

T. 32 R. 19

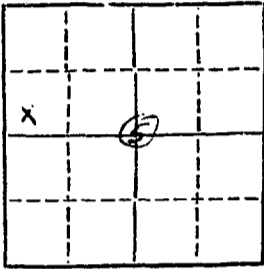
County Blaine

ERNEST O. LEE, DRILLING
1200 3RD STREET HAVRE

RECEIVED

WATER WELL LOG

STATE ENGINEER



Owner Harvey March Address Chinook, Montana

Driller Ernest O. Lee Address Havre, Montana

Date Started June 20, 1961 Date Completed July 2, 1961

Location: Sec. 5 T. 32 R. 19 1/4 sec. SW 1/4 NW 1/4

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

Water use: Domestic Municipal Stock Irrigation

Industrial Drainage Other: _____

Casing: 0 ft. to 121 ft. Type Spang-seamless Size 6 5/8"

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

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

Perforated or Screened: Ft. 110 to ft. 121 Ft. _____ to ft. _____

Type of screen or perforations 1/4 X 4" Perforations - 0-17

Static Water level, for non-flowing well: 95 feet.

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

Pumping water level 95 feet at 10 gal. per min.

How tested: Pump

Length of test 1 hour

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

Ernest O. Lee

(over)

T. 32 R. 19

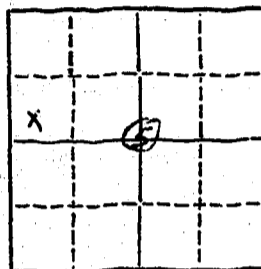
County Blaine

ERNEST O. LEE, DRILLING
1200 3RD STREET HAVRE

RECEIVED
AUG 25 1961

WATER WELL LOG

STATE ENGINEER



Owner Harvey Marsh Address Chinook, Montana

Driller Ernest O. Lee Address Havre, Montana

Date Started June 20, 1961 Date Completed July 2, 1961

Location: Sec. 5 T. 32 R. 19 1/4 sec. SW 1/4 NW 1/4

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

Water use: Domestic Municipal Stock Irrigation

Industrial Drainage Other:

Casing: 0 ft. to 121 ft. Type Spang-seamless Size 6 5/8"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 100 to ft. 121 Ft. to ft.

Type of screen or perforations 1/4 X 4" Perforations - off

Static Water level, for non-flowing well: 65 feet

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

Pumping water level: 85 feet at 10 gal. per min.

How tested: Pump

Length of test: 1 hour

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

Ernest O. Lee

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	35	Gravel and Rock
35	70	Blue Clay
70	74	Gravel
74	95	Grey Shale
95	112	Blue Shale
112	116	Gravel and Blue Shale
116	121	Gravel

FILED
 AUG 24 1961
 COUNTY RECORDER
 DEPUTY

File No.

T. 32 R. 19

DUPLICATE

County Blaine

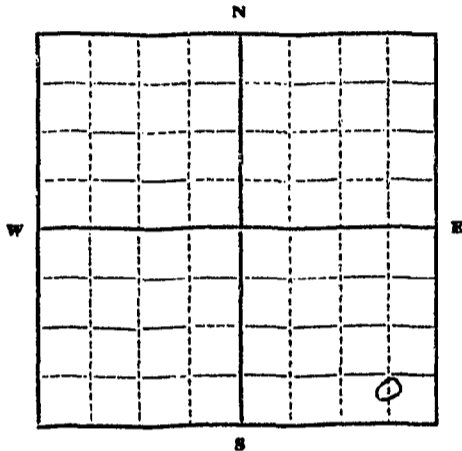
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 2 1963

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

1. Walter Wisch of Montana Chinook
(Name of Appropriator) (Address) (Town)

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



1/4 Sec. 6 T. R.

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

2. The beneficial use on which the claim is based. House and live stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1920

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 gallons

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

Garden

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1920

8. The depth of water table. 48 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.

10. The estimated amount of groundwater withdrawn each year. No idea

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. No other record

Signature of Owner Walter Wisch

Date July 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.

250009

STATE OF MONTANA
COUNTY OF BLAINE

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 1 DAY

OF Aug A. D. 1963

AT 10:45 O'CLOCK P. M.

Carol L. Thompson
COUNTY CLERK

Esther Sheets
DEPUTY

TR 2

File No.
DUPLICATE

T. 32 N. Rge. 19 E. M. 3

County, Blaine

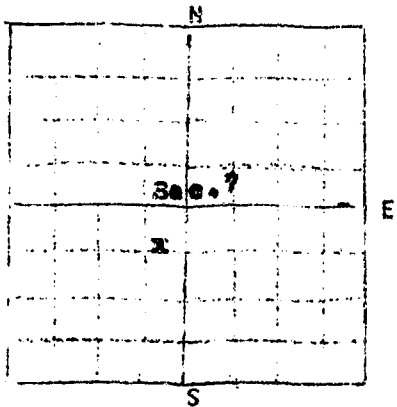
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

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

John Leo Casell & Florence Mae Casell, J.T. Chinook,
(Name of Appropriator) (Address) (Town)

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



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.....
1961
continuous

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

Sec. 7, T. 32 N., R. 19 E., M. 3.
indicate point of appropriation
and place of use, if possible.
Each small square represents 5
acres.

The means of withdrawing such water from the ground and
the location of each well or other means of withdrawal
Hand pump Well located in N.E. corner of
NE 1/4 Sec. 7, T. 32 N., R. 19 E., M. 3.

The date of commencement and completion of the construction of the well, wells, or
other works for withdrawal of groundwater..... 1961

The depth of water table..... 10 ft. below surface

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.....
Steel and wooden casing, 4 ft. x 4 ft., depth 15 ft.

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

The log of formation encountered in the drilling of each well if available.....
3 ft. loam topsoil, 10 ft. sand and gravel below.

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 John Leo Casell

Date December 30, 1963

STATE OF MONTANA)
County of Blaine) ss.

John Leo Casell & Florence Mae Casell, J.T. having first been duly sworn, depose... and say
that he is of lawful age and... the appropriator... and claimant... of the
order and water right mentioned in the foregoing declaration of vested groundwater
rights and the person... whose name... subscribed thereto, as the appropriator... and
claimant... that he... know... the contents of said foregoing notice and that the
matters and things therein stated are true.

252009
252009

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 30 DAY

OF December A.D. 1963

AT 1:55 O'CLOCK P.M.

Caro R. Morgan
COUNTY CLERK

Esther Heist
DEPUTY

File No.

T. 32 N R. 19 E

TRIPLICATE

County Chaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Oct. 8, 1962

Notice of Completion of Groundwater
Appropriation by Means of Well ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Owner Montgomery Address Chenoweth

Driller Ward Drilling Address Chenoweth

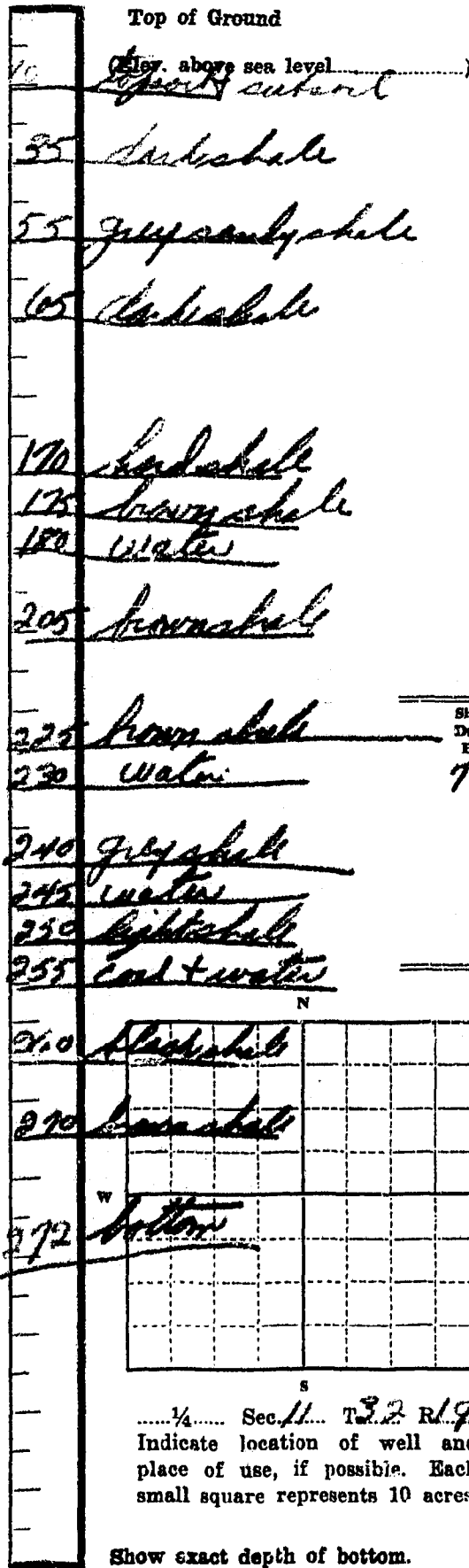
Date of Notice of Appropriation of Groundwater.....

Date well started 9/17/62 Date Completed 10/1/62

Type of well drilled Equipment Used Churnwell
(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)
7"	6 5/8"	+2	0	1/2"	175	185
	6 5/8"	0	272	1/2"	225	265

Static Water Level for non-flowing Well 80 feet.

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

Pumping Water Level 267 feet at 3 1/2 gal. per minute.

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

How Tested ailer Length of Test 1 1/2 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) no

packer put in at 30 feet

31
Driller's License Number

Robert Warburton
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.

2198

No. 246853

STATE OF MONTANA
County of Blaine
FILED FOR RECORD THIS 5 DAY
OF October A. D. 19 62
AT 3.45 O'CLOCK P. M.
A. H. Dorn
COUNTY CLERK
2.00 DEPUTY

File No.

RECEIVED
SEP 17 1965

T. R.

DUPLICATE

County Blaine

LOG REFERRED TO _____
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Delora Mitchell Estate Address Chenoweth

Driller Leuter Wabnitz Address 1

Date of Notice of appropriation of groundwater 6-1-65

Date well started 6-20-65 Date completed 7-1-65

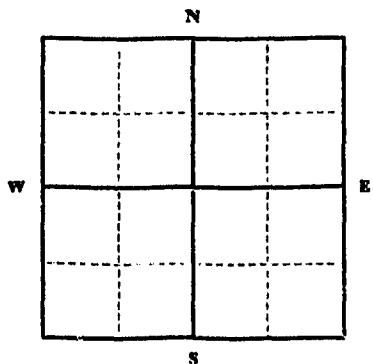
Type of well drilled Equipment used _____
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

0	Top of Ground
	(Elev. above sea level _____)
4	soil
16	sand + gravel
38	brown shale
65	grey shale
78	brown shale
85	grey sandstone
120	grey sandy shale
127	brown shale
147	grey sandstone
153	brown shale
188	grey shale
196	grey sandstone + water
209	layers of brown shale + sandstone
235	grey sandstone + water
297	brown shale
297	bottom

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8 5/8	8 5/8 x 25'	+ 1	0			
8 5/8	8 5/8 x 25'	0	21			
6 5/8	6 5/8 x 13'	2	0			
6 5/8	6 5/8 x 13'	0	148			
5 1/2	5 1/2 x 15'					



Static Water Level for non-flowing well 125 feet.
Shut-in Pressure for Flowing Well _____
Pumping Water Level at 235 feet
at 1 gal. per minute.
Discharge in gal. per min. of flowing well _____

How Tested fail
Length of Test 2 hrs

2 1/4 NE 1/4 Sec. 12 T. 22 R. 19
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Remarks: (Gravel packing, cementing, packers, type of shutoff) sand + gravel shut off by 8 5/8" casing casing rock shut off at 188 feet with 6 5/8"

(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.

31
Driller's License Number
Leuter Wabnitz
Driller's Signature

34578

256875

RECORDED
OCT 11 1965
BLAINE
COUNTY CLERK

RECORDED 107

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 15 DAY

OF September A. D. 19 65

AT 2:06 O'CLOCK P. M.

Caro A. Muesow
COUNTY CLERK

DEPUTY
FEE 2.00

File No.

STATE WATER CONSERVATION BOARD

T. R.

DUPLICATE

R E C E I V E D
SEP 17 1965

County Blaine

I.O.G.

REFERRED TO

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

0	Top of Ground
6	cut (Elev. above sea level.....)
17	quartzite & water
37	grey shale
53	grey sandy shale
55	hard rock
99	various colored shale
102	hard rock
170	various colored shale
180	sandstone & water
184	brown shale
186	hard rock
194	brown shale
194	bottom

Owner Delmar Mitchell Estate Address Chenoweth

Driller Leslie W. Wabata Address

Date of Notice of appropriation of groundwater July 1, 1965

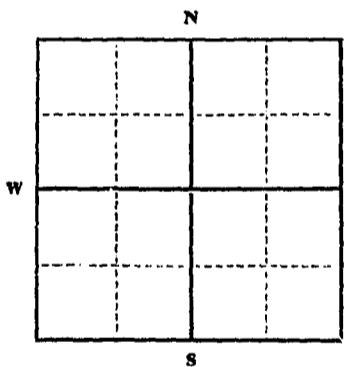
Date well started July 25 Date completed Aug 1

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
9"	8 5/8 x 25	0	22			
	6 5/8 x 13	1	0			
7 5/8"	6 5/8 x 13	0	194	1/4 x 2"	165	185



Static Water Level for non-flowing well feet.

Shut-in Pressure for Flowing Well 110 feet.

Pumping Water Level feet at 15 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested ✓

Length of Test 3 hrs

Remarks: (Gravel packing, cementing, packers, type of shutoff) 8" driven spot into hard shale to shut off quartzite & water at top of hole.

SE 1/4 NE 4 Sec. 12 T. 32 R. 19
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).

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.

Driller's License Number 31

Driller's Signature Leslie W. Wabata

39599

256874

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 15 DAY
OF September A. D. 1965
AT 2:05 O'CLOCK P. M.

Core L. Muegner
COUNTY CLERK

VER 200 DEPUTY

RECEIVED
SEP 13 1965
BLAINE

RECORDED TO

Vertical text on the left side of the page, possibly a date or reference number, partially obscured and difficult to read.

File No.
DUPLICATE

52 19
T 22. N. E. 18. S. 22. W. 1. S. 1. E.

County, Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

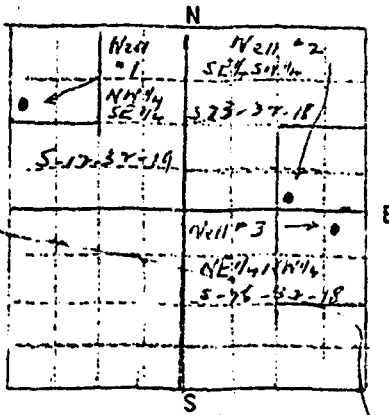
RECEIVED
JAN 6 1964

23
20
12

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1951)

John J. Lux, of Chinook,
(Name of Appropriator) (Address) (Town)

County of Blaine State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1952, as follows:



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..1911,.....
.....CONTINUOUS USE.....

4. The amount of groundwater claimed (in miner's inches
or gallons per minute) Well #1, 1000 gpm; Well #2, 2 gal per minute; Well #3, 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.....

1/4 Sec. T. R.
indicate point of appropriation
and place of use, if possible.
Each small square represents 1/4
acres.

1. The means of withdrawing such water from the ground and
the location of each well or other means of withdrawal
NW 1/4 S. 18-50 Well #1, 2" lift pump, with electric motor;
SE 1/4 S. 23-52-18 Well #2, 1/2" lift pump, with windmill;
NE 1/4 S. 26-52-18 Well #3 1" rotary pump, with electric motor.

2. The date of commencement and completion of the construction of the well, wells, or
other works for withdrawal of groundwater from 1911 to 1955.....

3. The depth of water table Well #1, 11 ft. Well #2, 150 ft. Well #3, 18 ft.

4. So far as it may be available, the type, size and depth of each well or the general
specifications of any other works for the withdrawal of groundwater.....
Well #1, drilled, 6" steel casing, 43 ft.
Well #2, drilled, 6" steel casing, 130 ft.
Well #3, dug, rock sucking, 18 ft.

5. The estimated amount of groundwater withdrawn each year Well #1, 100,000 gal.
Well #2, 50,000 gal. Well #3, 10,000 gal.

6. The log of formation encountered in the drilling of each well if available.....

7. 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.....

STATE OF MONTANA
County of Blaine ss.

Date Dec. 31, 1962

John J. Lux, having first been duly sworn, deposes and says
that he, of lawful age and is the appropriator 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 appropriator and
claimant, that he knows the contents of said foregoing notice and that the
matters and things therein stated are true.

2117

252073
252073

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 31 DAY
OF December A. D. 1953
AT 10:25 O'CLOCK A. M.

Carroll E. ...
COUNTY CLERK

Catherine ...
DEPUTY

FSE 31

GW3

File No.

DUPLICATE

T. 32 R. 19E

County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 10 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Spring - 1904

Owner William F. Powers Address Blaine, Mont

Contractor (if any) RESERVOIR - WILLIS MORRIS

Address of Contractor CH. HOOK MONT

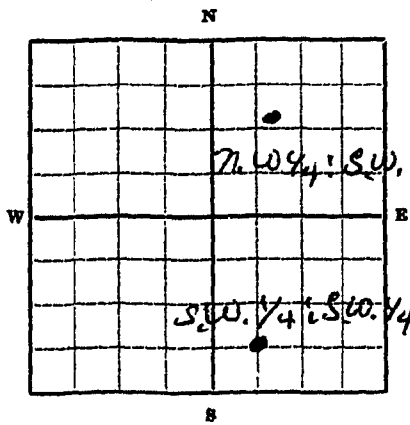
Date Started Aug 20, 1951 Date Completed Aug 30, 1951

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. RESERVOIR IS IN NW 1/4 SW 1/4

SEC 15 - T32N R19E

NATURAL SPRING IS IN SW 1/4 SW 1/4

SEC 22 - T32N R19E



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 RESERVOIR

..... 1/4 Sec..... T. 32 R. 19E HAS BEEN USED FOR STOCK WATER SINCE

Indicate point of appropriation and place of use, if possible. SPRING OF 1904 - MAXIMUM DEPTH 25 FEET

NATURAL SPRING USED FOR STOCK WATER DURING EARLY SPRING AND LATE FALL SINCE 1904. WATER EXTENDS FROM 600 TO 700 FEET FROM SOURCE.

Signature of Owner William F. Powers

Date Dec. 9, 1963

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

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

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

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

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 9 DAY
OF Dec A. D. 1963
AT 2:15 O'CLOCK P.M.
Caro L. Mangum
COUNTY CLERK
Esther Sheet
DEPUTY
FEB 2

GW 2

STATE WATER CONSERVATION BOARD

File No.

T 32 R 19

JUL 12 1967

County Blaine

DUPLICATE

Billings Donnott STATE OF MONTANA
Butte Sullivan ADMINISTRATOR OF GROUNDWATER CODE
Coeur d'Alene Sullivan OFFICE OF STATE ENGINEER
Helena Sullivan
Missoula Sullivan
Pickart Sullivan

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner John Balazic Address Chinook Mont

Driller Lester Warkentin Address " "

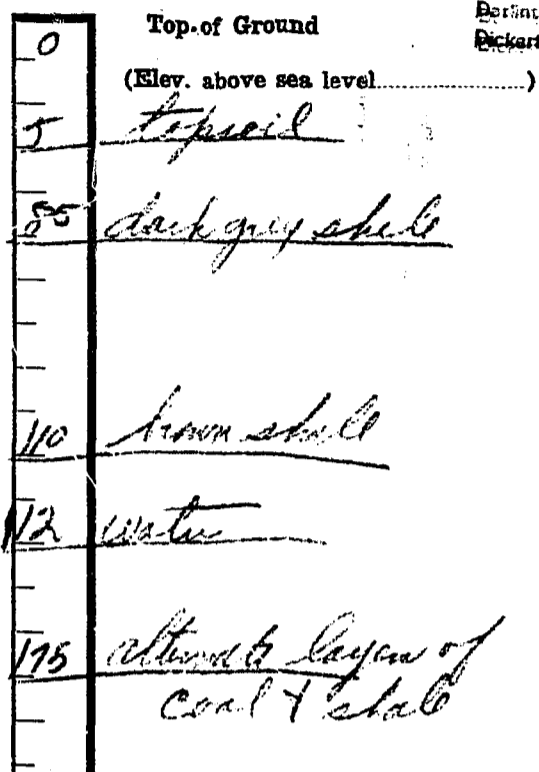
Date of Notice of Appropriation of Groundwater 3-1-66

Date well started 6-1-67 Date Completed 6-10-67

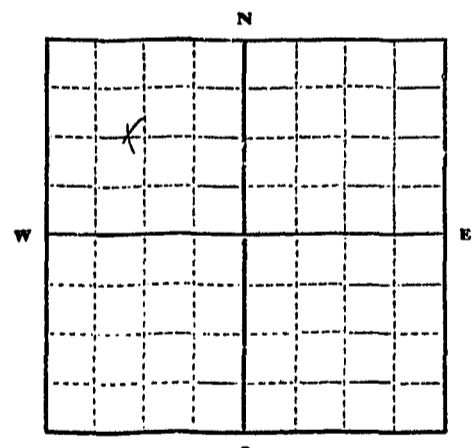
Type of well drilled Equipment Used Churn Drill
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

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)
9"	8 5/8 x 26	0	14			
7 3/4	6 5/8 x 13	0	228	1/4 x 2	115	120
					220	225



North (NW) Sec. 1, Co. T 32 R 19
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 20 feet.

Shut-in Pressure for Flowing Well ✓

Pumping Water Level 225 feet at 1 1/2 gal. per minute.

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

How Tested water Length of Test 2 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) the well holds about 400 gals of water in storage

31
Driller's License Number

Lester Warkentin
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.

42,131

260202

STATE OF MONTANA
County of Blaine

Filed for record this 11 Day

of July A. D. 19 67

At 9:45 O'Clock A. M.

Cora J. Munnick

County Clerk

Esther D. Huts

Deputy

20

21

File No.

T. 32 R. 10 E

DUPLICATE

County Blaine

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)

DEC 10 1963

0	Top of Ground (Elev. above sea level.....)
15	soil + sand
20	gravel
25	green shale
30	sandstone + water
35	sandy shale + water
40	green sandy shale + water
59	soft sandstone + water
59	bottom

Owner William Daves Address Chinook

Driller Lester Warburton Address

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

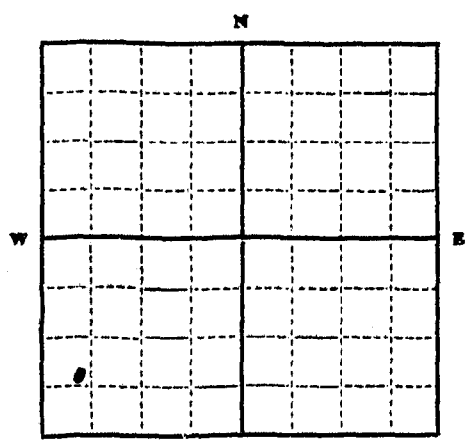
Date well started 11-29-63 Date Completed 11-30-63

Type of well drilled Equipment Used Churn drill
(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)
8 5/8	8 5/8 x 20	2	0			
8 5/8	8 5/8 x 20	2	2 1/2	7 1/2		
7 1/2	6 5/8 x 13 1/2	2	0			
7 1/2	6 5/8 x 13 1/2	0	59	1 1/2	35	59



SE 1/4, NW 1/4 Sec. 21, T. 32 R. 10 E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well..... 8 feet.

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

Pumping Water Level..... 35 feet at 50 gal. per minute.

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

How Tested water Length of Test 2 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) 8" casing
lift in to seal water from gravel at
20 ft. Small amount of water at 25
feet and increasing as well was drilled
deeper.

31
Driller's License Number

Lester Warburton
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.

8295

251446

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 5 DAY

OF December A. D. 1963

AT 1:50 O'CLOCK P. M.

Cora L. Musgrave
COUNTY CLERK

BY 2⁰⁰

DEPUTY

File No.

T. 32 R. 19 E

DUPLICATE

County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

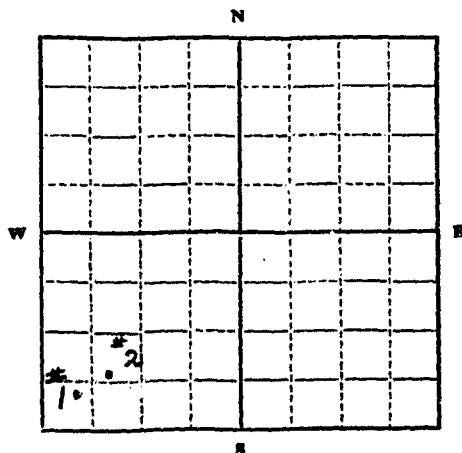
RECEIVED
DEC 10 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. William F. Bowes of Chinook
(Name of Appropriator) (Address) (Town)
County of Blaine State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 21 T. 32 R. 19 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. HOUSE WELL #1
AND STOCK WELL #2

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. #1 - 1950 - CONTINUOUS
#2 - 1914 - CONTINUOUS

4. The amount of groundwater claimed (in miner's inches or gallons per minute). #1 - 2000 GALLONS PER MONTH
#2 - WELL WATER FOR FEED OF LIVESTOCK

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.
#1 LAWN & GARDEN
#2 NOT

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
#1 - PRESSURE PUMP
#2 - CYLINDER IN WELL - 4" X 14"

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. #1 MAY 1950
#2 SEPT 1914

8. The depth of water table. #1 - 10 FT #2 - 8 FT

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. #1 DUG WELL - 4 FT CASING - 13 FT DEEP
#2 - 2 FT CASING 20 FT DEEP

10. The estimated amount of groundwater withdrawn each year. SEE NUMBER 4 ABOVE

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 William F. Bowes

Date 12 - 9 - 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.

8293

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 9 DAY

OF Dec A. D. 1963

AT 2:15 O'CLOCK P. M.

Carla L. Mangum
COUNTY CLERK

Esther Shurt
DEPUTY

PKR 202

Form No. 18
8-60

T. 32 R. 19

County Blaine

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

STATE ENGINEER

Water Well Log

Owner Maurice Powell Address Chinook, Mont

Driller Same Address _____

Date Started Sept 15- 1961 Date Completed Sept, 25

Location: Sec. 23 T. 32 R. 19 $\frac{1}{4}$ sec. Sw 1/4

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: 2 ft. to 20 ft. Type iron Size 6 1/2

Casing: 20 ft. to 100 ft. Type " Size 6

Casing: 100 ft. to 145 ft. Type " Size 5

Perforated or screened: Ft. 136 to ft. 146. Ft. _____ to ft. _____

Type of screen or perforations 1/4" holes

Static water level, for non-flowing well: 125 ft feet.

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

Pumping water level 140 feet at 1 1/2 gal. per min.

How tested: Pumped with eylender pump

Length of test 1 hr pumped 90 gal

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

Packer set at 120 ft - 15 cement above packer

Packer set at 20 ft - Hole filled with cement outside 6 1/2" casing

(over)

GWS

File No.....

DUPLICATE

T. 32 R. 19 24

County Blaine

RECEIVED
FEB 14 1954

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1951)

Date of Appropriation of Groundwater 1947

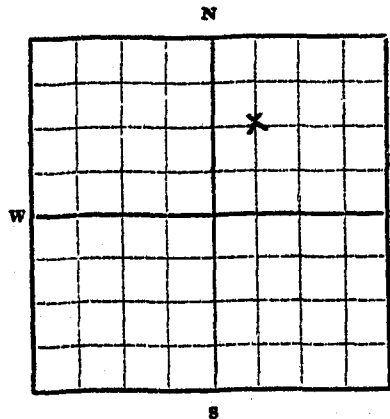
Owner CAROLYN VOJT Address Chinook Mont

Contractor (if any)

Address of Contractor

Date Started JUNE, 1947 Date Completed JUNE, 1947

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



T. 32 R. 19 Sec. 24
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

SUMMER MONTH
PIT size - 30 x 75 x 5' deep

Signature of Owner [Signature]

Date JUNE 20, 1963

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

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

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

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

Eng

249648

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 20 DAY
OF June A. D. 1963

AT 10:00 O'CLOCK P. M.

Carl L. Mansport
COUNTY CLERK

Esther Shatt
DEPUTY

T. 32 R. 19
County Blaine

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner MARVIN E. WELLS Address CHANDLER, MONT
Driller A. C. SIMPSON Address NALTA, MONT
Date Started JUNE 1, 1957 Date Completed JULY 14, 1957
Location: Sec. 26 T. 32 R. 19 1/4 sec. 22 1/2 22 1/2

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

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

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

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

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

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

Type of screen or perforations _____

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

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

Pumping water level: _____ feet at _____ gal. per min.

How tested: BAUER

Length of test: _____

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

(over)

RECEIVED
JUL 11 1957

T 32 R 19 26
County Blaine

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner MAURICE POWELL Address CHINOOK, MONT
Driller R.C. SIMPSON Address MALFA MONT
Date Started JUNE 4, 1957 Date Completed JULY 10, 1957
Location: Sec. 26 T. 32 R. 19 1/4 sec. 24 26 24

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

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

Casing: 0 ft. to 280 ft. Type SCREW JOINT Size 4 INCH

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

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

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

Type of screen or perforations DRILLED 2 1/2 HOLES

Static Water level, for non-flowing well: 240 FEET feet.

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

Pumping water level 350 feet at 10 gal. per min.

How tested: BALLER

Length of test: 2 HRS

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
1	15	SAND SILT
15	44	CLAY SAND
44	54	YELLOW SANDSTONE
54	70	BROWN SAND
70	70	BLUE SAND
70	78	BLUE SHALE
78	78 1/2	ROCK
78 1/2	114	BROWN SANDY SHALE
114	115	ROCK
115	209	GREY SHALE
209	211	ROCK
211	309	DARK GREY SHALE
309	310	ROCK
310	329	DARK SHALE
329	430	ROCK
430	440	DARK SHALE
440	477	SAND
477	530	ROCK
530	532	DARK SHALE
532	507	DARK SANDY SHALE
507	610	DARK SHALE
610	615	DARK SHALE
615	725	DARK SHALE
725	727	ROCK LAYER
727	737	SANDSTONE
737	747	GREY SANDY SHALE
747	750	SANDSTONE
750	750	GREY SANDY SHALE
750	760	SANDSTONE
760	770	DARK GREY SHALE
770	770	SHALE
770	770	ROCK
770	786	SANDY SANDY SHALE
786	790	SANDSTONE
790	770	GREY SHALE

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	15	SAND - CLAY - LOAM ROCK
15	48	BROWN SAND
48	54	YELLOW SANDSTONE
54	70	GREEN SAND
70	80	BLUE SAND
80	78	BLUE SHALE
78	78 1/2	ROCK
78 1/2	114	GREY SANDY SHALE
114	115	ROCK
115	209	GREY SHALE
209	211	ROCK
211	309	DARK GREY SHALE
309	310	ROCK
310	329	DARK SHALE
329	330	ROCK
330	340	DARK SHALE
340	378	SAME
378	380	ROCK
380	502	DARK SHALE
502	507	HARD ROCK LAYER
507	610	DARK SHALE
610	625	SANDSTONE
625	723	DARK SHALE
723	727	ROCK LAYER
727	790	SANDSTONE
790	790	GREY SANDY SHALE
790	800	SANDSTONE
800	860	GREY SANDY SHALE
860	870	SANDSTONE
870	88	ROCK
88	152	ROCK
152	156	SANDY GREY SHALE
156	170	SANDSTONE
170	220	GREY SHALE

RECEIVED

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 32N R. 19E S. 27
County: Blaine

WATER WELL LOG

Owner: Ole Moe Address: Chinook Mont.
 Driller: R. C. Simpson Address: Malta Mont.
 Date Started: Feb 28, 1958 Date Completed: April 14, 1958
 Location: Sec. _____ T. _____ R. _____ 1/4 sec. _____

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 198 ft. Type: screw joint Size: 6 inch C.P.
 Casing: 198 ft. to 310 ft. Type: screw joint Size: 4 1/2 C.P.
 Casing: 310 ft. to _____ ft. Type: _____ Size: _____

Perforated or Screened: Ft. 266 to ft. 298 Ft. _____ to ft. _____

Type of screen or perforations: drilled 1/4" holes

Static Water level, for non-flowing well: 6 feet.

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

Pumping water level: 36 feet at 18 gal. per min.

How tested: bailer

Length of test: 1 1/2 hours

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
packers at 26-265 and at 185-190.-

(over)

File No. _____

T. 32 R. 19 ^{News, Malta} 28

DUPLICATE

County Blaine

STATE OF MONTANA **RECEIVED**
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER MAR 7 1963

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Harry O Connor Address Chinook Mont

Driller Simpson Drilling Co. Address Malta, Mont

Date of Notice of appropriation of ground water _____

Date well started Nov. 6 1962 Date Completed Nov. 12 1962

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

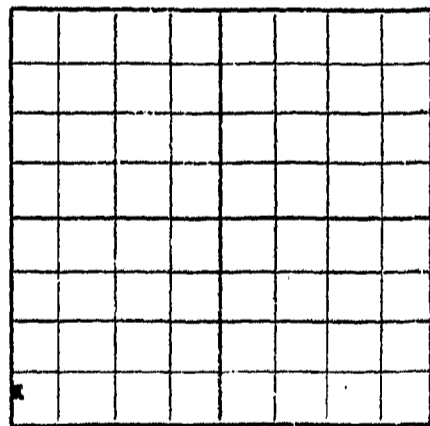
Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Top of Ground
(Elev. above sea level _____)

7 top soil
38 brown Clay
49 grey shale
50 shell
56 sandy shale
66 shell
76 sandstone

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7	6" 19lbs	0	76	3/16	66	76



SW 1/4 Sec 28 T32 R19
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing well 33 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 60 feet

at 15 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested bailer

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) _____

15
Driller's License Number

Pushing Jacobs
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 Appropriator.

3830

No. 248334

STATE OF MONTANA
County of Blaine
FILED FOR RECORD THIS 6 DAY
OF March A. D. 19 63
AT 10.00 O'CLOCK A. M.
Cora L. Musgrove
COUNTY CLERK
DEPUTY
FEE 2.00

File No.

T. 32 N R. 19 E

DUPLICATE

County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUN 24 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Don Stacher Address Chinook

Driller Leslie Wabuta Address Chinook

Date of Notice of Appropriation of Groundwater 5-1-63

Date well started 5-15-63 Date Completed 6-5-63

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

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

2 top soil

15 hard grey shale

25 brown shale

60 cal shale

100 grey shale

105 hard rock

125 grey shale

140 brown shale

175 grey shale

200 brown shale

215 grey shale

220 brown shale

235 grey shale

240 hard rock

285 grey shale

300 sandstone (gr)

315 sandy shale

325 grey shale

330 brown sandy shale

340 grey sandstone + water

365 bottom

Sec. 1/4 Sec. 29 T. 32 R. 19

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

Show exact depth of bottom.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
	<u>6 5/8" x 13"</u>	<u>+3</u>	<u>0</u>			
<u>7"</u>	<u>6 5/8" x 13"</u>	<u>0</u>	<u>565</u>	<u>1/4" x 2"</u>	<u>268</u>	<u>272</u>
				<u>1/4" x 2"</u>	<u>290</u>	<u>295</u>
				<u>1/4" x 2"</u>	<u>330</u>	<u>360</u>

Static Water Level for non-flowing Well 110 feet.

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

Pumping Water Level 275 feet at 10 gal. per minute.

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

How Tested side Length of Test 2 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) Rope packer

used at 90 ft. Small amounts of water at 268-272 and 290-295

31
Driller's License Number

Leslie Wabuta
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.

249652

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 21 DAY

OF June A. D. 1963

AT 9:00 O'CLOCK P. M.

Carla L. Munger
COUNTY CLERK

Cather Sheets
DEPUTY

FEE 2.00

File No.

T. 32 N 19 E

DUPLICATE

County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUN 24 1963

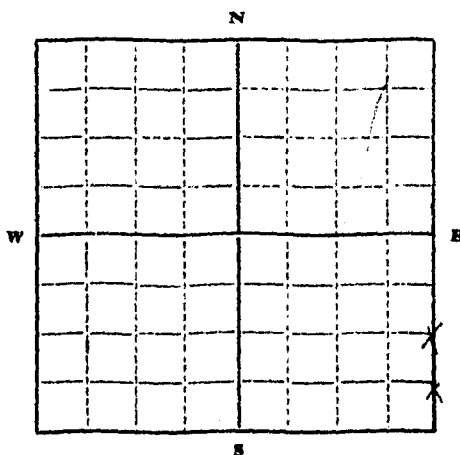
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Donald D. Starcher, of Chinook
(Name of Appropriator) (Address) (Town)

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



SE 1/4 Sec. 30 T. 32 R. 19

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1946
1925

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1946 - 1925

8. The depth of water table. 38 ft 20 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 40 ft. blue steel casing 4 ft. wood curbing

10. The estimated amount of groundwater withdrawn each year. 6000 - 3000

11. The log of formations encountered in the drilling of each well if available. Shale - sand & silt

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 Donald D. Starcher

Date 6-21-63

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.

24 9653

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 21 DAY

OF June A. D. 1962

AT 9:00 O'CLOCK A. M.

Car R. Maguire
COUNTY CLERK

E. J. Sheets
DEPUTY

FEB 2 1962

31

T. 32 R. 19

County Blaine

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

			X

Owner ADJUST SULLER Address CAT ROCK MONTANA

Driller SIMPSON DRILLING CO. Address HAYLE, MONTANA

1607 MAPLE BLVD HAYLE, MONTANA

Date Started 11/1/61 Date Completed 11/15/61

Location: Sec. 31 T. 32 R. 19 1/4 sec. NE 1/4 NE 1/4

Type of well DRILLED Equipment used CASE TOOL
(Dug, driven, bored, or drilled) (Cable tool, auger, rotary, other)

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

Casing: 0 ft. to 235 ft. Type 1 1/2" Size 6"

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

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

Perforated or Screened: Ft. 65 to ft. 75 Ft. 225 to ft. 235

Type of screen or perforations 3/16" mesh

Static Water level, for non-flowing well: 19 feet.

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

Pumping water level: 235 feet at 4 gal. per min.

How tested: BAUER 2

Length of test: 2 HOURS

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

(over)

GW

File No.

T 32N R 19E ³⁶

DUPLICATE

County Blaine

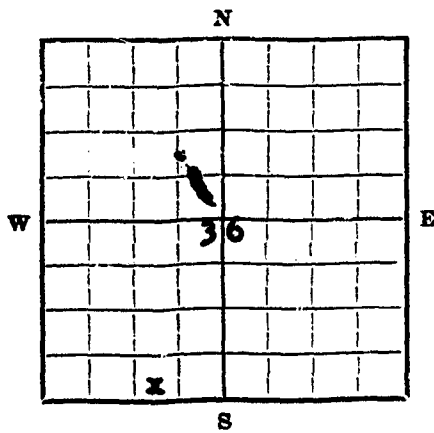
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 6 - 1961

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

STATE ENGINEER

1. TEXACO Inc., of 1236 No. 28th St., Billings
(Name of Appropriator) (Address) (Town)
County of Yellowstone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4, SE 1/4, SW 1/4 Sec. 36 T32NR19E

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 Injected fluid into Sawtooth formation in a secondary recovery project.
- 3. Date of approximate date of earliest beneficial use; and how continuous the use has been Beginning 5-23-61 and continuously thereafter to the present.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) Approx. 300 GPM (or enough to conduct the project)
- 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 Downhole pump operated by sucker rods and surface equipment. State "C" #2 located SW-SE-SW Sec. 36, T32N, R19E.

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced 5-8-61, completed 5-15-61.
- 8. The depth of water table 2885'
- 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 In 1953 this well was drilled to a depth of 3371' KB. All horizons down to 3279' were cased off and the well was produced through open hole as an oil well until April, 1961, when a bridge plug was set at 2955' and the interval 2890-2955' was perforated for water supply
- 10. The estimated amount of groundwater withdrawn each year 3,650,000 bbls.
- 11. The log of formations encountered in the drilling of each well if available Electric log attached.
- 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 Texaco Inc
Ray to R. Kersh
Date 7/2/62

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.

4930

249752

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 3 DAY
OF July A. D. 1963
AT 8:30 O'CLOCK A. M.

Carl D. Maguire
COUNTY CLERK

Ester Sauts
DEPUTY

FEE 2.00

STATE ENGINEER

RECEIVED

JUL 3 1963

COUNTY ENGINEER

JUL 3 1963

0

File No.
DUPLICATE

T. 32 ... 20

County... **Blaine**

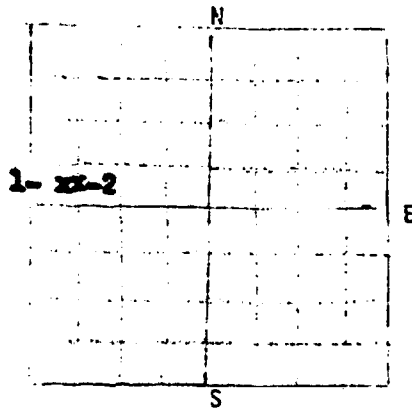
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1951)

W. Glenn McCreary of **Chinook**
(Name of Appropriator) (Address) (Town)

County of... **Blaine** State of... **Montana**
have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1952, as follows:



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

3. Date or approximate date of earliest beneficial use,
and how continuous the use has been.....
Fall # 1 - 1933
Fall # 2 - 1933 **Both continuous use**

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

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

Sec. 1, T. 32, R. 20
Indicate point of appropriation
and place of use, if possible.
Each small square represents 5
acres.

.....
.....
.....

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

#1 Pipe extending flooding well
#2 electric pump

The date of commencement and completion of the construction of the well, wells, or
other works for withdrawal of groundwater.....
1933 both wells

The depth of water table. **#1 - 156 feet #2 14 feet deep**

So far as it may be available, the type, size and depth of each well or the general
specifications of any other works for the withdrawal of groundwater.....
#1 steel tubing 2000 ft #2 steel tubing 1000 ft
6 inch

The estimated amount of groundwater withdrawn each year. **continuous use**

The log of formation encountered in the drilling of each well if available.....
#1 - not available
#2 - not available

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 **Glenn W. McCreary**

STATE OF MONTANA)
County of **Blaine**) ss.
Glenn W. McCreary

Date... **December 21, 1961**

..... having first been duly sworn, depose... and say
that ..he... of lawful age and..... the appropriator... and claimant... of the
order and water right mentioned in the foregoing declaration of vested groundwater
rights and the person... whose name... subscribed thereto, as the appropriator... and
claimant..., that ..he ... know... the contents of said foregoing notice and that the
matters and things therein stated are true.

21902

252059
252059
STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 31 DAY
OF December A. D. 1963
AT 8:15 O'CLOCK A. M.
Cora K. Magnus COUNTY CLERK
Cathy Sheets DEPUTY
PKR 2

RECEIVED

JUL 3 1972

County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

DRILLER'S LOG

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Max Nelson & Sons

Address Church St

Date well started 5-20-72

completed 6-2-72

Type of well Drilled & driven

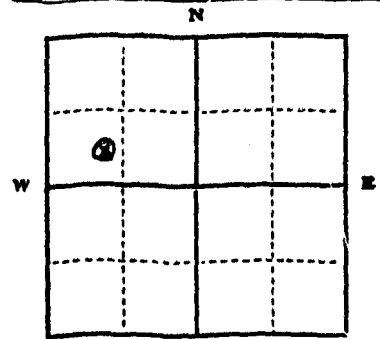
Equipment used Churn drill

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)
6 3/8"	10 1/2"	0	84			
6"	5 1/2"	0	147			



SW 1/4 NW 1/4 Sec. 1
T. 32 N. R. 30 E.

Static water level 10 ft.*
Pumping water level 15.0 ft.*
at 40 gallons per minute,
measured 2 minutes after pumping began.
*Measured from ground level.
Well developed by backing
for 2 hours.
Power 1/2 HP Pump 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) well
completed at 147 and
above to about 11
to by water.

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

Driller's Signature Justin W. ...

Driller's Address Church St

LICENSE NO. 31

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	5	topsoil
5	25	alluvial sand
25	30	fine sand
30	40	light gray shale
40	45	clay
45	55	light gray shale
55	65	light gray shale
65	75	light gray shale
75	85	light gray shale
85	95	light gray shale
95	105	light gray shale
105	115	light gray shale
115	125	light gray shale
125	135	light gray shale
135	145	light gray shale
145	155	light gray shale
155	165	light gray shale
165	175	light gray shale
175	185	light gray shale
185	195	light gray shale
195	205	light gray shale
205	215	light gray shale
215	225	light gray shale
225	235	light gray shale
235	245	light gray shale
245	255	light gray shale
255	265	light gray shale
265	275	light gray shale
275	285	light gray shale
285	295	light gray shale
295	305	light gray shale
305	315	light gray shale
315	325	light gray shale
325	335	light gray shale
335	345	light gray shale
345	355	light gray shale
355	365	light gray shale
365	375	light gray shale
375	385	light gray shale
385	395	light gray shale
395	405	light gray shale
405	415	light gray shale
415	425	light gray shale
425	435	light gray shale
435	445	light gray shale
445	455	light gray shale
455	465	light gray shale
465	475	light gray shale
475	485	light gray shale
485	495	light gray shale
495	505	light gray shale
505	515	light gray shale
515	525	light gray shale
525	535	light gray shale
535	545	light gray shale
545	555	light gray shale
555	565	light gray shale
565	575	light gray shale
575	585	light gray shale
585	595	light gray shale
595	605	light gray shale
605	615	light gray shale
615	625	light gray shale
625	635	light gray shale
635	645	light gray shale
645	655	light gray shale
655	665	light gray shale
665	675	light gray shale
675	685	light gray shale
685	695	light gray shale
695	705	light gray shale
705	715	light gray shale
715	725	light gray shale
725	735	light gray shale
735	745	light gray shale
745	755	light gray shale
755	765	light gray shale
765	775	light gray shale
775	785	light gray shale
785	795	light gray shale
795	805	light gray shale
805	815	light gray shale
815	825	light gray shale
825	835	light gray shale
835	845	light gray shale
845	855	light gray shale
855	865	light gray shale
865	875	light gray shale
875	885	light gray shale
885	895	light gray shale
895	905	light gray shale
905	915	light gray shale
915	925	light gray shale
925	935	light gray shale
935	945	light gray shale
945	955	light gray shale
955	965	light gray shale
965	975	light gray shale
975	985	light gray shale
985	995	light gray shale
995	1005	light gray shale

105 Show exact depth of bottom

50,790

#269452

STATE OF MONTANA
County of Blaine

Filed for record this 29 July
of June A. D. 1972
At 4:15 P. M.

Richard Helmick County Clerk
Deputy

Fee _____

File No.

DUPLICATE

RECEIVED
NOV 28 1962

T. 32 N 20 E

County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Otto Friede Address Chinook

Driller Waubesa Drilling Address Chinook

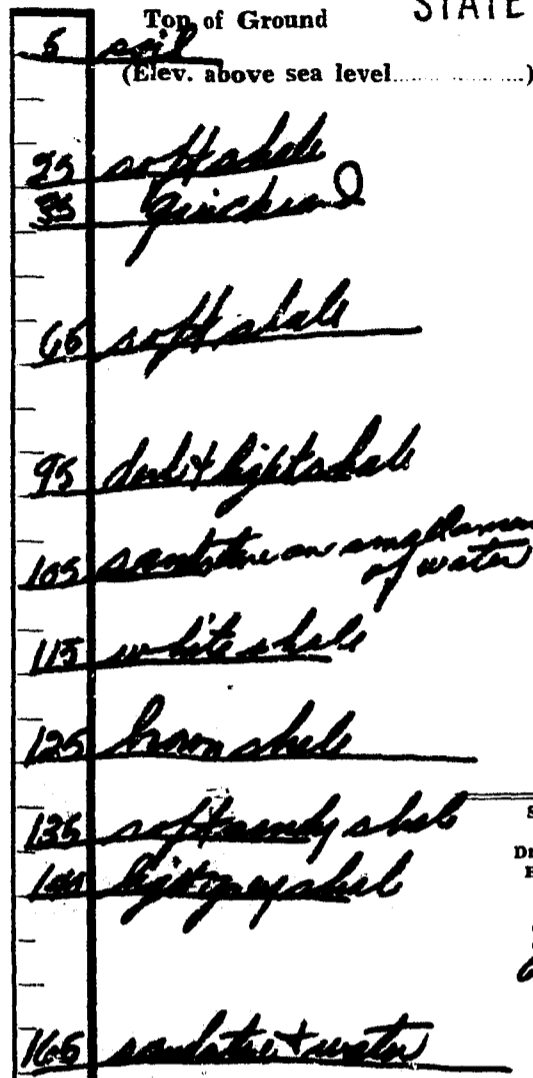
Date of Notice of Appropriation of Groundwater

Date well started 10-15-62 Date Completed 10-18-62

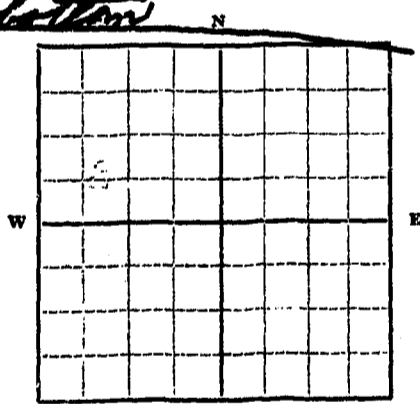
Type of well drilled Equipment Used Chumhill
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	7"-26#	+1	0	none		
7"	7"-26#	0	63	none		
6"	5 1/2" x 15#	58	173	1/4" x 2"	100	105
				1/4" x 2"	140	190



1/4 Sec. 1 T. 32 R. 20

Show exact depth of bottom.

Static Water Level for non-flowing Well..... 0 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 190 feet at 90 gal. per minute.

Discharge in gal. per min. of flowing well 2.0

How Tested back Length of Test 1 1/2 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) none

packer put in between the two Casings at 58'

31
Driller's License Number

Leute Waubesa
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.

Doc. # 247388

247388

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 27 DAY
of November A. D. 1962

AT 11:10 O'CLOCK A. M.

A. H. Dorn

COUNTY CLERK

2.00

DEPUTY

Duplicate

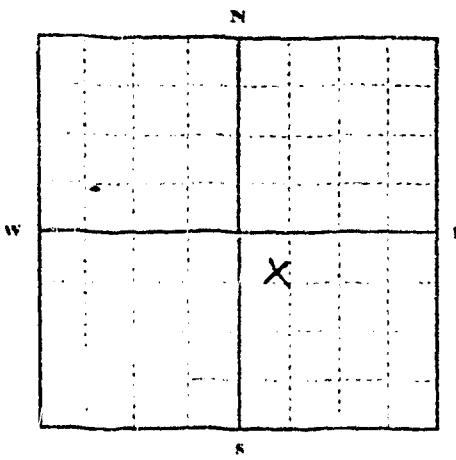
T32 R20
County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

ED

1. Ronald P. Luf, of Chenook
(Name of Appropriator) (Address) (Town)
County of Blaine State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



⁴
SE 1/4 Sec. 2, T32 R20
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 & livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Drilled in 1938 & used continuously since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 g.p.m.

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Drilled & completed in 1938

8. The depth of water table artesian

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 165 ft. artesian in casing

10. The estimated amount of groundwater withdrawn each year 360,000 gal

11. The log of formations encountered in the drilling of each well if available Gravel - Sand - Clay

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

Signature of Owner Ronald P. Luf
Date Dec. 27-63

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

21799

251948

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 27 DAY
OF December A. D. 1963
AT 1:40 O'CLOCK P. M.

Chris L. Neumann
COUNTY CLERK

200

DEPUTY

Form No. 18
8-60

T. 32 R. 20
County Blaine

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
STATE ENGINEER

WATER WELL LOG

	x	

Owner J. H. Butler Address CALHOUN, MONTANA
 Driller SIMPSON PILLING CO. Address CALHOUN, MONTANA
 Date Started 6/1/61 Date Completed 6/8/61
 Location: Sec. 2 T. 32 R. 20 $\frac{1}{4}$ sec. SW 1/4 NE 1/4

Type of well _____ Equipment used _____
(Dug, ~~drilled~~ bored, or drilled) (Cable, ~~logs~~, rotary, other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: 0 ft. to 66 ft. Type 7 1/2" Size 6
 Casing: 60 ft. to 290 ft. Type 7 1/2" Size 4 1/2"
 Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. 140 to ft. 160 Ft. 210 to ft. 221
Type of screen or perforations 3/16 240 290

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

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

Pumping water level 22 200 feet at 20 gal. per min.

How tested: LOAD

Length of test 2 HOURS

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

(over)

File No.
DUPLICATE

T. 32 20
County Blaine

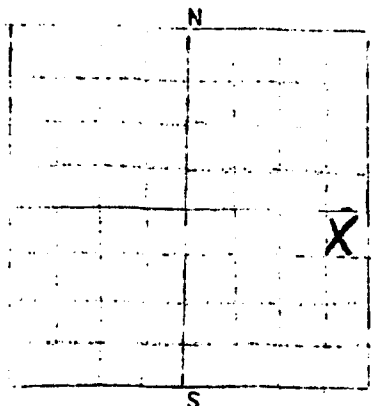
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 6 1962

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1951)

Lloyd Sommerberg, Lena J. Chiswick
(Name of Appropriator) (Address) (Town)

County of Blaine State of Montana
have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1952, as follows:



NE 1/4 3 32 20

Indicate point of appropriation
place of use, if possible.
Each small square represents 5
acres.

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

3. Date or approximate date of earliest beneficial use;
and of continuous the use has been.....
July 1960 - Continuous

4. The amount of groundwater claimed (in miner's inches
or gallons per minute).....
15 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.....
No

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

The date of commencement and completion of the construction of the well, wells, or
other works for withdrawal of groundwater.....
1960

The depth of water table.....
60 feet

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.....
6 inch steel

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

The log of formation encountered in the drilling of each well if available.....
Not Available

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 Mrs. Lloyd Sommerberg

Date 12-31-62

STATE OF MONTANA,)
County of Blaine) ss.
Mrs. Lloyd Sommerberg, having first been duly sworn, deposes and says
that she is of lawful age and is the appropriator and claimant of the
order and water right mentioned in the foregoing declaration of vested groundwater
rights and the person whose name she subscribed thereto, as the appropriator and
claimant, that she knows the contents of said foregoing notice and that the
matters and things therein stated are true.

21943

25210k

25210?

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 31 DAY
OF December A. D. 1963

AT 11:50 O'CLOCK P. M.

Caro R. Musgrave
COUNTY CLERK

Escher Sheet DEPUTY

OR 23

RECEIVED

File No. _____

MAR 6 1972

T. 32 N. R. 20 E.

DUPLICATE

County Glenn

LOG MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground (Elev. above sea level _____)

0 _____

6 topsoil

10 sand

108 mud & gravel in logs

112 dark grey shale

100 light grey shale

105 sandstone

120 thin layers of sandstone & shale

130 sandstone & water

130 Bottom

Owner William D. Powell Address Chenail

Driller Lester Wambert Address "

Date of Notice of appropriation of groundwater 12-10-71

Date well started 2/14/72 Date completed 2/17/72

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

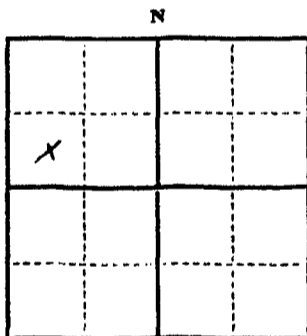
Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 5/8	6 5/8 x 160	0	73			
5 9/16	5 9/16	67	130	1/2" x 2"	110	130

Doc. No. 268684

Filed for record this 2nd day of March A. D. 19 72, at 12:53 o'clock P. M.



Static Water Level for non-flowing well 4 ft. feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 130 feet at 8 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested bailey

Length of Test 2 hrs

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

S. 1/4 NW Sec. 3 T. 32 R. 20

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).

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.

2

31
Driller's License Number

Lester Wambert
Driller's Signature

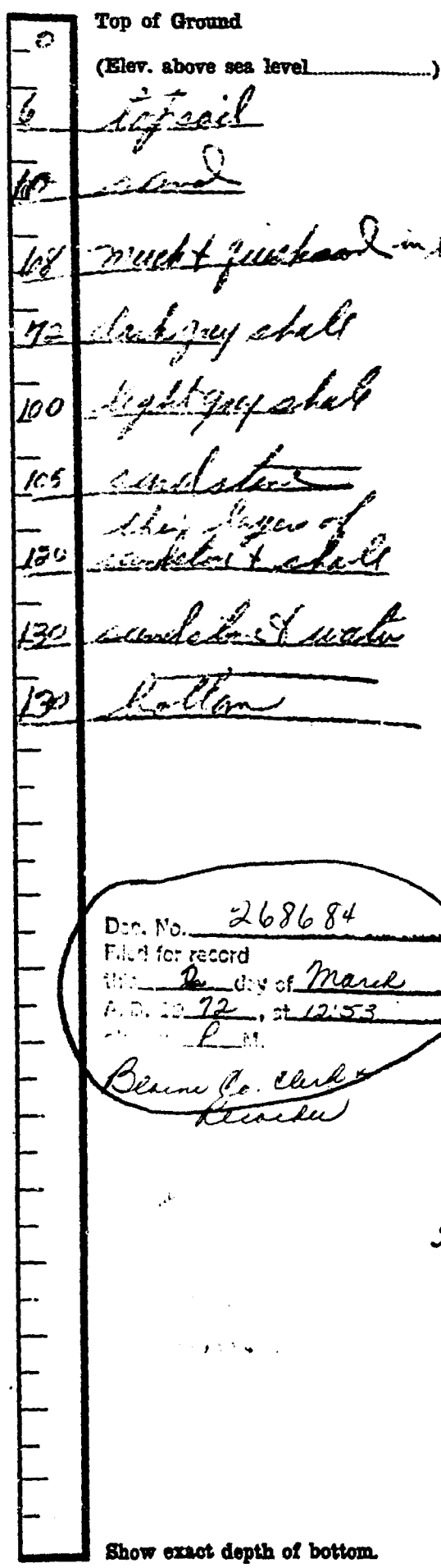
49,989

LOG MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well
 DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

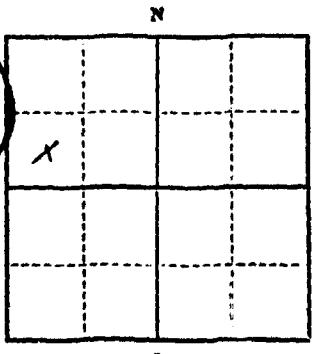


Owner W. D. Powell Address Channah
 Driller Leslie W. Schubert Address 11
 Date of Notice of appropriation of groundwater 12-10-71
 Date well started 2/11/72 Date completed 2/17/72
 Type of well drilled Equipment used skew drill
 (Dug, Driven, bored or drilled) (Churn drill, rotary or other)
 Water use: Domestic Municipal Stock Irrigation
 Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 5/8	6 3/8 216#	0	73			
5 9/16	5 9/16	67	130	1 1/2"	110	130

Doc. No. 268684
 Filed for record
 on 12 day of March
1972, at 12:53
P.M.
Blaine Co. Clerk
Blaine



Static Water Level for non-flowing well 41 ft. feet.
 Shut-in Pressure for Flowing Well _____
 Pumping Water Level 130 feet
 at 8 gal. per minute.
 Discharge in gal. per min. of flowing well _____
 How Tested gauge
 Length of Test 2 hrs
 Remarks: (Gravel packing, cementing, packers, type of shutoff) _____

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.

31
 Driller's License Number
Leslie W. Schubert
 Driller's Signature
49,989

(2)

Form No. 18
8-60

T. 32 R. 20
County Blaine

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water Well Log STATE ENGINEER

4		

Owner Carl Bosch Address Chenook
Driller Leslie Warburton Address Chenook
Date Started 9/25/61 Date Completed 9/27/61
Location: Sec. 3 T. 32 R. 20 $\frac{1}{4}$ sec. NW, NW

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 49 ft. Type Black iron Size 7" - 2 1/2"

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

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

Perforated or screened: Ft. _____ to ft. _____. Ft. _____ to ft. _____

Type of screen or perforations none

Static water level, for non-flowing well: 10 feet.

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

Pumping water level 30 feet at 15 gal. per min.

How tested: bailed

Length of test 1 1/2 hrs.

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

(over)