

GW 3

File No.....

T. 37 N R. 10 W

DUPLICATE

County Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUN 27 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

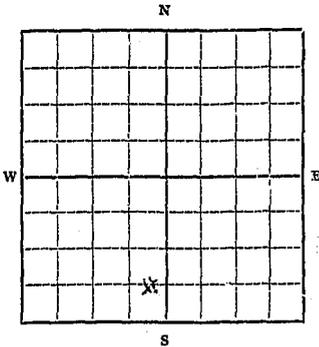
Owner John V. Anderson Address CUT Bank

Contractor (if any) John Stordahl

Address of Contractor CUT Bank

Date Started Aug 1967 Date Completed Aug 1967

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



improved old spring with backhoe
12 FT. deep

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

SW 1/4 Sec 27 T. 37 R. 10

Indicate point of appropriation and place of use, if possible.

20 gal per min.

Signature of Owner John V. Anderson

Date June 19 1963

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

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

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

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

136387

FILED

at 10:05 o'clock a
Sept 25 1963
M. J. Maxine
County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA
By John Peag Deputy

GW3

File No.

T. 37 N R. 10 W

DUPLICATE

County... ^{Blaine}

RECEIVED JUN 27 1963

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner John V. Anderson Address Cut Bank

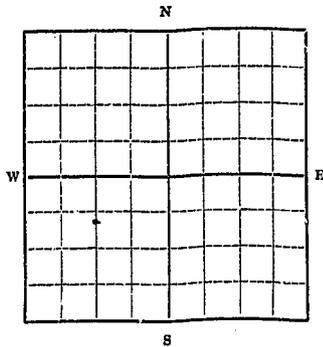
Contractor (if any)

Address of Contractor UNKNOWN

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

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

Springs - natural - improved -



NE 1/4 Sec. 29 T. 37 R. 10

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

20 gal per MIN.

Signature of Owner John V. Anderson

Date June 19 1963

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

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

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

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

136388

FILED

at 10:10 o'clock a

6:25 1963

Mr. Munnis

County Clerk and Ex-officio Recorder of

GLACIER COUNTY MONTANA

By James L. [Signature] Deputy

GW3

File No.

T. 37 N. R. 16 W

DUPLICATE

County Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUN 27 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater None

Owner John I. Anderson Address CUT BANK

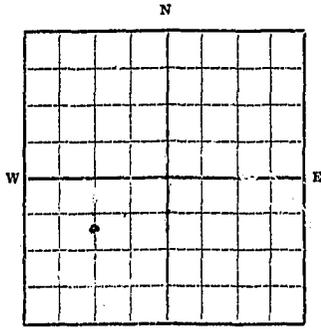
Contractor (if any) John Stordahl

Address of Contractor CUT BANK

Date Started Aug 1961 Date Completed Aug 1961

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

water when applicable. 12 Feet deep with a backhoe in sub irrigated area



NE 1/4 Sec. 29 T. 37 R. 16

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

Good STOCK WATER 10 gal per MIN

Signature of Owner John I. Anderson

Date June 19 1963

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

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

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

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

4805

136383

FILED

at 9:45 o'clock a
July 25 1963
M. J. Nasini
County Clerk and Ex-officio Recorder of
GLADWIN COUNTY, MONTANA
W. H. Hagg Deputy

File No.

T. 37 N. R. 10 W

DUPLICATE

County. Glacier

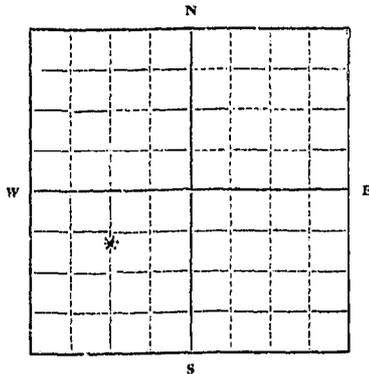
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUN 27 1963

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

1. John V. Anderson, of CoT 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:



NE 1/4 Sec. 29 T. 37 R. 10

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
WATER for general farm & Ranch use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1940 - continuous since

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 4 wells at 40 gal per min
40 gal per min

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
None

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

7. The date of commencement and completion of the construction of the well, wells, or of other works for withdrawal of groundwater. 1940 - one completed - second 1941 - third 1953
Fourth 1958

8. The depth of water table. 30 to 70'

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 wells approximately 30' deep
1 " " " " 68' deep

10. The estimated amount of groundwater withdrawn each year. 365,000

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. Don't have any other information

Signature of Owner. John V. Anderson
Date. June 19 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.

136385

FILED

at 9:55 o'clock M.
July 25 1963
M. L. Navini
County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA
By Rita Perry Deputy

CV

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

File No.

T. 37th R. 9th

DUPLICATE

County Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 23 1963

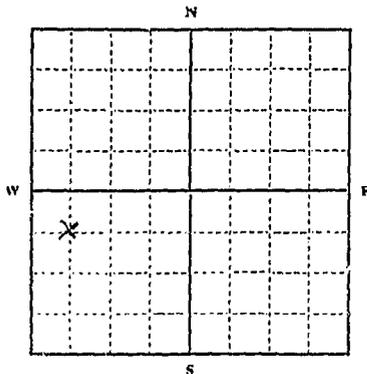
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. NIELSEN - OLSEN, 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.W. 1/4 SW 1/4 Sec. 5 T. 37 N. R. 9 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 drinking & livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1938
Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1.6 gallons

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

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

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

8. The depth of water table 60 feet from 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
Well has 7 inch casing, is 240 feet deep.

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

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

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 Nielson - Olsen
N. A. Olsen

Date Dec 20, 1963

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

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

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

138730

FILED
at 9:45 o'clock A
12-20 1913
M. L. Thomas
County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA
By Thomas Deputy

File No.

T 37^N R 9^W 12

DUPLICATE

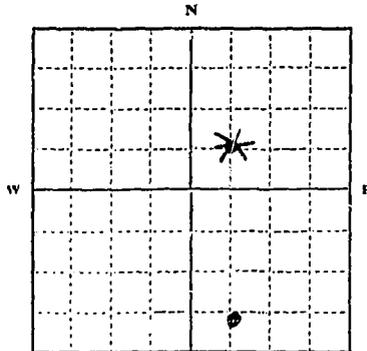
County Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 27 1963

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

1. William A. Johnson, of Cut Bank Montana
(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:



SW 1/4 SE 1/4
Sec. 12 T. 37 R. 9

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

- The beneficial use on which the claim is based garden irrigation & livestock
- Date or approximate date of earliest beneficial use; and how continuous the use has been 1955
- The amount of groundwater claimed (in miner's inches or gallons per minute) 3 gal per min.
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Gas Engine Jet Pump
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1955
- The depth of water table 15 ft
- 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 42 ft deep with 4 in casing
- The estimated amount of groundwater withdrawn each year 1,500,000
- The log of formations encountered in the drilling of each well if available none
- Each other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner William A. Johnson
Date 12/24/63

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.

138804

FILED

at 8:30 o'clock a M.

12-26 1963

Mad. Nannau

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

By Donna Little Deputy

File No.

T. 37^N R. 9^W
County Blaine

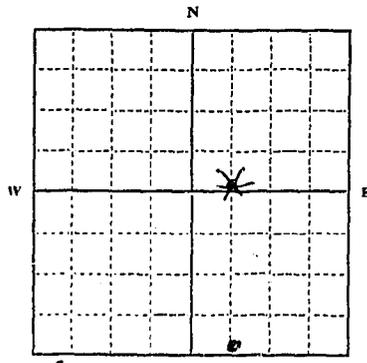
DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 27 1963

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

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



SW 4 SE 1/4
1/4 Sec. 12 T. 37 R. 9

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

- The beneficial use on which the claim is based. Domestic use & lawn.
- Date or approximate date of earliest beneficial use; and how continuous the use has been. 1955
- The amount of groundwater claimed (in miner's inches or gallons per minute) 2 gal per hr -
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Electric Jet Pump
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Fall of 1955
- The depth of water table. 15 ft -
- 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 38 ft with 4 in casing.
- The estimated amount of groundwater withdrawn each year. 1,000,000
- The log of formations encountered in the drilling of each well if available. None
- Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner William A. Johnson
Date 12/24/63

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.

138805

FILED

at 8:35 o'clock a M.

12-26 1963

M. L. Hanson

County Clerk and Ex-officio Recorder of

GLACIER COUNTY, MONTANA

By James L. D. Deputy

File No. _____

DUPLICATE

*Corrected
to NE 1/4 SW 1/4*

RECEIVED
Approved Stock Form—State Publishing Co., Helena, Montana—39089
T. 37 R. 9
14

STATE ENGINEER
STATE OF MONTANA

County Glacier

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 14 1962

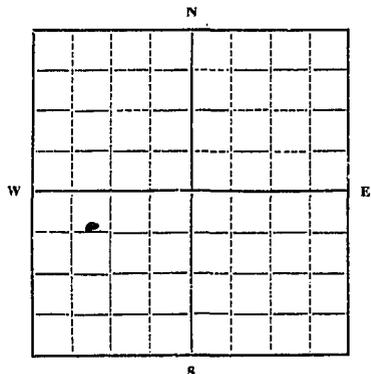
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Floyd Monroe, of CWT 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 1/4 SE 1/4 Sec. 14 T. 37 R. 9

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 DEC 1952 AND
EVERY YEAR SINCE

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
DON'T KNOW

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.....
DEC 1952

8. The depth of water table.....
5 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.....
DUG, 4 ft 8 ft

10. The estimated amount of groundwater withdrawn each year.....
APPROX 40,000 gal

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

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 Floyd Monroe
Date DEC 13 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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

134488

FILED *P*

At 4:25 o'clock *P* M.
12-13 1962
M. J. ...
County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA
By *J. ...* Deputy

GW2

File No.

DUPLICATE

T. 37 R. 9

County GLACIER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
RECEIVED
DEC 14 1962

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Floyd Monro Address CUT BANK

Driller Address

Date of Notice of Appropriation of Groundwater Dec 13 - 62

Date well started Nov 15 - 62 Date Completed Nov 20 - 62

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

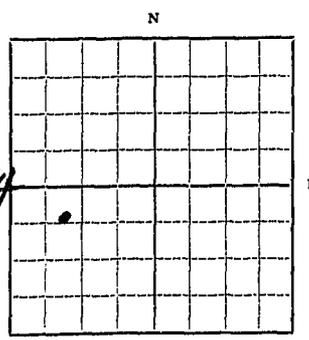
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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)
	<u>4ft culvert</u>					



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



NE 1/4 Sec. 14 T. 37 R. 9

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.....feet.

Shut-in Pressure for Flowing Well

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

Discharge in gal. per min. of flowing well

How Tested..... Length of Test.....

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

Driller's License Number

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.

2921

134487

FILED

at 11:20 o'clock P M.

12-13 1967

M. D. Dorman

County Clerk and Ex-officio Recorder of

GLACIER COUNTY, MONTANA

Dennis Casper Deputy

GW1

File No.

DUPLICATE

T. 37 R. 9

County GLACIER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

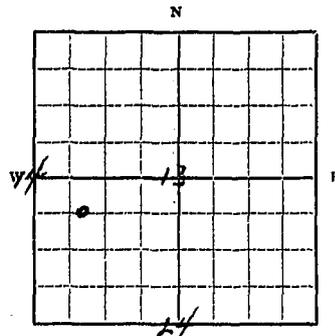
RECEIVED
DEC 14 1962

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

STATE ENGINEER

- I, FLOYD MOURNE, of 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 Home, Stock
(describe lands to be benefited, if for irrigation)
- The rate of use in gallons per minute or miner's inches of groundwater claimed Don't know
- The annual period (inclusive dates) of intended use JAN 1 Thru DEC 31
- The probable or intended date of first beneficial use DEC 1 1962
- The probable or intended date of commencement and completion of the well* or wells* NOV 15-62 NOV 20-62
- The location, type, size and depth of well or wells contemplated DUG, 4 ft 8 ft
- The probable or estimated depth of the water table or artesian aquifer 5 ft
- Name, address and license number of the driller engaged No Driller

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



NE 1/4, SE 1/4 Sec. 14 T. 37 R. 9

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

Signature of Appropriator Floyd Mourne

Date Dec 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.

137486

FILED *P*

at *4:10* o'clock *P* M.

12-13 19 *62*

M. K. Quinn

County Clerk and Ex-officio Recorder of

GLACIER COUNTY, MONTANA

By *L. J. ...* Deputy

File No.

T. 37 N R. 9 W

DUPLICATE

County Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

GATR # 1 - Cut Bank AFS

RECEIVED
OCT 20 1962

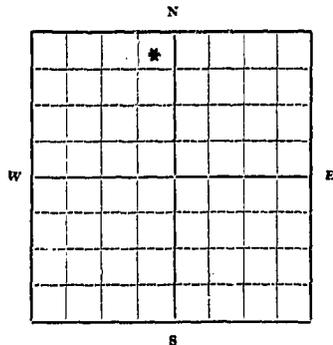
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)
ALBERT F. STRAUB, Chief, Acquisition Branch, Real Estate Division,
U.S. Army Engineer District, Seattle, for and on behalf of

STATE ENGINEER

1. THE UNITED STATES OF AMERICA of 1519 Alaskan Way South Seattle, WA
(Name of Appropriator) (Address) (Town)
County of King State of Washington

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



NE 1/4 NW 1/4 Sec. 17 T. 37N R. 9W

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 To be used by United States AF for its personnel in official duty
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been October 1959
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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 Pumped from well as shown or described on well log.

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced September 1959 - Completed October 1959
- 8. The depth of water table 229 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 8" - 222 feet
- 10. The estimated amount of groundwater withdrawn each year 50,000 Gallons
- 11. The log of formations encountered in the drilling of each well if available See attached log
- 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

For and on behalf of THE UNITED STATES OF AMERICA through U.S. ARMY ENGINEER DISTRICT, Seattle, Real Estate Division

Signature of Owner By: Albert F. Straub
ALBERT F. STRAUB, Chief,
Acquisition Branch

Date.....

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

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

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

Indict

1856

17

HOLE NO.

DEPARTMENT OF THE ARMY DIVISION <u>NORTH PACIFIC</u> INSTALLATION <u>SEATTLE DISTRICT</u>		1- PROJECT <u>CUTBANK A.F.S. MONTANA</u>	SHEET 1 OF 2
DRILLING LOG		2- LOCATION (Coordinates or Station) <u>NE 1/4 NW 1/4 SEC 17, T37N, R9W, MPM</u>	
3- DRILLING AGENCY <u>ETHEL WHITAKER - AUGUSTA, MONTANA</u>		5- NAME OF DRILLER	

4- HOLE NO. (As shown on drawing title and file no.)
CUTBANK GATR #1

6- DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		DEGREES WITH VERTICAL	7- THICKNESS OF OVERBURDEN <u>32'</u>	8- DEPTH DRILLED INTO ROCK <u>260'</u>	9- TOTAL DEPTH OF HOLE <u>292'</u>
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10- SIZE AND TYPE OF BIT <u>8" CABLE TOOL</u>	11- DATUM FOR ELEVATION SHOWN (75M or MSL) <u>M.S.L.</u>	12- MANUFACTURER'S DESIGNATION OF DRILL <u>BUCYRUS ERIE 22-W</u>
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13- TOTAL NO. OF OVERBURDEN SAMPLES TAKEN DISTURBED	UNDISTURBED	14- TOTAL NO. CORE BOXES	15- FLEV. ART GROUND WATER <u>229'</u>	16- DATE MOLE STARTED <u>24 SEP 59</u>	COMPLETED <u>14 OCT 59</u>
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17- ELEV. TOP OF HOLE <u>4394</u>	18- TOTAL CORE RECOVERY FOR BORING (%)	19- SIGNATURE OF INSPECTOR <u>R. GALSTER (ENG. DIV)</u>	D. KEPLER (CONST. DIV.)
--------------------------------------	--	--	-------------------------

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	REMARKS
4394	0			
4389	5	ML	BUFF-BROWN W/SMALL PEBBLES	8" DIA. CASING
		GW	SANDY WITH SOME BROWN SILT	
4362	32		TOP OF ROCK	<p style="text-align: center; font-size: 2em; font-weight: bold;">RECEIVED</p> <p style="text-align: center;">STATE ENGINEER</p> <p style="text-align: center;">ST. MARY RIVER FM.</p> <p style="text-align: center;">2 G.P.H OF WATER AT 80 FEET</p>
4349	45	SH	SHALE - GREENISH BROWN, SOFT	
4339	55	SH	SHALE, LT. BROWN, SOFT	
4329	65	STS	SILTSTONE, GREENISH-YELLOW BROWN, SOFT	
4314	80	SH	SHALE - SANDY, GREENISH-BROWN	
		SS	SANDSTONE - SHALEY, LIGHT GRAY, INTERBEDDED, FINE	
		SH	SHALE, SANDY, LIGHT GRAY, SOFT	
4289	105	STS	SILTSTONE, M GRAY, SOFT	
4279	115	SH	SHALE, M GRAY, SLTLY SNDY	
4274	120	STS	SILTSTONE, M GRAY	
4269	125	C	LIGNITE	
4267	127			
		SS	SANDSTONE, FINE TO MEDIUM GRAY, MEDIUM HARD TO SOFT W/INTERBEDDED SLIGHTLY SHALY SANDSTONE	
4244	150	C	LIGNITE TO SUB-BITUMINOUS	
4239	155			
		SS	SANDSTONE, FINE, GRAY TO GREENISH GRAY, PARTLY SHALY, SOFT	
	180		(CONTINUED ON SHT. 2)	

DEPARTMENT OF THE ARMY DIVISION NORPAC INSTALLATION SEATTLE DIST		1. PROJECT CUTBANK A. F. S., MONTANA		SHEET 2 OF 2		
DRILLING LOG		2. LOCATION (Coordinates or Station) (SEE SHEET #1)				
3. HOLE NUMBER (As shown on drawing title and file No.) CUTBANK GATR. #1		4. DRILLING AGENCY				
5. ANGLE AND DIRECTION OF HOLE <input type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		6. THICKNESS OF OVERBURDEN	7. DEPTH DRILLED INTO ROCK	8. TOTAL DEPTH OF HOLE		
9. SIZE AND TYPE OF BIT		10. MFR. DESIGNATION OF DRILL	11. ELEVATION TOP OF HOLE	12. TOTAL CORE RECOVERY		
13. DEPTH AND ELEVATION GROUND WATER 180'		14. TOTAL CORE RECOVERY	15. DATE HOLE STARTED COMPLETED	16. INSPECTOR(S)		
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OF SAMPLE NO.	REMARKS (Water level, drilling time, etc.)
		SS	SANDSTONE - FINE, GRAY TO GREENISH GRAY, PARTLY SHALEY, SOFT			R D STATE ENGINEER BASE OF SAINT MARY RIVER AT TOP OF HORSETHIEF SANDSTONE STATIC WATER LEVEL 229' DYNAMIC WATER LEVEL @ 15 GPM 229' WATER ENCOUNTERED AT 240' #6 JOHNSON SCREEN 275'-285' BASE OF HORSETHIEF SS BEARPAW-HORSETHIEF TRANSITION?
4189	205	SS	SANDSTONE, MEDIUM HARD, YELLOW			
4184	210	SS	SANDSTONE, GRAY, MEDIUM HARD, FINE			
4174	220	SS	SANDSTONE, HARD, MEDIUM TO FINE, YELLOWISH BROWN TO GRAY			
4159	235	SS	SANDSTONE, VERY FINE, LT. GRAY, SOFT			
4154	240	SS	SANDSTONE, LT. GRAY, SOFT			
4139	255	SH	SHALE, SANDY, LT. GRAY, SOFT			
4134	260	SS	SANDSTONE, FINE TO MEDIUM, SOFT TO MEDIUM HARD, GRAY			
4109	285	SH	SHALE, SANDY, DARK GRAY			
4102	292		(BOTTOM OF HOLE)			
						GRAVEL BACK FILL 285-292 WELL TESTED FOR 25 HOURS AT 15 GPM NO DRAWDOWN

132931

STATE ENGINEER

RECEIVED
JUL 20 1962

FILED

at 1:25 o'clock P.M.

7-19 1962

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

Deputy
Deputy

17

File No.....

T 37N R 9W

DUPLICATE

County Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
SEP 24 1962

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. United States Air Force, of 681st Radar Squadron (SAGE) Out. Bank, Mont.
(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 1/4 NW Sec. 17, T. 37N R. 9W

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.....
Human Consumption

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
Gator well, 10 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.....
N/A

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
Pumps & wells
Gator well, NE 1/4 of NW 1/4, sec 17,
township 37 N, range 9, West MPM

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

8. The depth of water table.....
Gator well is drill well, Depth is 250 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.....
Gator well is a drill well, 8 inch diameter

10. The estimated amount of groundwater withdrawn each year.....
4,838,400

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.....
U/K

Signature of Owner

Shenn T. Luce, Maj
Date 13 Sept 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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

2139

133392

FILED

at 5:00 o'clock P.M.

Sept 20 1962

M. L. Passucci
County Clerk and Ex-officio Recorder of

GLACIER COUNTY, MONTANA

John A. Hegg
Deputy

20

File No.

T 37W R 9W

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

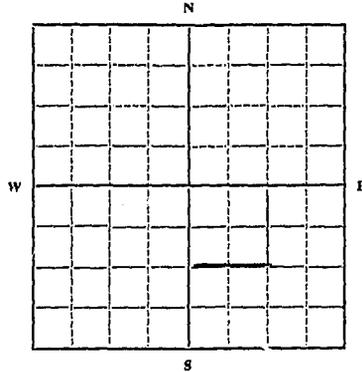
RECEIVED
SEP 24 1962

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. United States Air Force, of 681st Radar Squadron (SAGE), 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:



NW 1/4 SE Sec. 20, T 37N R 9W

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.....
Human Consumption

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
1950—Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
Well number 3, 16 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.....
Watering of lawns in base housing area and base cantonment area

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
Pumps and wells, Well # 3, NW 1/4 of SE 1/4, sec. 20, township 37N, range 9 West. MPM

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
Well number 3, 1958

8. The depth of water table.....
Well number 3 is 12 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 number 3 is a bore well, 2 feet diameter

10. The estimated amount of groundwater withdrawn each year.....
7,711,440

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.....
U/K

Signature of Owner Sherril H. Luse Maj
Date 13 Sept 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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

2142

133395

FILED

at 9:15 o'clock P. M.

on Sept 27 1962

M. L. Hammi
County Clerk and Ex-officio Recorder of

GLACIER COUNTY, MONTANA

John Hegg Deputy

File No.....

T 370 R 90

DUPLICATE

County Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

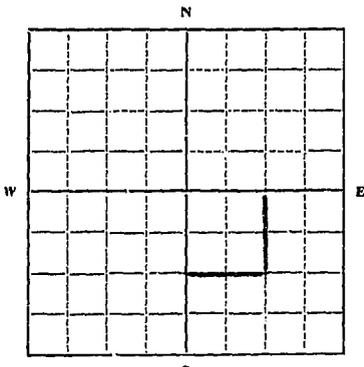
RECEIVED
SEP 24 1962

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. United States Air Force of 681st Radar Squadron (SAGE) Cut Bank, Mont.
(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:



NW 1/4 SE Sec 20 T. 37N R. 9W

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.....
Human Consumption

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
1950—Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
Well number 1, 65 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.....
Watering of lawns in base housing area and base contonement area

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
Pumps and wells, Well # 1, NW 1/4 of SE 1/4, sec 20, township 37N, range 9 West MPN

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
Well number 1, 1950

8. The depth of water table.....
Well number 1 is 12 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 number 1 is a bore well, 6 feet diameter

10. The estimated amount of groundwater withdrawn each year.....
31,449,600

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.....
U/K

Signature of Owner Glenn H. Puse, Maj

Date 13 Sept 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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

133393

FILED

at 4:05 o'clock P.
Sept 30 1962
W. A. Tamm
County Clerk and Ex-officio Recorder of
GLACIER COUNTY MONTANA
Rita Neff Deputy

320

File No.

T 37N R 9W

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
SEP 24 1962

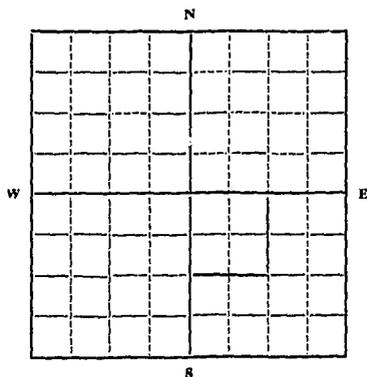
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. United States Air Force, of 681st Radar Squadron (SAGE) Gut. 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:



NW 1/4, SE, Sec. 20, T37N, R. 9W.

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.....
Human Consumption

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
1950—Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
Well number 2, 35 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.....
Watering of lawns in base housing area and base cantonment area

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
Pumps and wells, Well # 2, NW 1/4 of SE 1/4, sec 20, township 37N, range 9 West, 400

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
Well number 2, 1958

8. The depth of water table.....
Well number 2 is 12 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 number 2 is a bore well, 2 feet diameter

10. The estimated amount of groundwater withdrawn each year.....
750,000, 400

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.....
U/K

Signature of Owner Glenn V. Luce, Maj.

Date 13 Sept 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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

2141

133394

FILED

at 9:10 o'clock P.M.

Sept 29 1962

W. L. Harrison
County Clerk and Ex-officio Recorder of

GLACIER COUNTY, MONTANA

F. W. H. Hagg Deputy

File No.

T. 37 N. R. 9 W

DUPLICATE

County Glacier

RECEIVED
MAY 24 1962

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Well No. 2
Gut Bank AFS

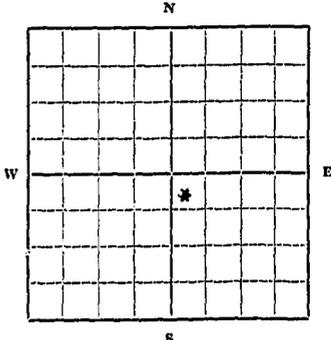
RECEIVED
MAY 24 1962

STATE ENGINEER Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)
ALBERT F. STRAUB, Chief, Acquisition Branch, Real Estate Division,
U.S. Army Engineer District, Seattle, for and on behalf of

STATE ENGINEER

1. THE UNITED STATES OF AMERICA of 1519 Alaskan Way South Seattle 4,
(Name of Appropriator) (Address) (Town)
County of King State of Washington
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 SE 1/4 Sec. 20 T. 37N R. 9W

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 To be used by United States AF for its personnel in official duty
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been January 1961
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 35 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 Pumped from well as shown or described on well log.
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater November 1959 - Completed November 1959
- 8. The depth of water table 2 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 18" - 10 feet
- 10. The estimated amount of groundwater withdrawn each year 15,000,000 Gallons
- 11. The log of formations encountered in the drilling of each well if available See attached Drawing attached to 1256
- 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

For and on behalf of THE UNITED STATES OF AMERICA through U.S. ARMY ENGINEER DISTRICT, Seattle, Real Estate Division

Signature of Owner By: Albert F. Straub
ALBERT F. STRAUB, Chief,
Acquisition Branch
Date

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

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

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

200032

1854

132929

FILED

at 1:15 o'clock P M.

7-19, 1962

M. L. Nannini

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

Dennis L. L. Deputy

File No.

T. 37 N R. 9 W

DUPLICATE

County. Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Well No. 3
Cut Bank AFS

Declaration of Vested Groundwater Rights

RECEIVED
JUN 11 1961

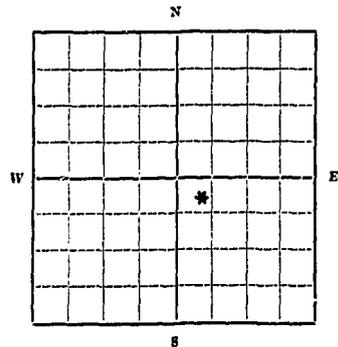
(Under Chapter 237, Montana Session Laws, 1961)
ALBERT F. STRAUB, Chief, Acquisition Branch, Real Estate Division,
U.S. Army Engineer District, Seattle, for and on behalf of

STATE ENGINEER

1. THE UNITED STATES OF AMERICA, of 1519 Alaskan Way South, Seattle 4,
(Name of Appropriator) (Address) (Town)

County of King State of Washington

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



NW 1/4 SE 1/4 Sec. 20, T. 37N R. 9W

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 To be used by United States AF for its personnel in official duty
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been January 1961
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 16 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 Pumped from well as shown or described on well log.

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

8. The depth of water table 0 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 18" - 10.5 feet

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

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

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

For and on behalf of THE UNITED STATES OF AMERICA through U.S. ARMY ENGINEER DISTRICT, Seattle, Real Estate Division

Signature of Owner By: Albert F. Straub
ALBERT F. STRAUB, Chief,
Acquisition Branch
Date

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

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

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

132930

FILED

at 1:20 o'clock M
7-19-62

M. L. Mann

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

James H. ... Deputy

134381

FILED

at 11:00 o'clock A.M.
Sept 7 1922
M. L. Namini
County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA
By John Hegg Deputy

File No. _____

T 37 N R 9 W

DUPLICATE

County Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAR 4 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

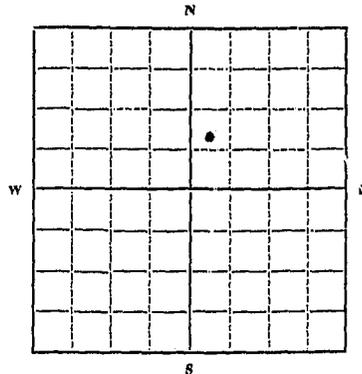
STATE ENGINEER

Smroka

1. Robert J. Smroka and Christina 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:



NE 1/4 Sec. 31, T. 37, R. 9.

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 Human and animal consumption.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1938 and continuously used until 1951.

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

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.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Gas engine and pipe and pump on SW 1/4 Sec. 31, Twp. 37 N., Rge. 9 West.

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

8. The depth of water table About 40 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 Five inch casing. Well is 55 to 60 feet deep.

10. The estimated amount of groundwater withdrawn each year When used 150,000 cubic feet per year.

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

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

Robert J. Smroka
Signature of Owner Christina Smroka
Date February 13, 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.

135363

FILED

at 2:45 o'clock P. M.

July 27 19 63

M. S. Hamlin

County Clerk and Ex-officio Recorder of

GLACIER COUNTY, MONTANA

By Dita Regg Deputy

File No.

T. ^N37 R. ^W9

DUPLICATE

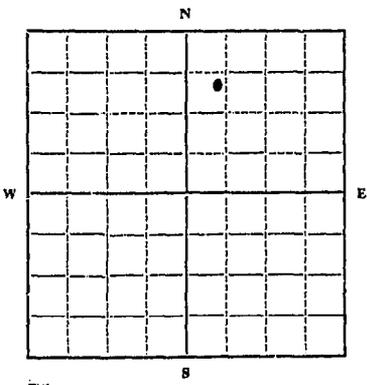
County Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAR 4 1963

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

1. Robert J. Smrcka and Christina Smrcka, 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:



NE 1/4 Sec 31 T 37 R 9

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 Human and animal consumption.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1935 and continuously to 1951.

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

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.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Gas engine and pump located NW 1/4 Sec 31-37-9.

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

8. The depth of water table 40 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 Five inch casing 55' deep.

10. The estimated amount of groundwater withdrawn each year When used 150,000 cubic feet per year.

11. The log of formations encountered in the drilling of each well if available Not available.

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

Robert J. Smrcka
Christina Smrcka
Signature of Owner
Date February 13, 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.

135362

FILED

at 7:40 o'clock M.
Feb 28 19 62
M. L. Hamme
County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA
By Anta Beag Deputy

File No.

T. 37 N R 9 W

DUPLICATE

County Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

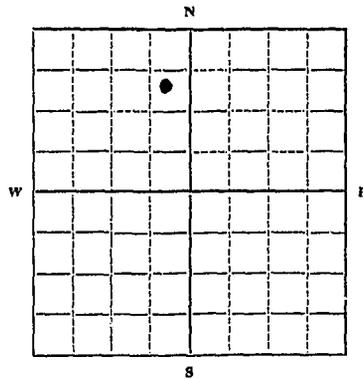
RECEIVED
MAR 4 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Smrcka
Robert J. Smrcka and Christina, 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:



NW 1/4 Sec. 31 T. 37 R. 9.

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 Human and animal consumption.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1938 continuously to 1951.

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

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.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal NE NW 1/4 Sec. 31-37-9, by gas motor and pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater In year 1938.

8. The depth of water table 40 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 Five inch casing, 55 feet deep.

10. The estimated amount of groundwater withdrawn each year When used 150,000 cu. feet per year.

11. The log of formations encountered in the drilling of each well if available Not available.

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

Robert J. Smrcka
Signature of Owner Christina Smrcka
Date February 13, 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.

135360

FILED

at 2:30 o'clock P. M.
Feb 28 1962
M. L. Mason
County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA
By Clara Hegg Deputy

File No.

T. 37 R. 9

DUPLICATE

County Glacier

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

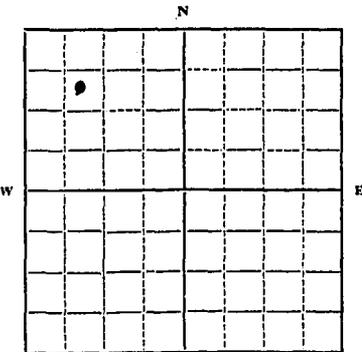
RECEIVED
MAR 4 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Robert J. Smrcka and Christine Smrcka, 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:



NW 1/4 Sec. 32 T. 37 R. 9

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 Human and animal consumption and garden irrigation.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 7-1951 - has been continuously used since drilled.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) one fourth of a miner's inch.

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 For garden use at improvements on NW 1/4 32-37-9.

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 June 7th to June 14th, 1951.

8. The depth of water table 62 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 Five inch casing - well 72 feet deep.

10. The estimated amount of groundwater withdrawn each year 243,333 cubic feet per year.

11. The log of formations encountered in the drilling of each well if available Not available.

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

Robert J. Smrcka
Signature of Owner Christine Smrcka
Date February 12, 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.

135361

FILED

at 2:35 o'clock P
Feb 28 1963
M. J. Harman
County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA
By Lita Hegg Deputy

RECEIVED

37 N-9W-32
County Glacier

JUN 1 1972

DRILLER'S LOG

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

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

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.

(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 Robert Smucka
Address Cut Bank

For Administrator's Use	
File #	<u>#163745</u>
Date	<u>May 31, 1972 8:30 a.m.</u>
Well No.	<u>GW 1</u>

Date well started Apr 29 1972
completed Apr 30 1972
Type of well Drilled

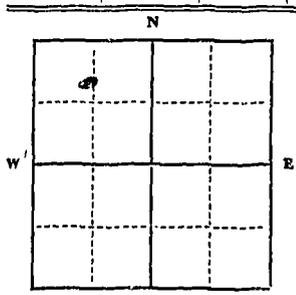
Equipment used Cable tool
(Churn drill, rotary or other)

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

*Describe Stock well
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 300000 gal

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>7"</u>	<u>4" - 11# - 1</u>	<u>71'</u>	<u>4"</u>	<u>71</u>	<u>50</u>	



Static water level 58 ft.*
Pumping water level 65 ft.*
at 71 gallons per minute,
measured 1 minutes after pumping
began.
*Measured from gravel level
Well developed by Ballin
for 2 hours.
Power 1/2 HP
Remarks: (Gravel packing, cementing,
packers, type of chutoff) to bottom
ten Grad

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

Driller's Signature George Jensen
Driller's Address 1943 Cut Bank Mont
Montana LICENSE NO. 20

Top of Ground (Elev. above sea level)	
From (Feet)	To (Feet)
<u>0</u>	<u>10</u> <u>Sand</u>
<u>10</u>	<u>30</u> <u>Sand</u>
<u>30</u>	<u>40</u> <u>Hard Sand</u>
<u>43</u>	<u>59</u> <u>Sandy Clay</u>
<u>59</u>	<u>71</u> <u>Sand Water</u>

71' Show exact depth of bottom

50,491

#163745

FILED

At 8:31 o'clock - AM
5-31 1972
John Hallock
County Clerk and Ex officio Recorder of
GLACIER COUNTY, MONTANA
By John Hallock Deputy

RECEIVED
192-1500-10/68
JUN 1 1972

County Flaxier Co.

32

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
NOTICE OF APPROPRIATION OF GROUNDWATER
(Under Chapter 237, Montana Session Laws, 1961, as amended)

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

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

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

1. I, Robert J. Smucka, of Box 2204 Cut Bank
(Name of Appropriator) (Address) (Town)

County of Flaxier, State of Mont., 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 irrigation
(describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed 15 gal

The estimated amount of groundwater to be used annually 300,000

4. The annual period (inclusive dates) of intended use Year Round

5. The probable or intended date of first beneficial use April 30, 1972

6. The probable or intended date of commencement and completion of the well* or wells* April 30

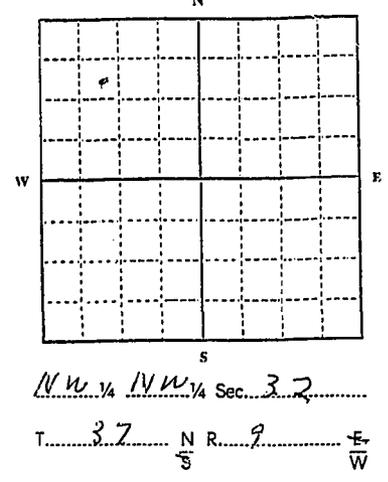
7. The location, type, size and depth of well or wells contemplated 71 ft

8. The probable or estimated depth of the water-table or artesian aquifer 58 ft

9. The name, address, and license number of the driller engaged George Jensen
1730 Cut Bank Mont

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

For Administrator's Use
File #163744
May 31, 1972 8:25 a.m.



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

Signature of Appropriator Robert J. Smucka Date May 1, 1972

*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.
59,490

#163744

FILED

at 9:25 o'clock P.M.
5-21-72
M. H. [unclear]
County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA
By [unclear] Deputy

#163744

FILED

at 8:35 o'clock P.M.
5-21-72
J. J. [unclear]
County Clerk and Ex-officio Recorder of
GLACIER COUNTY, MONTANA
By [Signature] Deputy

File No.

T. 37 R 8

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964

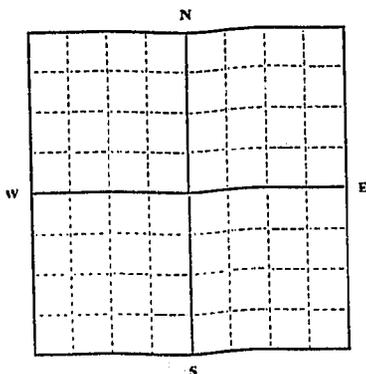
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Carl M. Sundquist, of P. O. Box 271 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 SW 1/4 Sec. 7 T. 37 N. R. 8 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..... Domestic farm and ranch use and watering of livestock.

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal..... One well located approximately in the SE 1/4 SW 1/4 of Section 7, Township 37 North, Range 8 West.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater..... Approximately 1956 or 1957.

8. The depth of water table..... About two feet below top of casing.

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..... This well was drilled by a person who is now dead. However, the depth is approximately 56 feet and six or seven inch casing was apparently used. A surface pump is used to withdraw the water from the ground.

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

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

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

Signature of Owner Carl M. Sundquist

Date..... 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.

139012

FILED

at 10:05 o'clock M.

12-31 1963

M. L. ...

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

By *Donna ...* Deputy

RECEIVED

36

File No.

T. 37 R. 8

DUPLICATE

County: Glacier

RECEIVED
JAN 3 1964

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

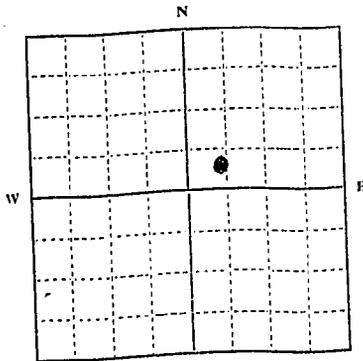
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Sept. 1962
Owner: H E Reagan Address: Cut Bank
Contractor (if any): None
Address of Contractor: None
Date Started: Sept 1962 Date Completed: Sept, 1962

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



SW 1/4 NE 1/4 Sec 36 T. 37 R. 8
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. This spring runs continually. Flow is 7 1/2 gallons per minute. Measured by allowing to run out of pipe into bucket of known size & timing the same.

Signature of Owner: H E Reagan, by Danny Reagan, his agent

Date: Dec. 31, 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.

139104

FILED
at 4:40 o'clock PM
10-3-63
M. J. Mussouri
County Clerk and Ex-Officio Recorder of
GLACIER COUNTY, MONTANA
Samuel D. ... Deputy

File No. JAN 15 1962

T. 37 R. 7 Sec. 11

County Glacier

DUPLICATE to: STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

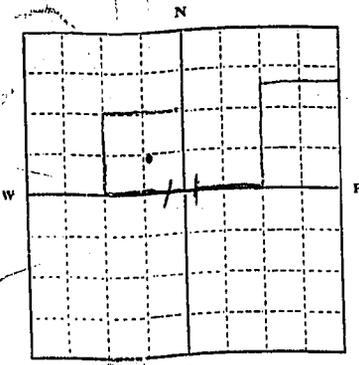
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

US Ranch Inc.

Joseph B. Stone Sr. Pres. of Box 362 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 NE 1/4 Sec. 11 T. 37 R. 7

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 Range Cattle watering

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Drilled by C.C.C. Government Survey Team in the 1930's

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Appx. 8 g.p.m.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof No Irrigation

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1st of May to 1st of November

8. The depth of water table. 40 ft from top

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 1 in. galvanized casing and 2 in. galvanized tubing

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. Don't know where to get it

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 US Ranch Inc. Joseph B. Stone Sr. Pres. Date

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

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

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

146009

FILED *P*

at 3:15 o'clock PM

12-31 1965

M. L. Nanni

County Clerk and Ex-officio Recorder of

GLACIER COUNTY, MONTANA

Tom L. ... Deputy