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File No.....

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County Cassace

DUPLICATE

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

(a) a control

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

1. F/a/A BRAAA, of St. Bax 19

(Name of Appropriator) (Address)

County of State of Mentana of St. Box 19/A HAMILTON have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows: 2. The beneficial use on which the claim is based. Water 3. Date or approximate date of earliest beneficial use; and how continuous the use has been march 1952 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Laure lead Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres. 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrayal fermion The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater march 1952 8. The depth of water table 6 Let So far as it may be available, the type, size and depth of each well or the general specifications of any other 10. The estimated amount of groundwater withdrawn each year 28000 gallow 11. The log of formations encountered in the drilling of each well if available Monthly same 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including - ul condu

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

Signature of Owner The lands

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.

4713

STATE OF MONTANA, and County of Cascade.

Thereby certify that the within increment was filed in this office on

JAN 16 1964 Date o'clock AM

J. L. LENNON
County Clerk and Recorder.

Deputy.

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Approved Stock Form-State Publishing Co., Helena, Montana-42234 T 20 R 3 Mast File No.... County Cascade PUPLICATE STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER Declaration of Vested Groundwater Rights (Under Chapter 237, Montana Session Laws, 1961\$ TATE ENGIN Joe L. Roberts of 1400 - 7th Street So. Great Falls (Name of Appropriator) (Address) County of Cascade State of Montiana have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows: 2. The beneficial use on which the claim is based... household..... irrigation for 1.2 acres of garden and lawn, and use of 25,000 gallon swimming pool. 3. Date or approximate date of earliest beneficial use; and how continuous the use has been continuous since June 1958. 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 40 gallons per minute. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof One and two tenths acres, owned by Jos L. Roberts & wife, situated as described herein. NW 4 Sec. 13 T. 20 R. 3 E Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres. 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal by electric..... pump situated in west side of land described herein. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced in October 1957 and finished in June 1958.
Only one well. 8. The depth of water table. Twenty Seven feet. 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well is approximately four by four feet by Shirty one feet in depth; cement cribbing from surface down seven feet to sandstone; natural rock #### formation on down to bottom. 10. The estimated amount of groundwater withdrawn each year One million (1,000,000) gallons. The log of formations encountered in the drilling of each well if available Seven feet of sand and gravel, twenty-four feet of sandstone.

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. The description of the plot of land on which this claim is made is recorded in Vol. 219 of Deeds, page 179 and Vol. 328 of Deeds, Page 511.

Signature of Owner.

Date December 26, 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.

317!

STATE OF MON'TANA. ss. County of Cascole.

Thereby certify that the votton in strument was filed in this office on

DEC 26 1969

Dete O'clock M

J. L. Limbert County Clerk and Received

Descripty.

File No.

T. 20 N R. 3 5

DUPLICATE

County... Cascade.

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

roising of Addicating	end wife of 2300-13th Street South Great Falls, Montans (Address) (Town)
County of Cascade	State of Montena
have appropriated groundwater aclows:	ecording to the Montana laws in effect prior to January 1, 1962, as fol-
N	2. The beneficial use on which the claim is based
	Household use and lawn and garden irrigetion
	3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 29, 1960
E	
	4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 gallon per minute
	per minute)
s s	5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner
ot 3 Block 16 Park Place Addi E.1/SE Sec13 T.20N R 3E	ition. thereof Lots 1 through 6 Park place addition, Block 1 Great Falls, Montans Arnold Scennichsen and Lucille Scennichsen, busbend and wife.
licate point of appropriation	
d place of use, if possible. ch small square represents 10	6. The means of withdrawing such water from the ground and the
ce small square represents 10	location of each well or other means of withdrawal
The date of commencement and co	ompletion of the construction of the well, wells, or other works for with-
drawal of groundwater Commen	ompletion of the construction of the well, wells, or other works for with- neement June 24. Completion June 29.
drawal of groundwater Commen	completion of the construction of the well, wells, or other works for with-
The depth of water table . So far as it may be available, the tother works for the withdrawal of	completion of the construction of the well, wells, or other works for with- incement June 24. Completion June 29. /sf178 to 318 Ft. type, size and depth of each well or the general specifications of any f groundwater. Drilled with rotary rig.
The depth of water table . So far as it may be available, the tother works for the withdrawal of	completion of the construction of the well, wells, or other works for with- neement June 24. Completion June 29.
The depth of water table . So far as it may be available, the tother works for the withdrawal of Size 6* Depth 318 Ft. 40	completion of the construction of the well, wells, or other works for with- incement June 24. Completion June 29. /sf178 to 318 Ft. type, size and depth of each well or the general specifications of any f groundwater. Drilled with rotary rig.
The depth of water table	completion of the construction of the well, wells, or other works for with- incement June 24. Completion June 29. /s/178 to 318 Ft. type, size and depth of each well or the general specifications of any f groundwater. Drilled with rotary rig. The casing comented from 0 to 40 Ft.
The depth of water table	completion of the construction of the well, wells, or other works for with- incement June 24. Completion June 29. /sf178 to 318 Ft. type, size and depth of each well or the general specifications of any f groundwater. Drilled with rotary rig.
The depth of water table	ompletion of the construction of the well, wells, or other works for with- ncement June 24. Completion June 29. /#178 to 318 Ft. type, size and depth of each well or the general specifications of any f groundwater Drilled with rotary rig. Ft. 6* casing comented from 0 to 40 Ft. water withdrawn each year 750,000 gallons. in the drilling of each well if available 0 to 7 Ft. Clay, 7 to 18 5% to 97 Shalerock, 97 to 114 Sandstone, 114 to 178 Shalerock Sandstone (3 Gal. Por Min.) 192 to 226 Shalerock, 226 to 247
The depth of water table	ompletion of the construction of the well, wells, or other works for withnessent June 24. Completion June 29. ///178 to 318 Ft. type, size and depth of each well or the general specifications of any f groundwater. Drilled with rotary rig. Ft. 6* casing comented from 0 to 40 Ft. water withdrawn each year 750,000 gallons. in the drilling of each well if available 0 to 7 Ft. Clay, 7 to 18 for to 97 Shelerock, 97 to 114 Sandstone, 114 to 178 Shelerock, 226 to 247 to 293 Shelerock, 293 to 318 Sandstone & Shelrock ledges
The depth of water table	ompletion of the construction of the well, wells, or other works for withnessent June 24. Completion June 29. ///178 to 318 Ft. type, size and depth of each well or the general specifications of any figroundwater. Drilled with rotary rig. Ft. 6* casing cemented from 0 to 40 Ft. water withdrawn each year 750,000 gallons. in the drilling of each well if available 0 to 7 Ft. Clay, 7 to 18 for to 97 Shelerock, 97 to 114 Sandstone, 114 to 178 Shalerock Sandstone (3 Gal. Por Min.) 192 to 226 Shelerock, 226 to 247 to 293 Shelerock, 293 to 318 Sandstone & Shelrock ledges 1.
The depth of water table	ompletion of the construction of the well, wells, or other works for withnessent June 24. Completion June 29. ///178 to 318 Ft. type, size and depth of each well or the general specifications of any f groundwater. Drilled with rotary rig. Ft. 6* casing comented from 0 to 40 Ft. water withdrawn each year 750,000 gallons. in the drilling of each well if available 0 to 7 Ft. Clay, 7 to 18 for to 97 Shelerock, 97 to 114 Sandstone, 114 to 178 Shelerock, 226 to 247 to 293 Shelerock, 293 to 318 Sandstone & Shelrock ledges
The depth of water table	ompletion of the construction of the well, wells, or other works for withdrawnt June 24. Completion June 29. (6f178 to 318 Ft. type, size and depth of each well or the general specifications of any figure groundwater. Drilled with rotary rig. Ft. 6* casing cemented from 0 to 40 Ft. water withdrawn each year 750,000 gallons. in the drilling of each well if available 0 to 7 Ft. Clay, 7 to 18 Sandatone (3 Gal. Por Min.) 192 to 226 Shelerock, 226 to 247 247 to 293 Shelerock, 293 to 318 Sandatone & Shelrock ledges or nature as may be useful in carrying out the policy of this act, including county record. Drilled by Scennichsen Drilling Co. Issued under new law. of 1961.
The depth of water table	ompletion of the construction of the well, wells, or other works for withnessent June 24. Completion June 29. ///178 to 318 Ft. type, size and depth of each well or the general specifications of any figroundwater. Drilled with rotary rig. Ft. 6* casing cemented from 0 to 40 Ft. water withdrawn each year 750,000 gallons. in the drilling of each well if available 0 to 7 Ft. Clay, 7 to 18 for to 97 Shelerock, 97 to 114 Sandstone, 114 to 178 Shalerock Sandstone (3 Gal. Por Min.) 192 to 226 Shelerock, 226 to 247 to 293 Shelerock, 293 to 318 Sandstone & Shelrock ledges 1.

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.

11.15

STATE OF MONTANA, as. County of Cascade.

I hereby certify that the within instrument was filed in this office on IAN 1.6 1962

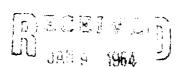
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I. I. LETHION
County Clerk and Recorder

- Deputy.

County Cascade

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER



T 20 R3 Lest

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

	of 1500- 7th St. So., Great Falls,
(Name of Appropriator	
County of Cascade	State of Montaria
have appropriated groundwater accord	ding to the Montana laws in effect prior to January 1, 1962, as follows:
N .	2. The beneficial use on which the claim is based household, and irrigation
	3. Date or approximate date of earliest beneficial use; and how continuous the use has been January 1950 and continuous ever since.
V	
	4. The amount of groundwater claimed (in miner's inches or gallons per minute)40 gallons per minute
KX .	
8 & G. 13 m CO n & Fact	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 1.15 cores of residence property owned by Jack L. Stroop & wife
1 1/4 Secl3 T.EO R3 East	odom sa mar vog w mar v
Indicate point of appropriation and place of use, if possible. Each	
small square represents 10 acres.	6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal water is with-drawn hyelentric pump from two wells located on the property as described.
	impletion of the construction of the well, wells, or other works for with-
secondwellwascomplete	ell was completed prior to January 1950 and the d in July 1954.
secondwell.wascomplete	
8. The depth of water table	two fact type, size and depth of each well or the general specifications of any other vater First well is drilled well with 4 inch casing four feet by four feet 47 feet in depth, with
8. The depth of water table	two fact. type, size and depth of each well or the general specifications of any other rater First well is drillad well with 4 inch casing
8. The depth of water table Forty 9. So far as it may be available, the works for the withdrawal of groundwascondwall is dug wall four feet by six feet by	two fact type, size and depth of each well or the general specifications of any other vater. First well is drilled well with 4 inch casing four feet by four feet 47 feet in depth, with seven foot cement casing at the top.
8. The depth of water table. Forty. 9. So far as it may be available, the works for the withdrawal of groundwascond. wall is dug wall four feet by six feet by	two fact type, size and depth of each well or the general specifications of any other vater. First well is drilled well with 4 inch casing four feet by four feet 47 feet in depth, with seven foot cement casing at the top. er withdrawn each year 750,000 gallons.
8. The depth of water table. Forty. 9. So far as it may be available, the works for the withdrawal of groundwascond. Wall is dug wall four feet by six feet by 10. The estimated amount of groundwat 11. The log of formations encountered in	two fact type, size and depth of each well or the general specifications of any other vater First well is drilled well with 4 inch casing four feet by four feet 47 feet in depth, with seven foot cement casing at the top.
8. The depth of water table Forty 9. So far as it may be available, the works for the withdrawal of groundwascond	two fect type, size and depth of each well or the general specifications of any other vater First well is drillad well with 4 inch casing four feet by four feet 47 feet in depth, with seven foot cement casing at the top. er withdrawn each year 750,000 gallons. the drilling of each well if available. Seven feet of sand.
8. The depth of water table. Forty. 9. So far as it may be available, the works for the withdrawal of groundwassond. Wall is dug wall four feet by six feet by 10. The estimated amount of groundwat 11. The log of formations encountered in and gravel and forty fee	two fect type, size and depth of each well or the general specifications of any other vater First well is drilled well with 4 inch casing four feet by four feet 47 feet in depth, with seven foot cement casing at the top. er withdrawn each year 750,000 gallons. the drilling of each well if available seven feet of sand tof sand stone. nature as may be useful in carrying out the policy of this set, including ounty record The description of the land on which more clearly described in Book 213 of Deeds.
8. The depth of water table. Forty. 9. So far as it may be available, the works for the withdrawal of groundwascond. Wall is dug wall four fact by six fact by 10. The estimated amount of groundwat 11. The log of formations encountered in and gravel and forty fee	two feet type, size and depth of each well or the general specifications of any other rate: First well is drilled well with 4 inch casing four feet by four feet 47 feet in depth, with seven foot cement casing at the top. er withdrawn each year 750,000 gallons. In the drilling of each well if available. Seven feet of sand at of sand atone. In the drilling of each well in carrying out the policy of this act, including ounty record The description of the land on which more clearly described in Book 213 of Deeds. Deeds, Page 576
8. The depth of water table. Forty. 9. So far as it may be available, the works for the withdrawal of groundwascond. Wall is dug wall four fact by six fact by 10. The estimated amount of groundwat 11. The log of formations encountered in and gravel and forty fee	two fact type, size and depth of each well or the general specifications of any other vater First well is drilled well with 4 inch casing four fact by four fact 47 fact in depth, with acven foot coment casing at the top. er withdrawn each year 750,000 gallons. the drilling of each well if available Seven feet of sand to of sand atone. nature as may be useful in carrying out the policy of this act, including ounty record The description of the land on which is more classly described in Book 213 of Deeds.

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.

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

Driller's Signature.

STATE OF MONTANA, }ss. County of Cascade.

I hereby certify that the within in strument was filed in this office on JUL 1 1967

J. L. LENNON

County Clerk and Recorder

By County Clerk and Recorder

STATE OF MONTANA, Ses. County of Cascade.

I hereby certify that the wal in in attrument was fixed in this office on

APR & 1970

2:40 o'clock & M

J. L. LENNON
County Cherk and Recorder

Deputy.

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File No	T
DUPLICATE	County

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

	(Under Chapter 237,	Montana Session Laws, 1961)	
(Name of	Appropriator)	(Address)	wer, Great Falls, Mont. (Town)
County of SO.Ad have appropriated grou	endwater according to the	State of Montana Montana laws in effect prior t	o January 1, 1962, as follows:
N			is based. The irrigation.
•	ous	the use has been July 18, has been pumped for	beneficial use; and how continu- 1957, earliest date. irrigation from May 1
	4. The per	amount of groundwater claime minute)125 gallons pe	d (in miner's inches or gallons or minute
s	to v	which water has been applied a	age and description of the lands and name of the owner thereof 15. inBlock.landpart
Indicate point of appropriate place of use, if possible small square represents 10	priation Montage Each Secres. 6. The tion	means of withdrawing such wat of each well or other means of w	er from the ground and the loca- withdrawal water withdrawa by
drawal of groundwate	erConstruction of	the construction of the well, only well began in J	wells, or other works for with- une 1957 and completed
8. The depth of water ta	ble water level is	about eight feet fro	m surface of ground.
works for the withdraw	wal of groundwater Wel		eneral specifications of any other norate oulvert pipe
10. The estimated amount	of groundwater withdraw	vn each year. Nine. hundred	thousand gallons.
oam. From 6 to 8	3 feet is sandy l	oam and wet. From 8 1	om zero to two feet is 6 feet is brown clay to 24 feet is grey
Freat Falls refuse shortage of water	on of a similar nature as page of any county recorded in 1956 to pro	vide water with which plant. Volume 202 of	the policy of this act, including or reason that City of a to irrigate because of Deeds page 250 on
lay 23, 1949.		Signature of Owner	shwood Corporation V.P.
		DIRITERATE OF CARGE	······································

Date December 26, 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.

STATE OF MONTANA.)ss.

County of Cateada. | ss.

I hereby certify that the within instrument was filed in this office on

DEC 27 1963

at 10:01 o'clock 1 M.

J. L. LEVIVON
County Clerk and Recognier.

B. Series

Depute.

G	w
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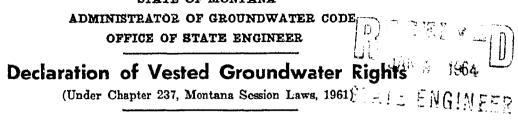
File No.	

Approved	Stock	Form - State	Publishing	Ca.,	Helena	. M	ontana – 42234	3/C
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DUPLICATE

County....

STATE OF MONTANA



(Name of Appropriator)		(Address)	(Town)
County of		State of	4 4000 # 11
have appropriated groundwater accord	ing to the l	Montana laws in effect prior to Ja	muary 1, 1962, as follows:
N			
	2. The be	eneficial use on which the claim is b	pased besse

	n		***
		or approximate date of earliest ben	
	ous th	e use has been	

	4. The a	mount of groundwater claimed, (in miner's inches or gallo
	per mi	inute) / 6 gal	Per min
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	E Tf use	d for irrigation, give the acreage	and density of the law
1921 - 16 carte Silve when	o. 11 use to wh	ich water has been applied and	name of the owner there
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dicate point of appropriation	*******	••••••••••	
d place of use, if possible. Each			
nall square represents 10 acres.		neans of withdrawing such water f	
	tion of	f each well or other means of withd Lightp Embergaisable light	rawai
		hin agas as ala digitat a a digitat agas batat da araba ada Anti bata da Antiba bata a Antiba bata a Antiba bat	
drawal of groundwater.	• • • • • • • • • • • • • • • • • • • •		
was deput of water basic			
). So far as it may be available, the t	ype, size and	d depth of each well or the gener	al specifications of any oth
works for the withdrawal of groundw	iter		
	is		
	• • • • • • • • • • • • • • • • • • • •		
. The estimated amount of groundwate	r withdrawn	cach year	
Mha lang Caumatin	48 S2112	-A111 2A11-11	* *
I. The log of formations encountered in	the drilling	or each well if available Z _i t,	
and the second s		rad s. d. de St	
2. Such other information of a similar			
reference to book and page of any co	=		

		a	
		Signature of Owner	
		Signature of Owner Date	

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

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

4568

RECORDED

THME

J. L. LENNON

CLERK AND SCORDER

CASCADE COLORIDE MONTANA

BY

DEFUTY

•

c	Helena Independent Record		e t
File	• No		T 20 R 35
DU	PLICATE		County Os sonds
		STATE OF MONTANA STRATOR OF GROUNDWATER COI OFFICE OF STATE ENGINEER	DE
		on of Vested Groundwater Rig Chapter 237, Montana Session Laws, 19	
1	Victor C. Fisch r (Name of Appropriator County of Cascado have appropriated groundwater aclows:	of 1.0. Low 135 (Address) State of Lontonsecording to the Montana laws in effect	(Town) t prior to January 1, 1962, as fol-
K V	CORNER OF NEA CF NAA	 The beneficial use on which the and yard irrigation is conjunction with 2nd is Date or approximate date of ear tinuous the use has been April intermittently continued. 	for 30 Family units, is invell. Vell. liest brackical use: and how con-
	s 1/4 Sec. 15 T 20NR 3E	per minute) 20 gallons; 5. If used for irrigation, give the lands to which water has been	med (in miner's inches or gallons per minute acreage and description of the applied and name of the owner only about a total
ar E	ndicate point of appropriation and place of use, if possible. ach small square represents 10 eres.	6. The means of withdrawing such location of each well or other n 220 volt 3 phase Jaco	n water from the ground and the neans of withdrawal
7.	The date of commencement and condrawal of groundwater Drillion April	ompletion of the construction of the we no begun April 3 1961 and 6 1961	ll, wells, or other works for with- was completed
8.		depth 67 feet, water in w	
9.	other works for the withdrawal of to 40 feet 5 inch cos 67 feet.	type, size and depth of each well or t groundwater deep well type, of from 40 to 67 feet. th	o inch cased from O feet o depth of the well is
			000 - 71
		vater withdrawn each year1,.500,	
11.	The log of formations encountered 6-18 quick sand 11-47 0 54-56 sand rock 56-01 g	in the drilling of each well if available fumbo 47-51 sand rock (10 rey shale 61-67 sand rock	outo 6 sandy logh com) 51-54 dark shale "weter".

Signature of Owner netton C. Lischer,
December 17, 1961

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

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

 $P^{\tau} \text{case answer all questions. If not applicable, so state, otherwise the form will be returned.}$

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.

#3216 11:31 a W

4

File No....

	1.5	
T20	R 5 E	
County	Cascade	

DUPLICATE

Top of Ground		FRATOR (ITANA INDWATER ENGINEER	CODE	
 (Elev. above sea level. 5460)	_	_		d Grounds		
Type (dr. 5463 dr. 6463 dr. Water this. 946 day of 11111111111111111111111111111111111	(Under Charles FISCHER) ler Victor C. ler Victor	pter 237, if its S., Fi scher opriation of S. 196 or Mun Draw	Address Addres	Session Law ess 1.0. ess 927 1 water Completed nt Used Cir. n, drill, roter Other [vs, 1961) box 155 oth eve Feb. 10 urn drill ary or Irrightess of the	. SW G.F
 etc. S	a met with in dril Show depth at whi er-bearing strata ar	ch water is	s encounte	ered, thickne	ess and cha	racter of
 Size of prilled Hole 5 inc	14 lb to f	#rom (Feet) 448	70 °	Kind Size Slots X 10" Casins end to rock.	62 driven	76 (Feet) 54 64 0 pen
(NW CORNER OF NEX OF NWX This well Sec. 15 T20N R 3E	Static Water Level Shut-in Pressure if Pumping Water L Discharge in gal, i How Testedpu Remarks: (Gravel tion of other si acres ir i rrigat	or Flowing evel	flowing Lenguerenting of groutinent info	eet at 1.0	gal. per S hours ype of shut not at well, ncluding nu yerd	off, loca- and any
 Indicate location of well and place of use, if possible. Each small square represents 10 acres. 70 feet. Show exact depth of bottom.	2-5 acr					
			Drille ک می	r's License	Number	

Driller's Signature

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

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

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

52,553

County of Cascade. | ss.

Thereby certify that the we fan instrument was filed as this office on MAR 9 1973

11:56 o'clock 17 M

J. L. LETTION

Deputy.

 12
3

File No...

DUPLICATE

T 20 K 3E

County Cascade

STATA OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

-	the state of the s
Elev. above sea level 3460)	Notice of Completion of Groundwater
-2 ft. loan	Appropriation by Means of Well

2-18 ft. sandy silt

Top of Ground

(Under Chapter 237, Montana Session Laws, 1961) 18-48 ft. mlt

48-54 ft. sand rock(6gpm) victor C. Pischer Address P.O. Box 1357 C.P. 54-62 ft. gray shale

64 ft. sand rock seep riller E.D. Rafferty Address 927 10th ave SR C.P. 64-66 ft. gray shale

68-70 ft. gray shale

66-58 ft. rand rock wat property of Appropriation of Groundwater..... Date well started Peb. 8 1962 Date Completed Peb. 10 1962

> Type of well... Drilled (dug, driven, bored or drilled)

> > Industrial 🗍

Water Use: Domestic 🕎

(Churn, drill, rotary or other) Municipal [

Other 🖂 Irrigation [Stock [

Equipment Used Chum drill

"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 waterbearing strata and height to which water rises in the well.

Drainage 🔲

Size of Drilled	Size and Weight of	From (Feet)	To (Feet)	P	ERFORATIONS	
Hole	Cadng	į		Kind Size	From (Feet)	To (Feet)
5 inch	5 inch	± 44*	70'	Mots	48 62	54 64
5/8"	6 5/8 0 D	* O'	49*	Casing end to rock.	driven top of	sand

	بل		lg	W	e11		1 1 1
	¥	<u> </u>	Zhi	B	rel	1	!
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		1			1		i t
		 -		4.00 - 4.			:
10	<u>-</u>	<u> </u>					
	ļ				·	<u> </u>	; !
	;	1	:		:	1	1

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

70 feet Show exact depth of bottom.

	· 		
tatic Water Level for n	on-flowing Well	3.4	feet.

Shut-in Pressure for Flowing Well....

Discharge in gal, per min, of flowing well.... How Tested. Pump. Length of Test. 8 hours

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

acres irrigated, if used for irrigation).....

Yard irrigation only about a total of 2 to 3 Aercs.

Driller's License Number E. D. Miestert

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 B Mines and Geology and Quadruplicate for the Appropriator.

#3215

STATE OF MONTANA, as.
County of Cascade.
I hereby certify that the within known and the continuous filed in this office on

at 1:50 o'clock M

J. L. LENNON

County Clerk and Lecorder.

By

Deputy.

File No....

DUPLICATE

T	R.	 	
Ca			

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

	(Name of Appropriator)		(Address)	(Town)
	County of	cordir	State of Montana	uary 1, 1962, as fol-
	lows: NW corner of NEI/4NWI/4 of Sec 15.T26N,R3E,			,
	Dec 10, 12dd y XOD,	2.	The beneficial use on which the claim is bas	
	Well	3.	Date or approximate date of earliest beneficiation	
			About August 1, 1900, - continuou	
-		4.	The amount of groundwater claimed (in mine	
			per minute)35 gallons per minute	
	8	5.	If used for irrigation, give the acreage and lands to which water has been applied and	name of the owner
Æ	_4NF/Vdec.15 T20NR3Enst		thereof 35,000 sq. ft. greenhouse 1 acre irrigation - Herman's Flo	plus wers, inc.
nd	licate point of appropriation by place of use, if possible.	6	The means of withdrawing such water from	
la (ch small square represents 10 es.		location of each well or other means of with	drawal
	drawal of groundwater About	July	tion of the construction of the well, wells, or of 1, 1900, to About August 1, 1900.	***************************************
	The depth of water table 150. So far as it may be available, the tother works for the withdrawal of Drilled well - 8 inch casing	feet. ype, s groun	size and depth of each well or the general sondwater	pecifications of any
	The depth of water table 150 : So far as it may be available, the tother works for the withdrawal of	feet. ype, s groun	size and depth of each well or the general s	pecifications of any
•	The depth of water table 150. So far as it may be available, the tother works for the withdrawal of Drilled well - 8 inch casing let pumps 5 H.P. Motor	feet. ype, s groun	size and depth of each well or the general sindwater	pecifications of any
	The depth of water table 150. So far as it may be available, the tother works for the withdrawal of Drilled well - 8 inch casing let pumps 5 H.P. Motor The estimated amount of groundw The log of formations encountered	feet. ype, s ground y = 1:	size and depth of each well or the general sondwater 50 feet deep. withdrawn each year 1-1/2 to 2 million gate of each well if available	pecifications of any
•	The depth of water table 150. So far as it may be available, the tother works for the withdrawal of Drilled well - 8 inch casing let pumps 5 H.P. Motor The estimated amount of groundw The log of formations encountered	feet. ype, s ground ater in the	size and depth of each well or the general sondwater 50 feet deep. withdrawn each year 1-1/2 to 2 million gate drilling of each well if available.	pecifications of any
•	The depth of water table 150. So far as it may be available, the tother works for the withdrawal of Drilled well - 8 inch casing Jet pumps 5 H.P. Motor The estimated amount of groundw The log of formations encountered Such other information of a similar	ground gr	size and depth of each well or the general sondwater 50 feet deep. withdrawn each year 1-1/2 to 2 million gate drilling of each well if available available.	pecifications of any
•	The depth of water table 150. So far as it may be available, the tother works for the withdrawal of Drilled well - 8 inch casing let pumps 5 H.P. Motor The estimated amount of groundw The log of formations encountered Such other information of a similar reference to book and page of any	ype, s ground attended to the mot.	size and depth of each well or the general sondwater 50 feet deep. withdrawn each year 1-1/2 to 2 million gase drilling of each well if available available. ure as may be useful in carrying out the policy ty record none.	pecifications of any
	The depth of water table 150. So far as it may be available, the tother works for the withdrawal of Drilled well - 8 inch casing Jet pumps 5 H.P. Motor The estimated amount of groundw The log of formations encountered Such other information of a similar eference to book and page of any TE: Well is located in NEL/	feet. ype, s ground ater in the not r nati	size and depth of each well or the general sondwater 50 feet deep. withdrawn each year 1-1/2 to 2 million gase drilling of each well if available available. ure as may be useful in carrying out the policy ty record none. HERMAN'S FLOW	pecifications of any als per year of this act, including
TC BC	The depth of water table 150. So far as it may be available, the tother works for the withdrawal of Drilled well - 8 inch casing Jet pumps 5 H.P. Motor The estimated amount of groundw The log of formations encountered Such other information of a similar reference to book and page of any	ground feet. ype, seground feet. ype, seground feet. ater in the not. r naticound feet. 4SEL feet.	size and depth of each well or the general sondwater 50 feet deep. withdrawn each year 1-1/2 to 2 million gase drilling of each well if available available. ure as may be useful in carrying out the policy ty record none. /4NW1/4 of HERMAN'S FLOW County Signature of Owne 1:	pecifications of any als per year of this act, including

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. See.

County of Cascade.

I have y critify that the within in
ticalizat way filled in this office on

1962 7/3/23 J. L. LENNON
County Clerk and Recorder. Deputy.

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,	thick-
ness 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 Mo	ntana Session	Laws, 1961	, as amen	dod)	Top of	Ground	Tiev, above sea level)	
by the ow	to be prepared ner with the Co well is located,	ounty Clerk ar	d Recorder	in the cou	inty in	From (Feet)	To (Feet)		
Please ansv	wer all questions	·	Ω.	<u>2</u> ်	Grown Loos				
•	be returned.	· · · · · · · · · · · · · · · · · · ·				29	_34_	Broken red rock	يس منيو ر
itichard A Owner	. and/or B	arbera J		inistrator's	Use	34	_43	Orny chalo	
Address File 5429							_52	Proman sandrock	
.Grant	Falle, lon	taru	Oct. 3/,	1992 11	05am	52	_55	Harri gray shalo	
Date well	started 10=1	A-1972	GW 1	•••• -••••		55	ـنکــ	rock MATER @ 60	
com	pleted10-2	0-1972				66	72	Red shale	
Type of we	ellDrill		ug, driven, bored			72.	<u> </u>		
Equipment	used Ghurm	drill	-					وسية المدينة ا	
Water Use	: Domestic 🐒	Municipal [] Stock [] Irrigat	ion 🗆			والمرافقة فينا برسا استرافاني والمانيون ويتما تبيها ويتما فيها فيها المان ويتما المرافقة ويتما المرافقة ويتما	
Ind	ustrial 📋 🛚 Dra	ìnage 🔲 O	her 🔲*	Garden/La	wn 🛮			المحمد المحمد المراجعة فسينا بالمنا حسان جماعاً فينها ليضيا لمسلم بأسياء فيسية بمياها فينها وسنة ح	
*Describe			**************	************				فتناة خسنة حدير ديحة دلدية البلاة كيلية ليتباغ ليتبار ليتباء السنة فيسا بيبيح ليمية للملا يبينا	W
USE: If us	ed for irrigation number of acres	n, industrial,	drainage of	other. E	xplain,		منین مست سین د		
	Addition),								
								مجه فالمنا الثبية للبطأ مسية فليان فسية فيهما ويهما وينت منينة فيليا فين ويهما ف	
	ANNUAL WITH						سني بانشا فعلين يبد	والمائية فالمنا فبحد فبحد فابدا فلملة فينية ليساب مسيد فبمد سيئيت سيده فيزي يثقبا	
Size of Drilled Hole	Size and Fr Weight (Pe	om To ret) (Feet)		PERFORATIO!			ه شدن نامعهٔ ملین د	سا البنية النبتة النبية السباء النبية النبية المعاد إلى والنفة المنية النبية والبيد النبية منية المسا	
7"	.	o 80	Kind Stre Torgh	From (Feed)	(Feet)				
,	75 17	0 30	TOPEN	29	60				
							لسن چان هنن و.	ه فشته النمية فشك الشكة الشكة النمية النمية النمية والنمية مشتلة والمبارة المتبارة ا	
			Ì				ک سند مسه منی	سنة فعينية فسية ولمينة ولمناه ويزيها التنفية نيسية ويسند فعيها ولسنة طعفيا فقتك ويزير الخد	
							مته هند و	والمراح والملة ونبهم وليقله علمتها طاسة والمنت مينجة طلبتة ليساة فلنماة ويناته علماه وتباك الأعلو وبالقة	
-	א	21	ie water lev		}ft,*			به هنین هنته عنده واندر زینیه الفتح خشته سینه ی پر ظلیم مالین تیبت مسیع چشه نسته فالد	
					fi.*			<u> </u>	
		at	10	gallons	per minute,				
				minutes af	ter pumping			هنيه مهنته هنتها فلنها فلنها فمنه ونيثة خضا مبيره تعبط فابيته خابثة ملمة بطنة	
w		1 66	jan. easured froi	n around l	evel.				
	,	We	il developed	by Link			دهه وینا دینیو		
					HP			ويهيه جندو مسومتك بنسة جنسة جنسو حيمت هبته ويشو جبنو جندو جبدو المتد البيك وليت	
				•	, cementing,				
<u> </u>		' pas	kers, type o						
	y Adaition Secl		,	•	,,			د گرزی کسی میشن بیشن بیشن بیشن بیشن بیشن بیشن بیشن ب	
	il N R3								
	5	w						مه جنده حیلت جیده های طبقه صدی دارد جنده خیده جنده حیلت در است. محمد میلاد میلاد میلاد این میلاد میلاد میلاد این	
EACH SMA	LOCATION OF	RESENTS 40	ACRES.	ise, if po	SSIBLE.				
Driller's Sic	gnature	at Be	dom.l						
	idress 2112-	,					ر میں متناد سے مسیونات، نمی	ومِ حلت على فِينَا الله مَنِهِ، فَإِنْ اللَّهُ فَلَنَا اللَّهُ فَلَنَا عَلَيْهُ فَلَنَا عَلَيْهُ عَلَيْهُ فَلَكُ	
	t Falls, //			NO 12	.5		80	Show exact depth of bottom	
	en nat estal p ool B	77.4 P. W. 1994 9969	LICENSE	لىنىلىسىنىك∀ا.				,	

STATE OF MONTANA, S. County of Cascade.

I hereby certify that the within in strument was filed in this office or

J. L. LENNON

county Clerk and Recorder.

Denuty

· we'

GW 2	Since an Experience of the Control o		Approved	Stock Form			a, Montana—48	-
File No.					Т	20 R	36	15
DUPLIC	CATE		•		Cou	nty	an andre	***************************************
	rod	**************************************	ADMINISTR		OF MONT		S CODE	
	Top of Ground					ATION BO		
-	(Eley above sea level)Not	ice of C	ompl	etion o	of Gro	undwai	er
******	Filed for record	<i>f</i>	\ppropri					
	this 19 cay of Octob A.D. 1971, at 10:30	<u></u>				UARY 1,		33\
	o'clock AM.	(Under	Chapter 237	. Montar	ia Session	1515	i, as amen	5 W.
	0-20' (lay)		r Kolak		4		•	
_	· ·	Drillerakon	naor B. Ar	anklis	ندAddre	ssKcrot	Talla, n	1ont.
-		Date of Notic	e of appropri	ation of	groundwat	er.Mou	25, 19	65
-		Date well sta	rted Non. A !	7,1965	Date	completed.	Dec. 10	1965
	20:42' Heavy Skale		Drillad					Da
		(D:	ug, driven, bor	ed or drill	ed)	(Chu	ırn drill, rota	ry or other)
		Water use:	Industri		Iunicipal (Drainage (ock 🔲 - Ir her 🔲	rigation 🔲
	-1 - 10 - AA A	Indicate met with in	on the diagra drilling, such	m the ch	aracter and	d thickness	of the difference of the	erent strata
_	42'- 50' Red Shale	depth at which	ch water is er eight to which	countere	d, thicknes	ss and char	acter of wa	ter-bearing
-		Size of	Size and	From	To		PERFORATION	74
-	50'-56' Sandatone	Drilled Hole	Weight of Casing	(Feet)	(Feet)	Kind	Prom	Te
		一万女"	6등00	Surgao	46	none	Mone.	(Feet)
			10 lba.			11010	7(0/0	/(4700
			per gt.					
	0.00							
-	56-80' Kray Skale]	man i na pringga diplomet martingana kai marting amangan pi i i inga mangan pringga diplomet martingga da martinga apam prindensi			The assemble of the first field decrease in the figure of
			<u> </u>	- 7	Static Was	ter Level		owing well
					Shut-in Pre	ssure for F		Marrie
				1				fect
_	20-93 Red Shale	_w		- E			gal. per mi	nute. owing well
							77	שונים
-						_	/)	•••••
		1	<u></u> s		•			
						_		nting, pack-
		Indicate loca	ation of well	and -		•		
_		smal! squar	, if possible. re represent					
	(University Addn)	neres.	cold at	. 1515	16+1 st :	s «====================================	n i e seile	a ddilean
_	, ,		Charle					
		USE—If use	ed for irriga er of acres ar	tion, ind	ustrial, dr	ninage or	other. Ex	plain, state
	Water Bearing	tion).				·		
-	93:108 dandatone	-it.	red for s	usmuu.	www	aronar Uka	ZILIKOKK.	<i>8.7.1.118</i> 91,
108	Show exact depth of bottom.							
						24		·····
This for County	m to be prepared by driller, and three cop Clerk and Recorder in the county in which	ies to be filed b the well is loca	y the owner wi ted, tissue copy	th the to be	Drille	r's License	Number	
retained	by driller.				20.	Same per Dis E	3. Tras	Ali:
Please :	answer all questions. If not applicable,	so state, otherw	ise the form v	vill be		r's Signati		A. A. A. A. C.

Oct 1 U 1971

J. L. INTERMENT County Clerk and Records

OCT O . 10-1 STATE OF MONTANA

LOG	26 ADMINISTRATOR OF GROUNDWATER CODE STATE WATER CONSERVATION BOARD	;
Top of Ground	Nation of Completion of Company	- vator
Filed for record	Appropriation by Means of We	
this 19 cay of Oataba A. D. 19 71, at 10:30 o'clock A.M.	(Under Chapter 237 Montana Session Laws, 1961, as an	nended)
0-20' Clays	Owner Bob Kolski Address Sheat Tall	
O	Driller Homas B. Than Lin Address Last Talis.	mont
	Date of Notice of appropriation of groundwater. Nov. 25,	
	Date well started Mar. 29, 1965 Date completed. Par.	
20-42 Heavy State	Type of well. Dailled Equipment used Cally (Churn drill,	rotary or other)
•	Water use: Domestic Municipal Stock Industrial Drainage Other	Irrigation [
42'- 50' Red Shale	Indicate on the diagram the character and thickness of the comet with in drilling, such as soil, clay, shale, gravel, rock or such that which water is encountered, thickness and character of strata and height to which the water rises in the well.	and, etc. Show
	Size of Size and From To PERFORA: Drilled Weight (Feet) (Feet)	
50-56 Sandstone	The of Carlos Surface 46 Rind Stree (From 1964)	() (Feet)
	10 blo. none non	ie Morie
	per et.	
56-80' Gray Shale		
,	Static Water Level for no	
/	Shut-in Pressure for Flowing	10 feet.
	Pumping Water Level	. <u>8</u> feet
80'-93' Red Shales	E at 10 gal. per min. c	
	How Tested Bailey	none
REMINIED /	Length of Test. 2 Lines.	·····
State Property of the State of	Remarks: (Gravel packing, co	- ·
In X	Indicate location of well and	
	place of use, if possible. Each small square represents 40	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
(University Addn)	- usell hocased at 1515 16"st see Universe	/
	USE—If used for irrigation, industrial, drainage or other. number of acres and location or other data (i.e.: Lot, B	Explain, state
93-108' Sandertone	also used for some inigation of true	
	-it.	******************************
Show exact depth of bottom.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	و و عشر	

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.

94-Driller's License Number

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

Driller's Signature

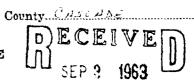
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3 ر	ŧ	•

File No.....

T 26 R 38

DUPLICATE

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER



Declaration of Vested Groundwater RIGHTE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

	!/		
1	EMIL E REBUSE		of Riverside CABINS GREAT FALLS (Address) (Town)
	County of Case 40 c	r)	(Address) (10wii) State of MICNTANA
	have appropriated groundwater ac	cording	to the Montana laws in effect prior to January 1, 1962, as follows:
	N		
		2.	The beneficial use on which the claim is based PRINATE.
			A Section of the Sect
-		3.	Date or approximate date of earliest beneficial use; and how continuous the use has been
w		E	continuous usage some that date
-		4.	. The amount of groundwater claimed (in miner's inches or gallons
-			per minute) 5 94/1 ptr Minute
		, 5.	. If used for irrigation, give the acreage and description of the lands
	NENE, SO of Riv. By (KK	F)	to which water has been applied and name of the owner thereof
	14 Sec. 15. T. 10 R.3.		
and Eac	icate point of appropriation place of use, if possible. h small square represents 10	6.	. The means of withdrawing such water from the ground and the
acre	28.		location of each well or other means of withdrawal 1000 Well Dump electrically operator 1000 CABINS
	drawal of groundwater	1.49.8.9	ion of the construction of the well, wells, or other works for with-
8.	The depth of water table	ردي نانا	<u>e.7</u>
9.	So far as it may be available, the works for the withdrawal of grow	e type, indwate	size and depth of each well or the general specifications of any other
	Well 15 35 40.	e t	ship other anter Martin Is was
		•••••••••••••	
10.	The estimated amount of ground	water v	withdrawn each year 2, 200,000 gullens
11.	The log of formations encountere	d in th	e drilling of each well if available
13.	reference to book and page of any	county	re as may be useful in carrying out the policy of this act, including

			Signature of Owner Emil E. Krause Date Aug 30, 1963
			Date Chilips July 1762

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.

2588 #

#3356

County of Cascade.

Thereby certify that the within in summent was filed in this effice on AUG 30 1963

AUG 30 1963

C'clock M.

J. L. LENNON
County Clark and Recorder.

Deputy.

File	No
T. H.C.	1 V O

File No

-14	. *. **	R	7	π.	 	1,7
1	2.50	 R			 	

County Guscale

DUPLICATE

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1	(Name of Appropriator)		of 1506-13th Ave. S. W., Great Falls (Address) (Town)
	have appropriated groundwater accolows:	rdii	State of Montana ng to the Montana laws in effect prior to January 1, 1962, as fol-
[N	2.	The beneficial use on which the claim is based Donastic use, Laws, Garden, Trees Irrigation
w	- 15 E	3.	Date or approximate date of earliest beneficial use; and how continuous the use has been .November, 1931. Continuous use, every day since November, 1931.
		4.	The amount of groundwater claimed (in miner's inches or gallons per minute) .24 gallons per minute
	Sec. 15. T20. R.3E.	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 2.534 acres. Sandy soil. Owners, Gerald L. and Nelon M. Shepherd
in an Ea ac	dicate point of appropriation and place of use, if possible. Such small square represents 10 tres.		The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric Jet Pump. The well (2) for the house, garden, etc. is on former Lot. 20, BIK 20 of Univ. Add. Old well (1) is on former Lot 7, Bik 20 of Univ. Add. Now turned back to personne.
7.	drawel of groundwater Month of	YOV	back to acreage. tion of the construction of the well, wells, or other works for with- mber, 1931. Former owner has moved out of the state- urchased October, 1939.
8.	The depth of water table40!		
9.	other works for the withdrawal of gr	roui	size and depth of each well or the general specifications of any ndwater Both wells are drilled wells. 6" caseing. down to water. Second well #2 supply for the house, water.
••	P11		1.330150 mllong
10.			withdrawn each year 1,330150 gallons
11.	The log of formations encountered in owner said well #2 and blue co was encountered and yellow oil	1.n	
12.	Such other information of a similar i	nati	re as may be useful in carrying out the policy of this act, including y record
			Signature of Owner Constd. T. Shepford
			Date Describer 16, 1963

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

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. agulo

STATE OF MONTANA, ss. County of Caseade.

I hereby cartify that the within to-sare ment was filed in this office on

DEC 17 1963

at 1.4.3 o'clock A M.

I. I. LEPALON

County Clerk and Recorder.

By Deputy.

DRILLER'S LOG Indicate the character, color, thick-

ness 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.

GW 2 Revised 1960

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

Great Falls, Lontana LICENSE NO.135

(Under	Chapter 237	Montana	Session	Laws, 1961	i, as amend	ded)	Top of	Ground	(Elev. above sea level)	
by the ow	to be prepared to be prepared to the prepared	e County	Clerk an	d Recorder	in the cou	ntv in	From (Feet)	To (Feet)		
	well is loca wer all ques				-15	Transl				
form may	be returned.			ئد.						
Owner\	olk Jone	truoti	ion, In	23	ئۆپ_					
Address 1.	505 –1 4th	Lite S		File 54	36		_ئد_		Erron lingkan sandsto	
Great	201.1s.	ontana	J	How 1	1902	9:020.2.	_42_	3	ind shile hard	
Date well	started	-3-107	2.	GW 1	*****		-53	_53	Gray chale	
con	npleted പീപ്		72	·····			52	. 67	Voriented shale	
Type of w	ellDri	lled					_62.	20	Lai rock	
Equipment	used .Qhii	na dri		ug, driven, hare: Churn drill, rots:		-			The same that	
Water Use	: Domestic	图 Mu	nicipal [on 🗌			والمراح المراح ا	ر باستور باستون
Ind	lustrial 🗌	Drainage		her 🗆*	Garden/Lav	wn 🗆			ه السام المراجع	
*Describe		•••••			***************************************				مراجع المساورة والمراجع المساورة والمراجع المراجع المر	;
USE: If us	sed for irrig number of a	ation, ind	dustrial,	drainage or	other. Ex	kplain,				ىن سىسىن -
	Addition)				•					•
								۱۱ میبا همه حسا در در د	مبدأ حملة ليضة طلبية ميلية فعد منها شدة طلب جيما مسم ويها فينها بلنية طلبي بساء مساعد منها المستوفع المستوفع المستوفع التنافع المستوفع المستوفع المستوفع المستوفع المستوفع المستوفع المستوفع	
	ANNUAL V							سه جے جت سا	مستر وتباه البين ويدي بنائل عنود فنعة منانه بالنب البين عبد مسرد فنعه بلناته كالناء	
Sire of Trilled Hole	Stre und Weight of Casing	(Pert)	To (Feet)		PERFORATION	is		ا فليو هندا فلنا م	بة حينة خت خميا بين جيرا مني جيدا شي طلة جين بين بين بين مين مي بيد	
				Kind Size	From (Feet)	(Feet)				
7"	7" 17	O	52	ot pe	riorst	96	سامد حق		and the state of the second state of the secon	
	5 " 14	50	70	forch	52	54			من الله الله الله الله الله الله الله الل	
		1					عت الله عبد ب	با بيدو ميد بيبور	ره فسا فقا دُنها فيها فكا وليه والأفا فيه خَلَّا سِير في فِيدَ وَلَا صِيرٍ فِي الْكُنْ صِيرٍ فِي الْ	
								سه سه محد ت	وتبت للناة فالله ملية منية مينه نبية نبية بمنه بينه الله منية منية منية الله منية منية الله	
	×								ر منده کارهٔ کانت کی جند میں بیدان ایک کار در ایک مارو بیدان ایک میل بیدان ایک در می ای منده کارهٔ کانت کی جند میں بیدا باتک کارو میلا	
	5 Jun Ri			ic water let nping water					are a little Margarithman and a finish the second and a second and a second at little and a second and a second	
	e Garde		at .	ð	gallons	per minute,	حب میں عبد . مسالم		رحه ها دیات انتیا جنی جنیر زیبان خید بیشا هیان جیان جید ایس جیب که هید ر	
3t.	fail, A	ontara	me: beg	sured	minutes aft	er pumping	منبه سند	به جی جیا حت	ييسة فضاية فسنت منتت طالب وثائلة طالبته عليقة فالنت فبست مبترة اعتما مجيم م	
w		1	· M	easured from			يه صبة منه حن		ر میں جب جانا میں بہت جب میں طالع اس جب جب جب جب جب جب جب	
				l developed		LCT				
				vet		НР		يسبب ميد جالة جا		
				harks: (Grav		-			ري خلية خلية حسّن مين بلننة هنت مين الكنة كان سنة بننت بننت مين بينا شير م	
	g		bac	kers, type c	1 SNU1011) .					
									وينه هذه فها حتب هجيه وينه وينه واله فينه خان الله خلته خان الله خانه الله خانه الله الله الله الله	
T	<u>N</u> R	<u>E</u>						,	ها هنال حلت الله دراي دراي مينه ملك طبق الله الله عنه الله عنه الله الله عنه الله	
	LOCATION ALL SQUARE	OF WELL	AND P		ISE, IF POS	ssible.	موسود	یه میر سه می	رب دن در سو سه منه منه منه منه شد منه شد شد الله الله الله الله الله الله الله الل	
	gnature			_						
Uriller's Sig	gnature		Tare &	many see or		*********				
Driller's Ad	ddress 21.1.3	2-7th.	Ave. S				 			
Greet	Falls.	entan	₽	LICENSI	NO.135		****	. 20	Show exect depth of bottom	,

STATE OF MONTANA, be County of Cascade.

I hereby certify that the same is strainent was find in 1972

12

DRILLER'S LOG Indicate the character, color, thick-

ness of strata such as soil, clay, sand, gravel, shale, sandstorie, etc. Show

depth at which water is found and

height to which water rises in well.

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

	0010	iopeu an	er Januar,	1, 1702					
(Under C	Chapter 237	Montana	Session L	aws, 1961	, as amend	leď)	Top of	Ground	(Elev. above sea level)
by the own	to be prep	e County	Clerk and	Recorder	in the cour	filed nty in	From (Feet)	To (Feet)	
which the	well is loca	ited, last	copy to b	e retained	by driller.	•		15_	
	wer all ques be returned		not applica	-3/5					
Owner	all: Com	triet.	ion. Arp	*For Admir	nistrator's II	is p	23		
Owner Tolk Solution To See File 5436								_1.7	
Great	20110.	ontant.		Nov. 13	1902	9:02 o.m.	122		
Date well:	started	~ <u>7 ~ 7 ~ 7</u>	1	•	*******		-33.	-53	
com	pletedii		72				3,2	-03	International Control of the Control
type of we	ell	Med				······································	_02.		
.,	used .Ala		(Dug	, driven, bored	or drilled)				
			(CI	hurn drill, rotar	y or other)			 	
water Use:	: Domestic	∐ Mu	micipal 🔲	Stock [] Irrigati	on 🗌			كان المراح ا المراح المراح الم
Ind	ustrial 🔲	Drainage	: Oth	ner 🔲*	Garden/Lav	vn 🗌			
Describe								ت جنتا باقطا میں	ر المراح المراح والمراح والمراح والمراح والمراح المراح المراح المراح المراح المراح المراح المراح والمراح المراح المراح المراح والمراح والمراح المراح الم
USE: If us state	ed for irrig number of	gation, in acres and	dustrial, d Llocation o	Irainage or or other da	other. Ex ta (i.e. Lot,	oplain, Block			محا حملت البلغة الباحث النباط البلغة البلغة البلغة البلغة المساح وسين فيسم بالمبان البلغة البلغة المبادة
and A	Addition)	•••••	••••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	••••••			ما نابا هندن بنین بنین بیدا جین بیشا هنین هنیا تازی بناد بیدا بنین بنید بنین بنین بنید در بدر در با
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Sire of Drilled	Sire and Weight	From (Feet)	To (Feet)	· ·	ERFORATION	is			
Hole	of Casing			Kind Sire	From (Feet)	To (Fed)		حين هند سدر	
74	77 17	U	52	nt 196	101015°	1.,			هنی حنید دیده جدی هنید هنیا هی هیک هنی بینم جنین هنیا شنی شنیا شنیا هنید هنیا هنیا هنیا هنیا هنیا هنیا هنیا هن
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	J., 44	. û .e-a	70	10101))4		: منت دینه مین	بلة بنتيا طبية هنت هيية حسر عبدة كناة طنته بنيه بنيه ينيه وبناء بنائة هنت ه
		,	∤ * 133 °	971					منت جين
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555 200	i dan di	lý6a		ping water	level02	īfi.			ما الما الما الما الما الما الما الما ا
ric		100	at De mea		gallons : minutes aft				
w 111.		A GA		an.				و بين هنه هنيا،	
			Well	developed	n ground I I byi.				و خدن هم جيو بيور بانت هيه طلة البيد هيانا فنند هم جيو بيور بيت خلايا فيد
>					hours. Pump	н			ر 100 منت منت بلين جلينا خين جين مينه جين برس سير سير سير سير سير سير سير سير سير س
			Rem	arks: (Grav	rel packing, f shutoff)	cementing			
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T	- 5 1/4 Se	, 19 3 E 3	. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \						
	*								
	LOCATION ALL SQUAR				ISE, IF POS	SSIBLE.			
	gnature								
					Page 1	**********			
	ddress 21.				*****		\	g ,-,	Character dense Control
	o o blu 🕡		***	LICENS	NO.134		ersene russeer - s	(!)	Show exact depth of bottom

File	Nο		

T-20 R.3 E

DUPLICATE

County Cascade

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

(Name of Appropriate	olverton of Route 1 West Great Falls (Town)
County of Cascade	State of Montana (10wil)
have appropriated groundwater lows:	according to the Montana laws in effect prior to January 1, 1962, as fol
10ws.	
N	2. The beneficial use on which the claim is based
	House and stock watering
	3. Date or approximate date of earliest beneficial use; and how con
	tinuous the use has beenContinuouslysince1932
	4. The amount of groundwater claimed (in miner's inches or gullon
	per minute) ten gallons
	5. If used for irrigation, give the acreage and description of th
8	lands to which water has been applied and name of the owner
	thereof
4.77. Sec1.7 20 R3E	Non irrigation
licate point of appropriation	
d place of use, if possible.	6. The means of withdrawing such water from the ground and th
ch small square represents 10	location of each well or other means of withdrawal
res.	Jet electric pump
The date of commencement and drawal of groundwater	***************************************
The date of commencement and drawal of groundwater	Jet electric pump completion of the construction of the well, wells, or other works for with Prior to 1960
The date of commencement and drawal of groundwater	completion of the construction of the well, wells, or other works for with Prior to 1960 100 feet type, size and depth of each well or the general specifications of an
The date of commencement and drawal of groundwater	Jet electric pump completion of the construction of the well, wells, or other works for with Prior to 1960 100 feet
The date of commencement and drawal of groundwater	Jet electric pump completion of the construction of the well, wells, or other works for with Prior to 1960 100 feet type, size and depth of each well or the general specifications of an of groundwater
The date of commencement and drawal of groundwater	Jet electric pump completion of the construction of the well, wells, or other works for with Prior to 1960 100 feet type, size and depth of each well or the general specifications of an of groundwater
The date of commencement and drawal of groundwater	Jet electric pump completion of the construction of the well, wells, or other works for with Prior to 1900 100 feet e type, size and depth of each well or the general specifications of an of groundwater ed. 6 casing - 100 feet deep
The date of commencement and drawal of groundwater	Jet electric pump completion of the construction of the well, wells, or other works for with Prior to 1960 100 feet type, size and depth of each well or the general specifications of an of groundwater
The date of commencement and drawal of groundwater	Jet electric pump completion of the construction of the well, wells, or other works for with Prior to 1900 100 feet e type, size and depth of each well or the general specifications of an of groundwater ed. 6 casing - 100 feet deep
The date of commencement and drawal of groundwater	Jet electric pump completion of the construction of the well, wells, or other works for with Prior to 1960 100 feet e type, size and depth of each well or the general specifications of an of groundwater ed. 6" casing 100 feet deep dwater withdrawn each year 500,000 gallons
The date of commencement and drawal of groundwater	Jet electric pump completion of the construction of the well, wells, or other works for with Prior to 1960 100 feet e type, size and depth of each well or the general specifications of an of groundwater ed. 6" casing 100 feet deep dwater withdrawn each year 500,000 gallons
The date of commencement and drawal of groundwater The depth of water table So far as it may be available, the other works for the withdrawal The estimated amount of ground The log of formations encountered	Jet electric pump completion of the construction of the well, wells, or other works for with Prior to 1960 100 feet e type, size and depth of each well or the general specifications of an of groundwater ed., 6" casing - 100 feet deep dwater withdrawn each year 500,000 gallons ed in the drilling of each well if available Unknown
The date of commencement and drawal of groundwater The depth of water table So far as it may be available, the other works for the withdrawal The estimated amount of ground The log of formations encountered Such other information of a similar	Jet electric pump completion of the construction of the well, wells, or other works for with Prior to 1960 100 feet e type, size and depth of each well or the general specifications of an of groundwater ed, 6 casing - 100 feet deep dwater withdrawn each year 500,000 gallons ed in the drilling of each well if available Coknown
The date of commencement and drawal of groundwater The depth of water table So far as it may be available, the other works for the withdrawal The estimated amount of ground The log of formations encountered Such other information of a similar of the content of the conten	Jet electric pump completion of the construction of the well, wells, or other works for with Prior to 1900 100 feet c type, size and depth of each well or the general specifications of an of groundwater id, 6 casing - 100 feet deep dwater withdrawn each year 500,000 gallons ed in the drilling of each well if available conknown illar nature as may be useful in carrying out the policy of this act, including younty record Inknown because not required at time of
The date of commencement and drawal of groundwater The depth of water table So far as it may be available, the other works for the withdrawal The estimated amount of ground The log of formations encountered Such other information of a similar of the content of the conten	Jet electric pump completion of the construction of the well, wells, or other works for with Prior to 1900 100 feet c type, size and depth of each well or the general specifications of an of groundwater id, 6 casing - 100 feet deep dwater withdrawn each year 500,000 gallons ed in the drilling of each well if available conknown illar nature as may be useful in carrying out the policy of this act, including younty record Inknown because not required at time of
The date of commencement and drawal of groundwater The depth of water table So far as it may be available, the other works for the withdrawal The estimated amount of ground The log of formations encountered Such other information of a similar of the content of the conten	Jet electric pump completion of the construction of the well, wells, or other works for with Prior to 1900 100 feet c type, size and depth of each well or the general specifications of an of groundwater id, 6 casing - 100 feet deep dwater withdrawn each year 500,000 gallons ed in the drilling of each well if available conknown illar nature as may be useful in carrying out the policy of this act, including younty record Inknown because not required at time of

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.

Mires # 3031

County of County that the within insurance to was filed in this office on the day of FEB 19 1962

Therefore as FEB 19 1962

County Clerk and Recorder.

Deputy.

File	No.					

T. 20 R. 3 E County Cascade

DUPLICATE

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

H. Winn & Edith M. (Name of Appro		of Route 1 West Great Falls (Address) (Town)
	_	State of Montana
have appropriated groundw lows:	ater accordin	g to the Montana laws in effect prior to January 1, 1962, as fol-
×	2.	The beneficial use on which the claim is based
	3	Date or approximate date of earliest beneficial use; and how con-
		tinuous the use has been Continuously since
x	E	1932
	4.	The amount of groundwater claimed (in miner's inches or gallons
		per minute)ten gallons
8	5.	If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner
		thereofNon-irrigation
¹ 4 Sec 1.7 '20 R 3		
licate point of appropriation of place of use, if possible		
		The means of withdrawing such water from the ground and the
ch small square represents 1		location of each well or other means of withdrawal
		location of each well or other means of withdrawal
ch small square represents 1 res. The date of commencement drawal of groundwater	and complete	location of each well or other means of withdrawal
ch small square represents 1 res. The date of commencement drawal of groundwater	and complete	location of each well or other means of withdrawal
The date of commencement drawal of groundwater The depth of water table	and complete Prior to 58	location of each well or other means of withdrawal
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The date of commencement drawal of groundwater The depth of water table So far as it may be available other works for the withdrawal of formations encounty. The log of formations encounty. Such other information of a reference to bock and page Unknown because	and completer of any county see not react	ze and depth of each well or the general specifications of any

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. 1521

Mice * 3032

STATE OF MONTANA. ss.

County of the mat the within instrument was fried in this office on the day of FEB 19 1962.

It 256 Weicek W.M.

Deputy.

GW.	<u></u>	and the second s
File No		TR.
DUPLICATE AD	STATE OF MONTANA MINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER	County.
(Un 1. Read By (Name of Appropriated groundwalows:	aration of Vested Groundwater Right der Chapter 237, Montana Session Laws, 1961 of (Address) State of (Address) ter according to the Montana laws in effect p 2. The beneficial useron which the of the description of the use has been (Address) 4. The amount of groundwater claim per minute)	(Town) Orior to January 1, 1962, as fol- claim is based est beneficial use; and how con- ned (in miner's inches or gallons
1	5. If used for irrigation, give the lands to which water has been a thereof	acreage and description of the pplied and name of the owner

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

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

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

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner Vicker 13 1992

Date freely 26 1962

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

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

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

#3158

STATE OF MONTANA, }ss.

It with fertify that the within in-circulating was filed in this office on JUL 27 1962

Deputy.

, (email)

File No....

T. 20 R 3E

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

County CASCABLE CETY ED STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

		Date of Appropriation of Groundwater. 1951
		Owner Address Gt Fulls Newt.
		Contractor (if any)
		Address of Contractor not applicable
		Date Started 1.51 Date Completed 1951
	N	Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to
		water when applicable. Irrigation for a depth of 60 feet

W		,

		Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent
In 8/40/2	by M&B (NK 38) Lot 38 13	estimate approximate lengths of periods of use
		use for irrigation during growing season
	Indicate point of appropriation and place of use, if possible.	
	Too small a plot to	
	indicate	Signature of Owner Many M. Clark
		Date December 14, 1963

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

\$35-11

STATE OF MONTANA, } ...

thereby certify that the within in-columnit was filed in this office on

PSC 1 6 1968

At 15.50 delect GM.

Construction and Reserver.

By Show Darks.

File No.....

DUPLICATE

T20 No R 3. East
County Cosonde

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

(Name of Ampropriate	10 11 15 1 12 of	(Aridross)	9104 + Fy //s (Town)
County of 195 P	() ()	to of Mont	(10WII)
County of	according to the Mo	ntana laws in effect	prior to January 1, 1962, as fol-
lows:			•
×			
	2. The benefic	ial use on which the	claim is based
		CMES 1.0	
	3. Date or appr	roximate date of earl	iest beneficial use; and how con-
	tinuous the	use has, been	May 15, 1958
4		elly	
E	******		
	4. The amount	of groundwater clair	med (in miner's inches or gallons
			per Min
	per minute)		
	5. If used for	irrigation, give the	acreage and description of the applied and name of the owner
g	thereas	And water has been	or irrigo Tion
EVIE Sec. & TROMR 3 E.	tnereor		* · · · · · · · · · · · · · · · · · · ·

ndicate point of appropriation			
nd place of use, if possible. ach small square represents 10		_	water from the ground and the
res.	location of	each well or other m	eans of withdrawal
	S.E 1/4 of	The N.E. TY. Sout S	, 7. 20 North, Range 3E.
			eans of withdrawal 7. 10 Necth, Range 3E. 1, wells, or other works for with-
The date of commencement and drawal of groundwater		nstruction of the wel	•
The date of commencement and drawal of groundwater	completion of the co	nstruction of the wel	l, wells, or other works for with-
The date of commencement and drawal of groundwater	completion of the co	nstruction of the wel	l, wells, or other works for with-
The date of commencement and drawal of groundwater	completion of the co	nstruction of the wel	l, wells, or other works for with-
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The date of commencement and drawal of groundwater The depth of water table So far as it may be available, the other works for the withdrawal	type, size and depth of groundwater	nstruction of the well	l, wells, or other works for with-
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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.

#3188

STUTE OF WORTAND RE-

Therefore control that the wider to a ment was filed to the office of the file of the office of the file of the office of the of

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.

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)	Top of	Ground	(Elev. above sea level)
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	From (Feet)	To (Feet)	
which the well is located, last copy to be retained by driller.	0	2	Sandy Loam
Please answer all questions. If not applicable, so state, otherwise the	2	14	Yellow Shale
form may be returned.	14_	48	Yellow Sand Rollk
we 1 1 1 10 1	48	54	Grey Sand Rock
Owner Wilbur Kitterman For Administrator's Use	54_	55	Dark Shale
Address RR 1, Box 235 File 5386	55	60	Water Gray Sand Rock
Great Falls, Montana July 3/972 8:450			ومستود والمحادث والمستود والم والمستود والمستود وا
Daie well started 28 June 1972 GW 1	م سِما فين بنيه		مراه المستقد ا المستقد المستقد
completed 30 June 1972			معاهد مهدا فيناذ جوانا خينية خديم ميية فينت ويؤاد الذين بياده الدين متيانا المريز التود الذياة الساء
Type of well Drilled (Dug, driven, bored or drilled)			الباء الفتن تؤمل أعما وقدار معد أحدث فيديا فليش بيئية بجنون وبقاء جين معد وبين فيدا حيداً العدا وبالد
Equipment used Churn Drill (Churn drill, rotary or other)			مة خفيد للله للمة طبقة خفيد حيث خليج فيها خبيرا مؤلك ليس بجدة فيهي خدة خبيرة السا سبعة معالمة المستقدة المستقدة المستقدة المستقدة المستقدين المستقدين المستقدين المستقدة المستقدة المستقدة المستقدة المستقدمات
Water Use: Domestic 🗱 Municipal 🔲 Stock 🕮 Irrigation 🕮	را در است است به است		ا نامته دانها الحديد دانده الحدة عنيه رحمه نهيج داده هيئة الدين وينه دانها بحديد بالدين وحد طبقه دانتيه و
Industrial Drainage Other * Garden/Lawn &			ت الحدد هنية النب الدنة فتنا بلحة جنب عدد بينية فلنق بينية فنيد بينية فنين بنيد فنين بنيد. مسالت علية النب الانتقال التنافق التنافق التنافق في التنافق التنافق التنافق التنافق التنافق التنافق التنافق وا
*Describe	نسار مثلنا سنے عا		بة يقتم فلمنا الشنة فلينة فلينة فلينة ليشة بيشية شيئة فلينة سنية فلينية بيشة فلينية بشته بطقة بخلفة
USE: If used for irrigation, industrial, drainage or other. Explain,		-	
state number of acres and location or other data (i.e. Lot, Block			بدأ حدفظ بالدن فللط البنية فلنية فلينق بهملا فيهم بالملا فليه فيدن فيسيد بنييد للمدن بلده بلد
10 Acres or loss cut cut c 5	1		فالمقاف التقسم مستبط المرجلي والمستحد ويتا العينان والمستقدين والمستقد والمستقد والمستقد والمستقد والمستقد
and Addition). TO ACTES OF TESS, SWZ, SWZ Sec. 2.			مقد های فائل خناه سنے بیاد مسر زمان جسد افاد عبید خانم بینت خانم بانتوجیع .
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With the same and	gara.		ه خندت طبعه: استبا طباعه عبدي ظللت جنيها الجيش هبلة طبيع برجما سنيو طبط خلفتا الثناء منيها
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8 inch 6 5/8 0 60 (Feet) (Feet)			to programme and the state of t
14 psi 1/8 x 10" 55 58			ست باعد فاقت ملته قبيع وباغا طبي وكلا فنده قمد فيبية فنص ويوبا وبسر هند وتبور
slots	*		
gravel placed behind	1		
casing to cover the	-		يد بيو بلند جين التدر جينا مين بيان سد بالذ جيير شه ميو الله ساة سنا
perforations.			
			متناه علقة فلقة تلقن عملة ترين بطاة ليسد بتألم يبيب تقال يتورد تفعه مبنية نبلي يبين
N			
Static water level 48 ft. from	top.		والمال
Pumping water level 51 fr. 46	D		
sec. 20 sec. 21 at 40 gallons per minute			هين منها شية شين شين هند سب يشد شيد شيد شيد شيد شيد سب
measured 60 minutes after numning	3		
well & L use began.			
*Measured from ground level.			
Viell developed by bailing	به هیں بنیا کیا۔		ي خد خيب شيد دين وين من خيد بنا هند دين من دين من دين من دين دين دين دين دين دين دين دين دين دي
for 14 hours.			A TOTAL SHAPE MADE SHAPE
Power Pump	,		
Remarks: (Grave) packing, cementing			ورد ميد ودا ميد بالت سن منه منه شد د
packers, type of shutoff)			
er er . 20			ويه جيو هند جين الله جيان الله عند الله عند الله عند الله الله الله
SE / SE / Sec. 20 T. 20 (1) R			
T	·		
S W	·		
INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.			
EACH SMALL SQUARE REPRESENTS 40 ACRES.			
0 Q D.00. L			
Driller's Signature			
9.57 - 11 th 11 5 W			
Driller's Signature & D Rafferty Driller's Address 927-104 and 5.W.	·		a :
LICENSE NO. 28		60	ftshow exact depth of bottom

STATE OF MONTANA, }sa.

County of Cascrate. }sa.

Thereby country that the within instrument was (A.) in this office on

JUL 3 1972

8:45

Deputy.

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M		19	1960	رلا

T	20	N	R	3	E		 .	
Cou	inty	Car	ico	ro	la	·		

STATE ENGINEE MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOG

Owner Mrs. Glen Kitterman Address Gt 1 M. Great Falls
Driller J. A. Wells Address At 14 Great Fells Date Started Fell. 1946 Date Completed Fell: 13 1946
Location: Sec. 20 T. 20N R3 E Sec. 4 of SW 4
Type of well drilled Equipment used cable drill (Churn drill. rotary, other)
Water use: Domestic X Municipal Stock X Irrigation X
Industrial Drainage Other:
Casing: surface 11 to 34 st. Type steel size 4 \$ 0.0.
Casing:ft. toft. Type Size
Casing:ft. toft. TypeSize
Perforated or Screened: Ft to ft to ft to ft
Type of screen or perforations
Static Water level, for non-flowing well: 70feet.
Shut-in pressure, for flowing well:
Pumping water level. 70 feet at 10 gal. per min.
How tested: ran pump continously at 10 gal per min
How tested: ran pump continously at 10 gal per min Length of test for 7 days without stopping
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

Log of Well

		Log of Well
Depth	·	Description of Material Drilled
From	То	
surface	8'	soil
_8'	40'	soil shell rock
40'	41'	very hard rock
41	55	very hard rock
	:	

	L	
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the first war and proper place and an account of the second		STATE OF MONTANA.) ss.
white the party was a party in the st	·	I hereby certain that the within in-
Mare designed, and the second second		the dry of MAY 1.0 1960
Martinians play angunggan yang kalabarat		m 1007 o'clock Q-M
***************************************		- Aleman
***	<u>i</u>	County Cherk and Discorder.
***************************************		Deputy.

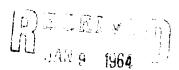
File No.

DUPLICATE

T20 R3E

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



Declaration of Vested Groundwater Rights | ENGLES

(Under Chapter 237, Montana Session Laws, 1961)
1. Edward Allffany, of 2606-30dAre So, Gt, Falls (Name of Appropriator) (Address) (Town)
County of CASCAE State of Montana laws in effect prior to January 1, 1962, as follows:
N TO THE RESIDENCE OF THE PARTY
2. The beneficial use on which the claim is based Demestical Course Plus irrigation
3. Date or approximate date of carliest beneficial use; and how continuous the use has been $A4905714-1950$ and continuous the ere after
W The state of the
4. The amount of groundwater claimed (in miner's inches or gallons per minute) A bout 50 Gal Per Min. Measured at Time of Drilling
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 Tracts 1. Sec. T. Bi- Indicate point of appropriation 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 Tract 22 of Mid Kiff Green Acres Tracts, in North west Great Falls, 200 Ft X 385 Ft. Tract
and place of use, if possible. Each small square represents 10 acres. 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
With Payer Pump-Located on Tract 22 of Midkiff Green Acre Tracts.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater WELL Drilled to Cased by Mr. E.D. Raffert, Of Ct. Falls, Drilled between Aug. 10 + 149, 14 of 1950
8. The depth of water table Gravel 4 Water Struck Between 16 +68 Water Raised To With in 6 FT. of Surface 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well Depth - 68, Cased With
10. The estimated amount of groundwater withdrawn each year UNKNOWN- 45%
11. The log of formations encountered in the drilling of each well if available 0 to 10-Laam, 10'10 17' quick Sund, 17 70 64' 512t, 64' to 66 quick Sund, 66 to 68' Gravel and water
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
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 Knawn, Only Recard Of Driller M.E.D. Rafferty U.S. enset 28

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

Signature of Owner Educard a Tiffany
Date Dec. 31-19163

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

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

4502

GIERA AND RESEARCH COMMENTS OF THE COMMENTS OF

TT	20	R	3	Ξ	 •••••	•••
Coun	ıty	Cascade			 ·····	

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOG

	WAT	ER WELL LOG	Armed Lindinkly
	Owner Albert F. Ec	rgmonn	Address R.R. #1 West
	Driller Euell L. Fl	ood	Address Great Falls, Mont. 7
			Date Completed April 12, 1957 sec. Pt. N.E. 1/4
Type of well	Drilled (Dug, driven, bored, or drilled)	Equipment used	Ghurn Drill (Churn drill, rotary, other)
Water use: Domestic	X Municipal	Stock	Irrigation .
Industrial	Drainage	Other:	Lawn, Flowers, Shrubs.
Casing:	ft. toft.	Туре	Size
Casing:	ft. to	Туре	Size
Casing:	ft. toft.	Туре	Size
Perforated or Screened	l: Ft to ft.	Ft	to #t
Type of screen or perfor	rations		
Static Water level, for n	on-flowing well:	159	feet.
Shut-in pressure, for flo	owing well:	lb./sq. in. on:	(date)
Pumping water level	fee	t at	gal. per min
How tested:	Bailing Te	ອີ	
Length of test			
Remarks: (Gravel pac	king, cementing, packers,	type of shut-off, depth	of shut-off)
+120	book of this from		by in Flood attached to
<u>څ</u>		(over)	

Log of Albert F. Bergmann's Water Well August 9th. 1956 to 60ft.= Quick Sand. (Silt Dry) 60" 105 = Red Shale 105 "112 = Sand Rock (Grey) 112 130 = Shale Blue = Sand Rock (Grey) 175 = Sand Rock (Red) 175 185 185 205 = Shale Red 205 220 = Sand Grey = Shale Blue 220 233 240 = Sand Rock Dark Grey 230 240 286 = Sand Rock Light Grey 286 290 = Shale Red 290 301 = Shale Blue 301 322 = Lime Rock Grey 336 = Shale Blue 322 336 365 = Sand Rock Grey 375 = Shale Blue 365 375 = Total Depth. on completion of this drilling 32 Gallons of Water per bailing test at 132 Ft.)
140 " at 282 ".) Per Hour. 140 " 385 " " at 358 ") The 5 & 1 inch casing comes up in bottom of 7 inch casing 15% Ft. This 56 inch pipe is V thread 68 ft.O.D. casing 24 ft. O.D. casing 1 Steel Shoe 316 ft. 5½ inch O.D. casing 6 joints perforating casing E.L. Flood April 12 th, 1957 375 to 335 ft. =Blue Shale 385 " 396 " = Sand Rock 396 410 = Shale = Madison Lime 410 437 On three bailing test's this well dropped to only 90 gal. per hour 65 ft. of 5 & 9/16 inch casing Static water level 159 ft. from surface. (April 9 th. test) Bottom of 5 & 9/16 O.D. casing is now at 385 ft. 19 twenty one ft. joints of 2 inch drop lipe set, bottom of drop pipe is 407 ft. from surface. Evell L. Flood

Crarti Or Hontana, }es.
Charly of Carcada.
Thereby coeffy that they thin inareas at was filed in this office on

o'clock & M.

J. In PANA ON

County Chest and Recorder.

By Bull

Deputy.

w 3	CACOR MULLAVAS MODES STATE	Approved Stock FormState Publishing Co., Helena, Montana42262
File No	D 2 C 2 1 7 2 D	T. 20 N R 39
DUPLICATE	SEFERRED 10	CountyCascade

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

	Date of Appropriation of GroundwaterJuly 22, 1965
	Owner A. F. & Leona Address at. 1 West Bergmann Great Falls, Montana Contractor (if any) None - Developed by State Highway
	Address of ContractorNone
	Date StartedJuly22,196Date CompletedJuly22,1965
Rasidance	Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to
Spring	water when applicable
x	center of NE4, Sec. 21, T20N, 83E, in Cascade
W F	County, Montana
"	
	Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent
8	estimate approximate lengths of periods of use150 r.iners
NE/4 Sec21 T.20. R. 1W	inches - continuous use - a rived at by State
Indicate point of appropriation and place of use, if possible.	Highway Enginee.c.contractor
	Signature of Owner. S. J. S.
	· ·
	Nate August. 3, 1965

This form to be prepared by contracter (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.

396

STATE OF MONTANA, county of Cascade.

Thereby certify that the within insurament was filed in this office on

AUG 3 - 1965

J. L. LENNON
County Clerk and Recorder.

By_ Deputy.

DRILLER'S LOG
Indicate the character, color, thick-

ness 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.

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

	D010	noped el	iei Januai	y 1, 1992							
(Under C	Chapter 237	Monten	Session	Laws, 196	l, as amen	dej)	Top of	Ground	j E	Elev. above sea level)	
by the ow r	to be prep ner with th	e County	Clerk and	d Recorder	in the cou	into in	From (Feet)	Fo (Feet)			
which the	well is loca	red, last	copy to b	oe retained	by driller	•	0	4	5016		
Please answ	ver all ques	tions. If	not applic	able, so sta	ate, otherwi	ise the	4	36	SANO	STONE	
form may l	be returned		nor opping	,	3.0, 00, 44	136 1116	36	70		- 5h = 1e	
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state i	number of	acres and	location	or other da	ita (i.e. Lot.	Biock					
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and A	Addition)				**************				 		
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INDICATE I	LOCATION	OF WELL	L AND PL	ACE OF L	ISE, IF POS	SSIBLE.			ی جی جی جی جی د	ر سبر سبر جس جي چي شبه سنه شي رسه سِيه د	
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EACH SMA Driller's Sig	dress 40	20 Who	3.00	lu S	D 19	9	30	20	Show ex	act depth of bottom	

rat Resources and Conservation g Bureau

ter Section Mitchell Building Helena, Montana 59601 Owner Texaco, Inc.

Address ore Hill Station - Gt Falls

coation T. 20N R. 3E Sec. 21

Doc. No.

As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

Special Instructions:

Please provide the county filing information for the attached form.

Thank you.

FILE NUMBER 5360 FILED- MAY 8 1972 TIME- 1:00 P. M.

escribe S E: If user state n	d for irrigation of addition).	tion, indires and	ustrial, dra location or	ainage or other data	(i.e. Lot,	olain.			ما الله الله الله الله الله الله الله ال	the test that the test can be a second to the test can be	
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County CASEADE

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 T=XABO INC.	designation of the second
•	For Administrator's Use
Address GORE HILL	File
Texaco STATION	
GREAT. FALLS. Date well started 4-1-7-2	GW 1
completed -: 13-72	
Type of well DRICLEd-	
r r	iug, driven, bored or drilled)
Equipment used Lorage	
•	(Churn drill, rotary or other)
Water Use: Domestic Municipal [☐ Stock ☐ Irrigation ☐
Industrial Drainage O	ther 💇 🖰 Garden/Lawn 🔲
*Describe SERVICE STATIO	J
USE: If used for irrigation, industrial, state number of acres and location	drainage or other. Explain, or other data (i.e. Lot, Block

ESTIMATED ANNUAL WITHDRAWAL

Sire of Drilled Hole	Size and Weight of Casing	Prom (Feet)	To (Feet)	PERFORATIONS		NS.
	Pasric 4"	Ö	320	Kind Stee 1/2 " Holes	From (Feet)	To (Frei) 닭 건 C

and Addition),

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et	ing wate	r level gallon	s per mi	ft." nute,
		minutes		
begai			•	
*Mea	sured fro	m ground	l level.	
Well	develope	d by 📆	MOON	5
for	4	hours.	an adi a.	
Powe	ر یا در	Pump		. IP
		vel packin		
		of shutoff		

Static water level 40

P. N. 1880	****
7 NE 14 SW 14 Sec. 21	
T20(N)R3EE	•••••
\$ \$	*******

INDICATE LOCATION OF VIELL AND PLACE OF USE, IF POSSIBLE EACH SMALL SCHARE REPRESENTS 40 ACRES.

Driller's Signature of the Control of the Co

Diller & S	•	-		/ 7	-	•
Driller's A	Address	40	20	ne	and	_
	7)	M	1		

•	LICENSE	10 195

1072 Indicate the character, color, thickness of strata such as soil, clay, sand, igravel, shale, sandstone, etc. Show depin at which water is found and height to which water rises in well.

DRILLER'S LOG

	Top c:	Ground	(Elev. above rea level)
	From (Feet)	To (Feet)	
		<u> </u>	4 NO STONE
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	72	70	Sand + Stole
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	!	 	والمتاه والمتا
			يتنته بنين متنية فلية فالما حسن نيسية خشن شيئة فيناة هيمة للمني بينت ليبين طلق بنيمية
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			أتانك تينية فادي وتييما بإنب سدية فلميا بنسة عادل جستا وسنة فيما فمين نستة في والمنز ويبية ا
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	ļ		
			عثنا منبية فلتره ينصده فحميا فلائمة احسا فيبني فسنن فيبيث طبيها فنشتة فديها وليفة ليهزين همعارب
			
			بتك تربيه عليو ودينه حفية خفيظ خنك خينته بإستي يتبيه تبنية جنية بنيا فينها فبني جيدة فني ملتنك يسيد ب
			الله عينه هجنة شامة خنيه منفة بعين جيتم بيين هيئة بينية خني يهينا لييب كالل
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			فيبي والمستعدة فستستستني ويتبيه فلتبي بالته ويروكي ويبار
5			أحيج بنتاك فبند هلنك كثناه طنيت فلند شئلا يلمية جبنب طبية فينيو - خاب يهيزية فالني بنتلاة ب
	*************		*
			با خنیت خلافات طاقات جانبا طبیت بیشت بیشت نتیته خلیت خلافات خلافات فلیت پیشتا نبیته جاست
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. iP		مسه جنبو هنته جد	ر _{سم} یه هدی صفه سکا جینیت شام بیسه قبید بهیت جملت دنتی بیشت ای _{نی} و جام ختی دنده
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-			100 Care and 100 C
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	~		

320 Show exact depth of bottom

pottom 124

50,724