

#178

County of ...
Filed July 17 1963

at 11:50 o'clock 21.

at 11:15 General
Donny L. Dengel
County Executive

43/2

File No.

T. 15N. R. 29E.

DUPLICATE

County. Petroleum

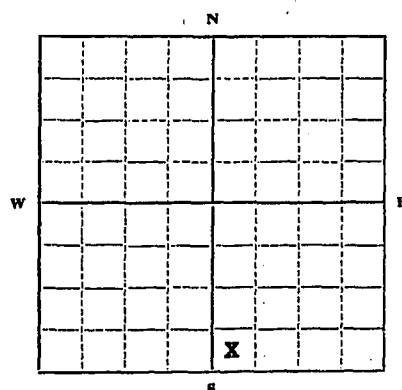
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JUL 18 1963
STATE ENGINEER

1. Continental Oil Company, of Bank Electric Bldg. Lewistown
(Name of Appropriator) (Address) (Town)
County of Fergus State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 SE Sec. 10 T15N R. 29E

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. Supply water for Cat Creek waterflood
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. November, 1959 - continuous since
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 96 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. Turbine pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Began Aug. 12, 1959, completed August 15, 1959
8. The depth of water table Third Cat Creek Sand 1700' to 1794'
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. 8 5/8", 24#, J-55 casing at 1705' with 470 sacks regular cement. Completed open hole 1866'.
10. The estimated amount of groundwater withdrawn each year. 1,204,500 bbls./year.
11. The log of formations encountered in the drilling of each well if available.
 - 1327'-1485' - 1st Cat Creek
 - 1551'-1615' - 2nd Cat Creek
 - 1700'-1794' - 3rd Cat Creek
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.

CONTINENTAL OIL COMPANY

Signature of Owner R. M. Daniel
Acting District Superintendent
Date July 15, 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.

5079

22033

#176

STATE OF MONTANA, }
County of Petroleum. }

Filed JUL 17 1968 19

at 11:10 o'clock A.M.

Donny L. Dangel
County Clerk.

6/2/00

RECORDED

STATE EXHIBIT

G.W.

DOC # 15622
MONTANA WATER RESOURCES BOARD
Water Resources Survey

77-248

16, 19, 18

14

NOTICE OF APPROPRIATION

1. County PETROLEUM Book 77 Page 248 Record MISC
2. Name of Appropriator CONTINENTAL OIL CO.

Address

3. Date Appropriated JUNE 7, 1957 Date Filed JUNE 7, 1957
Amount Appropriated, Miners Inches UP TO 10,000 BARRELS PER DAY, Cubic Feet, Per Sec.

4. Name of Stream THIRD CAT CREEK SAND WELL #14
Tributary of _____ Basin _____

5. Purpose, Irrigation ☐ Domestic ☐ Stock ☐ Other ☒ *

6. Land Description of Intended Place of Use:

Quarter	Sec.	Twp.	Rge.	Quarter	Sec.	Twp.	Rge.
	11, 12						
	13 & 14	15N	29E				

7. Point of Diversion: WELL #14 LOCATED 1100' FEL & 1640' FNL
Quarter of Section _____ Section 14 Township 15N Range 29E
Bank of Stream Left ☐ Right ☐ (Looking Downstream.)

8. Size of Ditch _____
Bottom Width _____ Top Width _____ Depth _____

Direction of Flow of Ditch _____

9. Remarks (Present Use Status, etc.) * TO WATER FLOOD OIL PRODUCING
HORIZONS OF CAT CREEK FIELD
3" PIPE

PLATTED BY D. F. Smith
CHECKED BY _____

35

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AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 15N R. 29E

County. Petroleum

Green 1 Lease Well #20

WATER WELL LOG

Owner Continental Oil Co. Address Box 878, Powell, Wyoming

Driller Address

Date Started 4-23-24 Date Completed

Location: Sec. 11 T. 15N R. 29E 1/4 sec. SW SE

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

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

Casing: Surface ft. to 1205 ft. Type 24 lb Size 8 1/4"

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 Open hole

Static Water level, for non-flowing well: feet

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

Pumping water level 1205 feet at 30 BW/No. gal. per min.

How tested: Test Tank

Length of test

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

Produced water to be used in water flooding. At present well is used to produce oil and water.

(over)

Log of Well

[illegible]

Continental Oil Co

2/5/21

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AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 15N R. 29E

County Petroleum

Petroleum 56 Lease, Well #16

WATER WELL LOG

	X		

Owner Continental Oil Co. Address Box 878, Powell, Wyoming

Driller Address

Date Started 4-12-49 Date Completed 5-4-49

Location: Sec. 11 T. 15N R. 29E 1/4 sec. SE SE SW

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other: Water flooding

Casing: Surface ft. to 1500 ft. Type 1 1/2 lb Size 5 1/2"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 1780 to ft. 1805 Ft. to ft.

Type of perforations Shot

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

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

Pumping water level 1780 feet at 1250 BW/Mo. gal. per min.

How tested: Tank Test

Length of test

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

Water to be used for water flooding. At present well is producing oil and water.

(over)

Continental oil Co

18
U.R.M.

STATE OF MONTANA, ss.
County of Petroleum.

Filed Aug 28 1957

at 9:00 o'clock A M.

Volma R. Merten
County Recorder.

Deputy

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AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 15N R. 29E
County Petroleum
Petroleum 56 Lease, Well #11

WATER WELL LOG

Owner Continental Oil Co. Address Box 878, Powell, Wyoming
Driller _____ Address _____
Date Started 2-27-23 Date Completed 3-18-23
Location: Sec. 11 T. 15N R. 29E $\frac{1}{4}$ sec. SE SW

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

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

Casing: Surface ft. to 1476 ft. Type - Size 6 5/8"

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 Open hole

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

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

Pumping water level 1476 feet at 60 BW/Mo. gal. per min.

How tested: Tank test

Length of test: _____

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
Water to be used for water flooding. At present well is producing oil and water.

(over)

Log of Well

[illegible]

19
U. Rm.

AUG 30 1957

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T 15N R 29E

County Petroleum
Petroleum 56 Lease, Well #10

Owner Continental Oil Co. Address Box 878, Powell, Wyoming

Driller.....Address.....

Date Started 1-29-23 Date Completed 2-16-23

Location: Sec. 11 T. 15N R. 29E $\frac{1}{4}$ sec. SE SW

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

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

Casing: Surface ft. to 1485 ft. Type - Size 6 5/8"

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..... **Open hole**

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

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

Pumping water level 1485 feet at 30 BW/Mo. gal. per min.

How tested: Tank test

Length of test.....

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

Water to be used for water flooding. At present, the well is producing oil and water.

(over)

Log of Well

[illegible]

20
Continental oil Co.
U.R.M.

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AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 15N R. 29E

County Petroleum
Petroleum 56 Lease, Well #9

WATER WELL LOG

	X		

Owner Continental Oil Co. Address Box 879, Powell, Wyoming
Driller Address
Date Started 10-28-22 Date Completed 11-13-22
Location: Sec. 11 T. 15N R. 29E 1/4 sec. SE SW

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

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

Casing: Surface ft. to 1465 ft. Type - Size 6 5/8"

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 Open hole

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

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

Pumping water level 1465 feet at 190 BW/Mo. gal. per min.

How tested: Tank test

Length of test

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

Water to be used for water flooding. At present well is producing oil and water.

(over)

Log of Well

[illegible]

Continental and Co.

21
L.R.m.

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MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T 15N R 29E

County Petroleum
Petroleum 56 Lease, Well #7

STATE ENGINEER

WATER WELL LOG

		X	

Owner Continental Oil Co. Address Box 878, Powell, Wyoming

Driller Address

Date Started 7-29-22 Date Completed 8-14-22

Location: Sec. 11 T. 15N R. 29E ¼ sec. SE SW

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

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

Casing: Surface ft. to 1470 ft. Type - Size 6 5/8"

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 Open hole

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

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

Pumping water level 1470 feet at 60 Bbl./Mo. gal. per min.

How tested: Tank test

Length of test

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

Water to be used for water flooding. At present well is producing oil and water.

(over)

Log of Well

[illegible]

22
L.F.M.

Copy of the original.

Filed Oct 28 1957

9:00 o'clock A. M.

Valencia, J. M. M.
County recorder.

Deputy

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AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 15N R. 29E

County Petroleum
Petroleum 56 Lease, Well #4

WATER WELL LOG

	X		

Owner Continental Oil Co. Address Box 873, Powell, Wyoming

Driller Address

Date Started 6-9-21 Date Completed 6-26-21

Location: Sec. 11 T. 15N R. 29E 1/4 sec. SE SW

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other: Water flooding

Casing: Surface ft. to 1526 ft. Type - Size 8 1/4"

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 Open hole

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

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

Pumping water level 1526 feet at 20 BW/Mo. gal. per min.

How tested: Tank test

Length of test

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

Water to be used for water flooding. At present well is producing oil and water.

(over)

Log of Well

[illegible]

Continental oil Co. $\frac{23}{V. P. 107.}$

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AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

T. 15N R. 29E

County Petroleum

Petroleum 56 Lease, Well #3

	X	

Owner Continental Oil Co. Address Box 878, Powell, Wyoming

Driller Address

Date Started 5-9-21 Date Completed 5-27-21

Location: Sec. 11 T. 15N R. 29E 1/4 sec. SE SW

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other: Water flooding

Casing: Surface ft. to 1324 ft. Type - Size 8 1/4"

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 Open hole

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

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

Pumping water level 1324 feet at 190 BW/No. gal. per min.

How tested: Tank test

Length of test

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

Produced water to be used for water flooding. At present well is producing oil and water.

(over)

Log of Well

[illegible]

Continental Dr.

24
U. R. m

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AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 15N R. 29E

County Petroleum
Petroleum 56 Lease, Well #2

WATER WELL LOG

	x		

Owner Continental Oil Co. Address Box 878, Powell, Wyoming

Driller Address

Date Started 1-31-21 Date Completed 3-3-21

Location: Sec. 11 T. 15N R. 29E 1/4 sec. SE SW

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

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

Casing: Surface ft. to 1284 ft. Type - Size 8 1/4"

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 Open hole

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

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

Pumping water level 1284 feet at 27 BW/Mo. gal. per min.

How tested: Tank test

Length of test

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

Produced water to be used for water flooding. At present well is producing oil and water.

(over)

Log of Well

[illegible]

Continental oil Co.

25
U. R. m.

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AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 15N R. 29E

County Petroleum
Wildschutz Lease Well #2

WATER WELL LOG

x			

Owner Continental Oil Co. Address Box 878, Powell, Wyo.

Driller Address

Date Started 1-11-21 Date Completed 1-28-21

Location: Sec 13 T. 15N R. 29E 1/4 sec. NW NW

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other:

Casing: Surface ft. to 1301 ft. Type - Size 10"

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 Open hole

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

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

Pumping water level 1301 feet at 13,500 BW/Mo. gal. per min.

How tested Tank test

Length of test

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

Water to be used for water flooding. At present, well is producing oil and water.

(over)

Log of Well

[illegible]

Continental oil Co. 43
U.S.M.

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AUG 10 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 15N R. 29E

County Petroleum
Green 2 Lease, Well #2

WATER WELL LOG

		X

Owner Continental Oil Co. Address Box 878, Powell, Wyo.
Driller Address
Date Started 3-12-21 Date Completed 4-24-21
Location: Sec 14 T. 15N R. 29E 1/4 sec. NW NE

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

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

Casing: Surface 1216 ft. to 204 ft. Type 6 5/8"

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 Open hole

Static Water level, for non-flowing well: feet

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

Pumping water level 1216 feet at 1500 BR/No. gal. per min.

How tested: Tank Test

Length of test

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

Produced water to be used in water flooding. At present well is used to produce oil and water.

(over)

Log of Well

[illegible]

Continental oil Co. $\frac{7}{16}$ R. m.

RECEIVED
AUG 10 1947

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 15N R. 29E
County Petroleum
Green 2 Lease, Well #4

WATER WELL LOG

X			

Owner Continental Oil Co. Address Box 878, Powell, Wyo.
Driller Address
Date Started 6-19-22 Date Completed 7-4-22
Location: Sec. 14 T. 15N R. 29E 1/4 sec. NW NE

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

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

Casing: Surface ft. to 1190 ft. Type 24# Size 8 1/4"
Casing: ft. to ft. Type Size
Casing: ft. to ft. Type Size
Perforated or Screened: Ft. 1160 to ft. 1190 Ft. to ft.

Type of screen or perforations Slots

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

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

Pumping water level 1190 feet at 30 BW/No. gal. per min.

How tested: Test Tank

Length of test:

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
Produced water to be used in water flooding. At present well is used to produce oil and water.

(over)

Log of Well

[illegible]
$$\frac{8}{v.R.m.}$$

RECEIVED
AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T 15N R 29E

County Petroleum
Green 2 Lease, Well #5

WATER WELL LOG

		X

Owner Continental Oil Co. Address Box 878, Powell, Wyo.

Driller Address

Date Started 8-1-22 Date Completed 8-18-22

Location: Sec 14 T 15N R 29E 1/4 sec NW NE

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other: Water Flooding

Casing: Surface ft. to 1419 ft. Type 30# Size 6 5/8"

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 Open Hole

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

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

Pumping water level 1419 feet at 330 BW/Mo. gal. per min.

How tested: Test Tank

Length of test

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

Produced water to be used in water flooding. At present well is used to produce oil and water.

(over)

Log of Well

[illegible]

Continental oil Co.

$$\frac{q}{v \cdot \delta m}$$

RECEIVED

AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

T. 15N R. 29E

County Petroleum

Green 2 Lease, Well #6

	X		

Owner Continental Oil Co. Address Box 878, Powell, Wyo.

Driller Address

Date Started 11-24-22 Date Completed 12-14-22

Location: Sec. 14 T. 15N R. 29E 1/4 sec. NW NE

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other: Water Flooding

Casing: Surface ft. to 1404' ft. Type 20# Size 6 5/8"

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 Open Hole

Static Water level, for non-flowing well: feet

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

Pumping water level 1404 feet at 30 BW/40 gal. per min.

How tested: Tank Test

Length of test

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

Produced water to be used in water flooding. At present well is used to produce oil and water.

(over)

Log of Well

Deputy
$$\frac{10}{U.R.h.m.}$$

RECEIVED
AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 15N R. 29E
County Petroleum
Green 2 Lease, Well #10

WATER WELL LOG

			X

Owner Continental Oil Co. Address Box 878, Powell, Wyo.
Driller Address
Date Started 6-21-24 Date Completed 7-5-24
Location: Sec. 14 T. 15N R. 29E 1/4 sec. NW NE

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

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

Casing: Surface ft. to 1203 ft. Type 20# Size 6 5/8"

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 Open Hole

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

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

Pumping water level 1200 feet at 1500 BW/Mo. gal. per min.

How tested: Tank Test

Length of test:

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

Produced water to be used in water flooding. At present well is producing oil and water.

Log of Well

[illegible]

Continental Oil Co

$$\frac{11}{6.5 \text{ m.}}$$

RECEIVED
AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 15N R. 29E

County Petroleum

Green 1 Lease, Well #18

WATER WELL LOG

	X	

Owner Continental Oil Co. Address Box 878, Powell, Wyoming

Driller Address

Date Started 6-24-23 Date Completed 7-10-23

Location: Sec. 14 T. 15N R. 29E 1/4 sec. NE NW

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other: Water flooding

Casing: Surface ft. to 1320 ft. Type 24 lb. Size 8 1/4"

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 Open hole

Static Water level, for non-flowing well: Not available feet.

Shut-in pressure, for flowing well: Not available lb./sq. in. on: (date)

Pumping water level 1320 feet at 550 BW/Mo. gal. per min.

How tested: Test tank

Length of test

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

Produced water to be used in water flooding. At present well is producing oil and water.

Log of Well

[illegible]

Continental oil Co.

$$\frac{12}{U.S.m}$$

RECEIVED
AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 15N R. 29E

County Petroleum

Green 1 Lease, Well #19

WATER WELL LOG

	x	

Owner Continental Oil Co. Address Box 878, Powell, Wyoming

Driller Address

Date Started 10-21-23 Date Completed 11-4-23

Location: Sec. 14 T. 15N R. 29E 1/4 sec. NE NW

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other: Water flooding

Casing: Surface ft. to 1310 ft. Type 40 lb Size 10"

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 Open hole

Static Water level, for non-flowing well: Not available feet.

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

Pumping water level 1310 feet at 300 BW/Kc. gal. per min.

How tested: Test tank

Length of test

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

Produced water to be used in water flooding. At present well is producing oil and water.

(over)

Log of Well

[illegible]

Continental oil Co.

$$\frac{1}{3} \frac{U \cdot R \cdot n_1}{\dots}$$

RECEIVED
AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

			X

T. 15N R. 29E
County Petroleum
Clayton 7 Lease, Well #14
Owner Continental Oil Co. Address Box 378, Powell, Wyoming
Driller Address
Date Started 9-30-24 Date Completed 10-13-24
Location: Sec. 14 T. 15N R. 29E ¼ sec. SE NE

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

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

Casing: Surface ft. to 127½ ft. Type 24 lb Size 8 1/4"

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 Open hole

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

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

Pumping water level 127½ feet at 280 BW/Mo. gal. per min.

How tested: Tank test

Length of test

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

Water being used for water flooding.

(over)

Log of Well

[illegible]

Continental oil Co

$$\frac{4.8 \text{ m}}{14}$$

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AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 15N R. 29E

County Petroleum

Clayton 7 Lease, Well #10

WATER WELL LOG

			x

Owner Continental Oil Co. Address Box 378, Powell, Wyoming

Driller Address

Date Started 10-3-22 Date Completed 10-27-22

Location: Sec. 14 T. 15N R. 29E 1/4 sec. NE NE

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other: water flooding

Casing: Surface ft. to 1147 ft. Type 24 lb. Size 6 1/4"

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 Open hole

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

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

Pumping water level 1147 feet at 1050 BW/Mo. gal. per min.

How tested: Tank Test

Length of test 20 BW/Mo.

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

Water to be used for water flooding. At present well is used to produce oil and water.

(over)

Log of Well

[illegible]

Continental oil Co.

$$\frac{15}{U.R. m.}$$

RECEIVED
AUG 30 1957

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 15N R. 29E

County Petroleum
Clayton 7 Lease, Well #6

STATE ENGINEER

WATER WELL LOG

x			

Owner Continental Oil Co. Address Box 878, Powell, Wyoming

Driller Address

Date Started 4-12-22 Date Completed 5-4-22

Location: Sec. 14 T. 15N R. 29E 1/4 sec. SE NW

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

Water use: Domestic ☐ Mc ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other: Water flooding

Casing: Surface ft. to 1230 ft. Type 20 lb Size 6 5/8"

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 Open hole

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

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

Pumping water level 1230 feet at 2700 BW/EO. gal. per min.

How tested: Tank test

Length of test

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

Water to be used for water flooding. At present well is producing oil and water.

(over)

Log of Well

[illegible]

Continental oil Co. $\frac{16}{b.p. m.}$

RECEIVED
AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

		x	

T 15N R 29E

County Petroleum
Clayton 7 Lease, Well #2

Owner Continental Oil Co. Address Box 878, Powell, Wyo.

Driller Address

Date Started 10-13-20 Date Completed 10-27-20

Location: Sec. 14 T 15N R 29E 1/4 sec. NE NE

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other: water flooding

Casing: Surface ft. to 1160 ft. Type 20 lb Size 6 5/8"

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 Open hole

Static Water level, for non-flowing well: feet

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

Pumping water level 1160 feet at 2600 BW/Mo. gal. per min.

How tested: Tank test

Length of test

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

Water to be used for water flooding. At present well is producing oil and water.

(over)

[illegible]

Continental Oil Co.

17
U.P. 121

RECEIVED
AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 15N R. 29E
County Petroleum
Cleary Lease Well #1

WATER WELL LOG

	X		

Owner Continental Oil Co. Address Box 878, Powell, Wyo.
Driller Address
Date Started 3-30-23 Date Completed 5-16-23
Location: Sec. 14 T. 15N R. 29E 1/4 sec. SE NW

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

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

Casing: Surface ft. to 1358 ft. Type 28# Size 8 1/4"
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 Open hole

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

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

Pumping water level 1358 feet at 60 BW/Mo. gal. per min.

How tested: Tank Test

Length of test

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

Produced water to be used for water flooding. At present well is producing oil
and water.

(over)

Log of Well

[illegible]

Continental Oil Co.
44 / U.P.M.

14

File No.

T. 15N R. 29E

DUPLICATE

County.....Petroleum

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

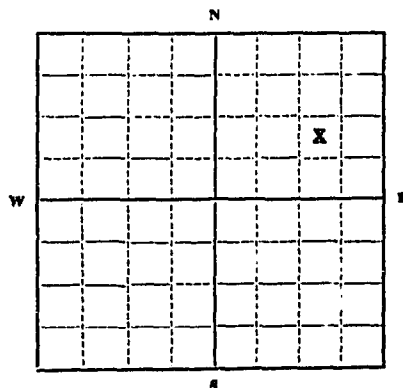
RECEIVED
JUL 18 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Continental Oil Company, of Bank Electric Bldg. Leviatown
(Name of Appropriator) (Address) (Town)
County of Fergus State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NE Sec. 14, T. 15N R. 29E

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

Clayton 7, Well No. 14

2. The beneficial use on which the claim is based. Domestic use for Cat Creek camp
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. August, 1950
4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. 2" tubing, 5/8" sucker rods, pump jack

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Sept, 1924 original well 1508', April, 1927, deepened to 1680' as water well, August, 1950 put into use as domestic water well.
8. The depth of water table. Third Cat Creek Sand 1653' to 1680'
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. Production string 5 3/16", 17#, casing set at 1600'. Produced open hole 1600' to 1650'.
10. The estimated amount of groundwater withdrawn each year. N/A
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.....

CONTINENTAL OIL COMPANY

Signature of Owner.....

Acting District Superintendent

Date. July 15, 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.

5080

22034

#177

STATE OF MONTANA,
County of Petroleum.

Filed JUL 12 1963 19

at 11:10 o'clock A.M.

Garry L. Dwyer
County Recorder.

8/2/63

File No.

DUPLICATE

T. 15. N. R. 29. E.

County. Petroleum

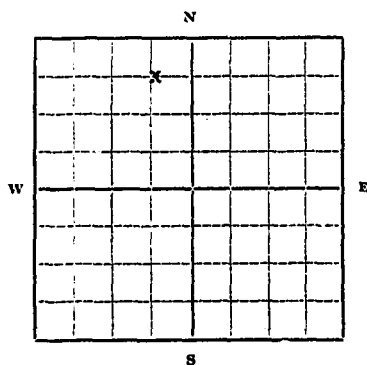
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
FEB 18 1963

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

STATE ENGINEER

1. L. C. Thorsen and Bessie Thorsen, of Cat Creek
(Name of Appropriator) (Address) (Town)
County of Petroleum State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4, NW Sec. 15, T. 15N. R. 29E

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

2. The beneficial use on which the claim is based Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1922 and continuously thereafter.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) One gallon per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Artesian well located in NE 1/4 NW 1/4 Sec. 15, Township 15 North, Range 29 East, T.P.M.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced and completed in 1922
8. The depth of water table 1800 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 10" casing 1800 ft. in depth.
10. The estimated amount of groundwater withdrawn each year 518,400 gallons.
11. The log of formations encountered in the drilling of each well if available unknown
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. none

Signature of Owner L. C. Thorsen
Bessie Thorsen

Date February 15, 1963

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

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

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

21854

#176
AC

STATE OF MONTANA, }
County of Petroleum. } ss.

Filed February 15 1963

at 3:55 o'clock P. M.

Bonny L. Dengel

County Recorder.

Revin Powell
Deputy

File No.

T. 15 N R. 29 E

DUPLICATE

County Petroleum

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

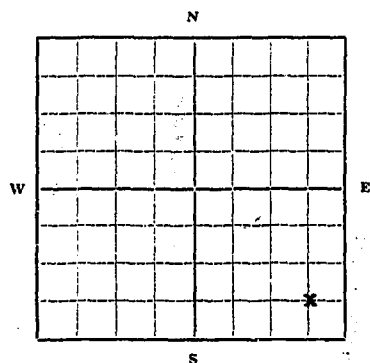
RECEIVED
FEB 18 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. L. C. Thorsen of Cat Creek
(Name of Appropriator) (Address) (Town)
County of Petroleum 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, T15N, R29E.

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

2. The beneficial use on which the claim is based Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been December of 1958 and continuously thereafter.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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 none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Gas motor and pump jack located in SE1/4SE1/4 Sec. 17, Township 15 North, Range 29 East, M.P.M.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced December of 1958; completed January, 1959.
8. The depth of water table 2100 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 3" casing 2100' deep in cemented hole, with gas motor and pump jack for withdrawal of water.
10. The estimated amount of groundwater withdrawn each year 2,592,000 gallons
11. The log of formations encountered in the drilling of each well if available unknown
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner.

L. C. Thorsen

Date February 15, 1963.

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

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

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

3635.

21853

#175
RC

STATE OF MONTANA, } ss.
County of Petroleum. }

Filed February 15 1943

at 3:45 o'clock P. M.

Bonny L. Dengel

County Recorder.

Doris Powell
Deputy

File No.

JUN 22 1966

T. 15N R. 29E

DUPLICATE

County. Petroleum

LOG

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Top of Ground

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

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

(Under Chapter 237, Montana Session Laws, 1961)

(Elev. above sea level)
0
6
33
71
84
90
94

SURFACE SOIL

SAND-SHELL STRIPS.

SAND+SOFT SHALE STRIPS.

SAND+HARD SAND STRIPS.

SAND-GOOD PERISTY (H₂O)

SHALE+HARD STRIPS. T.D.

Owner. Henry Pitt Address. Lewistown, Mont.

Driller. Munson Drilling Co. Address. Grass Range, Mont.

Date of Notice of appropriation of groundwater. Not Applicable

Date well started. Apr. 26-1966 Date completed. Apr. 30-1966

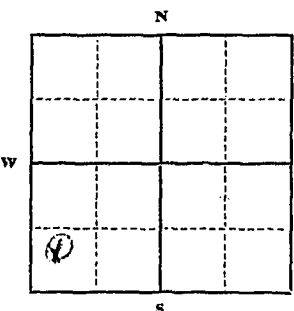
Type of well. drilled Equipment used. Rotary

(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 1/4"	15#	0	94	Regrd.	80	90
5 1/2"		0	94			



Static Water Level for non-flowing well 30 feet.

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

Pumping Water Level 80 feet

at 3 1/4 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailing

Length of Test Regular intervals

Remarks. (Gravel packing, cementing, pack-

ers, type of shutoff)

Cave Catcher

packer @ 15'-30'-81'

SW 1/4 Sec. 18 T. 15 R. 29
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

26

Driller's Signature

B. M. Munson

41161

24847 Water App. # 284

STATE OF MONTANA,
County of Petroleum, } ss.

Filed JUN 21 1966 19

at 11:20 o'clock A. M.

Sunny L. Dangel
Director of Records.

B. C. M.

Deputy

File No.

DUPLICATE

T. 15 N. R. 29 E.

County Petroleum

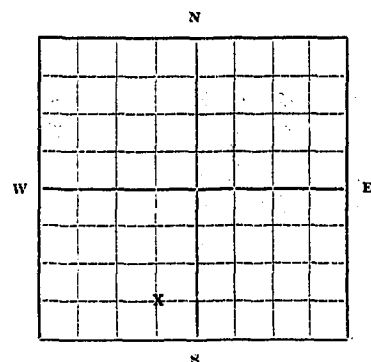
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
FEB 18 1963

STATE ENGINEER

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

1. L. C. Thorsen, of Cat Creek
(Name of Appropriator) (Address) (Town)
County of Petroleum State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4, SW Sec. 18, T. 15NR. 29E

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

2. The beneficial use on which the claim is based Stock water and household use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1913 and continuously thereafter.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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 Irrigated garden in SE1/4SW1/4 Sec. 18-15-29.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Well 8' wide by 29' deep cemented, with electric pump and jack located in SE1/4SW1/4 Sec. 18, Township 15 North, Range 29 East, N.P.M.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced and completed in 1913
8. The depth of water table unknown
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 8' wide and 29' deep cemented, with electric pump and jack.
10. The estimated amount of groundwater withdrawn each year 2,592,000 gallons
11. The log of formations encountered in the drilling of each well if available unknown
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner L. C. Thorsen

Date February 15, 1963

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

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

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

21855

#177
RC

STATE OF MONTANA, } ss.
County of Petroleum.

Filed February 15 1963

at 4:00 o'clock P. M.

Bonny L. Dengel

County Recorder.

Devin Carroll
Deputy.

File No.

DUPLICATE

T. 15N. R. Range 29E.

County Petroleum

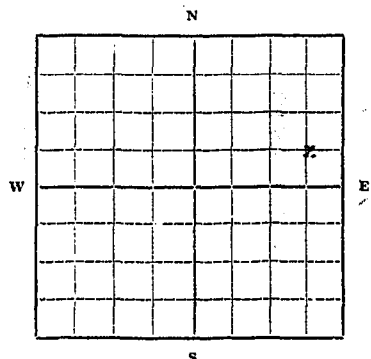
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
FEB 18 1963

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

STATE ENGINEER

1. Bessie Thorsen, of Cat Creek
(Name of Appropriator) (Address) (Town)
County of Petroleum State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NE Sec. 19, T. 15N. R. 29E

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1850 and continuously thereafter.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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 none

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal cement trough and diversion box in fenced area for water flow in SE1/4NE1/4 Sec. 19, Township 15 N., Range 29 E., M.P.M.

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

8. The depth of water table none

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 Cement trough 12' x 1' to divert water flow and make it available to livestock.

10. The estimated amount of groundwater withdrawn each year 2,592,000 gal.

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

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

Signature of Owner Bessie Thorsen

Date February 15, 1963.

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

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

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

21856

#178
RCL

STATE OF MONTANA, }
County of Petroleum. } ss.

Filed February 15 1963

at 4:05 o'clock P.M.

Bonny L. Dengel

County Recorder.

Doris Carroll
Deputy.