

G.

File No.

T 19 N R 59E
County Richland

DUPLICATE

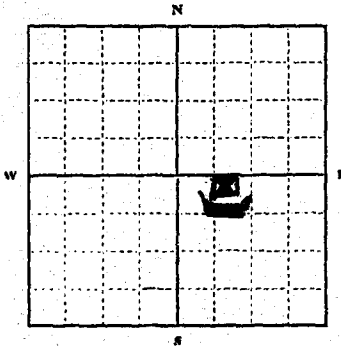
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Hugh B Brown, of Skier Rte - Sidney,
(Name of Appropriator) (Address) (Town)
County of Richland State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 2 T19 R59E

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 + Agricultural Purposes
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been purchased land in 1957 and have used continuous since.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15000 gal per hour 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 By pump.

- 7. The date of commencement and completion of the construction of the well, well, or other works for the withdrawal of groundwater 1958 Commencement started & completed same year.
- 8. The depth of water table 360'
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6" casing, 360' deep pumped by electrical motor.
- 10. The estimated amount of groundwater withdrawn each year 45000 Gallons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 Hugh Brown
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 Montana Bureau of Mines and Geology, and Quadruplicate to the Appropriator.

29695

286401

STATE OF MONTANA, }
County of Richland, }

Filed Dec 31 day of

December A. D. 1962

at 10:01 o'clock P.M.

L. L. Grober
County Recorder

John Durbin
Deputy

fee \$2.00
filed

Handwritten notes on the left side of the document, including the number 286401 and some illegible scribbles.

Handwritten notes on the left side of the document, including the number 286401 and some illegible scribbles.

Extensive handwritten notes on the right side of the document, including the number 286401 and various illegible scribbles.

T. 19N R. 59E 2
County: Richland

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
NOV 28 1958

WATER WELL LOG

STATE ENGINEER

Owner: Emil Dossan Address: Liberty mont
Driller: Judy madsen Address: 220 P. SE Liberty mont
Date Started: May 21 - 58 Date Completed: 26 MAY 58
Location: Sec. 2 T. 19 R. 59 ¼ sec.

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

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

Casing: 309 ft. to _____ ft. Type: A.D. Size: 6 in
Casing: _____ ft. to _____ ft. Type: _____ Size: _____
Casing: _____ ft. to _____ ft. Type: _____ Size: _____

Perforated or Screened: Ft. 281 to ft. 319 Ft. _____ to ft. _____

Type of screen or perforations: Cut with cutting tooth

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

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

Pumping water level: 28 feet at 2.0 gal. per min.

How tested: Bailing

Length of test: 4 Hours

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

(over)

RECEIVED

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

JUN 23 1971

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.

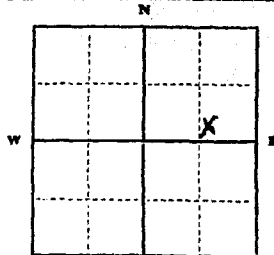
Owner Lloyd Wick
Address Sidney, Mont.
Date well started 6-4-1971
completed 6-8-1971
Type of well drilled
Equipment used rotary
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other Garden/Lawn

For Administrator's Use
File 319442
June 23, 1971
4:18 PM
GW 1

*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 300,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
12"	4" I.D. 10# pipe ft.	0	300	torch slots 1/8 x 4"	275	300



Static water level 270 ft.*
Pumping water level ft.*
at gallons per minute,
measured minutes after pumping
began.
*Measured from ground level.
Well developed by baller
for hours.
Power alc. Pump HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) well
reamed to 12" and gravel
packed around 4" casing and
clay filled to top

T. 19 N. R. 59 Sec. 2

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

Driller's Signature Francis Boyer
Driller's Address Sidney Mont.
Box 749 LICENSE NO. 92

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) 2360

From (Feet)	To (Feet)	
0	35	top soil and yellow clay
35	50	gray clay
50	53	black clay
53	70	gray clay
70	75	coal
75	102	gray shale
102	136	fine sandstone
136	223	gray shale
223	226	coal
226	252	gray shale
252	254	rock
254	270	firm gray shale
270	300	fine gray sandstone

300 Show exact depth of bottom

48655

STATE OF MONTANA, } ss. 319442
County of Richland, }

Filed this 9th day of

June A. D. 19 71

at 4:18 o'clock, P. M.

Robert Bierke
County Recorder

Gene Paladichuk
Deputy

Filed
\$2.00 fee

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

RECEIVED

JUN 30 1970

DRILLER'S LOG

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Dallas D. Luman
Address Fairview, Mont
Date well started 10, June 1970
completed 13, June 1970

For Administrator's Use	
File	<u>June 29, 1970</u>
	<u>11:50 A.M.</u>
GW I	<u>315477</u>

Type of well drilled
(Dug, driven, bored or drilled)

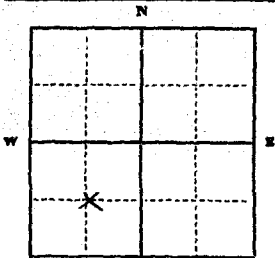
Equipment used burn 4111
(Cable tool, rotary or other)

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 180,000 gal's

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
<u>5 1/2"</u>	<u>4" x 1.5"</u>	<u>0</u>	<u>255</u>	<u>NONE</u>		



Static water level 200 ft.*
Pumping water level 230 ft.*
at 6 gallons per minute,
measured 30 minutes after pumping began.
*Measured from ground level.
Well developed by bafter
for 3 hours.
Power 0.100 Pump 3/4 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

1/4 Sec 3
T. 19 N. R. 59 E
XX XX

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

Driller's Signature [Signature]
Driller's Address Box 1102 Sidney, Mont

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
<u>0</u>	<u>38</u>	<u>brown clay</u>
<u>38</u>	<u>67</u>	<u>gray shale</u>
<u>67</u>	<u>103</u>	<u>gray sandy shale</u>
<u>103</u>	<u>116</u>	<u>gray shale</u>
<u>116</u>	<u>125</u>	<u>gray shale con' streak</u>
<u>125</u>	<u>132</u>	<u>con'</u>
<u>132</u>	<u>159</u>	<u>gray black shale</u>
<u>159</u>	<u>216</u>	<u>gray shaly sand</u>
<u>216</u>	<u>225</u>	<u>con'</u>
<u>225</u>	<u>232</u>	<u>gray shale</u>
<u>232</u>	<u>260</u>	<u>gray sand water</u>

315477

STATE OF MONTANA, } ss.
County of Richland,

Filed this 29 day of

June A. D. 1970

at 11:50 o'clock, P.M.

Helen Burke
County Recorder

Edmund J. Cook
Deputy

fee \$2.00

File No. _____

T. 19N R. 59E

DUPLICATE

County RICHLAND

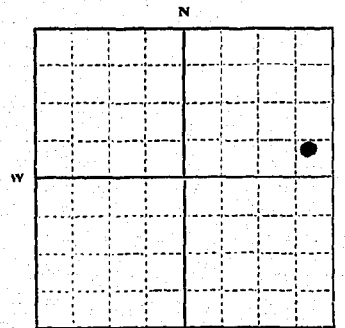
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. DEAN E. YOUNGBLUST of SKAAR RT. SIDNEY
(Name of Appropriator) (Address) (Town)
County of RICHLAND State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 5 T. 19N R. 59E

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.....
APPROX - 1930
EVERY YEAR
4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
10 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.....
ELECTRIC PUMP
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
APPROX. 1930
8. The depth of water table.....
100'
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.....
4 IN. CASING, 105' DEEP
10. The estimated amount of groundwater withdrawn each year.....
500,000 GAL.
11. The log of formations encountered in the drilling of each well if available.....
NOT AVAILABLE
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....
NOT KNOWN

Signature of Owner

Dean E. YoungblustDate 12/28/1963

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.

29533

286234

STATE OF MONTANA,
County of Richland

Filed this 30 day of

Dec. A. D. 1963

at 2:22 o'clock P.M.

E. S. Keadel
County Registrar

D. Sullivan
Deputy

juv. #2
filed

File No. _____

MONTANA WATER RESOURCES BOARD

T. 19 N. R. 21 E

DUPLICATE

RECEIVED

County Richland

JUN 12 1968

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground	
(Elev. above sea level)	
0	610 sand & clay
10	17 scoria & yellow clay
18	25 gray clay
25	27 coal
27	71 gray shale
71	74 rock
74	97 gray shale thin layers
97	101 coal
101	125 gray shale
125	128 coal
128	300 gray shale
300	323 sandstone (fine)
323	342 coarse sand & clay
342	369 rock
369	393 coarse sand (for fill)
393	397 rock
397	455 gray shale
455	498 bottom shale
498	502 rock
502	570 gray shale
570	576 rock
576	594 sandstone (light gray)
594	598 rock
598	640 hard gray shale
640	642 rock
642	648 hard gray shale
648	649 rock
649	735 hard shale brown & gray layers
735	736 rock
736	874 hard gray shale
874	879 rock
879	914 gray shale
914	919 rock
919	972 hard gray shale
972	974 rock
974	1040 gray shale
1040	1083 hard sandstone
1083	1107 sandstone calcareous
1107	1110 hard shale

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner Ray Sult Address Sidney Mont

Driller Thomas Boyce Address Sidney Mont

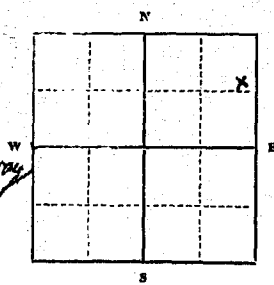
Date of Notice of appropriation of groundwater _____
Date well started May 21 1968 Date completed May 22 1968

Type of well Artificial 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)
4" 6 3/8 x 4"	10 lb 10 ft	0	33			
3 7/8" 10 ft	1 1/2" galv	0	1110	10 lb 10 ft	1072	1110



Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well 30 lbs

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

Discharge in gal. per min. of flowing well 15 gallons

How Tested _____

Length of Test _____

Remarks: (Gravel packing, cementing, packers, type of shutoff 1 1/2" steel packer set from 1067 to 1072 ft)

NE 1/4 Sec. 7 T. 19. R. 59
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.
1110

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.

No 92
Driller's License Number
Thomas Boyce
Driller's Signature

44,224

305432

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

Filed this _____ 10 day of

June A. D. 1968

at 4:38 o'clock P. M.

Helen Dierke
County Recorder

J. Paladichuk
Deputy

292
filed

File No.

T. 19 N. R. 59 E

DUPLICATE

County RICHLAND

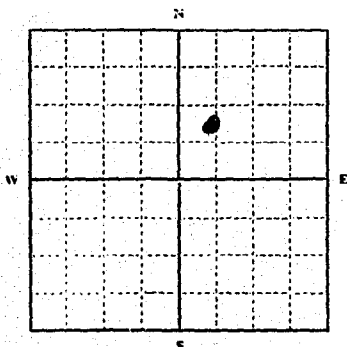
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECORDED
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. DEANE F. YOUNGQUIST, of SKAAR RT SIDNEY
(Name of Appropriator) (Address) (Town)
County of RICHLAND State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 8 T19NR59E

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
1948
EVER YEAR

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
8 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
WINDMILL & PUMP

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
1948

8. The depth of water table
150'

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
5" CASING, 165', DRILLED

10. The estimated amount of groundwater withdrawn each year
250,000

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
NOT KNOWN

Signature of Owner DEANE F. YOUNGQUIST
Date 12/28/1963

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.

286235

STATE OF MONTANA, }
County of Richland, }

Filed this 30 day of Dec A. D. 19 62

at 2:24 o'clock, P. M.

E. L. Kasher
County Recorder

filed
Dec. 20

RECEIVED
JAN 19 1959
STATE ENGINEER

T. 19 N R. 59 E 10
County: Richland

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Melvin F. Johnson Address: Skunk Pt. Sidney, Mont

Driller: David Johnson Address: Sidney, Mont

Date Started: 10-6-58 Date Completed: 10-17-58

Location: Sec. 10 T. 19 R. 59 1/4 sec. S.E.

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

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

Casing: 0 ft. to 24 ft. Type: concrete Size: 16"

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

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

Perforated or Screened: Ft. 18 to ft. 24 Ft. _____ to ft. _____

Type of screen or perforations: 2 1/2"

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

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

Pumping water level: 22 feet at 5 gal. per min.

How tested: 4" test

Length of test: 1 hr

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

Gravel packing

(over)

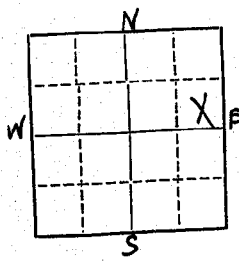
T. 19 R. 59 2 12

County Richland RECEIVED

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG



Owner Frank Balducks Address Sidney, Montana

Driller Francis Boyce Address Trotters, N. Dak.

Date Started July 7, 1961 Date Completed July 10, 1961

Location: Sec. 12 T. 19 R. 54 1/4 sec. East

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

Water use: Domestic Municipal Stock Irrigation

Industrial Drainage Other: _____

Casing: 0 ft. to 197 ft. Type Line Pipe Size 4 inch 11 lbs. per ft.

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

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

Perforated or Screened: Ft. 171-6 to ft. 197 Ft. _____ to ft. _____

Type of screen or perforations Torch slots 1/2 inch x 6 inch

Static Water level, for non-flowing well: 171 ft. down feet.

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

Pumping water level 180 feet at 5 gal. per min.

How tested: Pump

Length of test 5 hours

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

(over)



File No.

19 N 57 E 2012
R
Richland
County

DUPLICATE

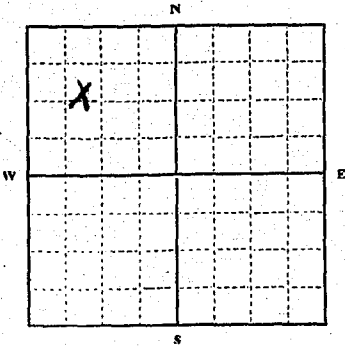
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

R
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Frank Baiduck (Name of Appropriator), of Skaar Route Sidney (Town)
County of Richland State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 12 T. 19 R. 57
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 *for watering livestock*
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been *July 1961*
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) *about 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
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal *well drawn by pumping*
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater *Started & completed July 1961*
- 8. The depth of water table *about 8 ft.*
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater *Drilled with post hole digger
14 inch hole
6 inch iron casing
about 20 feet deep*
- 10. The estimated amount of groundwater withdrawn each year *about 100,000 gal*
- 11. The log of formations encountered in the drilling of each well if available *sandy gravel, clay*
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner *Frank Baiduck*
Date *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.

286212

STATE OF MONTANA, } ss.
County of Richland,

Filed this 30 day of December 1962

at 1:38 o'clock P.M.

Helen Luske
County Recorder
Deputy

file 200
filed

RECEIVED

County Beaumont 19

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.

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.

Owner Baldock Bros
Address Beaumont
Beaumont, Montana
Date well started 4-1-1973
completed 4-12-1973

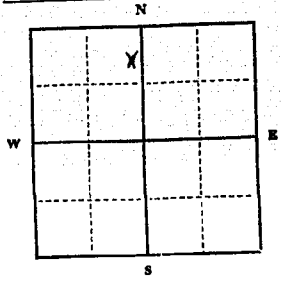
For Administrator's Use
File # 227067
May 14, 1973 @ 10:40
Adm. Kellen Decker
GW 1 Chief
by J. Coakley
Filed - Fee \$20.00

Type of well drilled (Dug, driven, bored or drilled)
Equipment used rotary (Cable 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 500,000 gal

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	4" ID 7.5" W	0	363	none		



NE 1/4 NW 1/4 Sec 13
T. 19 N. R. 29 E

Static water level 225 ft.*
Pumping water level 10 ft.*
at 10 gallons per minute,
measured 10 minutes after pumping began.
*Measured from ground level.
Well developed by 10 hours.
Power 10 Pump 10 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) 10

Top of Ground (Elev. above sea level)	
From (Feet)	To (Feet)
0	25
25	30
30	32
32	37
37	39
39	42
42	48
48	52
52	58
58	62
62	68
68	72
72	78
78	82
82	88
88	92
92	98
98	102
102	108
108	112
112	118
118	122
122	128
128	132
132	138
138	142
142	148
148	152
152	158
158	162
162	168
168	172
172	178
178	182
182	188
188	192
192	198
198	202
202	208
208	212
212	218
218	222
222	228
228	232
232	238
238	242
242	248
248	252
252	258
258	262
262	268
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288	292
292	298
298	302
302	308
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642	648
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658	662
662	668
668	672
672	678
678	682
682	688
688	692
692	698
698	702
702	708
708	712
712	718
718	722
722	728
728	732
732	738
738	742
742	748
748	752
752	758
758	762
762	768
768	772
772	778
778	782
782	788
788	792
792	798
798	802
802	808
808	812
812	818
818	822
822	828
828	832
832	838
838	842
842	848
848	852
852	858
858	862
862	868
868	872
872	878
878	882
882	888
888	892
892	898
898	902
902	908
908	912
912	918
918	922
922	928
928	932
932	938
938	942
942	948
948	952
952	958
958	962
962	968
968	972
972	978
978	982
982	988
988	992
992	998
998	1002

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

Driller's Signature [Signature]

Driller's Address [Address]

LICENSE NO. 15

10 Show exact depth of bottom

53144



GW-2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
MAY 15 1973

County Richland 13
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

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 Baldock Bros

Address Shaan Route
Madison, Montana

Date well started 4-12-1973

completed 4-17-1973

For Administrator's Use
File # 322067
May 14 1973 @ 10:40
AM
Allen Strick
GW 1
by G. Osalameyer
Filed - See 122.03

Type of well drilled
(Dig, driven, bored or drilled)

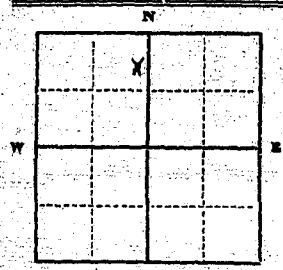
Equipment used rotary
(Cable drill, rotary or other)

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 500,000 gal

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
<u>6"</u>	<u>4" ID</u> <u>7.5 lb</u>	<u>0</u>	<u>263</u>	<u>none</u>		



NE 1/4 NW 1/4 Sec 13
T. 19 N. R. 39 E. 7
S. W.

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

Driller's Signature Thomas L. Payne

Driller's Address 1177 Highway 101

LICENSE NO. 72

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	85	soil
85	90	clay
90	93	clay
93	159	clay
159	157	clay
157	230	clay
230	232	clay
232	252	clay
252	255	clay
255	310	clay

Static water level 225 ft.*
Pumping water level 235 ft.*
at 5 gallons per minute,
measured minutes after pumping
began.

*Measured from ground level.
Well developed by 2 1/2
for 2 hours.

Power Pump 3/4 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

310 Show exact depth of bottom

327067

STATE OF MONTANA, } ss.
County of Richland,

Filed this 14 day of

May A. D. 19 73

at 10:40 o'clock P. M.

Helen Linke
County Recorder

Jay Cartmeyer
Deputy

Filed

Fee: \$2.00

File No.

T 19 N 39 E 111
R
County Richland

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

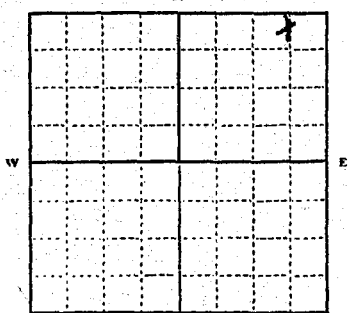
R

JAN 20 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Frank Balducke, of Skaar Bte Sidney
(Name of Appropriator) (Address) (Town)
County of Richland State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. T. R.
14 19 59

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 for house and stock use
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been Mar 4th 1956
In daily use since
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) about 5 or 6 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
Sumppit

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced + Completed Mar. 4, 1956
- 8. The depth of water table 13 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.
Drilled well - 24 inches, 50 ft deep - cement casing
- 10. The estimated amount of groundwater withdrawn each year. 200,000 gallons
- 11. The log of formations encountered in the drilling of each well if available
granite clay
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Frank Balducke
by Mrs. Frank Balducke
Date Nov. 28, 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.

29510

286211

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

Filed 30 day of
December A. D. 1963
at 1:36 P. M.

E. J. Kasper
County Recorder
Heba Luoke
Deputy

for \$200
filed

File No.....

T. 19 R 51 E

DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

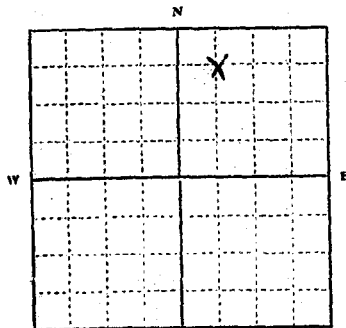
RECEIVED
DEC 27 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1945
Owner Karney J. Redman Address Sidney, Montana
Contractor (if any) unknown
Address of Contractor unknown
Date Started unknown Date Completed unknown

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. water comes to surface under natural pressure and flows down to fill a tank.



NE 1/4 Sec. 18, T. 19, R. 59
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 rate of flow measured as it fills the tank for stock water - used all year as stock water supply - 3 gallons per minute

Signature of Owner Karney J. Redman
Date Dec. 26, 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.

File No.

T. 19th 5th E

DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 27 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 287 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1945

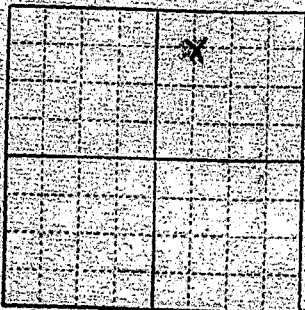
Owner Karney J. Redman Address Sidney, Montana

Contractor (if any) unknown

Address of Contractor unknown

Date Started unknown Date Completed unknown

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Water comes to surface under natural pressure and flows down to fill a tank.



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. Rate of flow measured as it fills the tank for stock water. Used all year as stock water supply. 3 gallons per minute.

Signature of Owner Karney J. Redman

Date Dec 21, 1963

NE 1/4 Sec 18 T 19 R 59
Indicate point of appropriation and place of use, if possible.

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.

STATE OF MONTANA, }
County of Richland, } No. 286011

Filed this 26 day of
December, 1963
at 3:53 o'clock P.M.

G. L. Cooper
County Recorder
Helma Dueske
Deputy

for \$⁰⁰
filed

File No.

T. 19^N R. 59^E

DUPLICATE

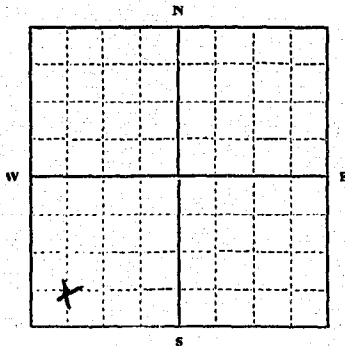
County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

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

1. Ray Smart of Skaar Rte Sidney
(Name of Appropriator) (Address) (Town)
County of Richland State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 28 T. 19 R. 59

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. use started about 1907, used continuously since

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. 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. cylinder pump,

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Not known

8. The depth of water table. 30 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. drilled out dug by hand, 4 inch casing, 30 ft. deep

10. The estimated amount of groundwater withdrawn each year. 200,000 gallons

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

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

Signature of Owner.....

Date Dec. 31, 1963

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

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

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

29757

STATE OF MONTANA, }
County of Richland, } ss. 286463

Filed this 21 day of

Dec. A. D. 1969

at 11:03 o'clock, P.M.

C. L. Kooker

County Recorder

R. O. Johnson

~~Deputy~~

*See: 2 cc
filed*

T. 19 N R 59 E 34

County Richland

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 2 1961

WATER WELL LOG

STATE ENGINEER

		X	

Owner James Carson Address Sidney, Montana

Driller Francis Boyce Address Trotters, N. Dak.

Date Started Aug. 28, 1961 Date Completed Sept. 27, 1961

Location: Sec. 34 T. 19 R. 59 1/4 sec. N. West 1/4

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

Water use: Domestic Municipal Stock Irrigation

Industrial Drainage Other:

Casing: 0 ft. to 289 ft. Type well casing Size 4 Inch 17 lbs. Per ft.

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. None to ft. Ft. to ft.

Type of screen or perforations None

Static Water level, for non-flowing well: 55 feet

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

Pumping water level: 118 feet at 8 gal. per min.

How tested: Bailor

Length of test: 4 hours

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

Gravel packed back to 282 ft

(over)

T. 19 N R. 60 E H
 County: Richland
 RECEIVED
 JAN 2 1962

MONTANA BUREAU OF MINES AND GEOLOGY
 Butte, Montana

STATE ENGINEER

WATER WELL LOG

		X

Owner: **Joe Bersel** Address: **Ridney, Mont.**
 Driller: **Francis Boyce** Address: **Trotters N. Dak.**
 Date Started: **Nov. 3, 1961** Date Completed: **Nov. 5, 1961**
 Location: Sec. **4** T. **19** R. **60** ¼ sec. **SE ¼**

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

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

Casing: **0** ft. to **140** ft. Type: **Line pipe** Size: **4 in. 11 lbs per ft.**
 Casing: _____ ft. to _____ ft. Type: _____ Size: _____
 Casing: _____ ft. to _____ ft. Type: _____ Size: _____

Perforated or Screened: Ft. **NONE** to ft. _____ Ft. _____ to ft. _____

Type of screen or perforations: _____

Static Water level, for non-flowing well: **104 ft.** feet.

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

Pumping water level: **128 ft.** feet at **8** gal. per min.

How tested: **Bailer**

Length of test: **1 ½ hr.**

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

Gravel packed back to 137 ft.

T. 19 ^N R. 60 ^E 17

County Highland

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 2 1961

WATER WELL LOG

STATE ENGINEER

Owner Sigvald Skaar Address Sidney, Montana

Driller Francis Boyce Address Trotters, N. Dak

Date Started June 4, 1961 Date Completed June 6, 1961

Location: Sec. 17 T. 19 R. 60 South West 1/4 sec.

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

Water use: Domestic Municipal Stock Irrigation

Industrial Drainage Other: _____

Casing: 0 ft. to 71 ft. Type well casing Size 4 inch 11 lbs. p.f.

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

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

Perforated or Screened: Ft. 53 to ft. 71 Ft. _____ to ft. _____

Type of screen or perforations 1/4 x 6 inch slots

Static Water level, for non-flowing well: 50 ft. down feet.

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

Pumping water level 55 feet at 8 gal. per min.

How tested: bailer

Length of test 2 1/2 hours

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

(over)

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 Joe Berzel

Address Sidney, Mont.

Date well started 6-9-1971

completed 6-11-1971

Type of well drilled

(Dug, driven, bored or drilled)

Equipment used rotary

(Churn drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation

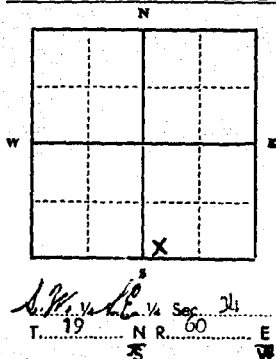
Industrial Drainage Other * Garden/Lawn

*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 160,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5"		0	185			
	4" I.D. 10# per ft.	0	165			



Static water level 100 ft.*
Pumping water level 130 ft.*
at 12 gallons per minute,
measured minutes after pumping
began.

*Measured from ground level.
Well developed by bailer
for 1 hours.

Power o.l.c. Pump 1/2 HP

Remarks: (Gravel packing, cementing, packers, type of shutoff)
gravel packed 155' to 185'

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

Driller's Signature Francis Boyce

Driller's Address Sidney, Mont.

Box 749 LICENSE NO. 92

County Beaumont 34

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) <u>2300</u>
From (Feet)	To (Feet)	
0	70	top soil and brown sandy clay
70	75	coal
75	112	gray clay
112	115	coal
115	141	gray shale
141	145	coal
145	161	hard gray shale
161	185	gray sandstone

185 Show exact depth of bottom

48637

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

319408

Filed this 21 day of

June A. D. 19 71

at 1:45 o'clock, P. M.

Helene Burke
County Recorder

Jarvis Fleck
Deputy

Fee * 2.00
Filed

FILED IN BOOK 13
PAGE 10
JUN 21 1971
RICHLAND COUNTY CLERK
MONTANA