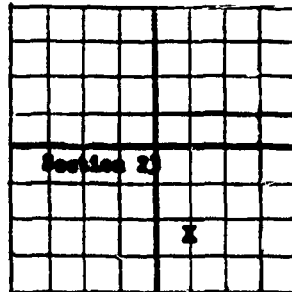
RECEIVED
FEB 13 1962

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Sessions Laws 1961)

STATE ENGINEER

1. Shell Oil Company of P. O. Box 2547 Billings
(Name of Appropriator) (Address) (Town)

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



Sec 1/4 Sec 21 12N 50E
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 Industrial
3. Date of appropriation and of earliest beneficial use; and how long since the use has been Aug. 15, 1952
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 24 gal/min
5. If used for irrigation give the acreage and description of the lands to which water has been applied and name of 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 Motor driven pump.
7. The date of commencement and completion of the construction of the well, wells or other works for withdrawal of ground water Aug. 10, 1952 started. Comp Aug. 15, 1952
8. The depth of water table 750 ±
9. So far as it may be available, the type, size and depth of each well or the general specification of any other works for the withdrawal of groundwater
6-7/8" hole to 1195. 5-1/2" aug to 1195. Parts 985 to 1194
10. The estimated amount of groundwater withdrawn each year 175,000 bbls
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 indicating reference to book and page of any county record
* Shut in - No longer in use.

Signature of Owner A. J. Jones

Shell Oil Company
Date February 5, 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.

STATE OF MONTANA
County of Yellowstone

ss

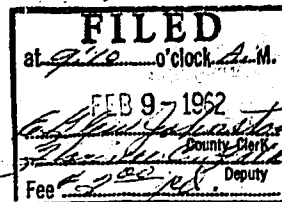
A. T. Ireson having first been duly sworn, depose &
and say that he is of lawful age and is the appropriator
for Shell Oil Co. and claimant of the order and water right mentioned
in the foregoing declaration of vested groundwater rights and the person
whose name is subscribed thereto, as the appropriate person
and claimant, that he knows that the
contents of said foregoing notice and that the matters and things therein stated
as true.

Subscribed and sworn to before me, this 5th day of February 19 62

Margaret W. Haag
Notary Public for the State of Montana

Residing at Billings, Montana

My Commission expires March 30, 19 62



RECEIVED
AUG 17 1959

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 12 N R. 56 E

County: Prairie

WATER WELL LOG

	23	
	0	

Owner: SHELL OIL COMPANY Address: P. O. Box 2547
Billings, Montana

Location: Sec. 23 T. 10 N R. 56 E 1/4 sec. Southeast

Date Started: August 10, 1952 Date Completed: August 15, 1952

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other: _____

Casing: 0 ft. to 1195 ft. Type: 11 1/2" & 20" Size: 5-1/2"

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

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

Perforated or Screened: Ft. 985 to ft. 1194 Ft. _____ to ft. _____

Type of screen or perforations: Torch perforated

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

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

Pumping water level: 285 feet at 14 gal. per min.

How tested: Pump test

Length of test: 6 hours

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

Larkin packer at 970'

(over)

File No.

T. 12^N R. 56^E

DUPLICATE

County Prairie

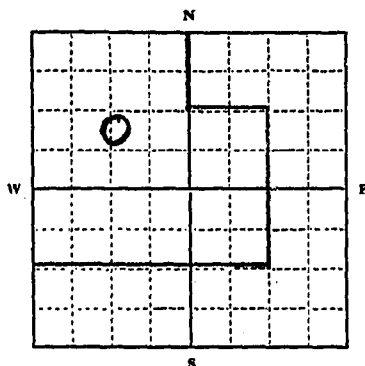
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Sam Irion of Fallon
(Name of Appropriator) (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:



7/11/64 Section 36, T. 12, R. 56E

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 unknown - continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gals. 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

None

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 Date unknown

8. The depth of water table 60 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 8-10 ft deep, 5 in. casing
unknown

10. The estimated amount of groundwater withdrawn each year 40,000 gals. per year

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

Signature of Owner

Sam Irion

Date

Dec. 29, 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.

24896

85555

FILED
at 2:30 o'clock P.M.
DEC 3 1963
Alvin J. [Signature]
County Clerk
Deputy
Fee 2.00

File No.

DUPLICATE

T. 12 N. R. 56 E.

County. Prairie

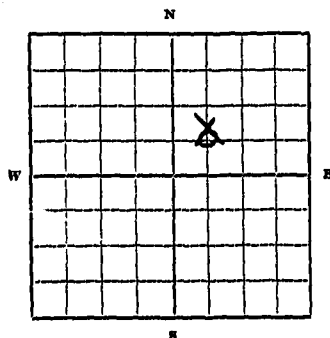
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

RECEIVED
FEB 18 1963

STATE ENGINEER

1. Bureau of Land Management of Box 960, Miles City
(Name of Appropriator) (Address) (Town)
County of Custer State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 NE Sec 29 T12N R56E

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 water

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 gal./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 - SW 1/4 NE of Sec. 29

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

8. The depth of water table 125'

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 125' deep, standard 4" casing, 10' Andrews mill, 18' tower.

10. The estimated amount of groundwater withdrawn each year 1,500,000

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. MM file No. M3-R-209

District Manager
Arthur C. Zimmerman

Date 1-22-63

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.

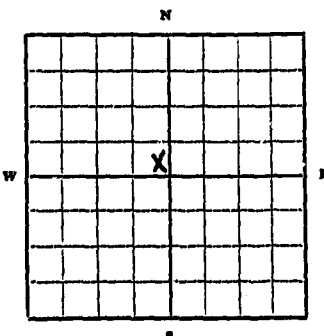
84293

FILED
at 4:10 o'clock P. M.
FEB 15 1963
C. H. J. [Signature]
County Clerk
Fee 2.00 Deputy

GV

File No.

DUPLICATE

T. 12^N R. 5-6^E 30
County PraineSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERDeclaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1981)RECEIVED
DEC 23 1963
STATE ENGINEER1. Erwin Hoffer of Fallon
(Name of Appropriator) (Address) (Town)
County of Praine State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

NW 1/4 Sec. 30 T. 12 R. 56

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

2. The beneficial use on which the claim is based stock watering
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1916 - continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump - gas motor & windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced & completed 1916
8. The depth of water table 100 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 Culvert - 6 inch casing - 140 ft. deep.
10. The estimated amount of groundwater withdrawn each year 171,000 gallons.
11. The log of formations encountered in the drilling of each well if available Not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner

Date

Erwin Hoffer
Dec. 20 - 1963

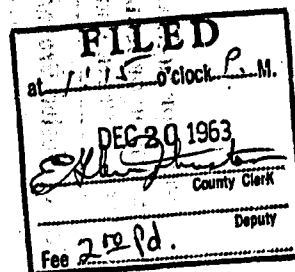
Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

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

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

11858

85393



GROUNDWATER INDEX

Page of

County PRAIRIE Twp. 12N Rge. 56E

[illegible]

1272-5
County Prairie 32

Man Well - #6570

PERMIT REQUESTED

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF APPROPRIATION OF GROUNDWATER
(Under Chapter 237, Montana Session Laws, 1961, as amended)

After filing a notice of appropriation, in order to acquire a right based thereon, the person must, within ninety (90) days, commence actual excavation and diligently prosecute construction of a well and, upon its completion, file a notice of completion with the County Clerk of the county in which the appropriation is located.

Three copies of this notice are to be filed 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 may be returned.

1. Bureau of Land Management, of Miles City, Montana
(Name of Appropriator) (Address) (Town)

County of Prairie, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is Livestock water - approx. 200 head

(Describe lands to be benefited, if for irrigation)

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

3 - 5 gallons per minute

The estimated amount of groundwater to be used annually 135,000 gallons

4. The annual period (inclusive dates) of intended use May 1 to November 30

5. The probable or intended date of first beneficial use Spring of 1973

6. The probable or intended date of commencement and completion of the well* or wells*

Spring of 1973

7. The location, type, size and depth of well or wells contemplated

T. 12 N., R. 56 E., Sec. 32, SW 1/4 - pumped well, 6" x 200' deep

8. The probable or estimated depth of the water-table or artesian aquifer 125 feet

9. The name, address, and license number of the driller engaged (unknown at present)

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

An annual withdrawal of approximately

135,000 gallons should be made

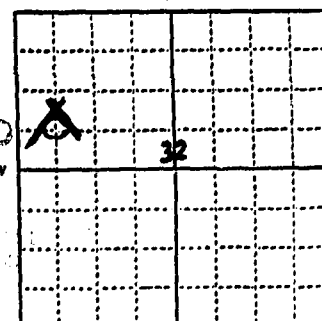
PERMIT GRANTED RECEIVED

W.R.D., Administrator

For Administrator's Use

File 94158

November 3, 1972 - 10:30 a.m.



SW 1/4 NW 1/4 Sec. 32

T. 12 N. R. 56 E.
SW SE

LOCATE WELL OR OTHER MEANS OF DEVELOPMENT AS ACCURATELY AS POSSIBLE ON THE PLAT.

PERMIT REQUESTED

Signature of Appropriator Steve D. C. Dietz Date 11/2/72

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

52,101-B.

54100
9415-8
Water Well Log
Bureau of Land Management
to
The Public

FILED
at 10:30 o'clock P.M.
1972
John A. Strickland
Deputy Clerk
240

Owner

Elise City, Nevada

Address

File 94919

June 25, 1973

Date well started

4/26/73

Completed

Drilled

Type of well

Artesian

(Dig, driven, bored or drilled)

Equipment used

(Cable drill, pump 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)

50	50	gray clay
50	55	Rock
55	65	gray sand
65	75	gray clay & sandstone at base
75	80	Coal
80	100	gray clay
100	110	gray sandstone
110	140	gray clay
140	150	gray clay & coal
150	170	gray clay & sandstone
170	190	gray clay

PERMIT GRANTED

County Psaltis

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

W.R.D. Administrator
RECEIVED

DRILLER'S LOG

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 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, last copy to be retained by driller.

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

Well

Bureau of Land Management

Owner

Bliss City, Montana

Address

For Administrator's Use

File 94919

June 25, 1973

GW1 9:45 A.M.

Date well started

4/24/73

completed

4/26/73

Type of well

Drilled

(Then, driven, bored or drilled)

Equipment used

Rotary

(Chain drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

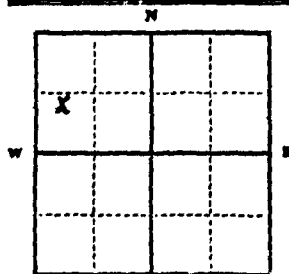
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

*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	From (Feet)	To (Feet)	
<u>8"</u>	<u>6" 30 18.57#</u>	<u>+1</u>	<u>20</u>	<u>1" O</u>	<u>R</u>	<u>E</u>	



Static water level 93' 10" - 9' 3/4"
Pumping rate 100 gpm
at 600 gallons per minute,
measured 600 minutes after pumping
began.
*Measured from ground level
Well developed by 154 hours.
Power 154 Pump 154 HP
Remarks: (Gravel packing, cementing,
Well abandoned due to
insufficient water.

32 720 32
9.224 1/4 Sec. 982
T. N R. E
S. S

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

Driller's Signature

Driller's Address

Joe Johnson Drilling, Jerry, Montana
154

LICENSE NO.

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
<u>0</u>	<u>10</u>	<u>Topsoil & light brown sand</u>
<u>10</u>	<u>20</u>	<u>Dark clay & sand</u>
<u>20</u>	<u>30</u>	<u>Light brown sand</u>
<u>30</u>	<u>30</u>	<u>Sandy clay</u>
<u>50</u>	<u>55</u>	<u>Rock</u>
<u>55</u>	<u>65</u>	<u>Sandy sand</u>
<u>65</u>	<u>75</u>	<u>Sandy clay & stratified of sand</u>
<u>75</u>	<u>80</u>	<u>Coat</u>
<u>80</u>	<u>100</u>	<u>Sandy clay</u>
<u>100</u>	<u>110</u>	<u>Sandy sandstone</u>
<u>110</u>	<u>140</u>	<u>Sandy clay</u>
<u>140</u>	<u>150</u>	<u>Sandy clay & sand</u>
<u>150</u>	<u>170</u>	<u>Sandy clay & sandstone</u>
<u>170</u>	<u>190</u>	<u>Sandy clay</u>
<u>190</u>	<u>200</u>	<u>Black shale</u>
<u>200</u>	<u>230</u>	<u>Sandy shale & clay</u>
<u>230</u>	<u>237</u>	<u>Rock</u>
<u>237</u>	<u>260</u>	<u>Sandy clay & sandstone</u>
<u>260</u>	<u>280</u>	<u>Black shale</u>
<u>280</u>	<u>350</u>	<u>Sandy clay</u>
<u>350</u>	<u>380</u>	<u>Sandy clay</u>
<u>380</u>	<u>390</u>	<u>Coat</u>
<u>390</u>	<u>400</u>	<u>Clay with stratification of sand</u>
<u>400</u>	<u>500</u>	<u>Sandy clay with stratification of rock & sandstone</u>

500

Show exact depth of bottom

53860

94919

State's Atty. Gen.
B L M
to
The Public

FILED

at 9:45 o'clock P.M.

JUN 25 1973

John B. [Signature]
Deputy

cc'd. [Signature]

File No. _____

T. 12^N R. 56^E

DUPLICATE

County Prairie

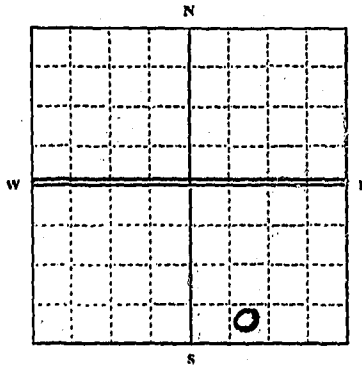
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 6 1964
STATE ENGINEER

1. J. S. Irion, of Fallon
(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:



Sec. 34 T. 12 R. 56 E

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

2. The beneficial use on which the claim is based Stock Water Well
3. Date or approximate date of earliest beneficial use; and how continuous the use has been unknown date (1950)
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 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 none
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 Date unknown
8. The depth of water table app. 75 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 5 in 110 ft. None
10. The estimated amount of groundwater withdrawn each year 30,000 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.

Signature of Owner

J. S. Irion

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.

24900

CIVIC ENGINEER

85559

FILED
at 2:30 o'clock P. M.
DEC 31 1963
E. J. Houston
County Clerk
Deputy
Fee 2.00

GROUNDWATER INDEX

Page of

County *PRAIRIE*

Twp. 11N

Rge. 50E

[illegible]

File No. _____

DUPLICATE

T. 11 R. 50

County Prarie

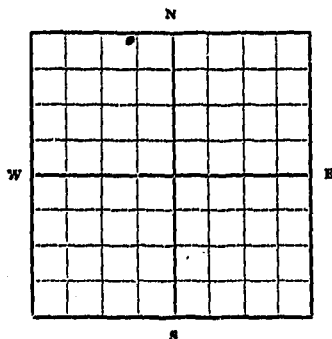
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
1962

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

STATE ENGINEER

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



NW
Sec. 1 T. 11 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 1952, continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1

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
Curbed and piped to tank

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 Surface (Spring)

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

none

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

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

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

Signature of Owner Lester Jens

Date Sept 17, 1962

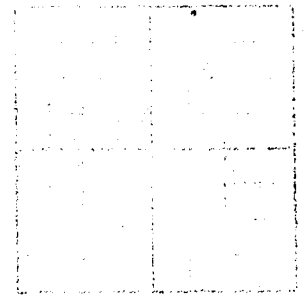
Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

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.

2124

STATE OF TEXAS
COUNTY OF DALLAS



W. W. ...
...

83606

FILED
at 10:30 o'clock A.M.
SEP 17 1962
County Clerk
Fee \$2.00

Terry, Montana
April 11, 1963

RECEIVED

APR 12 1963

State Engineer
Helena, Montana

Dear Sir:

~~ASSISTANT~~
STATE ENGINEER

Water Well Log for Lester Jens in error on N.W. $\frac{1}{4}$ Sec.

3, Township 11, Range 50.

It should be Sec. 1, Township 11, Range 50.

Would you make this correction on your sheet as we have
made the correction in our office?

Thank you.

Sincerely,
E. Glen Johnston,
Clerk & Recorder

By *E. Glen Johnston*
Deputy



STATE OF MONTANA

STATE ENGINEER

SAM W. MITCHELL BUILDING

HELENA, MONTANA

Everett V. Darlington
~~STATE ENGINEER~~
HANS L. BILLE, ASSISTANT
C. S. Heidel, Deputy State Engineer

April 15, 1963

RECEIVED

APR 16 1963

ASSISTANT
STATE ENGINEER

Mr. E. Glen Johnston
Clerk and Recorder
Prairie County
Terry, Montana

Dear Mr. Johnston:

We have your note of April 11 stating that a water well log for Lester Jens is in error, that NW $\frac{1}{4}$ Sec.3 T.11 R.50 should be Section 1, not 3.

We have two of his ground-water filings for NW $\frac{1}{4}$ Section 3 T.11 R.50, both filed in your office at 10:30 a.m. September 17, 1962 and both with document number 83606. One of them, our number 2119 is for stockwater from a flowing well which appears to be in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ and the other, our number 2124 is for stockwater from a surface spring, apparently in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$. If the flow of the spring is not increased by the development it may be filed on under the surface water laws, Section 89-801 et seq. R.C.M. 1947.

Will you please tell us which of these is the one in Section 1?

Very truly yours,

EVERETT V. DARLINGTON
STATE ENGINEER

C. S. Heidel

By: C. S. Heidel
Deputy State Engineer

CSH:ba

Dear Sir:

Your number 2124 is the one that is in error. It is the surface spring.

I am sorry I didn't explain this more fully.

Sincerely,
E. Glen Johnston, Clerk & Rec.
By: *E. Glen Johnston*
Deputy

File No.

T 21N R 50E

DUPLICATE

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 16 1963

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

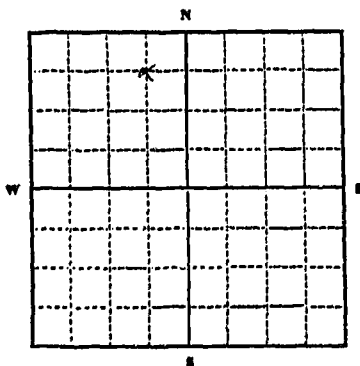
Date of Appropriation of Groundwater 1908.Owner Nor. Pac. Ry. Co. Address St. Paul, Minn.

Contractor (if any)

Address of Contractor

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

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring, used since 1908.



NE 1/4 Sec. 1 T11N R50E

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. Spring flows

1 gallon per minute. Curbed and piped into tank.

Northern Pacific Railway Company

Signature of Owner By Dist. Supvr, Gravel & Cult.

Date.....

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

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

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

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

85300

CLERK OF ENGINEER

RECEIVED

FILED	
at 9:00 o'clock A.M.	
DEC 12 1963	
<i>[Signature]</i>	
County Clerk	
Fee	200 12
Deputy	

GW

File No.

DUPLICATE

T. 11^N R. 50
County. Prairie

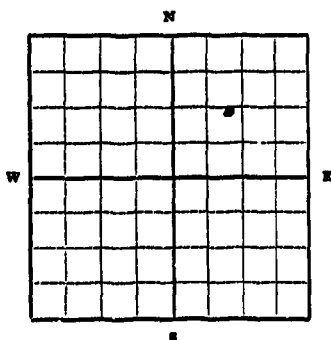
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

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

STATE ENGINEER

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



1/4 Sec. 2 T. 11 R. 50
NE
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 1935, Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3
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 Curved and piped to Tank

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 Surface (Spring)
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
10. The estimated amount of groundwater withdrawn each year 1,576,800 gals
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

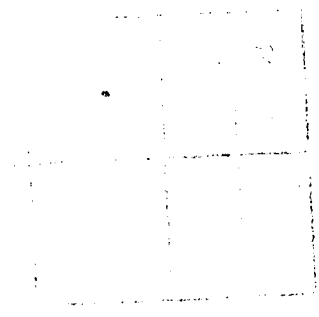
Lester Jens
Date Sept 17, 1962

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.

2125



SEP 5 1962
U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D.C.

SEP 5 1962
U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D.C.

SEP 5 1962
U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D.C.

FILED
SEP 5 1962
SEP 7 1962
FBI
FEB 22 1962
FBI

GW4

File No.

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

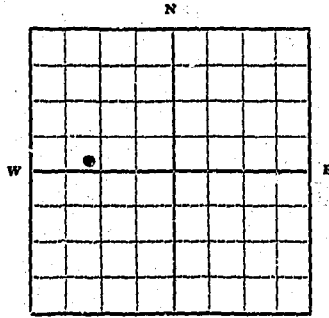
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

T. 11^N R. 50
County Prairie

RECEIVED
SEP 18 1962

STATE ENGINEER

1. Lester Jens, 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:



W.W. Sec. T3 R11 S0

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 Oct 27, 1948
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5
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 Flowing Well
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Oct 27, 1948 - Oct 30, 1948
8. The depth of water table 240 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 Hydrant - 240 Ft deep
10. The estimated amount of groundwater withdrawn each year 2,628,000
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

Date

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

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

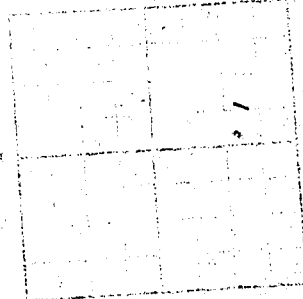
Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

2119

U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D.C. 20535

100-100000

100-100000



100-100000

100-100000

100-100000

100-100000

100-100000

83606

FILED
at 10:22 o'clock A.M.
SEP 17 1962
County Clerk
Deputy
Fee \$2.00

File No.

T. 11N R. 50E

DUPLICATE

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 16 1963

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

(Under Chapter 237 Montana Session Laws, 1961)

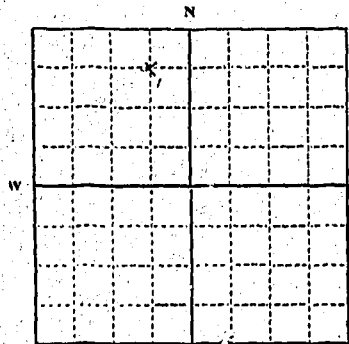
Date of Appropriation of Groundwater 1908Owner Nor. Pac. Ry. Co. Address St. Paul, Minn.

Contractor (if any)

Address of Contractor

Date Started Date Completed

Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. Spring, used since 1908.

NE 1/4 Sec. 5 T11N R. 50E

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. Spring flows
one gallon per minute, measured over a period
of time. Curbed and piped to tank.

Northern Pacific Railway Company

Signature of Owner By [Signature]

Dist. Supvr, Graz. & Cult.

Date

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

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

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

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

9389

85301

STATE ENGINEER

RECEIVED

FILED
DEC 12 1963
9:11 o'clock A.M.
County Clerk
Deputy
Fee 2.00 Pd

File No.

DUPLICATE

T. 11 N. R. 50 E.

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

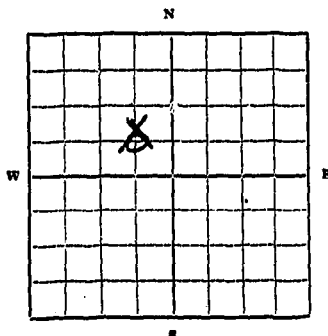
RECEIVED
FEB 18 1963

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

STATE ENGINEER

1. Bureau of Land Management of Box 969, Miles City
(Name of Appropriator) (Address) (Town)

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



SE 1/4 NW Sec. 4 T. 11 N. R. 50 E.

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1937 - continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 gal/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 - SE 1/4 NW Sec. 4

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1937

8. The depth of water table Not available

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 Not Available

10. The estimated amount of groundwater withdrawn each year 1,500,000 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.
This well is on Title III Bankhead-Jones Land.

District Manager

Stuart C. Johnson

Date 1-22-63

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 duplicate for the Appropriator.

3678

FILED
at 4:10 o'clock P.M.
FEB 15 1963
County Clerk
Fee 2.00 Deputy

File No. _____

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

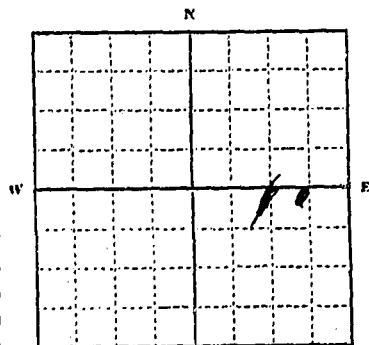
(Under Chapter 237, Montana Session Laws, 1961)

Owner: George Halfell Address: Terry, MontanaDriller: Ira C. Bond Address: Terry, MontanaDate of Notice of Appropriation of Groundwater: 11/14/64Date well started: 11/12/64 Date Completed: 11/15/64Type of well: Drilled Equipment Used: Cable & Rotary
(dug, driven, bored or drilled) (Churn, drill, rotary or other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☒

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 5/8	6" ID	0	41			
162"	4 and 3/4 inch hole					
179 feet	3 and 1/2 inch hole					
	2" pipe from surface to 382 feet					
	burned holes 5/16"					
	and				337	382

Top of Ground
3 feet black sandy loam
(Elev. above sea level _____)
20 feet yellow shale
6 quick sand
8 blue shale
2 feet of coal
35 feet gray shale
13 feet blue shale
14 gray sand stone
58 feet gray shale
4 feet hard rock
1 foot gray sand stone
51 feet blue shale
10 feet shale, sandy streaks
1/2 gal seep of water
95 feet blue shale
2 feet hard rock
38 feet water sand with streaks of shale
9 1/2 gal water
2 feet of blue shale
bottom of hole



NE 1/4 Sec. 4 T. 11. R. 50
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

382 feet
Show exact depth of bottom.

Static Water Level for non-flowing Well _____ feet.

Shut-in Pressure for Flowing Well _____

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

2895

86850

COMMISSIONER OF REVENUE
COUNTY OF WASHINGTON
DEPT. OF REVENUE
1000 1ST AVENUE
SEATTLE, WASH. 98101

FILED
at 4:20 o'clock P. M.
FEB 15 1965
Alvin J. Smith
County Clerk
Fee 2.00 Pd. Deputy

81923

6

T. 11 R. 50

County PrairieMONTANA BUREAU OF MINES AND GEOLOGY
Butte, MontanaRECEIVED
MAR 17 1961

WATER WELL LOG

STATE ENGINEER

Owner Mr. Lester Jans Address Tarry, Mont.Driller Henry I. Johnson Address Tarry, Mont.Date Started May 4, 1959 Date Completed May 5, 1959Location: Sec. 6 T. 11 R. 50 $\frac{1}{4}$ sec. SEType of well Drilled Equipment used Cable Tools
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐Industrial ☐ Drainage ☐ Other: _____Casing: 0 ft. to 38 ft. Type Std. Pipe Size 8 in. I.D.

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

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

Perforated or Screened: Ft. 25 to ft. 38 Ft. _____ to ft. _____Type of screen or perforations Holes and SlotsStatic Water level, for non-flowing well: 11 feet.

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

Pumping water level 21 feet at 10 gal. per min.How tested: PumpLength of test 5 hrs.

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

None

(over)

[illegible][illegible]

File No.

DUPLICATE

T. 11 N. R. 50

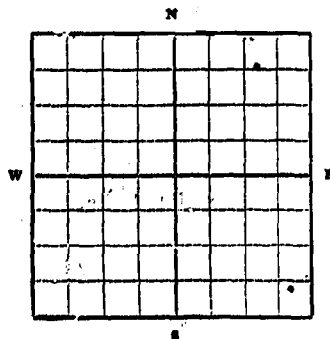
County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

RECEIVED
MAY 22 1962
STATE ENGINEER

1. Arthur O. Martin, of R.R. 2 Kerry
(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 1/4 SE. Sec. 8 T. 11 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
water for home and livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been May 1959 when has been continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 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 None

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

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

8. The depth of water table 30 foot of water sand 337 to 347

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
Depth of well is 371 feet

10. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner Arthur O. Martin

Date April 10, 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.