

138915

~~128046~~

FILED

4:53 o'clock P.M.
12-27-1963
J. J. [Signature]
County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA
[Signature] Deputy

File No.

T. 33N R. 5W

DUPLICATE

County

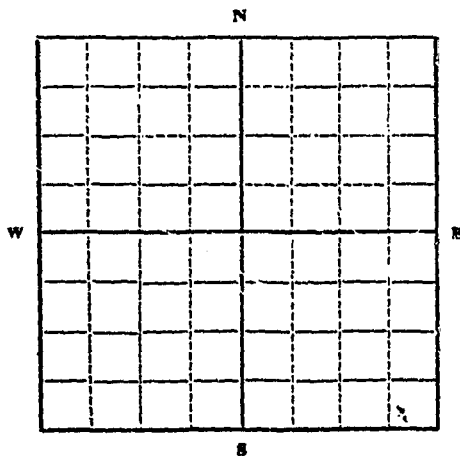
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 8 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. LeRoy D. Ellingson, of Box 744 Cut Bank
(Name of Appropriator) (Address) (Town)
County of Glacier State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

SE $\frac{1}{4}$ SE Sec. 17, T. 33N R. 5W

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
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Drilled 1957 - Used ever since
Used by above appropriator since 1961
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 gal per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
Garden
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
1 3/16" Cylinder Type Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Drilled & Completed 1957
8. The depth of water table 170 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
6" hole drilled to 270 ft. - 4" Pipe Run - Packed with Gravel
10. The estimated amount of groundwater withdrawn each year 70,000 Gal
11. The log of formations encountered in the drilling of each well if available Not Available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
None

Signature of Owner

Date 12-30-63

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

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

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

19285

138943

FILED

2:00
12-31-63
M. J. Macmillan
County Clerk and Ex-officio Recorder of
GLACIER COUNTY MONTANA
Tommy L. L. Deputy

File No.

DUPLICATE

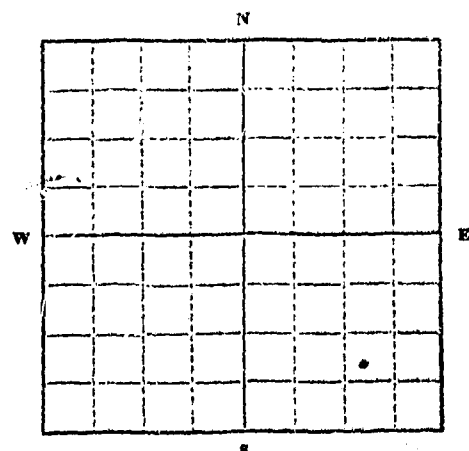
T. 33 N R. 5 W
County GlacierSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERRECEIVED
SEP 26 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Earl R. Copelan of Boxing Cut Bank
 (Name of Appropriator) (Address) (Town)
 County of Glacier State of Montana
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 17 T. 33 N R. 5 W

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 well was drilled to provide water for two dwellings.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been put to use in summer of 1955 and has been in continuous use ever since.

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

NOT APPLICABLE

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 well was drilled in March, 1955

8. The depth of water table 160 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 well is 175 feet deep, cased to bottom with 3 1/2 inch casing, has 2 inch tubing, 2 1/2 inch iron rods, and 1 1/2 inch working Borehole. Has a 16 Meyer's Pumping head with 6 inch stroke.

10. The estimated amount of groundwater withdrawn each year 110,000 gal. per yr.

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 information.Signature of Owner EARL R. COPELANDate 9-23-63

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.

6064

137493

FILED

at 1:35 o'clock P.M.
Sept 25 1922
M. L. Nassau
County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA
By Rita Hegg Deputy

Handwritten notes and signatures, including "M. L. Nassau" and "Rita Hegg", are visible on the right side of the document.

File No. _____

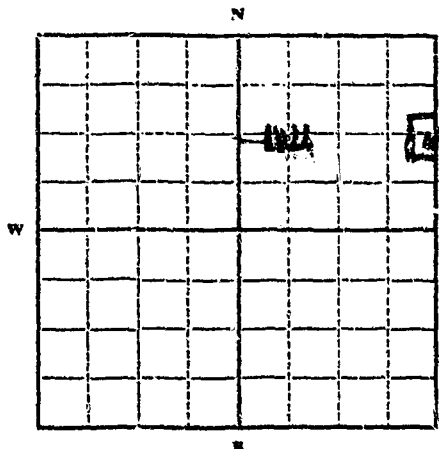
DUPLICATE

T. 33 N R. 5 W.
County GlacierSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERRECEIVED
FEB 18 1953

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Richard + Ruth Rossman, of Box 321 Cut Bank
(Name of Appropriator) (Address) (Town)
County of Glacier State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:NE $\frac{1}{4}$ Sec. 17 T. 33 R. 5 WIndicate 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 TREES,
Household, yard, Future livestock3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been MARCH, 1956
CONTINUALLY4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 12 gals. per minute5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof
Trees - 2 acres, Shrubbery around
building
Richard + Ruth Rossman6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal Pumpjack
on place.7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater march 19568. The depth of water table 220 feet9. 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 groundwater7 inch hole, with 4 inch casing 247 feet deep.
Pumped with rods + tubing with pumpjack10. The estimated amount of groundwater withdrawn each year 50 000 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

Richard Rossman
Ruth Rossman
Date 2/15/63Three 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.

3654

ME 11 33 210

on from
10/11/1913

10/11/1913
10/11/1913

10/11/1913

10/11/1913

10/11/1913

10/11/1913

135188

FILED

3:45 o'clock

10/11/1913

County Clerk and Ex-officio Recorder

GLACIER COUNTY, MONTANA

By *John H. Hagg*

33

of record
2.11

10/11/1913

GWS

File No.....

DUPLICATE

T. 33 N. R. 5

County Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 23 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater August 1962

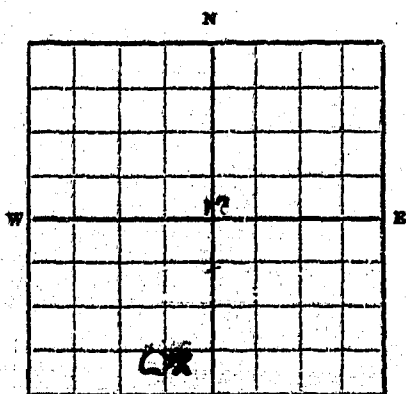
Owner Harry Ness Address Box 1105-Oat Bank

Contractor (if any) Getter trucking built Reservoir

Address of Contractor Oat Bank, Montana

Date Started Aug. 1962 Date Completed August, 1962

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring would flow periodically before reservoir was built, since building reservoir it flows continuously.



54 31 1/4 Sec. 17 T. 33 R. 5

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

water used continuously to water 10 head of stock

Signature of Owner Harry Ness

Date.....

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

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

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

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

138736

FILED

12:00 o'clock
12-29-63
W. S. Thompson
County Clerk and Ex-officio Recorder
GLACIER COUNTY, MONTANA
Thompson, W. S. Deputy

GWS

File No. _____

DUPLICATE

T 33 R 5 West

County Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
OCT 16 1962

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

(Owners)

Hazel B. Selby
Floris B. McEland
Aldene Barrington
Ethel B. Macdonald,

Date of Appropriation of Groundwater January 1912

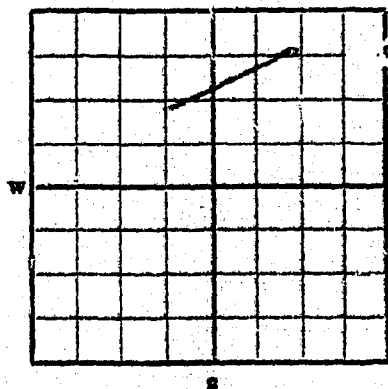
~~Owner~~ Administrator Address Cut Bank, Montana

Contractor (if any) none

Address of Contractor X

Date Started X Date Completed X

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. This is a few (two or three) small natural springs in a coulee - water runs down hill possibly 1 mile, then gradually disappears in the earth.



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

Have no idea of the quantity. It is in use for about 50 head of cattle on the farm - the year around.

Signature of Owner Aldene Barrington Macdonald

Date Oct. 15, 1962

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.

133596

FILED

Sept 15 1952
Mr. [illegible]
County Clerk, [illegible]
[illegible]

G

File No. _____

T. 33 N. R. 5 E.

DUPLICATE

County _____

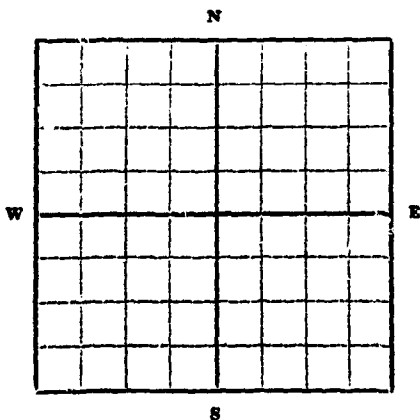
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

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

STATE ENGINEER

1. UNION OIL COMPANY OF CALIFORNIA, of Box 298 Butte
(Name of Appropriator) (Address) (Town)
County of Glacier State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



..... 1/4 Sec. T. R.

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

2. The beneficial use on which the claim is based Industrial
(Refinery and Absorption Plant cooling and process
water and boiler feed water). Domestic (twelve cottages)
3. Date or approximate date of earliest beneficial use; and how continuous the use has been From 1932 continuously to the
present.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 400 gal/min--normal pumping rate 250 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 Detailed
on four attached water well log reports. (These logs
were filed with Glacier County Clerk and Recorder
in December, 1961)
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater see attached copies of four well logs.
8. The depth of water table see attached copies of four well logs.
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 see attached copies of four well logs.
10. The estimated amount of groundwater withdrawn each year 125-150 million gallons
11. The log of formations encountered in the drilling of each well if available Two Medicine - surface formation
Virgilia member of the Eagle Sandstone Formation, which is the water horizon.
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 other than the attached well logs.

Union Oil Company of California

Signature of Owner

Attorney In Fact

Date March 15, 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.

824 A

Form No. 18
8-60

T. 33 N R. 5 W

County GLACIER

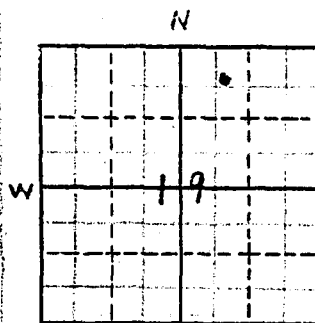
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

BARRINGTON

Water Well Log

RECEIVED
JUL 6 1962

STATE ENGINEER



Owner UNION OIL COMPANY OF CALIFORNIA Address Box 298 Cut Bank

Driller H. J. Wilson (Deceased) Address Cut Bank

Date Started July, 1952 Date Completed July, 1952

Location: Sec. 19 T. 33 N R. 5 W $\frac{1}{4}$ sec. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec 19

small Division = 10 acres

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

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

Casing: 0 ft. to 251 ft. Type N 40 Size 7"

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: 164' feet.

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

Pumping water level feet at gal. per min.

How tested: Well not being pumped at present

Length of test

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

Casing cemented at 251'

This well pumped at 100 gal. per minute for about two months in 1952. Pumping

discontinued and pump removed due to sulfur water. Well is capped at present,
but well will probably have to be pumped and water treated in the near future.

Red - Changes for clarification - July 27, 1962

Log of Well

[illegible]

T. 33 N R. 5 W

County GLACIER

MONTANA BUREAU OF MINES AND GEOLOGY

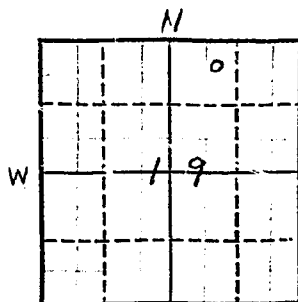
Butte, Montana

Barrington

WATER WELL LOG

RECEIVED
JAN 2 1962

STATE ENGINEER



Owner Union Oil Company of California Address Box 298 Cut Bank

Driller M. J. Wilson (Deceased) Address Cut Bank

Date Started July, 1952 Date Completed July, 1952

Location: Sec. 19 T. 33 N. R. 5 W. 1/4 sec. NE 1/4 NW 1/4 NE 1/4 Sec 19

Small division = 10 acres

Type of well Drilled Equipment used Small Star Spudder
(Dug, driven, bored, or drilled) (Cable drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other:

Casing: 0 ft. to 251 ft. Type H 40 Size 7"

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: 164 feet.

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

Pumping water level feet at gal. per min.

How tested: Well not being pumped at present

Length of test

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

Casing cemented at 251'

This well pumped at 100 gal. per minute for about two months in 1952. Pumping discontinued and pump removed due to sulfur water. Well is capped at present but well will probably have to be pumped and water treated in the near future.

Red - changes made for clarification - July 27 1962

Log of Well

Depth, feet		Description of Material Drilled
From	To	
160		Top of Two Medicine Sand
249		Top of Eagle Sand
260		First Water
249	289	Soft Sand
289	301	Hard Sand (well bottomed at 301)

131367

FILED

at 10:30 o'clock A.M.
 2-23-1913
 M. S. Hanson
 County Clerk and Ex-Officio Recorder of
 GLACIER COUNTY, MONTANA.
 By *[Signature]* Deputy

FILED

at 4:50 o'clock P.M.
 2-23-1913
 M. S. Hanson
 County Clerk and Ex-Officio Recorder of
 GLACIER COUNTY, MONTANA.
 By *[Signature]* Deputy

BANK

12 cut Bank
Township

CARTER OIL CO.
(State)

OIL CO.
(K.B. Hammond)

TEX OIL CO.
(A. Barrington)

THE TEXAS CO.

U.S.

G. W. Lennox

THE TEXAS CO.

HOERR

(M. Connelly)

(M.J. Flinn & W.J. Jones)

(L. Horton)

(J.W. Coburn)

(M.A. Miller)

(J.W. Coburn)

(D. Whetstone)

(D. Whetstone)

(D. Benish)

CARTER OIL CO.
(H. Jacobson)

(L. Van Ormer)

(E.C. Robb)

(J. Savage)

(Luella Morgan)

LAWSON ROSS
(S. Harbison)

S.A. HOLE
(D.C. Bowman)

(M.D. Bailey)

(Barrington)

Lore Mueller Richards

CARTER OIL CO.
(M. Jacobson)

A.B. COBB & CO.

T33N R.5W

THE TEXAS CO.

(J.T. Kile)

Union Oil Co. of
California
Refinery

(R.R. New)

(Farmer State Bank)

(W. Fuller)

(Mrs. C.A. Hawkins)

T38N R.5W

CONV 19 CUR #2
SW 1/4 NW 1/4 NW 1/4

(W.H. Summister)

CONV 19 CUR #3
SW 1/4 SW 1/4 NW 1/4

A. Corriveau

(K.E. Stone)

Barrington
NE 1/4 NW 1/4 NE 1/4

(A. Barrington)

(Dorothy Mosler)

(S.H. Mott)

CARTER OIL CO.

(B.G. Mott)

(W. H. Stone)

Pasture Well
SW 1/4 SW 1/4 NW 1/4

(C.A.D.)

(Fred Barrington)

(J. Schoren)

C.T. Will

File No.

T. 33 N., R. 5 W.

DUPLICATE

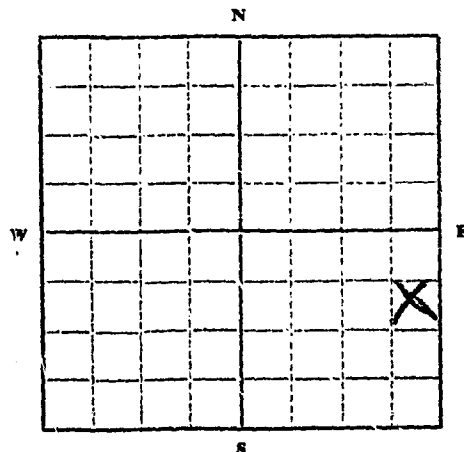
County, Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
OCT 18 1963

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

1. Bertha C. Stahl, of Cut Bank
(Name of Appropriator) (Address) (Town)
County of Glacier State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 20 T. 33 R. 5 W.

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. dwelling,
garden, yard and livestock.
3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been. July, 1942. Has been
Continuous.
4. The amount of groundwater claimed (in minor's inches or gallons
per minute). 5.5 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.
Garden and yard in name of Bertha C. Stahl de-
scribed as SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 20, T. 33 N., R. 5 W.
Glacier County, Montana.
6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal.
Electric Motor driven pump.
7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater. May 1942 - completed July, 1942.
8. The depth of water table. 340'
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 - 5" casing 2" tubing - 350' bottom
of hole.
10. The estimated amount of groundwater withdrawn each year. 2,920,660 gal.
11. The log of formations encountered in the drilling of each well if available. Similar to logs of
Humble Oil Co. Stahl Oil Well #1-2 located on NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 20 and NW $\frac{1}{4}$ SW $\frac{1}{4}$
Sec. 21, Twp. 33 N., Rge 5 W., Glacier County.
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.

Bertha C. Stahl Guardianship

Signature of Owner By [Signature]
Attorney for Guardian

Date October 10, 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.

6472

137749

FILED

At 6:45 o'clock A.M.
on June 19, 1967
M.L. Thomas
County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA
By *Theresa Harris* ly

T. 33 N. R. 34 W. 21

County GLACIER

MONTANA BUREAU OF MINES AND GEOLOGY

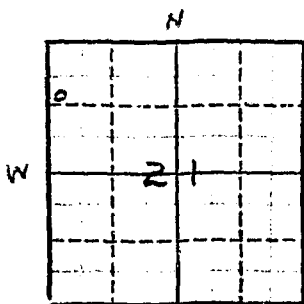
Butte, Montana

CONVEYOR #2

WATER WELL LOG

RECEIVED
JAN 2 1962

STATE ENGINEER



Owner Union Oil Company of California Address Box 238, Cut Bank

Driller M. J. Wilson, (Deceased) Address Cut Bank

Date Started May, 1945 Date Completed May 12, 1945

Location: Sec. 21 T. 33 N. R. 34 W. 1/4 sec. SW 1/4 NW 1/4 NW 1/4 SEC 21

Small division # 10 acres

Type of well Drilled

(Dug, driven, bored, or drilled)

Equipment used Small Star Jumper

(Churn drill, rotary, other)

Water use: Domestic ☐

Municipal ☐

Stock ☐

Irrigation ☐

Industrial ☒

Drainage ☐

Other: _____

Casing: 0 ft. to 296 ft. Type _____ Size 7"

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: 250 feet

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

Pumping water level 251 feet at 80-85 gal. per min.

How tested: Timed into 54 gallon drum

Length of test: Three or four tests of about 40 seconds duration

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

Casing cemented at 296'

Red - Changes made for clarification - July 27, 1962

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	300	Two Medicine Formation - greenish gray clay Main Water - virgelle member of Eagle Sandstone Formation - a buff colored sandstone and shaly sand stone
300	308	
	311	Total depth

This Well is known as Corriveau Well #2 and is pumped by means of a 45 HP Waukesha 6 cylinder gas engine through a right angle gear box which in turn rotates a water lubricated 1" open line shaft in a 4" pipe column - the shaft is connected to a 35 stage closed impeller bottom hole pumping unit.

FILED
at 4:50 o'clock P.M.
JUL 2 1961
Mick Mackenzie
County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA
R. L. Williams

FILED
at 5:15 o'clock P.M.
JUL 2 1961
Mick Mackenzie
County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA
R. L. Williams

291364

T. 33 N. R. 24 W. 21
County SLATER

MONTANA BUREAU OF MINES AND GEOLOGY

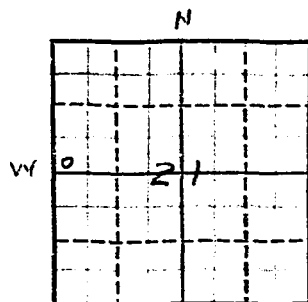
Butte, Montana

CORRIGENDUM #3

WATER WELL LOG

RECEIVED
JAN 2 1962

STATE ENGINEER



Owner Union Oil Company of California Address Box 298, Cut Bank

Driller M. J. Wilson, (Deceased) Address Cut Bank

Date Started April 11, 1949 Date Completed April 11, 1949

Location: Sec. 21 T. 33 N. R. 24 W. 1/4 sec. SW 1/4 SW 1/4 NW 1/4 SEC 21

Small divisions - 10 acres

Type of well Drilled

(Dug, driven, bored, or drilled)

Equipment used Small Star Sander

(Churn drill, rotary, other)

Water use: Domestic ☐

Municipal ☐

Stock ☐

Irrigation ☐

Industrial ☒

Drainage ☐

Other: _____

Casing: 0 ft. to 299 ft. Type 1.40 Size 7"

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: 250 feet.

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

Pumping water level: 251 feet at 88-85 gal. per min.

How tested: Timed into 54 gallon drums

Length of test: Three or four tests of about 40 minutes duration

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

Casing cemented at 299'

Red- changed made for clarification - July 27, 1962

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	299'	Two Medicine Formation - greenish gray clay Top of Eagle Sandstone
299	343	Well bottomed - virgelle member of the Eagle Sand Formation - a buff colored sandstone and -chaly sandstone - water bearing formation
<p>The well is known as Corrigan Well #3 and is pumped by means of a 45HP Waukegan cylinder gas engine through a right angle gear box which in turn rotates a water lubricated 1" open line shaft in a 4" pipe column - the shaft is connected to a 35 stage closed imp bottom hole pumping unit</p>		
<p style="text-align: right;">#131368</p> <p style="text-align: center;">FILED 101206 clock 8 AM 2 1/2 11/11/1968 County Clerk and Ex-officio Recorder of GLACIER COUNTY, MONTANA By <i>[Signature]</i></p> <p style="text-align: center;">FILED 101206 clock 8 AM 2 1/2 11/11/1968 County Clerk and Ex-officio Recorder of GLACIER COUNTY, MONTANA By <i>[Signature]</i></p>		

Form No. 18
8-60

T. 33 N R. 5 W
County GLACIER

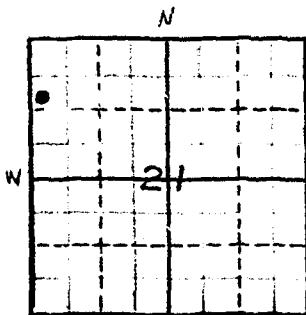
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

CORRIGNEUX # 2

Water Well Log

RECEIVED
JUN 1962

STATE ENGINEER



Owner UNION OIL COMPANY OF CALIFORNIA Address Box 253, Cut Bank

Driller E. J. Wilson (Deceased) Address Cut Bank

Date Started May, 1945 Date Completed May 12, 1945

Location: Sec. 21 T. 33 N R. 5 W $\frac{1}{4}$ sec. SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 21

Small division = 10 acres

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

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

Casing: 0 ft. to 296 ft. Type Size 7"

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: 250 feet.

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

Pumping water level 251 feet at 80-90 gal. per min.

How tested: Timed into a 54 gallon drum

Length of test Three or four tests of about 40 seconds duration

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

Casing cemented at 296'

(over)

Red. changes for classification - July 27, 1962

Log of Well

Depth feet		Description of Material Drilled
From	To	
0	300	Two Medicine Formation - greenish gray clay
300	308	Virgelle member of the Eagle Sandstone Formation - a buff colored sand and shaly sandstone - water bearing formation
	311	Total depth
<p>This well is known as Corrigan Well # 2 and is pumped by means of a 45 HP Waukesha 6 cylinder gas engine through a right angle gear box which in turn rotates a water lubricated 1" open line shaft in a 4' pipe column - the shaft is connected to a 35 stage closed impeller bottom hole pumping unit.</p>		
<p>FILED</p> <p>1917, 10:00 AM</p> <p>County Clerk and Ex-Officio Recorder of GLACIER COUNTY, MONTANA</p> <p>By <i>[Signature]</i> Deputy</p>		
<p>FILED</p> <p>1917, 10:00 AM</p> <p>County Clerk and Ex-Officio Recorder of GLACIER COUNTY, MONTANA</p> <p>By <i>[Signature]</i> Deputy</p>		

Form No. 18
8-60

T. 33 N R. 5 W 21

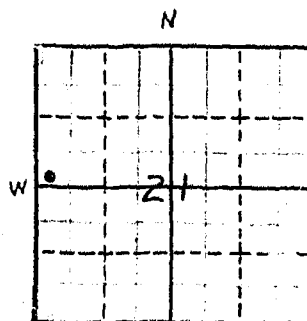
County GLACIER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana
CORRIEUX # 3

Water Well Log

RECEIVED
JUN 5 1962

STATE ENGINEER



Owner UNION OIL COMPANY OF CALIFORNIA Address Box 296 Cut Bank

Driller M. J. Wilson (Deceased) Address Cut Bank

Date Started April 11, 1949 Date Completed April 11, 1949

Location: Sec. 21 T. 33 N R. 5 SW $\frac{1}{4}$ sec. SW SW NW

Small division = 10 acres

SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 21

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

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

Casing: 0 ft. to 299 ft. Type N 40 Size 7"

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: 250 feet.

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

Pumping water level 251 feet at 80-85 gal. per min.

How tested: Timed into 5 1/2 gallon drums

Length of test Three or four tests of about 40 minutes duration.

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

Casing cemented at 299'.

(over)

Red- changed for clarification - July 27, 1962

Log of Well

[illegible]

File No. _____

DUPLICATE

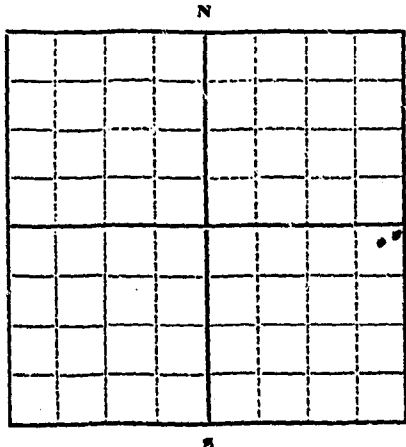
T. 33^N R. 5^WCounty Glasgow

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAR 11 1963

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

1. Walter H. Christopherson, of P.O. Box 123 Cut Bank
(Name of Appropriator) (Address) (Town)
County of _____ State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S.E. 1/4 Sec 21 T.33 R.5

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 Home use
Live Stock and Irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous use
Since 1942
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gal
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
Home Garden and trees 2 acres
Owner Walter H. Christopherson
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal by pump
on both wells
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Wells were completed in 1942 and 1949
8. The depth of water table 20 feet and 45 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
depth of wells 125 feet and 285 feet size of casing
4" and 6" 9" tubing both wells are pumped with
motors leaves
10. The estimated amount of groundwater withdrawn each year approximately 30,000 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 Not available

Signature of Owner

Walter H. ChristophersonDate March 8, 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.

2655

135433

FILED

at 11:40 a.m. clock
March 5, 1913
M. L. Harrison
County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA
By *E. A. Hegg* Deputy

T. 33 N R. 5 W

County GLACIER

MONTANA BUREAU OF MINES AND GEOLOGY
Main Water Butte, Montana

RECEIVED
JAN 2 1962

STATE ENGINEER

242

246

250

-

Top of shale (well bottomed)
WATER WELL LOG
Pasture Well

W

N

	2	2	

Owner Union Oil Company of California Address Box 298 Cut Bank

Driller H. J. Wilson (Deceased) Address Cut Bank

Date Started May 29, 1942 Date Completed June 9, 1942

Location: Sec. 22 T. 33 N R. 5 W 1/4 sec. SW SW NW
SW 1/4 SW 1/4 NW 1/4 sec 22

Small division = 100 acres

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other:

Casing: 0 ft. to 214 ft. Type H 40 Size 10"

Casing: 0 ft. to 225 ft. Type H 40 Size 5 1/2"

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 211 to ft. 214 Ft. to ft.

Type of screen or perforations Torch Cut Slots

Static Water level, for non-flowing well: 209 feet.

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

Pumping water level: 210 feet at 80-85 gal. per min.

How tested: Timed into 54 gallon drum

Length of test: Three or four tests of about 40 seconds duration

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

Red - Changes made for clarification - July 27, 1962

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	242	Two Medicine Formation - green gray clay
242	246	water horizon - Virgelle member of the Eagle
		sandstone Formation - a buff colored sandstone
		and shaly sand stone
	250	Top shale well bottomed
<p>This well is known as the 'Pasture Well' and is pumped by a 25HP induction electric motor through a right angle gear box which in turn rotates a water lubricated $\frac{3}{4}$" open line shaft in a 4" pipe column - the shaft is connected to a 35 stage closed impeller bottom hole pumping unit.</p>		
<p>FILED 12-28-1961 County Clerk and Ex-Officio Recorder of GLACIER COUNTY, MONTANA <i>[Signature]</i> Deputy</p>		
<p>FILED 12-28-1961 County Clerk and Ex-Officio Recorder of GLACIER COUNTY, MONTANA <i>[Signature]</i> Deputy</p>		
<p># 131369</p>		

Form No. 18
8-60

T. 33 N R. 5 W
County Glacier

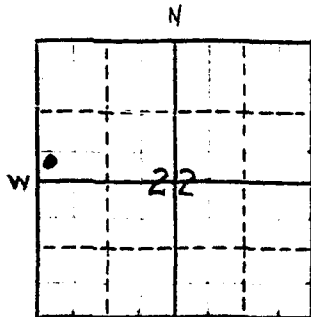
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

PASTURE WELL

Water Well Log

RECEIVED
JUN 6 1962

STATE ENGINEER



Owner UNION OIL COMPANY OF CALIFORNIA Address Box 298 Cut Bank

Driller M. J. Wilson (Deceased) Address Cut Bank

Date Started May 29, 1942 Date Completed June 9, 1942

Location: Sec. 22 T. 33 N R. 5 W $\frac{1}{4}$ sec. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 22

Small division = 10 acres

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

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

Casing: 0 ft. to 214 ft. Type N 40 Size 10"

Casing: 0 ft. to 225 ft. Type N 40 Size 5 1/2"

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

Perforated or screened: Ft. 211 to ft. 214 Ft. _____ to ft. _____

Type of screen or perforations Torch cut slots

Static water level, for non-flowing well: 209 feet.

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

Pumping water level 210 feet at 80-85 gal. per min.

How tested: Timed into 54 gallon drum

Length of test Three or four tests of about 40 seconds duration

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

(over)

Red - changes for clarification - July 27, 1962

Log of Well

Depth feet		Description of Material Drilled
From	To	
0	242	Too Modicum Formation -- greenish gray clay
242	246	Water horizon -- Virgilia member of the Eagle Sandstone Formation--
		a buff colored sandstone and shaly sandstone
	250	Top shale -- well bedded
<p>This well is known as the "Peeters Well" and is pumped by a 25 HP induction electric motor through a right angle gear box which in turn rotates a water lubricated 3/4" open line shaft in a 4" pipe column--the shaft is connected to a 25 stage closed lipeller bottom hole pumping unit.</p>		
<p style="text-align: right;">#13136</p>		
<p style="text-align: center;">FILED</p> <p>at 12:32 o'clock P.M. 2-21-64 M. J. [Signature] County Clerk and Ex-officio Recorder of GLACIER COUNTY, MONTANA</p> <p style="text-align: right;">By [Signature] Deputy</p>		
<p style="text-align: center;">FILED</p> <p>at 4:56 o'clock P.M. 12-28-1964 M. J. [Signature] County Clerk and Ex-officio Recorder of GLACIER COUNTY, MONTANA</p> <p style="text-align: right;">By [Signature] Deputy</p>		

File No. _____

DUPLICATE

T. 33 R. 5County Glacier

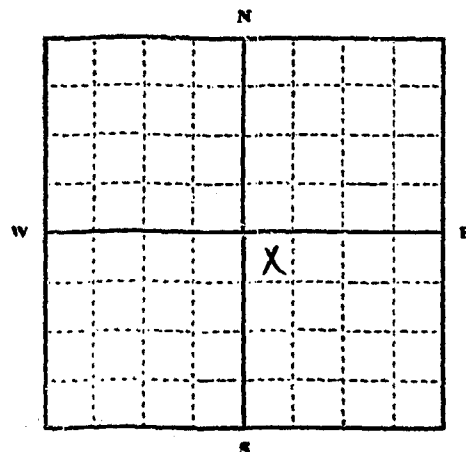
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Clyde Monroe, of Cut Bank
(Name of Appropriator) (Address) (Town)
County of Glacier State of Mont
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 23 T. 33 R. 5

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

2. The beneficial use on which the claim is based Domestic
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Feb 1955 Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 550 gal per day
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump and tubing
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Feb 1955
8. The depth of water table 80 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 246 ft deep six inch hole and 80 ft of water
10. The estimated amount of groundwater withdrawn each year 20,000 gal
11. The log of formations encountered in the drilling of each well if available N/A
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 N/A

Signature of Owner Clyde MonroeDate 12-31-63

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.

19396

139087

FILED

3:20 o'clock
12-31 1963
W. L. M...
County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA
L. M. ... Deputy

File No.

T 33 R 5 W

DUPLICATE

County Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

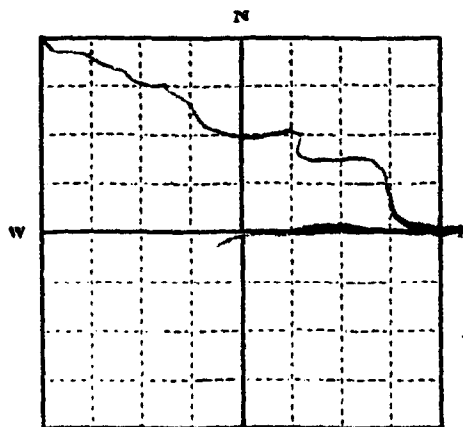
Declaration of Vested Groundwater Rights **RECEIVED**
DEC 30 1963

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Lloyd A. Torgerson, of Ethridge
(Name of Appropriator) (Address) (Town)

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



North Half

Sec 25 T. 33 R. 5 W.

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 livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1913; continuous from that time and still in use.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 14 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
Not used for irrigation in the past.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
natural flow from springs
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater No wells or other works for withdrawal of groundwater.
8. The depth of water table surface
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater No wells or other works for withdrawal at the present time.
10. The estimated amount of groundwater withdrawn each year 100,000 gallons
11. The log of formations encountered in the drilling of each well if available
No wells.
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
Coulee extends across the entire section and it has numerous springs in it, causing a continuous flow.

Signature of Owner

Lloyd A. TorgersonDate December 27, 1963

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

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

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

14797

138897

FILED
at 1:37 o'clock P.M.
1913
M. L. Hannan
County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA
By W. H. Hagg Deputy

Mr. Lloyd A. Torgerson, Ethridge, Montana

February 26, 1964

December 27, 1963

138897

from a natural flowing stream.

File No. _____

T. 33N R. 5W

29

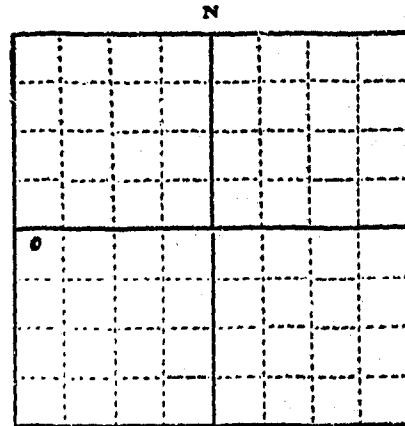
DUPLICATE

County Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

- I, Dennis J. BERKRAM, of Box 182 Cut Bank, Mont.
(Name of Appropriator) (Address) (Town)
County of GLACIER, State of MONTANA, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.
- The beneficial use to which water is to be applied is for household use and hogs and cows
(describe lands to be benefited, if for irrigation)
- The rate of use in gallons per minute or miner's inches of groundwater claimed 57 gallons
- The annual period (inclusive dates) of intended use all year
- The probable or intended date of first beneficial use August 3rd
- The probable or intended date of commencement and completion of the well* or wells* July 25th commenced August 2 completed
- The location, type, size and depth of well or wells contemplated 4 inch casing, 125 feet
- The probable or estimated depth of the water table or artesian aquifer 30 feet
- Name, address and license number of the driller engaged George Jensen
Box 1993 Cut Bank, Montana No. 30
- Give such other similar information as may be useful in carrying out the policy of this act.



Doc. No. 152372 117445
Filed for record
this 3 day of September
A. D. 19 70, at 8:30
o'clock PM.

NW 1/4 Sec. 29 T. 33 R. 5W
Locate well or other means of
development as accurately as
possible on the plat.

Signature of Appropriator

Date August 20, 1970

* 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 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.

158372

FILED

8:30 o'clock M

9-3-1920

County Clerk and Ex-officio Recorder of

GLACIER COUNTY, MONTANA

Deposited

134947

Office of the
County Clerk
Glacier County, Montana
FILED
JAN 25 1963
County Clerk and Ex-Officio Recorder of
Glacier County, Montana
By *[Signature]* Deputy

Range	Section	Acres	Owner	Value
10-10	34	160	John J. Hagg	200
10-10	35	160	John J. Hagg	200
10-10	36	160	John J. Hagg	200
10-10	37	160	John J. Hagg	200
10-10	38	160	John J. Hagg	200
10-10	39	160	John J. Hagg	200
10-10	40	160	John J. Hagg	200
10-10	41	160	John J. Hagg	200
10-10	42	160	John J. Hagg	200
10-10	43	160	John J. Hagg	200
10-10	44	160	John J. Hagg	200
10-10	45	160	John J. Hagg	200
10-10	46	160	John J. Hagg	200
10-10	47	160	John J. Hagg	200
10-10	48	160	John J. Hagg	200
10-10	49	160	John J. Hagg	200
10-10	50	160	John J. Hagg	200

File No.

T. 33 N. R. 5 W.

DUPLICATE

County Glacier

Water Well # 2

Top of Ground

(Elev. above sea level. 3798)

0 to 34 surface
 34 to 40 shell
 40 to 60 shale
 60 to 95 shale w/ sand
 95 to 142 shale
 142 to 157 sand (dry)
 157 to 181 shale
 181 to 190 sand (dry)
 190 to 194 shale
 194 to 201 sand (dry)
 201 to 214 shale
 214 to 228 shaly sand
 228 to 240 sand w/ water (1/2 GPM)
 240 to 267 shale
 267 to 287 sand (dry)
 287 to 302 sand w/ water
 302 T. D.

NE 1/4 SW Sec. 29 T. 33 N. R. 5 W.

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

Show exact depth of bottom.

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 Union Oil Co. of Calif. Address Cut Bank, MontanaDriller Simpson Drilling Co. Address Malta, MontanaDate of Notice of Appropriation of Groundwater Dec. 20, 1962Date well started Jan. 2, 1963 Date Completed Jan. 19, 1963

Type of well drilled Equipment Used cable tool
 (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)
8-1/4	7" 20#	0	284	open hole	284	302

Static Water Level for non-flowing Well 174 feet.Shut-in Pressure for Flowing Well 0 on casingPumping Water Level 180 feet at 122 gal. per minute.Discharge in gal. per min. of flowing well 0How Tested submersible pump Length of Test 49 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)

Casing cemented w/ 50 sz. Top of water

sand @ 284', no Two Medicine water. Top

of Eagle @ 267'.

Driller's License Number 15Driller's Signature P. Jacobson

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.

3444

GW1

File No.

T. 33 N R 5 W

DUPLICATE

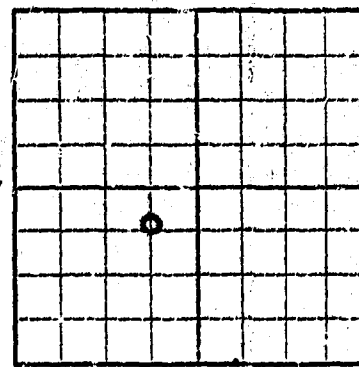
County Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 27 1962

Notice of Appropriation of Groundwater STATE ENGINEER
(Under Chapter 237, Montana Session Laws, 1961)

1. I, Union Oil Company of California, of P. O. Box 298 Cut Bank
(Name of Appropriator) (Address) (Town)
County of Glacier, 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 secondary recovery of crude oil from Cut Bank Sand in Cut Bank Field
(describe lands to be benefited, if for irrigation)
3. The rate of use in gallons per minute or miner's inches of groundwater claimed 100 to 150
4. The annual period (inclusive dates) of intended use 365 days per year
5. The probable or intended date of first beneficial use April 1, 1963
6. The probable or intended date of commencement and completion of the well* or wells* December 20, 1962
7. The location, type, size and depth of well or wells contemplated NE SW Section 29, T. 33 N., R. 5 W. 7" casing cemented approximately 260'
8. The probable or estimated depth of the water table or artesian aquifer 170' below ground level
9. Name, address and license number of the driller engaged Simpson Drilling Company, Malta, Montana Driller License 15 Contractor's License 2613-C
10. Give such other similar information as may be useful in carrying out the policy of this act.



NE SW 1/4 Sec. 29 T33N R5W

Locate well or other means of development as accurately as possible on this plat

Signature of Appropriator

Union Oil Company of California
By: [Signature]
Attorney in Fact
Date December 18, 1962

* 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 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.

2823

134566

FILED

9:55 o'clock A. M.
12-19-1966
W. L. Thompson
County Clerk and Ex-officio Recorder
GLACIER COUNTY, MONTANA
By M. H. Huse Deputy

File No. _____

T. E. Ration

DUPLICATE

County _____

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARDNotice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1992

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

Owner Dennis Baker Address Box 883 Est BankDriller George Jensen Address Box 1993 Catfish

Date of Notice of appropriation of groundwater _____

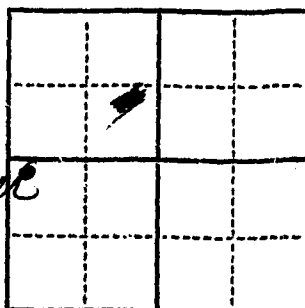
Date well started July 25 Date completed Aug 2Type of well Drilled Equipment used Cable Tool
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☒
Industrial ☐ Drainage ☐ Other ☐

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	From (Feet)	To (Feet)
7"	4" 6.3/4	0	125	torch	125	12

Doc. No. 158373

Filed for record

this 25 day of SeptemberA. D. 19 74, at 8:30o'clock A M.NW 1/4 Sec. 29 T. 33 R. 5
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well _____ feet.

Pumping Water Level 30 feetat 5 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Bailer

Length of Test _____

Remarks: (Gravel packing, cementing, packers, type of shutoff) Gravel Packtop to bottomwith 1/2 inch gravel

(Continue on reverse side)

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

125'
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.

30
Driller's License NumberGeorge Jensen
Driller's Signature.

4174146

158373

100-443887-100
 100-443887-100
 100-443887-100

RECORDED WITH
ABSTRACT DIVISION IN
OFFICE OF COMMISSIONER
BLAIR MATH COVINGTON
ADMINISTRATION OF GOVERNMENT
DIVISION OF RECORDS

FILED

B. E. C. clock 10
70

Mrs. Bassett
County Clerk and Ex-officio Recorder of
GLADWIN COUNTY, MONTANA
Samuel L. B.

45
 46
 47
 48

THE
NEW
LONDON
DOCK
LANDS

File No.

T. 33 N. R. 5 W.

DUPLICATE

County Glacier

Water Well # 1

Top of Ground

0 to (Elev. above sea level 3754 ...)
surface

28

28 to shell

30

30 to shale

55

55 to sand w/ water

62

62 to shale w/ stringers of sandstone

167

167 to shell

170

170 to shale

182

182 to shell

187

187 to shale

230

230 to sandy shale

234

234 to sand (shaly)

268

268 to shell

270

270 to sand

275

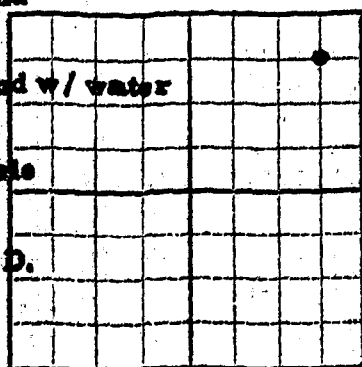
275 to sand w/ water

291

291 to shale

294

294 to T.D.



NE 1/4 NE Sec. 30, T33N R. 5W

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

Show exact depth of bottom.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

**Notice of Completion of Groundwater
Appropriation by Means of Well ENGINEER**

(Under Chapter 237, Montana Session Laws, 1961)

Owner Union Oil Co. of Calif. Address Cut Bank, MontanaDriller Simpson Drilling Co. Address Malta, MontanaDate of Notice of Appropriation of Groundwater Dec. 20, 1962Date well started Dec. 20, 1962 Date Completed Jan. 8, 1963Type of well drilled Equipment Used cable tool
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☒ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8-1/4	7" 20#	0	234			
6	5-1/2" 14#	226	294	Slotted	276	294

Static Water Level for non-flowing Well 136 feet.Shut-in Pressure for Flowing Well 0 on casingPumping Water Level 162 feet at 109 gal. per minute.Discharge in gal. per min. of flowing well 0How Tested submersible pump Length of Test 4 1/2 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)

7" casing cemented with 30 ax. packers @256' and 269'. Water sand from 277' to 291'.Top of Eagle @ 234'.

Driller's License Number

15

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.

134946

Office of the
Recorder

FILED

Jan 25 1963
M. J. Harrison
County Clerk and Ex-Officio Recorder
GLACIER COUNTY, MONTANA
By: *[Signature]*

File No.

T 33 N R 5 W

DUPLICATE

County Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

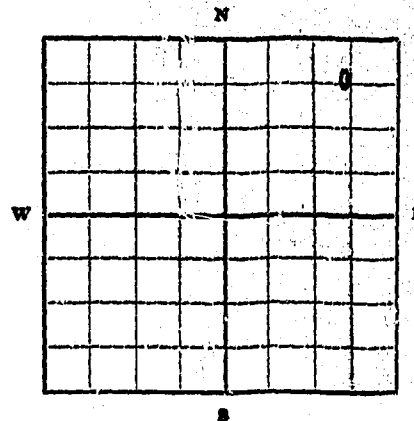
RECEIVED
DEC 21 1962

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. I, Union Oil Company of California, of Box 298 Cut Bank
(Name of Appropriator) (Address) (Town)
County of Glacier 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 secondary recovery of crude oil from Cut Bank Sand in Cut Bank Field
(describe lands to be benefited, if for irrigation)
3. The rate of use in gallons per minute or miner's inches of groundwater claimed 100
to 150
4. The annual period (inclusive dates) of intended use 365 days per year
5. The probable or intended date of first beneficial use April 1, 1963
6. The probable or intended date of commencement and completion of the well* or wells* December 20, 1962
7. The location, type, size and depth of well or wells contemplated NE NE Section 30,
T. 33 N., R. 5 W 7" casing cemented, approximately 280'
8. The probable or estimated depth of the water table or artesian aquifer 175' below ground level
9. Name, address and license number of the driller engaged Simpson Drilling Company,
Malta, Montana Driller License 15 Contractor's License 2813-C
10. Give such other similar information as may be useful in carrying out the policy of this act.....



NE NE 1/4 Sec. 30 T33N R. 5W

Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Union Oil Company of California

Attorney In Fact

Date December 13, 1962

* 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 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.

134567

FILED

Filed 10:00 o'clock A.M.
1919
M. L. Harris
County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA
By M. L. Harris Deputy

RECEIVED

33 N - 54 - 30
County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Bill Rose
Address Cut Bank

Date well started May 29
completed June 9

Type of well drilled

Equipment used Cable tools

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

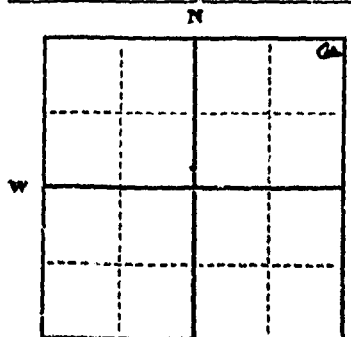
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*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 2,592,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
<u>8 1/2"</u>	<u>1 1/2"</u>	<u>185</u>	<u>140</u>	<u>185 to 140</u>



16 16 30
T. 33 N. R. 5 W.

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

Driller's Signature Geo Jensen

Driller's Address Box 1993 Cut Bank

LICENSE NO. 30

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) 3740

From (Feet)	To (Feet)	
<u>0</u>	<u>14</u>	<u>Surface</u>
<u>15</u>	<u>20</u>	<u>Sandstone</u>
<u>15</u>	<u>20</u>	<u>Yellow Clay</u>
<u>20</u>	<u>35</u>	<u>Dark silty clay</u>
<u>35</u>	<u>45</u>	<u>Sand Water</u>
<u>45</u>	<u>55</u>	<u>Blue Shale</u>
<u>55</u>	<u>57</u>	<u>Brown Shale</u>
<u>57</u>	<u>65</u>	<u>Sandy grey shale</u>
<u>65</u>	<u>80</u>	<u>Light grey shale</u>
<u>80</u>	<u>100</u>	<u>Light grey shale</u>
<u>100</u>	<u>107</u>	<u>Grey and Green Shale</u>
<u>107</u>	<u>127</u>	<u>Grey Shale</u>
<u>127</u>	<u>135</u>	<u>Dark grey shale</u>
<u>135</u>	<u>145</u>	<u>Brown shale</u>
<u>145</u>	<u>155</u>	<u>Grey shale</u>
<u>155</u>	<u>166</u>	<u>Sandy grey shale</u>
<u>166</u>	<u>168</u>	<u>Hard Shell</u>
<u>168</u>	<u>185</u>	<u>Sand - Water</u>
<u>185</u>	<u>185</u>	<u>Shale</u>

185 Show exact depth of bottom

36155

GW 1

File No.

T 33N R 5W NPM

DUPLICATE

County Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

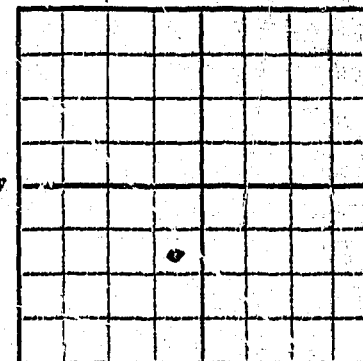
RECEIVED
SEP 10 1963

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

- I, Union Oil Company of California, of Box 298 Cut Bank
(Name of Appropriator) (Address) (Town)
County of Glacier, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.
- The beneficial use to which water is to be applied is Expanding the existing waterflood project
(describe lands to be benefited, if for irrigation)
- The rate of use in gallons per minute or miner's inches of groundwater claimed 125 GPM
- The annual period (inclusive dates) of intended use 365 days
- The probable or intended date of first beneficial use October 1, 1963
- The probable or intended date of commencement and completion of the well* or wells*
September 10, 1963
- The location, type, size and depth of well or wells contemplated 1980' S/N, 930' W/E
Cable tool hole with 7" casing cemented
- The probable or estimated depth of the water table or artesian aquifer 280' below surface
- Name, address and license number of the driller engaged
N. H. D. Drilling Company, Box 297, Cut Bank, Montana - License Number 130
- Give such other similar information as may be useful in carrying out the policy of this act.....



SE. NE. 1/4 Sec. 32 T33N R. 5W

Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator

Attorney In Fact

August 28, 1963

* 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 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.

5806

#166881

FILED

4:10 o'clock 1976

County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA

By *[Signature]* Deputy

137339

FILED

at 10:45 a.m.
1963
M. J. Lawrence
County Clerk and Ex. Officer, Recorder of
GLACIER COUNTY MONTANA
C. L. Hagg Deputy

RECEIVED

File No. _____

T 33N R 5W

DUPLICATE

County Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

RECEIVED
NOV 7 1963
STATE ENGINEER

Top of Ground

(Elev. above sea level 3824)

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Union Oil Company Address Cat Bank, MontanaDriller M.H.O. Drilling Co. Address Cat Bank, Montana

Date of Notice of Appropriation of Groundwater _____

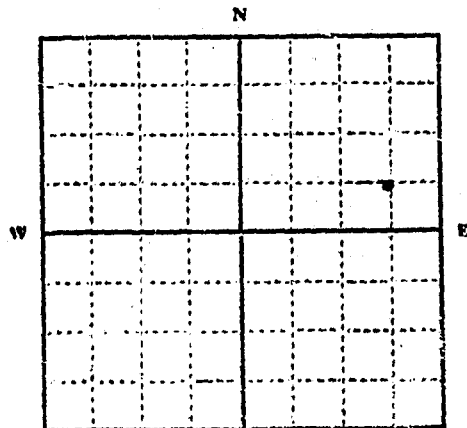
Date well started 9/10/63 Date Completed 9/25/63

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	7" - 20'	0	282			



SE 1/4 NE Sec. 32 T. 33N R. 5W
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 220 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 230 feet at 80 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Pump Length of Test 3 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) _____

Cemented w/ 150 sz.

130

Driller's License Number

M.H.O. DRILLING COMPANY

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.

6965

137996

Section
Inspector
Office

Case
Assigned
Date

Case
Assigned
Date

Received with the right to copy and use in the
report of a case in accordance with the
policy of the department and the
policy of the state of Montana.

Report of the
Inspector of the
Department of
Justice

Report of the
Inspector of the
Department of
Justice

Report of the
Inspector of the
Department of
Justice

Report of the
Inspector of the
Department of
Justice

Report of the
Inspector of the
Department of
Justice

Report of the
Inspector of the
Department of
Justice

FILED
10:05 o'clock
M. L. Harrison
County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA
Deputy

RECEIVED
CLERK
10:05
10:05

File No.

T 33 R 5

DUPLICATE

County GLACIER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

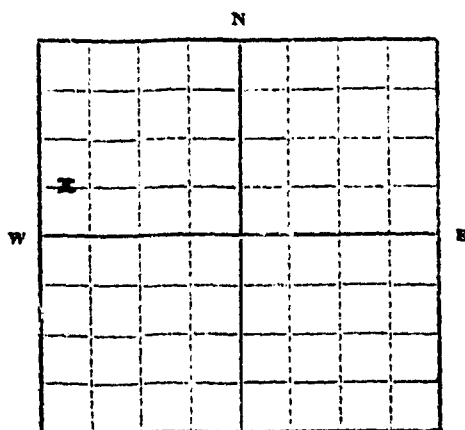
RECEIVED
JUL 19 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. DOLLIE CORRIGNEUX of CUT BANK
(Name of Appropriator) (Address) (Town)
County of GLACIER State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



W1/4 Sec. 34 T. 33 R. 5

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

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

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been.....
Since 1953

4. The amount of groundwater claimed (in miner's inches or gallons
per minute).....
7.105 Cubic Feet per second

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
SW1/4 Section 26 Owner--Lattie Lockhoff
NE1/4, SE1/4, W1/4 Section 33
SW1/4 Section 33
W1/4 Section 34 All in Range 5W Township 3N

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

Electric Pump -- Well 34-33-5

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater.....
Approximately 1953

8. The depth of water table..... 5 feet of water--Well 331 feet deep

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.....

Private surface well, 339 feet deep, 8' water table

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

11. The log of formations encountered in the drilling of each well if available.....
Top of medium sand--260 feet Bottom of sand--339 feet
Bottom of med. sand--276 feet 8 feet of dry sand
Top Eagle sand--299 feet
Top of Water--331 feet

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.....

not previously recorded

Signature of Owner.....
Dollie Corrigneux

Date.....
7/18/63

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.

587

136576

FILED

3:25 P
7-18 1963
W. L. Mann
County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA
Deputy

File No.

T. 33 R. 5 W. SW

DUPLICATE

County Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

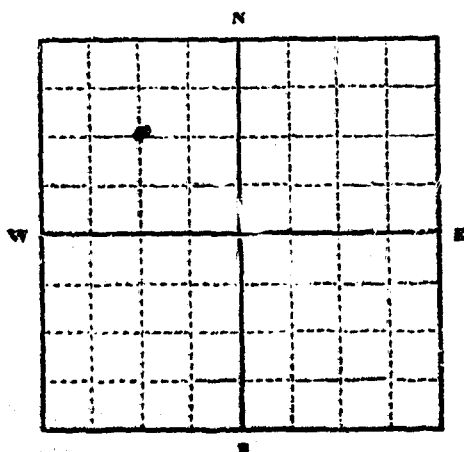
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

RECEIVED
DEC 26 1963

STATE ENGINEER

Date of Appropriation of Groundwater.....

Owner Bert Hartman Address Ethridge MontContractor (if any) not availableAddress of Contractor not availableDate Started about 1937 Date Completed same yearDescribe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. natural process ofrun off from hills

Center NW 1/4 Sec. 32 T. 33 R. 5 W.

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. whenfull well water about 200 head
of cattle for about 2 years
when used year aroundSignature of Owner Bert HartmanDate Dec 16 1963

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

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

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

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

123773

FILED

10:10 a.m. 10/10/23
12:23 p.m. 10/10/23
11:25 p.m. 10/10/23
County Clerk and Ex-Officio Recorder
GLACIER COUNTY, MONTANA
Rita Depp