

T. _____ R. _____
County Petroleum

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
DEC 9 1960

WATER WELL LOG

STATE ENGINEER

Owner Ernest Hanson Address Winkett, Montana
Driller George W. Singler Address Lawistown, Montana
Date Started November 14, 1960 Date Completed November 27, 1960
Location: Sec. 28 T. 14 R. 29 1/4 sec. NE 1/4

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: _____

Above ground
Casing: 2 ft. to 91 ft. Type S & S Size 4 1/2 in. galvanized
Casing: _____ ft. to _____ ft. Type _____ Size _____
Casing: _____ ft. to _____ ft. Type _____ Size _____

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

Type of screen or perforations: _____

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

Shut-in pressure, for flowing well: Approx. 30 lb./sq. in. on: Nov. 17, 1960
(date)

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

How tested: _____

Length of test: _____

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

Well was cased and 10 inches cement. Flowed 15 gal. per min.

(over)

Log of Well

[illegible]

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	1	Topsoil
1	15	Clay
15	20	Gravel
20	25	Sandy clay blue
25	30	Hard rock
30	35	Sandy rock
35	40	Soft blue clay
40	45	Sandy rock
45	50	Sandstone water
50	55	
55	60	
60	65	
65	70	
70	75	
75	80	
80	85	
85	90	
90	95	
95	100	
100	105	
105	110	
110	115	
115	120	
120	125	
125	130	
130	135	
135	140	
140	145	
145	150	
150	155	
155	160	
160	165	
165	170	
170	175	
175	180	
180	185	
185	190	
190	195	
195	200	

19111

STATE OF MONTANA,
County of Petroleum.

Filed Dec 8 1960

at 10:35 o'clock A.M.

Helena R. Mente
County Recorder

Deputy

78
U.R.

30

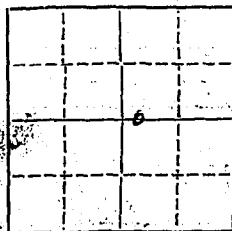
T. 14 R. 29
County Petroleum

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 1 1961

WATER WELL LOG

STATE ENGINEER



Owner Les & Vern Thompson Address Winnett, Montana
Driller George O. Singley Address Lewistown, Montana
Date Started NOV. 25, 1960 Date Completed DEC. 3, 1960
Location: Sec. 30 T. 14 R. 29 1/4 sec.

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

above ground Industrial ☐ Drainage ☐ Other: _____

Casing 1 ft. to 20 ft. Type S. & S. Size 6 1/2 ID

Casing 2 ft. to 100 ft. Type S. & S. Size 4 1/2 ID Galv.

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

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

Type of screen or perforations _____

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

Shut-in pressure, for flowing well: 15 lb./sq. in. on: Dec. 3, 1960
(date)

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

How tested: _____

Length of test _____

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

Sealed at bottom of hole with Packer 6 in. to top

Gravel packed 100-153 Flowed 6 gal.

(over)

Log of Well

[illegible]

1994

$\frac{19}{U.R.m}$

File No.

DUPLICATE

RECEIVED

MAY 20 1973

T. R.

County Petroleum

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARDNotice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962

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

Owner Thompson Bros. Address Winnett, MontanaDriller George O. Singley Address Lewistown, MontanaDate of Notice of appropriation of groundwater NoneDate well started March 6, 1973 Date completed March 7, 1973Type 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.

Top of Ground

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

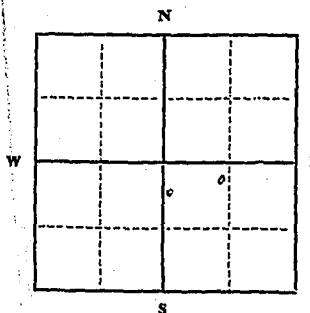
0	1	Topsoil
1	10	Clay
10	17	Gravel
17	40	Blue shale
40	42	Rock
42	55	Shale
55	70	Rock, Bentonite
70	86	Blue shale
86	89	Hard rock
89	112	Sandy shale, hard
112	116	Hard cap rock
116	127	Sandstone
127	140	Sandy shale

Doc. No. 27732; 328

Filed for record

this 19th day of MARCHA. D. 1973 at 11:15by stock A. M.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7-7/8		0	20			
5-5/8		20	84			
4-3/4		84	140			
6-5/8 OD		above 1	20			
4" PVC plastic		above 1	104			



NW-SE 1/4, Sec. 30, T14N, R29E

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well
None feet.Shut-in Pressure for Flowing Well 10
NonePumping Water Level None feet
at 0 gal. per minute.Discharge in gal. per min. of flowing well
6How Tested Measured with bucket
1/2 hr.Length of Test 1/2 hr.Remarks: (Gravel packing, cementing, pac-
ers, type of shutoff) Well cemented

(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

Driller's Signature

George O. Singley

52,684

21932

#328

Thompson Bros

STATE OF MONTANA,
County of Petroleum, ss.

Filed MAR 19 1973

at 11:15 o'clock A.M.

Oswald Barber
Director of Records.

Deputy

Check
A D 13
for legal
costs

DRAYTON ROAD AT THE INTERSECTION OF HIGHWAY 1001

(Under Section 22, Montana Session Laws 1961 as amended)

Owner

Deputy

Time and place of publication of notice

Time and place of

Time and place of

Time and place of

Time and place of

Time and place of

Time and place of

Time and place of

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GW 2

RECEIVED

Approved Stock Form—State Publishing Co., Helena, Montana—46805

File No.

JUL 8 1973

T. 14 R. 32

DUPLICATE Well at house

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

County Petroleum

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARDNotice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

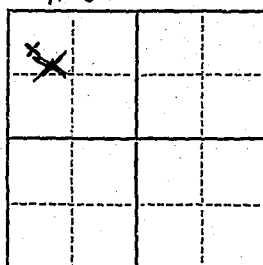
(Under Chapter 237 Montana Session Laws, 1961, as amended)

	Top of Ground
(Elev. above sea level.....)	
0	1 Topsoil 1
1	11 Sandy clay
11	19 Gravel
19	50 Blue sandy shale
50	58 Hard silicate sandstone
58	105 Shale
105	119 Sandstone, shaly
119	120 Hard rock
120	122 Sandstone, Water
122	125 Hard rock
125	157 Sandstone, Water

Owner Kenneth Damschen Address Winnett, Montana
 Driller George O. Singley Address Lewistown, Montana
 Date of Notice of appropriation of groundwater None
 Date well started Aug. 1, 1969 Date completed Aug. 2, 1969
 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)
7-7/8		0	21			
4-3/4		21	50			
3-7/8		50	151			
	200# test 1' abv. 2" pla. ground	157	157	5/16 holes	117	157
	6-5/8" ID Blk	0	21			
	12#					



1/4 Sec 20 T 14 N R 32
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well None feet.

Shut-in Pressure for Flowing Well 19

Pumping Water Level None feet
 at 9 gal. per minute.

Discharge in gal. per min. of flowing well 20

How Tested Measured

Length of Test 1 hr.

Remarks: (Gravel packing, cementing, packers, type of shutoff) Sealed with 10 sacks cement

(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.

19
 Driller's License Number

George Singley
 Driller's Signature.

54,733

27902

17.02 361

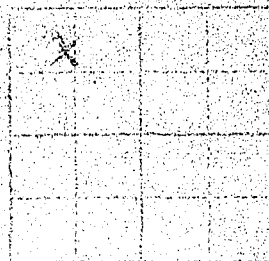
STATE OF MONTANA,
County of Petroleum, } ss.

Filed JUN 29 1973 19

at 3:35 o'clock P.M.

Orene Barlow
Director of Records.

Deputy



RECEIVED

Approved Stock Form—State Publishing Co., Helena, Montana—46805

File No. 357

JUL 3 1973

T. 14 R. 29

DUPLICATE

County Petroleum

LOG

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Top of Ground

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

0 1 Topsoil
1 28 Yellow sandy clay
28 38 Gravel
38 55 Blue sandstone
55 56 Hard rock
56 65 Sandstone
65 105 Shale
105 170 Sandstone, Water 120' and 160'

Notice of Completion of Groundwater Appropriation by Means of Well

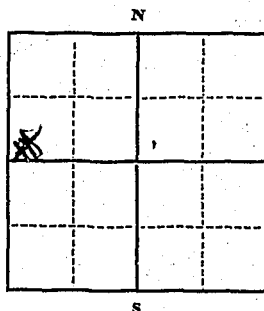
DEVELOPED AFTER JANUARY 1, 1962

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

Owner Kenneth Damschen Address Winnett, MontanaDriller George O. Singley Address Lewistown, MontanaDate of Notice of appropriation of groundwater NoneDate well started April 23, 1969 Date completed April 24, 1969Type 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)
7-7/8		0	42			
4-3/4		42	105			
3-7/8		105	170			
	2" galv. above gr. 2"		170	slots 1/4x4	105	170

Static Water Level for non-flowing well 0 feet.Shut-in Pressure for Flowing Well 15Pumping Water Level 0 feet
at 0 gal. per minute.Discharge in gal. per min. of flowing well 25How Tested Flow measuredLength of Test 1 hr.Remarks: (Gravel packing, cementing, packers, type of shutoff) Packer and cement used to seal

1/4 Sec. 34 T. 14 N. R. 29 E
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.

19
Driller's License NumberDriller's Signature George O. Singley

54,735

27898

EW 27 357

FILE NO. 321

EXHIBIT

NOT

John of Graham

(Copy of record)

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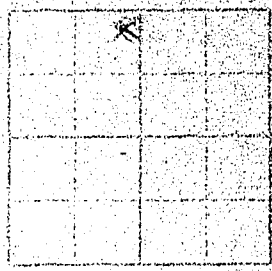
STATE OF MONTANA,
County of Petroleum, ss.

Filed JUN 29 1973

at 3:15 o'clock P.M.

Orene Barber
Director of Records.

Deputy



NOTICE OF CONVICTION

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GW 2

RECEIVED

Approved Stock Form—State Publishing Co., Helena, Montana—46805

File No. _____

JUL 3 1973

T. 14 R. 29

DUPLICATE Well # 4

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATIONCounty Petroleum

LOG

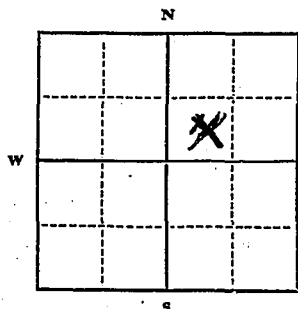
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARDNotice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962

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

Owner Kenneth Damschen Address Winnett, MontanaDriller George O. Singley Address Lewistown, MontanaDate of Notice of appropriation of groundwater NoneDate well started June 6, 1969 Date completed June 14, 1969Type 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)
7-7/8		0	42			
4-3/4		42	190			
3-7/8		190	290			
	2" Galv. above gr. 1"		230			



Static Water Level for non-flowing well

None feet.Shut-in Pressure for Flowing Well Approx. 100Pumping Water Level None feetat None gal. per minute.

Discharge in gal. per min. of flowing well

2How Tested Measured onLength of Test 1 Hr.

Remarks: (Gravel packing, cementing, pack-

ers, type of shutoff) Sealed at 190'with Packer and cement.

1/4 Sec 36 T. 14 R. 29
Indicate location of well and
place of use, if possible. Each
small square represents 40
acres.

19

Driller's License Number

Driller's Signature George Singley

54732

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.

(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.

27901

E.W.2 #1360

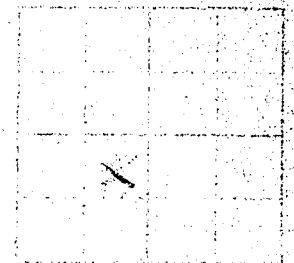
STATE OF MONTANA,
County of Petroleum,

Filed JUN 29 1973 19

at 3:30 o'clock P. M.

Charles Barber
Director of Records.

Deputy



GROUNDWATER INDEX

Page of

County Petroleum Twp. 14~~N~~ N Rge. 30 E

[illegible]

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

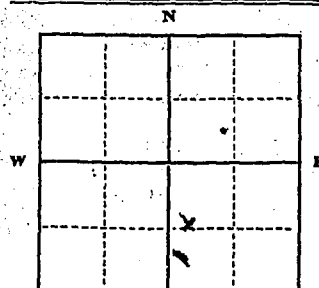
Owner Bud Shaw
Address Manby, Montana
Date well started July 6, 1971 GW 1
completed July 30, 1971

Type of well Drilled
(Dug, driven, bored or drilled)
Equipment used Rotary
(Churn drill, rotary or other)
Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

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

ESTIMATED ANNUAL WITHDRAWAL Could use 41,800,000 gal.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
14"	8 5/8" 22#/ft	0	30	Kind Size From (Feet) To (Feet)
6"	4 3/8" 8.9#/ft	30	1619	Regular 1734 1798
3 7/8"	2 3/8"	1619	1805	
		1605	1805	



NW 1/4 SE 1/4 Sec. 9
T. 14 N. R. 30 E. S. W.

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

Driller's Signature B. M. Munson
Driller's Address Grass Range, Mont.

LICENSE NO. 26

14N 30E

County Petroleum

DRILLER'S LOG

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

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
0	3	wash-in shale
3	30	Shale-streaks of thin calcareous sand stone
30	250	Grey shale-fossil streaks
250	278	Thin calcareous sand-stone-limey shale streaks
278	572	Dark to grey shale
572	635	Sandy shale with dirty sand lensing-white calcareous lenses
635	649	Shale to dark grey sand streaks
649	701	Shale-Hard streaks of calcite
701	1100	Shale-bentonite streaks some light brown shale-hard tight particles of sandstone
1100	1163	Some ironstone-green shale
1163	1250	Sandy grey shale
1250	1256	Very hard (limey shale & some sand)
1256	1280	Hard streaks of limey sand to shale
1280	1346	Streaks of white micaceous medium grained sand to shale
1346	1415	Like ss above becoming silty
1415	1465	Silty sand streaks grading to silt stone (top of Kootenai)
1465	1539	Red to green clay streaks 10 - 30% sand streaks
1539	1600	Red claystone, thinly laid black shale-fine sand
1600	1619	Calcareous shale-red claystone-short and thin streaks of sugar sand
1619	1650	limey sand-tight sugar sand
1650	1634	salt and pepper sand
1634	1659	pinkish-red-color shale-clay
1659	1671	siltstone
1671	1734	limey tight sand streaks-short narrow streaks
1734	1728	coarse salt and pepper sand (artesian flow) very good porosity
1728	1805	Dirty sand to shale T.D. (Harrison Top)

1805 Show exact depth of bottom

48840

Page of

County Petrolem Twp. 13N Rge. 25E

[illegible]

GW

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

File No. 232T. 13 N R. 25 E

DUPLICATE

County Petroleum

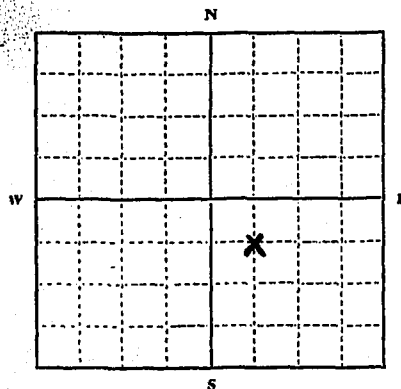
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Joe F Lancelli, of Winnett
(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:



NW 1/4 Sec. 3 T. 13 N. R. 25 E.

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

2. The beneficial use on which the claim is based
Stockwater & Irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 10/5/56
CONTINUOUS USE
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute -
artesian
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 2 N 2 Section 2, T 13 N, R 25 E.
Joe F. Lancelli, owner
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Free flowing - artesian
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 10/5/56 to 10/31/56
8. The depth of water table 1220 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
1220 feet of 3" casing
10. The estimated amount of groundwater withdrawn each year 20 gallons per minute
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

Date December 30, 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.

20897

22390

#232

STATE OF MONTANA,

County of Petroleum,

Filed DEC 30 1963

at 4:35 o'clock P. M.

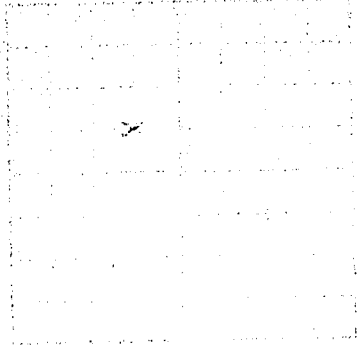
Bonny L. Dengel

Director of Records.

Doris Carroll

Deputy

Feb 2 1964



RECEIVED
JAN 13 1964
STATE OF MONTANA
COUNTY OF PETROLEUM
RECORDS & DEEDS
DIVISION

22390-3-1000

1007 0027

County Petro

APR 24 1961

STATE ENGINEER

WATER WELL LOG

X		

Owner James Olson Address Grass Range, Montana

Driller **W. L. Livingston, Estate** Address **Winnett, Montana**

Date Started **February 24, 1961** Date Completed **March 18, 1961**

Location: Sec. 9 T. 13 R. 25 $\frac{1}{4}$ sec. SE SW #

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☒

Industrial ☐ Drainage ☐ Other: _____

Casing:.....ft. to **1039.13** ft. Type **T. & C.** Size **Seven inch O. D.**

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

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

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

Type of screen or perforations.....

Static Water level for non-flowing well: _____ Feet

Shut in pressure for flowing well: _____ lb/sq in on: _____

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

Pumping water level.....feet atgal. per min.....

How tested:.....

Length of test.....

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

~~Cemented with 65 sacks type 1 cement~~
~~Artisian well flowing 30 gallons per minute~~

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	25	top soil sand
25	35	gravel
35	110	hard black shale
110	210	Shale & sandy shale--some bentonite
210	318	Shale and bentonite streaks
318	543	shale, clay and bentonite
543	600	black shale and sticky caly
600	625	Black brittle shale and sandy shale
625	660	Shale, grey clay and sandy shale
660	700	Hard settstone, shale, some clay
700	716	Hard sandy shale
716	725	Sand (medium fine) light grey
725	735	Medium soft fine sand
735	750	Black brittle shale some sand and streaks of bentonite
750	771	Black shale and bentonite
771	782	Red Clay, black shale, hard sandy lime
782	804	Red and black shale, red clay, hard sand
804	840	Red clay, sandy shale, streaks of limy sand
840	850	Red clay, shale
850	880	Red and grey clay, black shale
880	890	White mushy clay, some shale
890	915	Red and black shale, clay, little white clay
915	930	White mushy clay, white medium hard sand
930	973	White Clay and sand
973	980	Medium hard fine white sand, white mushy clay
980	990	Soft fine white sand, white mushy clay
990	1017	Soft clay, red, white and black shale
1017	1030	Hard sand and white mushy clay
1030	1040	Hard limy sand and clay
1040	1055	Limy sand, gray, white, and green shale
1055	1058	Hard sand and clay
1058	1062	Hard and soft sand
1062	1070	Sand
1070	1074	Hard light limy shale
1074	1120	Black shale
1120	1150	Fine sand
1150	1158	Darker, soft fine sand
1158	1160	Coal

Water Well Log # 81

STATE OF MONTANA
County of Petroleum

Dred April 20th 1961

at 11:45 o'clock A.M.

Yelton R. Meeten

County Recorder.

For 1.00

Permit

19393

GW

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

File No. 230T. 13 N R. 25 E
County Petroleum

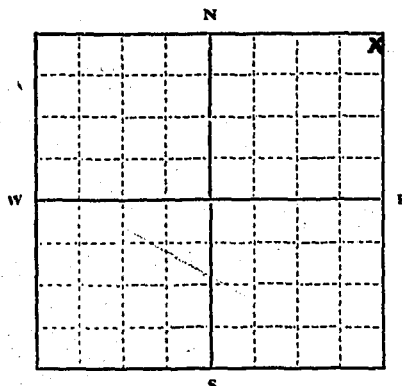
DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERRECEIVED
JAN 3 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Joe F. Lancelle, of Winnett
(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 Sec. 10 T. 13 R. 25

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 Stockwater & Irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been November 15, 1956
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gal. per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
NE 1/4 Sec. 10 - 13-25
Joe F. Lancelle, owner
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Pump Jack & gas engine

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Nov. 15, 1956
8. The depth of water table 20 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
20' of 6" casing
10. The estimated amount of groundwater withdrawn each year 2,500,000 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

Joe F. Lancelle
Date December 30, 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.

20895

22388

#230

STATE OF MONTANA

County of Petroleum,

DEC 30 1963

Filed

at 4:20 o'clock P

Bonny L. Dengel

Director of Records

Dana Carroll

Deputy

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File No. 233T. 13 N. R. 25 E.

DUPLICATE

County Petroleum

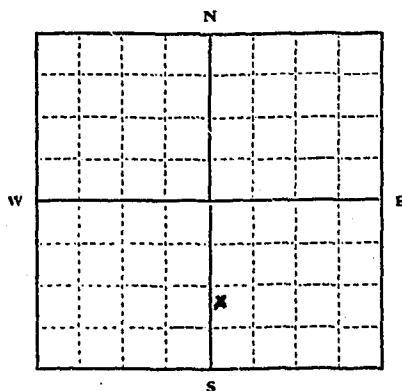
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights JAN 3 1968

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
STATE ENGINEER

1. Joe F. Lancelli, of Winneth
(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:



NW 1/4 SE 1/4

Sec. 10, T. 13, R. 25

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

2. The beneficial use on which the claim is based. Household, stock water & irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Sept 18, 1950 - Continuous Use
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 15 gal. per minute - artesian
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. SW 1/4 SE 1/4 Section 10 - T. 13N - R. 25E, Joe F. Lancelli, owner
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. free flowing artesian well
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Sept 18, 1950 to Oct. 18, 1950
8. The depth of water table. 839 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. 839 feet of 4 1/2" casing
10. The estimated amount of groundwater withdrawn each year. 15 gal. per minute
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

Joe F. LancelliDate Dec 30, 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.

20898

22391

#233

STATE OF MONTANA,

County of Petroleum,

Filed DEC 30 1963

at 4:40 o'clock P.M.

Bonny L. Dengel

Director of Records.

Rena Canale

Deputy

in 22.2

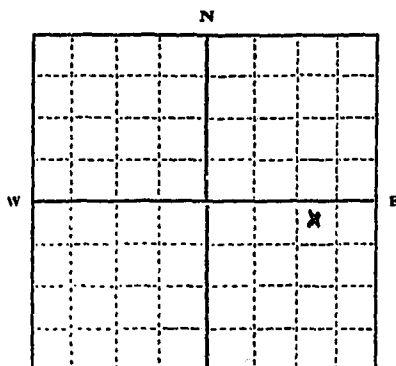
File No. 231

DUPLICATE

T 13 N 25 E
County PetroleumSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 3 1963
STATE ENGINEER1. Joe F. Lancelle, of Winnett
(Name of Appropriator) (Address)
County of Petroleum State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

NW 1/4 SE 4

Sec 12 T 13 R 25Indicate 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
Stockwater + Irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1915 - CONTINUOUS
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
NE 1/4 Section 11, T13N, R25E
Joe Lancelle - owner
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Windmill pumpjack has engine at
NW 1/4 SE 4 Section 11-13-25

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1915
8. The depth of water table 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.
Hand dug well - 3 1/2' wide - 12' deep
Rock cased
10. The estimated amount of groundwater withdrawn each year 4,320,000 gal. per year
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

Joe F. Lancelle
Date December 30, 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.

20896

#231

Filed DEC 30 1963

Filed DEC 30 1963

at 4:30 o'clock P.M.

Bonny L. Dengei

Director of Recons.

Lorin Carroll
Feb 22 04 Deputy

Deputy

File No. 253T. 15 R. 25

DUPLICATE

County Petroleum

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 8 1963

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater May 1, 1963Owner David Iverson Address RoundupContractor (if any) None

Address of Contractor

Date Started April 20 Date Completed May 1, 1963Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. by the use of apit dam dug down to water level and opened out.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

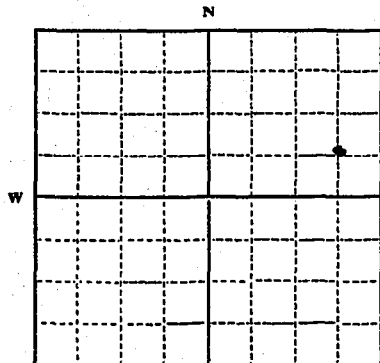
estimate approximate lengths of periods of use. 10 gallonsper minute continuously
and used thus.Signature of Owner David IversonDate Dec 31, 1963

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.



S. E. 1/4 NE 1/4 Sec. 31 T. 15 N. R. 25 E.

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

22415

STATE OF MONTANA
County of Petroleum

Filed DEC 31 1908

at 3:00 o'clock P.

Donny L. Doyle
Director of Records

2-1

Deputy

GROUNDWATER INDEX

Page of

County Petroleum Twp. 13N Rge. 26E

[illegible]

File No. 152T. 13R. 26

E.

DUPLICATE

County Petroleum

Flowing

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 25 1962

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

1. I, Robert & Orma Randall of Winnett Montana
(Name of Appropriator) (Address) (Town)
County of Petroleum, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is.....

SE 1/4 NE 1/4 Sec. 1 T13 R26
(describe lands to be benefited, if for irrigation)

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

30 gallons per minute

4. The annual period (inclusive dates) of intended use..... January 1 to December 31

5. The probable or intended date of first beneficial use..... April 30, 1962

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

April 14, 1962

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

SE 1/4 NE 1/4 Section 1 T13 R26

8. The probable or estimated depth of the water table or artesian aquifer..... 1700

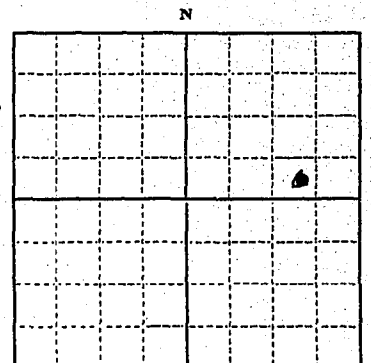
9. Name, address and license number of the driller engaged.....

E & L Drilling, Winnett, Montana License No. 58

10. Give such other similar information as may be useful

in carrying out the policy of this act.....

Used for irrigation March 1 to November 1, the rest of the year to be used for stock* and domestic



SE 1/4 NE 1/4 Sec. 1 T13 R26
Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator.....

Date April 15, 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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

20160

STATE OF MONTANA
County of Petroleum

Filed April 23 1962

at 3:00 o'clock P. M.

Walter A. Martin

County Recorder

Benny L. Fung

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—38496

File No. 253T 13 R 26

DUPLICATE

County Petroleum

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

0 Top soil, gravel etc.
225 Top of Ground
shale, bentonite, some lime
(Elev. above sea level.....)

210 sandy shale, med. hard sand

302 shale, sandy streaks, bentonite, chert

470 black brittle shale, sandy
shale, bent690 grey shale, bentonite, lime
shells, chert & grey clay1190 med. soft lt. grey sand, sandy shale
streaks lime & iron pyrites

1225 red shale, clay, chert lime

1423 white black speckled sand, white
clay, sandy shale1437 red & grey shale, clay
lime, chert, petrified
wood

1595 hard lime, white clay

1690 sand

1700 bottom

set 1/4 sec. 1 T13 R26.
Indicate location of well and
place of use, if possible. Each
small square represents 10 acres.

Show exact depth of bottom.

Owner Robert & Oren Randal Address Winnett, MontanaDriller C. & L. Drilling Address Winnett, MontanaDate of Notice of Appropriation of Groundwater April 23, 1962Date well started 3/15/62 Date Completed 4/14/62Type of well Drilled Equipment Used Rotary
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☒
Industrial ☐ Drainage ☐ Stock ☒

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7 7/8	5 1/2 o.d. 15 1/2 lb.	0	1700	slot	1598	1676

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

Shut-in Pressure for Flowing Well 70 p.s.i.

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

Discharge in gal. per min. of flowing well 14 g.p.m.

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

Remarks: (Gravel packing, cementing, packers, type of shutoff, loca-
tion 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).....20 acres.....

Larkin Fic 21 casing anchor packer set at 1598

Driller's License Number 58Driller's Signature C. & L. Drilling

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

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

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

St. Eng.

488

STATE OF MONTANA, } ss.
County of Petroleum.

Filed APR 23 1962 19

at 3:00 o'clock P M.

Velma R. Merten

County Recorder.

Benny L. Dangel
Deputy.

File No.

T. 13 N. R. 26 E.

DUPLICATE

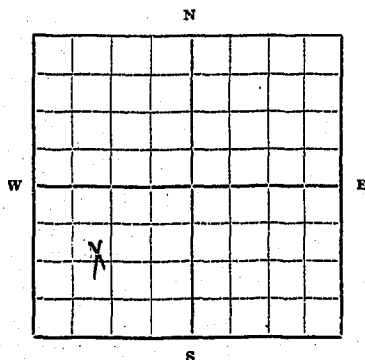
County. Petroleum

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Nebraska Feeding Company of Roundup OMAHA
(Name of Appropriator) (Address) (Town)
County of Missoula DOUGLAS State of Montana NEBRASKA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 SW Sec. 35, T. 13, R. 26 E.

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

2. The beneficial use on which the claim is based
stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
Nov. 6, 1953
used each year since
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
5 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
not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Pump run by gas motor.
location SW 1/4 SW Sec. 35, T. 13 N., R. 26 E.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
construction started Nov. 2, 1953 and completed Nov. 5, 1953
8. The depth of water table
water rises ft. to 12 feet from top of ground
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 in. casing down 20 feet; well is 29 feet deep.
10. The estimated amount of groundwater withdrawn each year
450,000 gal.
11. The log of formations encountered in the drilling of each well if available
0-20 feet sand and gravel
20-29 feet gray shale
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
This well is number 2 as listed on map of Nebraska Feeding Company Ranch possessed by ranch foreman.

Signature of Owner

Nebraska Feeding Company
W.C. Tooley, J. PRES.

Date June 22, 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.

1920

20407

State of MONTANA,
County of Petroleum.

Filed Aug 1 1962

at 9:50 o'clock A.M.

Welma R. Marten
County Recorder.

Deputy

170
U.R.M.

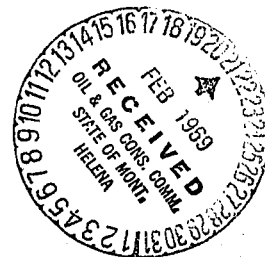
13N-26E

7

7/21/69

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA

R E L E A S E A G R E E M E N T



KNOW ALL MEN BY THESE PRESENTS, that I, Joe C. King
_____ of the County of _____ Petroleum _____ in
the State of Montana, am the owner of the hereinafter described land upon which
a well for oil or gas was drilled, to-wit:

Operator The Superior Oil Company
Lease Name State "A"
Well No. 1 Sec. 7, Twp. 13N, Rgs. 26E
The well is located 560 feet S of the north
line and 606 feet E of the west line.

That, in accordance with Regulation 233.6, Order No. 1-1, November 30, 1953,
I do hereby notify the Oil and Gas Conservation Commission of the State of Mon-
tana of my desire to utilize said well as a fresh water well; and, that if such
utilization is approved, I do hereby release and discharge the operator herein-
above named from any further work or responsibility in relation to the plugging
of said well.

WITNESS my hand and seal this 12 day of July 1967.

✓ Joe C. King (L.S.)
Landowner
Address P. O. Box 177
Winnett, Montana

IN THE PRESENCE OF:

Martin J. Barber Address WINNETT MONT.
Helene B. Wiegand Address " "

APPROVED BY:

Oil and Gas Conservation Commission

Lois D. Lanouette
Petroleum Engineer or Executive Secretary

Dated: July 24 1967

File No.

T 13 N R 26 E

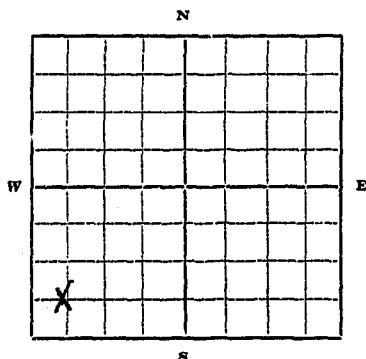
DUPLICATE

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)

1. Nebraska Feeding Company of 701 WABSTOCK EXCH OMAHA
(Name of Appropriator) (Address) (Town)
County of Musselshell DOUGLAS State of Nebraska NEBRASKA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec 24 T13N R26E

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 Nov. 15, 1953
Used each year since

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump run by gas motor;
location SW 1/4 Sec 24, T13N, R26 E

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater construction started Nov. 12, 1953, completed Nov. 14, 1953

8. The depth of water table water rises 7 feet from top of ground

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 in. casing down 20 feet. Well is 40 feet deep.

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

11. The log of formations encountered in the drilling of each well if available 0-20 ft.-sand and gravel
20 to 40 ft.-grey shale

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record This is well number 1 as listed on map of Nebraska Feeding Company Ranch possessed by ranch foreman.

Signature of Owner

Nebraska Feeding Company
W.C. Tally J. REES.

Date June 22, 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.

20408

171
U.R.m

STATE OF MONTANA, { ss.
County of Petroleum.

Filed Aug 1 1962

at 9:55 o'clock A. M.

Walter R. Merten
County Recorder.

Per my

GROUNDWATER INDEX

Page 2 of 2

County Petroleum Twp. 13N Rge. 27E

[illegible]

13-27

3

RECEIVED
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
JUL 8 1973

County Petroleum

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL
Developed After January 1, 1962

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

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 may be returned.

For Administrator's Use -

File 27829

June 29, 1973

GW 1 10-50 ft. m.

Owner Fence Land Lites & C. Inc.

Address Box 1352 Billings, Montana

Contractor (if any) _____

Address of Contractor _____

Date Started _____ Date Completed _____

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) Spring

2. Means of withdrawing water (gravity, pump, canal, etc.)

Gravity

3. Depth of water table _____

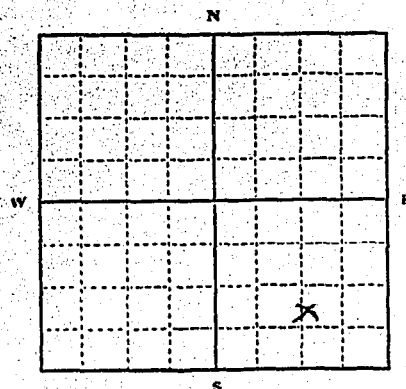
4. Use of the water Stock Water

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 15 gal. per min.

6. If used for irrigation, give number of acres and description of land _____

7. Estimate amount of water used each year _____

8. Months of year spring flows 12 months



SE 1/4 Sec. 3

T. 13 N R. 27 E

S W

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE. Elevation of spring, if known or estimated _____

Signature of Owner

Fence Land Lites & C. Inc.
June 29, 1973

54572

87879

67037 337

STATE OF MONTANA,
County of Petroleum,

Filed JUN 29 1973

at 10:50 o'clock A. M.

Orville Barber
Director of Records

Deputy

RECEIVED

JUL 2 1973

191-1500-10/69

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

13N. 57E - 7
County Petroleum 12
20

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL
Developed After January 1, 1962

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

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 may be returned.

For Administrator's Use

File 27876, 335
June 29, 1973
GW 1 10.35 A.M.

N

W E

S

1/4 1/4 Sec.

T. 13 N R. 27 E
S W

INDICATE POINT OF APPROPRIATION
AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or estimated _____

Owner Fraser Land, Livestock Co. Inc.
Address Box 1352 Billings Montana
Contractor (if any) _____
Address of Contractor _____
Date Started _____ Date Completed _____

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) DAMS

2. Means of withdrawing water (gravity, pump, canal, etc.) gravity & Pump

3. Depth of water table _____

4. Use of the water Stock water & irrigation

5. Amount of groundwater claimed (in miner's inches or gallons per minute) All water not claimed on Alkali Creek in Sec 20 Sec 17 & Sec 8 Sec 7 & Drainage

6. If used for irrigation, give number of acres and description of land 75 A N.E. sec 16 SW Sec 8

7. Estimate amount of water used each year _____

8. Months of year spring flows 12 months

Signature of Owner Fraser Land, Livestock Co. Inc.
Date June 20, 1973

54570

87876

G.W. 3 #335

STATE OF MONTANA,
County of Petroleum, ss.

Filed JUN 29 1973

at 10:35 o'clock A.M.

Orene Barlow
Director of Records

Deputy

WILLIAM O. GROMBOWITZ, PROBATIONARY JUDGE

WILLIAM O. GROMBOWITZ, PROBATIONARY JUDGE
STATE OF MONTANA

File No. 258

T. 13N R. 27E

DUPLICATE

County Petroleum

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECORDED
JAN 3 1964

8
9
10

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

(Under Chapter 237 Montana Session Laws, 1961)

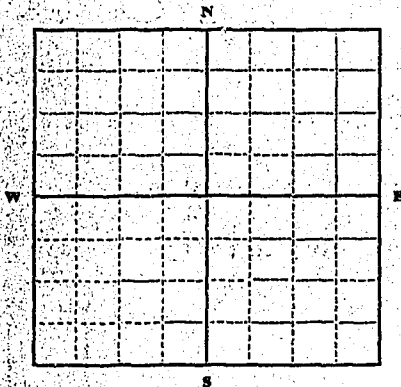
Drain of Appropriation of Groundwater 1946 & continuous develop-
ment and upkeep
Owner FRASER LAND & LIVESTOCK CO. INC. Box 1352-Billings

Contractor (if any) R. B. Fraser

Address of Contractor Box 1352 Billings, Montana

Date Started 1946 Date Completed continuous maintenance

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



1/4 Sec. T. 13N R. 27E
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

Springs have continuous flow - can't be measured when
run off water is flowing in creek. (these springs are
predominately in the creek bed in sections 8, 9, 10
& 17

Signature of Owner FRASER LAND & LIVESTOCK CO INC.
R. B. Fraser

Date 12/31/63

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.

62488

20923

22420

STATE OF MONTANA
County of Petroleum

Filed DEC 31 1963

at 5:25 P.M.

Dwight Dwyer
Director

D.C. Deputy

GT

File No. 256

DUPLICATE

T 13N R 27E

County Petroleum

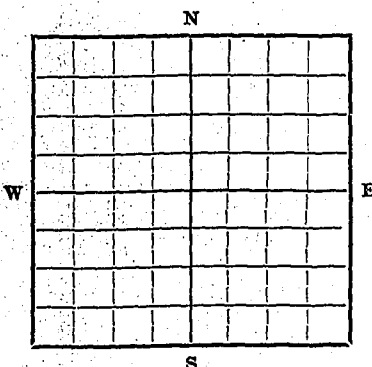
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 3 1963

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

STATE ENGINEER

1. FRASER LAND & LIVESTOCK CO., INC., of Box 1352 Billings, Montana
(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:



1/4 Sec. 8 T. 13N R. 27E

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 & domestic
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1946
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons when pumped
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 driven wells

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1946 & thereafter
8. The depth of water table 15 to 30 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 2 1/2" driven wells up to 40 feet in depth
10. The estimated amount of groundwater withdrawn each year 36,000 gals.
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

These wells were driven, maintained, and supplemented as needed around the farm buildings located principally in Section 8, but also in Sections 13 and 14.

Signature of Owner FRASER LAND & LIVESTOCK CO INC.
Date 12/31/63

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

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

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

20921

RECEIVED

JUL 2 1973

13-27

8

3 GW 3 Revised 1969
191-1500-10/69

MONTANA DEPARTMENT OF NATURAL

RESOURCES AND CONSERVATION STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

MONTANA WATER RESOURCES BOARD

County Petroleum

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

Developed After January 1, 1962

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

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 may be returned.

For Administrator's Use

File 27885, 344

Jan 29 1973

GW 1 11-20-H-171

Owner Fraser Land Lumber Co. Inc.

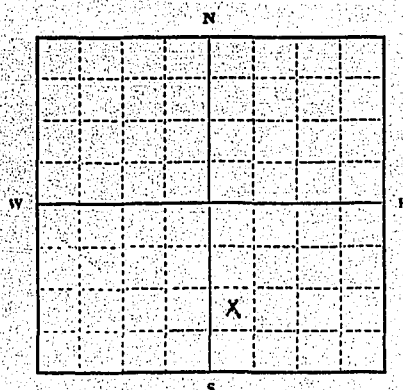
Address Box 1252 Billings Montana

Contractor (if any) _____

Address of Contractor _____

Date Started _____ Date Completed _____

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) Dug well



SW 1/4 Sec. 8

T. 13 N R. 27 E

S W

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.

Elevation of spring, if known or estimated _____

2. Means of withdrawing water (gravity, pump, canal, etc.) Pump

3. Depth of water table 20'

4. Use of the water Stock water

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 25 gal P. min

6. If used for Irrigation, give number of acres and description of land _____

7. Estimate amount of water used each year _____

100,000 gal

8. Months of year spring flows 12 months

Signature of Owner Fraser Land Lumber Co. Inc.

Date Jan 20 1973

54586

97885-

EW3 #344

STATE OF MONTANA,
County of Petroleum,

Filed JUN 29 1973

at 11:20 o'clock A. M.

Orene Barbee
Director of Records.

Deputy

NOTICE OF COMPLETION OF CERTAINLY AND PROBABLY INTERESTS

13-27
8
RECEIVED
Montana GW 3 Revised 1969
191-1500-10/69

JUL 2 1973

STATE OF MONTANA

County Petroleum

ADMINISTRATOR OF GROUNDWATER CODE
MONTANA DEPARTMENT OF LAND AND
RESOURCES AND CONSERVATION
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

Developed After January 1, 1962

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

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 may be returned.

For Administrator's Use
File <u>27884; 345</u>
<u>1-25-1973</u>
GW 1 <u>June 29, 1973</u>

Owner Frasen Land & Livestock Co. Inc.

Address Box 1352 Billings Montana

Contractor (if any) _____

Address of Contractor _____

Date Started _____ Date Completed _____

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) Dug well

2. Means of withdrawing water (gravity, pump, canal, etc.)

Pump

3. Depth of water table 23 feet

4. Use of the water Stock water

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 20 gal per min

6. If used for irrigation, give number of acres and description of land _____

7. Estimate amount of water used each year

100,000 gal or what is needed

8. Months of year spring flows 12 months

Signature of Owner

Frasen Land & Livestock Co. Inc.
By Gary R. Rasmussen
Date June 29, 1973

INDICATE POINT OF APPROPRIATION
AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or esti-

mated _____

54578

27886

G.W.3 # 345

STATE OF MONTANA,
County of Petroleum,

Filed JUN 29 1973

at 11:25 o'clock P.M.

Phene Barber
Director of Records

Deputat

SCORE OF CONFERENCES OF AMERICAN YACHTSMEN AND THE

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
WASHINGTON, D. C.

卷之四

RECEIVED

13-27

3 GW 3 Revised 1969
191-1500-10/69

JUL 2 1973

County Potter

STATE OF MONTANA
MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

Developed After January 1, 1962

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

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 may be returned.

For Administrator's Use

File 27884; 343

June 29, 1973

GW 1 11:15 A.M.

N

W E

S

X

SE 1/4 SW 1/4 Sec. 8

T. 13 N R. 27 E

S W

INDICATE POINT OF APPROPRIATION
AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or esti-

mated _____

Owner Fraser Land & Livestock Co. Inc.

Address Box 1352 Billings Mont

Contractor (if any) _____

Address of Contractor _____

Date Started _____ Date Completed _____

1. Describe means of obtaining groundwater (as by sub-irrigation,
developed spring, drains, etc.) Dug Well

2. Means of withdrawing water (gravity, pump, canal, etc.) Pump

3. Depth of water table 18

4. Use of the water Stock & Farmstead

5. Amount of groundwater claimed (in miner's inches or gallons
per minute) 40 gal P. Min

6. If used for irrigation, give number of acres and description
of land _____

7. Estimate amount of water used each year 500,000 gal

8. Months of year spring flows 12 months

Signature of Owner Fraser Land & Livestock Co. Inc.
By [Signature]
Date June 29, 1973

54577

27884

17.03 #393

STATE OF MONTANA,
County of Petroleum, } ss.
Filed JUN 29 1973

at 11:15 o'clock A.M.

Orville Barber
Director of Records

Deputy

OFFICE OF COMMISSIONER OF GEOGRAPHICAL NAMES AND PLACES

DEPARTMENT OF LAND AND WATER RESOURCES
DIVISION OF GEOGRAPHICAL NAMES

STATE OF MONTANA

17-03 #393

File No. 257
DUPLICATE

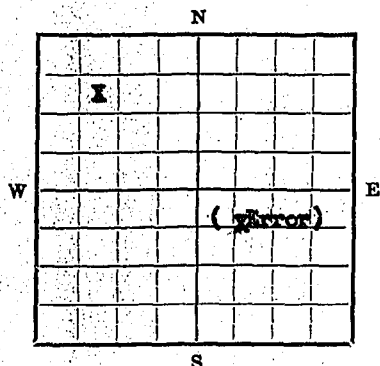
T. 13N R. 27E
County Petroleum

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER
JAN 3 1963

1. FRASER LAND & LIVESTOCK CO INC., of Box 1352 Billings, Montana
(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:



10
Sec. 1/4 T13N R. 27E

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 1946 approximately
continuous use since that time
4. The amount of groundwater claimed (in miner's inches or gallons per minute) five gallons to fifteen 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 well shown in diagram
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater approximately 1946 - several months in process
8. The depth of water table 2800' (artesian flow)
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 3000 feet deep approximately. 7" casing for 2000 feet, 5" for 1000 feet
10. The estimated amount of groundwater withdrawn each year one million gallons
11. The log of formations encountered in the drilling of each well if available Eagle sand
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record This well was drilled by Taylor Drilling Co.

FRASER LAND & LIVESTOCK CO., INC.
Signature of Owner By T. B. Fraser
Date 12/31/63

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

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

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

20922

22419

STATE OF MONTANA,
County of Petroleum,

Filed DEC 31 1963

at 3:20 o'clock P.M.

Donny L. Boyd
Director of Records

Deputy

County Clerk

and

Recorder

of the County of Petroleum

State of Montana

do hereby certify that the foregoing

is a true and correct copy of the

original as the same appears in the

records of the County of Petroleum

State of Montana

this 31st day of December 1963

at Helena, Montana

Donny L. Boyd

Deputy

County Clerk

and

Recorder

11. The list of formations encountered in the drilling of well is as follows:

12. The estimated amount of formations encountered was _____

13. The depth of each layer is as follows:

14. The thickness of each layer is as follows:

15. The nature of the formation and composition of the formation is as follows:

16. The nature of the formation and composition of the formation is as follows:

17. The nature of the formation and composition of the formation is as follows:

18. The nature of the formation and composition of the formation is as follows:

19. The nature of the formation and composition of the formation is as follows:

20. The nature of the formation and composition of the formation is as follows:

21. The nature of the formation and composition of the formation is as follows:

GW

Approved Stock Form—State Publishing Co., Helena, Montana—423

File No. 296T. 13N R. 27E

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVEDCounty Petroleum

LOG

AUG 20 1969 STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level)

0 to 3 surface soil

3 to 14 fine silty sand

14 to 88 hard sand iron nodules

88 to 96 shell

96 to 128 friable sand

128 to 190 silty sand to firm sand stringers H₂O indicated

190 to 201 friable sand H₂O

201 to 201 silty shale

T.D.

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner Fraser Land and Livestock Co. Inc. Address Box 1352, Billings, Mont.

Driller Munson Drilling Co. Address Grass Range, Mont.

Date of Notice of appropriation of groundwater Not applicable

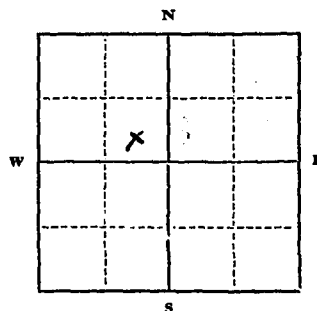
Date well started July 6, 1969 Date completed July 15, 1969

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)
12"	8 5/8" 80.00 Blk 22#/ft	0	115			
6 1/4"	4" I.D. galv. 7.8#/ft.	15	201		172	192



S. 11 T. 13 R. 27
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 146 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 157 feet at 4 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested continuous pump

Length of Test

Remarks: (Gravel packing, cementing, packers, type of shutoff) cave type packers @ 16' 88'--170'

12 sks cement surface

(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

B. M. Munson
Driller's Signature

15540

#26207

W. Well #296

STATE OF MONTANA,
County of Petroleum,

Filed AUG 19 1969

at 8:55

Darius Parrell

Director of Records

Re. 12.00

Deputy

CLERK

OFFICE OF

RECORDS

STATE OF MONTANA

HELENA, MONTANA

1969

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RECEIVED

JUL 2 1973

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

MONTANA DEPARTMENT OF LAND, WATER RESOURCES BOARD
RESOURCES AND CONSERVATION

County Petroleum

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

Developed After January 1, 1962

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

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.

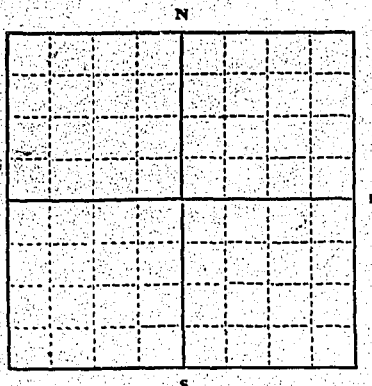
Please answer all questions. If not applicable, so state, otherwise the form may be returned.

For Administrator's Use

File 27888-348

June 29, 1973

GW 11-95 H.M.



1/4 Sec. 13
T. 13 N R. 27 E
S W

INDICATE POINT OF APPROPRIATION
AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or estimated

mated

Owner Fraser Land & Livestock Co. Inc.

Address Box 1352 Billings Montana

Contractor (if any)

Address of Contractor

Date Started Date Completed

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) Stock water
Flowing down Johnson Coulee in
Sec 18 Sec 7 R 13 R 28 Sec 1
T 13 R 28 Sec 36 T 14 R 27

2. Means of withdrawing water (gravity, pump, canal, etc.)

3. Depth of water table

4. Use of the water Stock water

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

6. If used for irrigation, give number of acres and description of land

7. Estimate amount of water used each year

8. Months of year spring flows 12 months

Signature of Owner

Date

Fraser Land & Livestock Co. Inc.
June 29, 1973

54581

91288

EW 3 347

STATE OF MONTANA,
County of Petroleum,

Filed JUN 29 1973

At 11:35 o'clock P.M.

Orin Barber
Director of Records

Deputy

NOTICE OF COMMISSION OF PROBATION TO MONTANA TO BEHOLD

ADMINISTRATIVE SERVICES
ADMINISTRATIVE SERVICES
ADMINISTRATIVE SERVICES

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RECEIVED

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

Developed After January 1, 1962

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

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 may be returned.

For Administrator's Use

File 2-2882, 341

June 29, 1973

GW 1 11:05 A.M.

N

W E

S

NE 1/4 SE 1/4 Sec. 13

T. 13 N. R. 27 E

S W

INDICATE POINT OF APPROPRIATION
AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or esti-

mated _____

Owner Frazer Land & Livestock

Address Box 1352 Billings Montana

Contractor (if any) _____

Address of Contractor _____

Date Started _____ Date Completed _____

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) Stock Dam
140 yds long 500 yds long 15ft
deep

2. Means of withdrawing water (gravity, pump, canal, etc.) _____

3. Depth of water table _____

4. Use of the water _____

5. Amount of groundwater claimed (in miner's inches or gallons per minute) All waters Running into Pond

6. If used for irrigation, give number of acres and description of land _____

7. Estimate amount of water used each year _____

8. Months of year spring flows 12 months

Signature of Owner

Date

Frazer Land & Livestock Co Inc
by Gary Frazer
June 29 1973

54575