STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECEIVED

Notice of Appropriation of Groundwater (Under Chapter 237, Moutana Session Laws, 1961) STATE ENGINEER

I, Richard Rossign	ol of		Lolo,	Montana	
(Name of Ar	opropriator)	(Address	3)	(Town)	•
County of propriate groundwater in	state of Chapter			, intend Laws of 1961.	d to ap-
The beneficial use to whi	ch water is to be applied is	Irr	igation		
	rt of SEM Sec 22 - P			ert of SWK	Sec 23
***************************************	benefited, if for irrigation)	•••••••			
The rate of use in callon	s per minute or miner's incl	has of gro	andwatae ele	imad 800 g	als per m
and the of the w Button	, por minute of miner is the	nes er gre	anawast on		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Min	sive dates) of intended use	Apr	l to Ser	t. 1	
The probable or intended	date of first beneficial us	eHas	been used	COIX and o	n since r
The probable or intended	date of commencement and	d completio	on of the we	ll* or wells*	
Abandon grav	vel pit started 1946	complet	ed 1959		
				s indicated	i on nlat
	nd depth of well or wells	contemplat	ted	,	. on past
App. 5 acres - dep	th from 15* to 40*			***************************************	
The probable or estimate	d depth of the water table	or artesia	n aquifier	unknown	
Name, address and license	number of the driller enga	ged		······································	
***************************************	***************************************			***************************************	*************
Give such other similar i	nformation as may be usefu	ıl		7/	
in comming out the nelice	of this act			1	
	of this a/st	··· [
Irrigated by mean	18 OI LINGTOF				
mounted pump and	aluminum pipe				
sprinkler system		w -	+	22 103	
					80033
***************************************]_			
		1			Viii -
		··· }			W
	•	L	<u></u>		
				22 121	N R 20W
				ell or other r	
			developme	nt as accura	ately as
,			possible or	the plat.	
	Signature of A	ppropriate	or Leclie	end / for	esigi de
•		Da	te Sept	ember 21,	1962

* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn."

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

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

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

e No				
3 No			Approved Stock Form-State Publishing Co., Helena, Montana-39089	3ھۆ_
	***************************************		TR	•••••
PLICATE			County Missoula	
		ADMINISTRA	ATOR OF GROUNDWATER CODE OE OF STATE ENGINEER DECEMBE	
	Decla	ration of	Vested Groundwater Rights	_
			er 237, Montana Session Laws, 1961) STATE ENGIN	EE
Di akas			7-7	
Klousi	d Rossignel (Name of Appr	opriator)	Lolo, Montana (Address) Montana (Town)	******
County of				
nave appro	briaten grounds	ater according	g to the Montana laws in effect prior to January 1, 1962, as foll	ows:
	N .	2.	The beneficial use on which the claim is based	
		3.	Date or approximate date of earliest beneficial use; and how tinuous the use has been April 1946	con
	22	E	APT11 1940	•••••
	2		The amount of groundwater claimed (in miner's inches on se	
		- 	The amount of groundwater claimed (in miner's inches or gaper minute) 10 gallons per min	*******
	- - -	-		
		5.	. If used for irrigation, give the acreage and description of the to which water has been applied and name of the owner th	land
			Not used for irrigation	
ch small squ res.	use, if possibles are represents	io 6.	The means of withdrawing such water from the ground and location of each well or other means of withdrawal	d th
			**** /*********************************	
	Branch and		of the construction of the well, wells, or other works for	
	of commencemen groundwater of water table		top of the construction of the well, wells, or other works for	
The depth	of water table	Unknown	size and depth of each well or the general specifications of any	*******
. The depth	of water table	Unknown		*******
The depth So far as: works for	of water table. it may be availe the withdrawal	Unknown tble, the type, of groundwater	size and depth of each well or the general specifications of any driven casing - 6" % H.P. Fump 2 pipes in casing - 1" and 1%" - depth 45"	******
. The depth . So far as works for	of water table. it may be availe the withdrawal	Unknown tble, the type, of groundwater	size and depth of each well or the general specifications of any driven casing - 6" % H.P. Fump 2 pipes in casing - 1" and 1%" - depth 45"	*******
. The depth . So far as works for	of water table. it may be availe the withdrawal	Unknown tble, the type, of groundwater groundwater w	size and depth of each well or the general specifications of any driven casing - 6" % H.P. Pump 2 pipes in casing - 1" and 1%" - depth 45" withdrawn each year 36,000 gallons per year	othe
. The depth . So far as works for	of water table. it may be availe the withdrawal	Unknown sble, the type, of groundwater groundwater wountered in the	size and depth of each well or the general specifications of any artiven casing - 6" % H.P. Pump 2 pipes in casing - 1" and 1%" - depth 45" withdrawn each year 36,000 gallons per year are drilling of each well if available.	othe
. The depth . So far as works for	of water table. it may be availe the withdrawal	Unknown sble, the type, of groundwater groundwater wountered in the	size and depth of each well or the general specifications of any driven casing - 6" % H.P. Pump 2 pipes in casing - 1" and 1%" - depth 45" withdrawn each year 36,000 gallons per year	othe
The depth So far as: works for The estimate. The log of	of water table. it may be availe the withdrawal ated amount of f formations enc	Unknown the type, of groundwater wountered in the None aval.	size and depth of each well or the general specifications of any artiven casing - 6" % H.P. Pump 2 pipes in casing - 1" and 1%" - depth 45" withdrawn each year 36,000 gallons per year are drilling of each well if available.	othe
3. The depth 3. So far as works for	of water table. it may be availe the withdrawal ated amount of f formations enc	Unknown the type, of groundwater wountered in the None aval.	size and depth of each well or the general specifications of any driven casing - 6" % H.P. Pump 2 pipes in casing - 1" and 1%" - depth 45" withdrawn each year 36,000 gallons per year are drilling of each well if available Table - driller is now dead are as may be useful in carrying out the policy of this act, incl	othe
3. The depth 3. So far as works for	of water table. it may be availe the withdrawal ated amount of f formations enc	Unknown the type, of groundwater wountered in the None aval.	size and depth of each well or the general specifications of any driven casing - 6" % H.P. Pump 2 pipes in casing - 1" and 1%" - depth 45" withdrawn each year 36,000 gallons per year are drilling of each well if available Table - driller is now dead are as may be useful in carrying out the policy of this act, incl	othe
The depth So far as works for The estimate. The log of	of water table. it may be availe the withdrawal ated amount of f formations enc	Unknown the type, of groundwater wountered in the None aval.	size and depth of each well or the general specifications of any driven casing - 6" k H.P. Fump 2 pipes in casing - 1" and 1%" - depth 45" withdrawn each year 36,000 gallons per year are drilling of each well if available 1 able - driller is now dead are as may be useful in carrying out the policy of this act, incly record	othe

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.

bodd obligation of the second of the second

PANCETAL

DRILLER'S LOG

height to which water rises in well.

Top of Ground Approx(Eler, above sea level) 3220

Indicate the character, color, thick-mess of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and

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 Monte	na Session	LAUR 10A1	as amondad)

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

This form to be prepared by driller, on the county Clerk a	and three copies to be	filed	From (Feet)	To (Feet)	\$
which the well is located, last copy to Please answer all questions. If not appl	be retained by driller.	1	0		Small broken rock and dirt
form may be returned.		ine j	3	39	Silty sand and broken
Owner Richard Rossignol		[29	62	rock Broken rock with light
	For Administrator's Us		62	66	brown silt mixed in Light brown silty clay
Address	File2525;3.3.3.7	1 1.	66	77	Silty sand with broken
Lolo, Montana Date well started 5/30/73	June 25, 197	<i>.</i> .	-77	92	rock mixed in Broken rock with
Date well started 5/30/73	GW1 3:20 PM		92	109	stringers of clay. Seep Brilen rock embedded in
completed 6/4/73			I09		clay. Seeps Silty sand and broken
Type of well			109	TT.	rock with stringers of
Equipment used Cable Tools	Dug, driven, hored or drilled)		117	120	Clean coarge fractured
Equipment used	(Churn drill, fotary or other)				Clean coarse fractured rock. Water
Water Use: Domestic 🛅 Municipal	□ Stock ⁾ □ Irrigatio	m ^X			ر المراجع المر
Industrial Drainage C	Other (* Garden/Law	" ⁷ ြ			
*Describe		<u></u>			الدومة بيدر رفعة قبين ومد ومن من بين بين بين ويدر بين ويدر من من من من ويدر من خرية م
USE: If used for irrigation, industrial, state number of acres and location	drainage or other. Exp	plain,			
and Addition). Approx. 4.9					
ESTIMATED ANNUAL WITHDRAWAL					
Size of Size and From To Drilled Weight (Feet) (Feet)	PERFORATIONS				المان
6" 68" OD	Kind From (Feet)	To (Feet)			
18,	1 1 1	ľ			
* '." +2 120	Non	e			
* 5, " +2 120	Non	e j			
7 5, 7 42 120	N o n	9			
* 5, " +2 120	N o n	<u>e</u>			
* 5, " 42 120	N o n	9			
N					
N					
N St	atic water level	5"ft,*			
N St Po	atic water level	5"ft,*			
N St Pc at m bb	atic water level	;"ft.* ft.* er minute, er pumping			
N St Pc at m bb	atic water level	;"ft.* ft.* er minute, er pumping			
N Sf Po at m bo to fee	atic water level	ft.* ft.* er minute, er pumping			
N Sf Pt at m bot w // W W fc	atic water level	ft.*ft.* er minute, er pumping vel ift Pum			
N St Pt St P	atic water level	i" ft.* er minute, er pumping velt Pur 30 HP cementing,	īb.		
W St Pt St P	atic water level	i"ft.* er minute, er pumping vel. ift Pur 30 HP cementing. I Wates	īb.		
W Sr Property of the state of t	atic water level	i"ft.*ft.* er minute, er pumping Vel. ift Pum 30 HP cementing. if Water igh Open	īb.		
W Sr Property of the state of t	atic water level	i"ft.*ft.* er minute, er pumping Vel. ift Pum 30 HP cementing. if Water igh Open	īb.		
W Sr Property of the state of t	atic water level	i" ft.* ft.* er minute, er pumping velt Pum 30 HP cementing, 11 Water caring caring can be content	īb.		
W String N Str	atic water level	i" ft.* ft.* er minute, er pumping velt Pum 30 HP cementing, 11 Water caring caring can be content	īb.		
N St Production of Well And Each Small square represents 40	atic water level 62 62 62 7 62 7 62 62 62 62 62 62 62 62 62 62 62 62 62	i" ft.* ft.* er minute, er pumping velt Pum 30 HP cementing, 11 Water caring caring can be content	īb.		
W SE NY 22 bot 22 hot dep INDICATE LOCATION OF WELL AND EACH SMALL SQUARE REPRESENTS ACCORDING TO THE CONTRACT OF THE CONTRA	atic water level	i" ft.* ft.* er minute, er pumping velt Pum 30 HP cementing, 11 Water caring caring can be content	īb.		
N St Property of the state of t	atic water level	i" ft.* ft.* er minute, er pumping velt Pum 30 HP cementing, 11 Water caring caring can be content	īb.		
W SE NY 22 bot 22 hot dep INDICATE LOCATION OF WELL AND EACH SMALL SQUARE REPRESENTS ACCORDING TO THE CONTRACT OF THE CONTRA	atic water level	off.* ft.* ft.*	T 200		Show exact depth of bottom

surface.

I received and filed this Instrument for record on the 25 day of 1917 at 319 o'clock? M. permanent files of Missouta County, State of Nontana Witness my hand:

Output J. Head, County Recorder

By Anna My Deputy

Fee \$ 2.00 Paid

clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates not in excess of 50 to 60 percent of the tested capacity of the aquifer

4—Helena	Independent	Record

File	No	

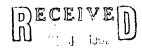
T 12N	R	20W	` (
County	Mis	soula	

DUPLICATE

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)



Dishand	Rossignol		STATE ENGINEE
(Nar	ne of Appropriator)	(Address)	(Taren)
have appropriations:	ted groundwater accord	ling to the Montana laws in e	Montana ffect prior to January 1, 1962, as fol-
11/		2. The beneficial use on which Irrigation	n the claim is based
	1-1-1	3. Date or approximate date of tinuous the use has been	earliest beneficial use; and how con-
#2		f. The amount of groundwater per minute) 240 gals	claimed (in miner's inches or gallons per minute
		5. If used for irrigation, give lands to which water has been thereof All of SWA of Of NWA OF SEA	the acreage and description of the seen applied and name of the owner SEL; part of SEL of SEL; par of Sec 22. Less slough and App. 50 acres
indicate point of and place of use Each small square acres.	e, if possible.	6. The means of withdrawing location of each well or oth	such water from the ground and the er means of withdrawal
drawal of grou	indwater Starked	March 1946. finished M	e well, wells, or other works for with- sarch 1946
3. The depth of w	water table	.	***************************************
. So far as it ma	y be available, the type	, size and depth of each well	or the general specifications of any
other works for Perf	er the withdrawal of gro crated pipe 30" in	***************************************	g, driven in sand and

			50,000 gml
			lable
	2' top soll -	remainder send and gray	[4]
2. Such other inf	formation of a similar na	ature as may be useful in carry	ing out the policy of this act, including
4, 544, 104, 105, 107, 104, 107, 104, 107, 104, 107, 104, 107, 104, 107, 104, 107, 104, 107, 104, 107, 104, 104, 104, 104, 104, 104, 104, 104		Signature of Ow	mer Puchard Prouguel
			Date September 26, 1962
	#19 - 9 'fl 49	. the County Clark and Decemb	In of the country in which the small in

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

Construction of the construction of the statement of the construction of the statement of the construction of the construction

4-Heiena Independent Record * 7/252 S	hould probablishe SW+SW not NN 45E	C>17
File No		12N R 20N
DUPLICATE	C	County Missoula
ADMINISTRA	TATE OF MONTANA ATOR OF GROUNDWATER CODE CE OF STATE ENGINEER	RECEIVED
	of Vested Groundwater Rights	
(Under Chapte	er 237, Montana Session Laws, 1961)	STATE ENGINEER
, Richard Rossignel	, of	lo
(Name of Appropriator) County of Missoula	(Address) State of Hontana	(Town)
have appropriated groundwater according	ing to the Montana laws in effect pri	or to January 1, 1962, as fol-
Tod	. The beneficial use on which the cla	im is based
Land 3	Date or approximate date of earliest tinuous the use has been In use	beneficial use; and how con-

ALL SEX of NWA L.R.w. Part of NEA

thereof of NWA Part of the SWA of NWA 121 of the NEA

of SWA less buildings and road. Part of NWA of

Part of SEX of SEX sec 22; app. 120 acres

The means of withdrawing such water from the ground and the

location of each well or other means of withdrawal

25 h.p. electric pump from open sump dug with

drag line. Location as marked by x on plat

Date September 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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

#152

197962

GW 2	Approved Stock Form-State Publishing Ct., Helena, Montana-4: 143
File No	T 12N R 20W 7
DUPLICATE	County Missoula
LOG	STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE
Top of Ground	OFFICE OF STATE ENGINEER
(Elev. above sea level	Notice of Completion of Groundwater
-s'	Appropriation by Means of Well
	DEVELOPED AFTER JANUARY 1, 1962
O to 62° Broken rock & Brown Clay	(Under Chapter 237, Montana Session Laws, 1961)
62' to 65'-2" Tan clay	Owner Edward Shalts Address Lales Hontons
gravel & water	Driller Camp 1522 S. 14th Missoule, Mont
2o'	Date of Notice of appropriation of groundwater. May 27 /168
-	Date well started 4/3/66 Date completed 4/5/68
_*'	
L.,	Type of well Collect Equipment used Churn drill (Dug, driven, bored or drilled) (Churn drill, rotary or other)
	Water use: Domestic Municipal Stock ☐ Irrigation ☐ Industrial ☐ Drainage ☐ Other ☐
_x'	Indicate on the diagram the character and thickness of the different strats
 	met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing
L-4º	strata and height to which the water rises in the well.
-	Size of Size and System To PERFORATIONS Drilled Weight (Foot) (Foot) Kind From To
-40 - Height neuter rises in well.	En Coul) Groun
	17% to 18" above G.L.
	7001
£(*	
- I	
60'	
	N Static Water Level for non-flowing well
 	45 feet.
Bottom of well - 65'3"	Shut-in Pressure for Flowing Well. Pumping Water Level
 	Shut-in Pressure for Flowing Well. Pumping Water Level. st. 20 gal. per minute.
 	Shut-in Pressure for Flowing Well. Pumping Water Level
 	Shut-in Pressure for Flowing Well. Pumping Water Level. st. 20 gal. per minute.
 	Shut-in Pressure for Flowing Well. Pumping Water Level. at
-	Shut-in Pressure for Flowing Well. Pumping Water Level. at 20 gal. per minute. Discharge in gal. per min. of flowing well How Tested Test Pump Length of Test. 12 hours. Remarks: (Gravel packing, cementing, pack-
-	Shut-in Pressure for Flowing Well Pumping Water Level at
-	Shut-in Pressure for Flowing Well Pumping Water Level. 50 at 20 gal per minute. Discharge in gal per min. of flowing well How Tested. 70st Pump Length of Test. 12 hours. Remarks: (Gravel packing, cementing, packers, type of shatoff). Indicate location of well and place of use, if possible. Each
-	Shut-in Pressure for Flowing Well Pumping Water Level. feet at
-	Shut-in Pressure for Flowing Well Pumping Water Level at 20 gal per minute. Discharge in gal per min. of flowing well How Tested Length of Test 1k hours Remarks: (Gravel packing, cementing, packers, type of shatoff) Indicate location of well and place of use, if possible. Each small square represents 40 acres.
-	Shut-in Pressure for Flowing Well Pumping Water Level. 50 gal. per minute. Discharge in gal. per min. of flowing well How Tested. 705 f. Pump Length of Test. 12 f. Appendix Remarks: (Gravel packing, cementing, packers, type of shatoff) Indicate location of well and place of use, if possible. Each small square represents 40 acres. (Continue on reverse 2:de) USE—If used for irrigation, industrial, drainage or other. Explain, state
-	Shut-in Pressure for Flowing Well Pumping Water Level at 20 gal per minute. Discharge in gal per min. of flowing well How Tested Test Pump Length of Test. 1% hours Remarks: (Gravel packing, cementing, packers, type of shatoff) Indicate location of well and place of use, if possible. Each small square represents 40 (Continue on reverwe 2:de)
-	Shut-in Pressure for Flowing Well Pumping Water Level at 20 gal per minute. Discharge in gal per min. of flowing well How Tested 70st Pump Length of Test. 1th Manages Remarks: (Gravel packing, cementing, packers, type of shatoff) Indicate location of well and place of use, if possible. Each small square represents 40 (Continue on reverse 2:de) USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).
-	Shut-in Pressure for Flowing Well Pumping Water Level at 20 gal. per minute. Discharge in gal. per min. of flowing well How Tested 705 f Fump Length of Test 15 female. Remarks: (Gravel packing, cementing, packers, type of shatoff) Indicate location of well and place of use, if possible. Each small square represents 40 (Continue on reverse 2:de) USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).
- 1	Shut-in Pressure for Flowing Well Pumping Water Level at 20 gal. per minute. Discharge in gal. per min. of flowing well How Tested 705 f Pump Length of Test 12 ft Seenes Remarks: (Gravel packing, cementing, packers, type of shatoff) Indicate location of well and place of use, if possible. Each small square represents 40 acres. (Continue on reverse 2:de) USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).
Show exact depth of bottom.	Shut-in Pressure for Flowing Well Pumping Water Level at 20 gal. per minute. Discharge in gal. per min. of flowing well How Tested 7est 7est Length of Test. 1st hours Remarks: (Gravel packing, cementing, packers, type of shutoff) Indicate location of well and place of use, if possible. Each small square represents 40 acres. (Continue on reverse 2de) USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).
Show exact depth of bottom.	Shut-in Pressure for Flowing Well. Pumping Water Level. So gal. per minute. Discharge in gal. per min. of flowing well How Tested. Length of Test. Remarks: (Gravel packing, cementing, packers, type of shutoff). Indicate location of well and place of use, if possible. Each small square represents 40 acres. (Continue on reverse 2de) USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition). Opies to be filed by the owner with the th the well is located, tissue copy to be License # 7 Driller's License Number
Show exact depth of bottom. This form to be prepared by driller, and three excounty Clerk and Recorder in the county in while retained by driller. Please answer all questions. If not applicable,	Shut-in Pressure for Flowing Well. Pumping Water Level. So gal. per minute. Discharge in gal. per min. of flowing well How Tested. Length of Test. Remarks: (Gravel packing, cementing, packers, type of shutoff). Indicate location of well and place of use, if possible. Each small square represents 40 acres. (Continue on reverse 2de) USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition). Opies to be filed by the owner with the th the well is located, tissue copy to be License # 7 Driller's License Number
Show exact depth of bottom. This form to be prepared by driller, and three ecCounty Clark and Recorder in the county in whice retained by driller.	Shut-in Pressure for Flowing Well. Pumping Water Level. So gal. per minute. Discharge in gal. per min. of flowing well How Tested. Length of Test. Remarks: (Gravel packing, cementing, packers, type of shatoff). Indicate location of well and place of use, if possible. Each small square represents 40 acres. (Continue on reverse 2:de) USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition). Opies to be filed by the owner with the th the well is located, tissue copy to be Licence # 7 Driller's License Number

I received and filed this Instrument for record on the 17 day of Fig. 18 des at 18 des

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ile No	**************************			RESOURCES B	DARD Approved	Stocis Porm			2.à	
UPLICA	ATE	•	JUN 1	LB 1370					anla.	
1 m		LOG					OF MONT	'ANA		**************************************
	Top of Gro	ound			administr State W					
- 1	- ;	re sea level)	Noti	ice of C	omple	tion o	f Grou	ındwate	er
_	0-1	Black Dirt &	Grave	A	ppropri	ation	by Me		Well	
_	1-19	Clay and Gra	vel	(Under	Chapter 237	Montan	a Session	Laws, 196	l, as amend	led)
_	19-24	Sand and Gra	vel	CAM	ert Alberi P WELL OR: UMP SUPPLY	ILLING		1522	Ranchel S. 14th Jula, Mor	W.
I	24-46	Clay and Gra	vel	riner	*********************					
_	46-60	Clay, Gravel a little wat	&		e of appropri					
- 1	60-61'4'	' Gravel & Wat	er T	ype of well	Orille	d	Equipme	ent usedi	ChurnDei	
-					ng, driven, bord Domest	ed or drille ic 🔼 M	ed) Junicipal [(Chu Ste	rn drill, rotar ock 🔲 🏻 Irr	
_				Indicate	Industrion on the diagra	_	Orainage [racter and		her 🔲 of the diffe	rent strat
-			d	et with in d epth at whic	lrilling, such h water is en ight to which	as soil, c countered	lay, shale, l, thicknes	gravel, roos and char	k or sand,	etc. Shor
_			=	Size of	Size and	Frem	To		PERFORATION	<u> </u>
				Drilled Hole	Weight of Casing	(Feet)	(Feet)	Kind Size	From (Feet)	To (Feet)
				6" I.D.	6"1.D. 17 lb	22"	6114"	Size		(res)
-					per ft.	G.L.	0,14		none	i
-										
_										
-			=		N	8	tatic Wat	er Level	for non-flo	wing we
-				1		\neg			27	-
									Flowing W	
			W	,					per minut	
_									min. of fl	
							T Masks	a Afm	 Compress	
-							•		Hour	
	Lat 6	, all. 3 - Rencletto			8				king, cemen	
_	Place	_II S	W/4 NE	1⁄4Sec	25. T./2 R	in.O		-		
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	Doc. No.	301731		eres.	o represent	. 10		••••••	***************************************	•••••
-	Filed for this	ecord day of		***************************************					itinue on re	
	A. D. 19_ o'clock	70, at 04.0	0 1	J SE —If use	d for irriga	tion, ind	ustrial, dr	ainage or	other. Exp	plain, sta
_	O GOUR	PWI.		numbe tion).	er of acres an	a locatio	n or other	data (i.e.:	Lot, Block	and Add
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	Show exa	ct depth of botton	ı. "					************		
hie for	m to he prepa	red by driller, and th	ree conies	to be filed b	y the owner w	ith the			£.7	
County C		order in the county in					Drille ^	r's License	Number	
	-	stions. If not applic	eble, so	state, otherw	ise the form 1	will be	ين س	Henry	re. CAMP	41

Li received and filed this Instrument for second on the Judge of June 19.70.

at M. O.O. o clock P.M. bermanent files of Missoula County, Stare of Moneona Witness my hend:

Veramae R. Crouse, County Recorder By M. M. County Recorder Publication of the Publicat

	LOG F	TER RESOURCES OF THE SERVICE SERVICES OF THE S			OF MONT	ANA	, seen	la)
	Top of Ground	nation of the same	ADMINISTI OFF			idwatei Ngineer		
-	(Elev. above sea level		ice of C Appropri	ation	by Me	eans o	f Well	er
_	C to 4º Black Dirt	,	DEVEL O (Under Chap			UARY 1, ession Lav		
-	4' to 18' Sand &	Owner. Les	en Johnso		Addre	SS Mille	esoule,M r Creek 2 S. 14t	
-	gravel	Drill Gamp Y		ing A	Addre	ssM. 1,3. 9	suka.Mon	t
_	18' to 61%' Sand & wate							
_	61%' to 65' Sand, gravel							
-	& water	Type of well.	ortiled ug, driven, bor	ed or drille	Equipm	ent used (Chu	urn Orfl rn drill, rota	y or othe
_		Water use:	Domest Industri	tic 😫 M	unicipal [Prainage [] St	ock □ Im her □	
			on the diagra	ım the cha	racter and	– l thickness	of the diffe	
-		met with in e depth at which strata and he	ch water is e	ncountered	l, thicknes	s and char	acter of wa	ete. Sho ter-bearin
-		Size of	Size and	From	To		PERFORATION	<u> </u>
_		Drilled Hole	Weight of Casing	(Fect)	(Feet)	Kind Size	From (Feet)	To (Feet)
~	i	6"	6" I.D.	1' abou	e G.L.			
-	Doc. No. 288629 Filed for record this 10 day of 24440 A. D. 19 70, at 2:40		17# to	65, 50			none	i i
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-	A. D. 19 70 , at 2.40 0						<u> </u>	
_	·- /	<u> </u>	N	s	tatic Wat	er Level	for non-flo	wing we
_	:						lowing Wel	L
-				P	umping V at 100		el42 gal. per mi	
_		W		T D			min. of fl	
_]	 			low Tested	Comps	 '4440 <i>P</i>	
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_		place of use, small squar					**************	••••••
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	Ĭ	USE—If use	ed for irriga	ition, indi	istrial, dr. n or other	ainage or data (i.e.	other. Exp : Lot, Block	plain, sta and Ade
 	[]	numbe tion).	er of heres h	ia iociiio				
- - - -		numb	er of acres a			***********		·
-	Show exact depth of bottom.	numb	er of acres a				***************************************	

I received and filed this Instrument in record on the industrial of the industrial o

X

ferral to digner.

Court of the court

Top of Ground

DRILLER'S LOG

gravel, I shale, sandstone, etc. Show depth at which water is found and

height to which water rises in well.

(Elev. above sea level)

Indicate the character, color, thick-

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 o by the owner with the County	Clerk and	l Recorder	filed itv in	From (Feet)	To (Feet)	(Feet)		
which the well is located, last o	copy to b	e retained	by driller.	•	0	1	Black Dirt & Gravel	
Please answer all questions. If n form may be returned.	or applic	able, so stat	ie, otherwis	e the	7_	68	Clay and gravel	
- Palah Jandan			_		68	69£	Sand Gravel & Water	-
Owner Ralph Jerdan	1-	For Admir	nistrator's U	se				
Address 33 Virginia Dri	(ve	ile <i>226.</i> 5	,.3/545	i8				
Missoula, Mente		April 19,11						
Date well started Sept. 17,								
	Į.	3VV						
completed Sept. 19,	7971							
Type of well Drilled		g, driven, bored	2.771 - 41	********				
Equipment used Churn Drl		g, uriven, poreg	or annea)				· · · · · · · · · · · · · · · · · · ·	
	(C	hurn drill, rotar		_				
Water Use: Domestic.≱ Mur	nicipal 🗀	Stock [] Irrigatio	on 🗆				
industrial 🔲 Drainage	□ Ot	her □*	Garden/Lav	vn 🗀				
*Describe								
USE: If used for irrigation, inc	Justrial, d	rainage or	other. Ex	plain,				T -
state number of acres and			•					
and Addition),		••••••	• • • • • • • • • • • • • • • • • • • •	••••••				
ESTIMATED ANNUAL WITHDRAY	VAL			*******				1
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per ft. g.l.								
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	We	li developed	byte	atpump.	·			1
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	Ren	narks: (Grav	rel packing,	cementing				-
8		kers, type c		·····				1
SW 1/2 NE 1/4 Sec 25 T. 12 N R 20 E			.,		-	<u> </u>		-
S (V	(v	• • • • • • • • • • • • • • • • • • • •				<u> </u>		1
INDICATE LOCATION OF WELL			ISE, IF PO	SSIBLE.		· -		\cdot
EACH SMALL SQUARE REPRESE	NTS 40	ACRES.				<u> </u>		1
Driller's Signature	ii noi	IIING A	01112 QM1Q	WY	-		<u> </u>	\mathbf{I}
Dellada Midraea 4522 S.	1414	W. Mins	oula. Me	n tana		 		<u>1_</u>

_ Show exact depth of bottom

Frecaived and filed this Instrument for record on the 1.7. day of Grand 19.72 at 12.00.00 clock 17.30, parament files of Missoula Coanty. State of Montare Witness my nanc Varamos R. Cicuss. County theories By 27.700 company theories By 27.700 company theory of the State of the

DRILLER'S LOG

Indicate the character, color, thick-

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE MONTANA WATER RESOURCES BOARD

MAY 13 1971

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

	MONTAN	A WATE	R RESOL	IRCES BOAR	ED :	13	1971		of strate such as soil, clay, sand,	:
NOTI	CE OF CO	MPLET	ION O	F GROUN	NDWATE	R		gravel	, shale, sandstone, etc. Show	
	PPROPRIA					-	100	•	at which water is found and	3
				y 1, 1962		1	. •	height	to which water rises in well.	3
(Under C	hapter 237 A				. as amend	(ed)	Tan af	Ground		
	to be prepare								(Elev, abové sea level)	==-
DV THE OWN	SOF With the i	County	("lerb an	d December	in the cour	nty in	From (Feet)	(Feet)	Well: Rodeo Ranchette	
Which the	well is locate	d, last (copy to I	pe retained	by driller.		ــــ	4	bleck topsoff A gravet	
form may b	ver all questions returned.	ons. It n	of applic	able, so sta	te, otherwis	e the				}
72.4	erTJ.						-4	_105_	-tax-stay-&-gravet	
Owner	eri v :Des ::K n ud:	•0=		For Admi			-105-	-448	-yellew-elay-b-gravel-	
			į.		nistrator's U	se				
Address	1104 - Ota	rk…st.		ile 30	2479		-112-	-442.		
Missouta, Montana May 11,1971							-42	115	-tan-elay-A-gravet	
	7718300110	יייוסוייין	-cura	*************	. F. F				The stay at grant at	
Date well s	itarted Mag-	6y197	·#	GW 1	•••••		-416-	447	annd-gravet-A-water	
comi	nlated ac						447	420	- olay-and-gravel	
Comp	completed May 10, 1971								oray and yraver	
Type of we	iibrf-f	to4				•••••	120.	1251	51 sand-grave L. B. wetna.	
										
Equipment	usedChur.	n <i>O</i> r.1.(· 4 (0	hurn drill, rotar	y or other)	********				
	Domestic E		nicipal [
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indu	ustriai 🔲 🖸	rainage		her 🔲*	Garden/Lav	vn 🔲				
*Describe .										
	d for irrigat								ļ	
state r	number of ac	res and	location	or other da	ta (i.e. Lot,	Block		 	<u></u>	
and A	Addition)									
ESTIMATED	ANNUAL WI	THDRAV	VAL	***************************************	······					:
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Į.				Kind Size	From (Fest)	To (Fast)				i
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				<u> </u>						
	м		C4-4		اه	***		ļ		
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			at .		gallons	per minute,				'
		{		sured 4	minutes aft	er pumping				
w			beg ***	jan. easured fror	n around b	au ai		 		
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<u> </u>				narks: (Grav kers, type o		-		 -		
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Driller's Sig	nature	pul	P. S	1. 13. 4	MIN.			 -	 	1
				ING & PU				 -	†~~~]

_ Show exact depth of bottom

STATE OF MONTANA

DRILLER'S LOG ADMINISTRATOR OF GROUNDWATER CODE
MOUTANA DEPARTMENT OF INTERIOR the character, color, thickRESOURCES AND CONSERVATIONS of strata such as soil, clay, sand,
RESOURCES AND CONSERVATION OF GROUNDWATER

GEOGRAPHETION OF GROUNDWATER

The construction of the character of the charac

Top of Ground

depth at which water is found and height to which water rises in well.

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

							_		
(Under	Chapter	237	Montana	Session	Laws.	1961.	88	amended)

by the awn	or with the	County C	lerk and	Demorder	in the cour	tiled :	From (Feet)	(Feet)	Rodeo Ranchettes	
which the v	well is located ver all question	o, last co	py to b	e retained	by driller.		<u>Q</u>	_14_	Brown a Lov & aravel	
form may b	e returned.				,		.14_	24	Sand Grave L & Yater	
O	Peter Ode	aard	_				24	40	Grave L & Water	
			-		nistrator's U		_£Z.		ECHELB_HALV	
Address	221 E. Su	Xest	Fi	ile #2226	31198	Z	_42_	_44'	L" Gcovel & Water	
*************	Missyle,	Monta		1	1922 Ivil	1 1				
Date well s	tarted Jul	y 7, 1	971 G	W 1	•••••••					
com	pleted Jul	y 8, 1	971							
Type of we	11 <i>Dr1</i>	lled	(Dua	. drives, bored	Gr drilled)	*******				(*
Equipment	used Chu	rn Dri	11	nurn drill, rotar					ہ سا نہو دار دہ جہ شہ سا جہ کہ سا ہے ہیں ہے ہیں ہے ہیں ہے۔	
Water Use:	Domestic 🖪	Muni				on 🔲				
Indu	etrial 🔲 🏻 🖸	rainage [□ Oth	er □*	Garden/Lav	vn 🗆			ر جو خی دی روی شو باش خان سال این سر بی بی بی بی بی دی .	
*Describe .		***********								
USE: If use	d for irrigat	ion. Indu	strial. d	rainage or	other Ev	oleio				_
state r	number of ac	res and id	ocation c	or other da	ta (i.e. l,ot,	Block				
and A	ddition)		••••••	••••••••••	••••••	•••••••				
ESTIMATED	ANNUAL WI	THDRAW	AL							
Sino of Driffled Hote	Size and Weight of Casing	Free (Feel)	To (Feet)		ERFORATION					
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	LOCATION C LLL SQUARE				ISE, IF POS	SSIBLE.				1
	<u> </u>). <i>(i</i>		amp						1
Driller's Sig	nature() CAMP	WELL C	RILLI	NG & PUI	IP SUPFL	Y				1
Driller's Ad	dress 1522									

______ Show exact depth of bottom

¥3236

GW 2-	7		Approved	Stock Form	-State Publishing	Co., Helena, M	fontana-4564	2 4
File No	20-000-00-00-00-00-00-00-00-00-00-00-00-				Т	R	***********	07
DUPLIC	ATE		<i>a,</i>		County	_M	rosont	(2)
	ATE Log #Satana vai 드로 다 상	TIVE) Administi	STATE LATOL	OF MONTAL	na Water (CODR	:
	Top of Ground	Pari	OFF	ICE OF	STATE ENG	INEER		
	Top of Ground (Elev. above sea level. 5a225)) Not	ice of C	ompl	etion of	Groun	ndwate	er
					by Mea			
-			(Under Chap			- '		
- 1	0 - 2 top soil	a 11 a						
			yt R. Stor					
	41 - 40 44	Driller	rold E, Pi		Address.	3034 504		LEPOLIA
_	ng - 10 gravel 4 sand		ce of appropri		•		• .	
-	•		rted					1
-	10 - 25 cept & water	Type of well	drilled ug, driven, bor	ed or drill	Equipment	t used	drill. roter	y or other)
	1.11 = 1	Water use:			Iunicipal 🔲		_	rigation 🔲
		Indicate	Industri on the diagra		Drainage 🔲 aracter and ti	Othe hickness of		rent strata
_	25 - 45 sent grevel &	met with in depth at whi	drilling, such ich water is er	as soil, counter	clay, shale, gr ed, thickness s	ravel, rock ind charac	or sand,	etc. Show
	Va So 2	strata and he	eight to which			well.		
-	45 - 49 roddish brown	Sine of Drilled Hele	Rise and Weight of Cusing	(Fost)	(Feet)	First I	Frem	To
-	oley no water	5 inch	Sine Ie		72	Stor.	(Feet)	(Feet)
			per ft.	İ	-			
	49 - 60 sent & weter		,	}		1		
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_	60 = 67 gravel & water		<u> </u>		Static Water	Level fo	r non-flo	wing well
				- ,	Shut in Pressu	re for Fig.	wing Well	L
_	•] ;	Pumping Wa	or Level.	io et et	toot
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-		X			Discusige in	Service Der II		
	1 .				How Tested	esupres	.	**************
		<u> </u>			Length of Tea Remarks (Gr	•	,	ting neek.
-		£ kik.1/4Sec.	ა √ ~ 1.7 ¤		ers, type of sh			
-		Indicate loc	ation of well, if possible.	and .		************	************	***************************************
-			re represent				*****	*************
	,	*************************		********	······································		*************	*****************
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-		numb	ed for irriga er of acres ar	tion, inc id locati	lustrial, drair on or other d	nage or of ata (i.e.: I	iher. Exp Lot, Block	plain, state and Addi-
-		tion).		••••••	***************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
-	Charm award daugh of baddan.	***************************************						********
<u> </u>	Show exact depth of bottom. 57 ft. from top of ground			····		**********	•••••	***************************************
This for	m to be prepared by driller, and three co	ories to be filed 1	y the owner wi	ith the	************	72		***************************************
County (Clerk and Recorder in the county in which by driller.				Driller's	License N		
	inswer all questions. If not applicable,	so state, otherw	rise the form v	will be	Zai	Signature	X. 02	chens

45,228

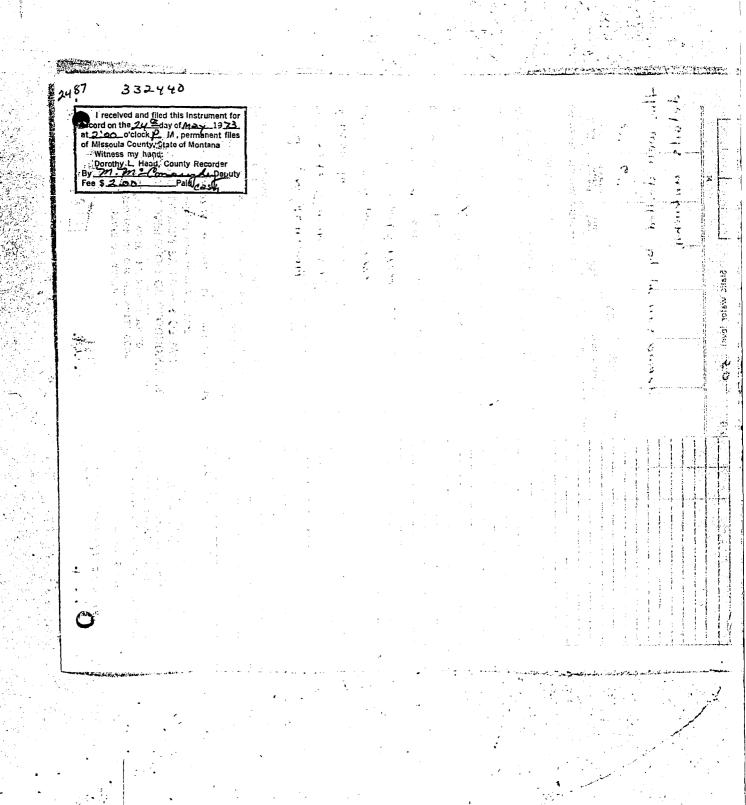
County Missoula

MAY 2 9 19/3

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODERTANA DEPARTMENT OF NATINESS OF Strate such as soil, clay, sand,
MONTANA WATER RESOURCES BOARD RESOURCES AND CONSERVATIOGRAVE, shale, sandstone, etc. Show
depth at which water is found and height to which water rises in well.

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

(Under C												- 2
(0	napter 23/ N	/lontana	Session L	aws, 1961,	as amende	ıd)	Top of	Ground	 (Elev. abo	ve sea level)		
by the own	o be prepare er with the well is locate	County (Clerk and	Recorder i	n the count	filed ly in	From (Feet)	To (Feel)	 			
Please answ	er all questic					the			 			
torm may r	e returned.			 ,					 			
Owner (30	ry W. St	euen	watel [For Admir	nistrator's Us	ie			 			
Address #0	ute 5, 1	Miller	···Crk Fi	il <i>e2.40.1</i> j.5	552440				 			
	sa la			•		1			 			
Date well s	started Aug	ust t	.1 973 G	sw 1 . <i>2:0</i>	opm.				 			
completed August 5, 1972									 			
Type of we	ان بل ےا	v ≪ γ1	(Dug	, driven, bored	or drilled)	******			 			
	usedpi								 			
	Domestic 5								 			
Indu	ustrial 🔲 🗀) Drainage	□ Oth	ner []* (Garden/Law	n VZ			 			
	***************************************					X			 			
USE: If use	ed for irriga	tion, inc	dustrial, d	irainage or	other. Ex	plain,	ļ		 		—т	
state	number of ac	res and	location o	or other dat	ta (i.e. Lot, i	Block			 			
and A	Addition)			***************************************		······			 			
ESTIMATED	ANNUAL W	ITHDRAV	NAL	******					 			
Size of							1					
Size of Drilled Hole	Size and Weight of Casing	From (Feet)	(Fest)	P	ERFORATIONS				 			٠.
Hole	Weight of Casing	From (Feel)	To (Fest)	Kind Size	ERFORATIONS From (Feet)	To (Feet)			 			
Drilled Hole	Weight of Casing	From (Feet)	To (Fest)	Kind	From				 			
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e'' his we	Weight of Casing	(Fed)	by p	Kind Size	From (Feet)	To (Feet)						
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this we	Weight of Casing	(ed)	Stati Pum af mea beg *Me Wel for Pow Rem pacl	ic water leveloping water leveloping water leveloped seasured from a developed seasured from a d	rel	ft.						
his we detoil	Weight of Casing	nown	Stati Pum af mea beg *Me Wel for Pow Rem pacl	ic water level ping water law is an increase in the control of the	rel	ft.						
his we details	Rode of R. LOCATION ALL SQUARE	nown	Stati Pum at mea beg *Me Wel for Pow Rem paci	ic water leveloping water lands water developed water lands water	relgallons p minutes after m ground let d by Anter hours. Pump. W. rel packing, of shutoff)	ft.						
his we details	Rode of R. LOCATION	Renches	Stati Pum at mea beg *Me Wel for Pow Rem pacl	ic water level ping water land. Beasured from land developed. Wer	rel	ft.						



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THIS.	No
PHA	NO

T 12 N. R County Missoula

DUPLICATE
MONTANA WATER RESOURCES BOARD

RECEIVED

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

	•			
	Ruby A. Baldwin	of	Route #3,	Missoula
	(Name of Appropriator)	•	(Address)	(Town)
ounty of	Missoula opriated groundwater accordi	State of	Montana	
we explor	obusted Richttgaster, accordi	ik m ma montana isa	As III effect briot to 9	anuary 1, 1802, as lonows:
	N			Vougo
		2. The beneficial use	on which the claim is	based House n
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	4 6
		3. Date or approxim	ate date of earliest be	neficial use; and how continu
			_	esent
	E			······································

				(in miner's inches or gallon
		-		inute
		***************************************	***************************************	***************************************
		5. If used for irriga	ation, give the acreage	and description of the land
الا يمرو	* Plat C			name of the owner thereo
1/4 S	Plat C lec 26 T12 R 20			······································
cate po	int of appropriation	***************************************	***************************************	
_1	or abbrokermen			
piace or	use, if possible. Each	6 The means of wit	hdrawing such weter	from the ground and the loss
ll square	use, if possible. Each represents 10 acres.		_	from the ground and the loca
II aquare	represents 10 acres.	tion of each well of 1/4 H. P. I	or other means of with	drawal. Casing
The didrawal The dep So far works fo	ate of commencement and comof groundwater	pletion of the construct 39 pe, size and depth of ter 6" casing	or other means of with	drawal
The dedrawal The dep So far works for	th of water table 20 feet as it may be available, the type the withdrawal of groundwater 40 feet in depth	pletion of the construct 39 pe, size and depth of ter casing withdrawn each year.	each well or the generation of control of the second of th	drawal
The dedrawal The dep So far works for	ate of commencement and comof groundwater	pletion of the construct 39 pe, size and depth of ter casing withdrawn each year.	each well or the generation of control of the second of th	drawal
The dedrawal The dep So far works for	ate of commencement and comof groundwater	tion of each well 1/4 H. P. I	each well or the generation of available	drawal
The dedrawal The dep So far works for	th of water table	tion of each well 1/4 H. P. I	or other means of with Pump 6" (tion of the well, well each well or the generation of the the gener	drawal

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.

THE WALL ST.

3dleso

C. fock in depth, 6

G₩	2,	

Approved Stock Form-State Publishing Co., Helena, Montana-42329

File	No

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- DUPLICATE

MONTANA WATER RESOURCES BOARD RECEIVED

County Missoula

-	-	_
т.	n	и.

JUL 28 1969 STATE OF MONTANA
OFFICE OF STATE ENGINEER

	Top of Grou	10.	JUL 20 150.	OFF	ICE OF	STATE E	NGINEER
	(Elev. above	sea level 3180	Not	ice of C	omple	tion c	of Groundwater
- [<u> </u>					eans of Well
. [Formation:	s Log:					UARY 1, 1962
- 1	0 - 1	2 Black dirt.					Session Laws, 1961)
.	11/2- 8	Grave1		, chuck Onap	LCI 201, 1	LUIIVANG K	Jessiuli 114 ws, 1301)
1		mixed in tan silt.	Owner COM	tv of Mi	ssoula	Addro	esMissoula, Montana
_	8 - 14		5 (7.2-5-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-				
. 1		sand with a		-	_		ss.Missoula,Montana
- 1	:	few scattere	Date of Noti	ce of appropr	istion of	groundw	terNone.filed
- [14 - 21	Gravels.			_		
-		in tan silt.		rted 3/.1.9	/09	Date	completed 6/30/69
- I	21 - 24		Type of well	Drille	d	Equipm	ent used Cable Tools
_		coarse gray		n, bored or dri		(Churi	drill, rotary or other)
_	24 - 30	sand. Gravel mixed	Water use:	Domestic	_		Stock Irrigation
-		in tan silt.	•	Industrial	_	inage 🗌	Other 🗆
-	30 - 3 6		not with in	on the diagra	m the cha	racter and lav. shale	d thickness of the different strata, gravel, rock or sand, etc. Show
-		gray sand and gravel.	depth at whi	ch water is er	acountered	l, thickne	ss and character of water-bearing
- i	36 - 43		strata and he	eight to which	the wate	er rises in	the well.
_ ,		in tan silt.		Size and Weight	From (Feet)	To (Feet)	PERFORATIONS
_ 1	43 - 52	Gravel imbed ded in tan	1- Drilled Hole	of Casing	(1000)	(4'000)	Kind From To
		silty clay.	18"	18" OD x	+2	117	An 18 inch telescope
_	52 - 71		2 d	70.59 1b	•		size type 304 Stain-
		with some co		per ft.			less Steel Wire Wound
- 1	71 - 77	gravel mixed Brown clay.	ı in.]	j	Johnson Well Screen is set 117 137
	77 - 82		CSO		ł	,	A tailpipe with solid-
_		gray sand w	Lth	:		l	ly closed bottom
_		a few grave: mixed in.	Le	N	. 64	atic Wat	ter Level for non-flowing well
_ 1	82 - 87		rse		—ე "	mic wa	21½ feet.
_		tan sand mi			_,	Laut In Thur	_
_		with fine to			1		ssure for Flowing Well
-		coarse grave			l P		Vater Level66feet 20 gal. per minute.
-		and some tax			E _		
- 1		silt.		1 1	ע	iscnargo :	in gal. per min. of flowing well
_	87 - 91	. Fine to coa: gray sand	rseX			· pp	Non-flowing
_]		mixed with			1		AirLiftPump
		coarse grav	01				Test72 hours
_		and cobble-					(Gravel packing, cementing, pack-
-	91 - 92		Lake View Su.¼ Sec	Addition 26. T.1.2N	Roous		shutoff)toppfthe.
		sand.	Tridianta las	ntion of mal	1 7 7 7	cker v	is fitted with a lead which is tightly swage
-	92 - 96		prace of use	, ii possible. re represent	s 40 to	-the	naide of the 18 inch
		sand and tan silt	acres.		C.I	ssing	Three inches or con-
_		mixed with	crete g	from the	place	arow table	nd the eighteen inch back to surface.
		gravel and	***************************************				(Continue on reverse side)
_	06 - 100	cobblestone Fine to coa	USE—If us	ed for irriga	tion, indi	istrial, di	ainage or other. Explain, state
-	96 - 102	brown sand.	rsu numb	er oi acres ai	id locatio	n or other	data (i.e.: Lot, Block and Addi-
-	102 - 10		_		nMd.e	raula	County
-		cont'	d		<u></u>		
	Show exact	depth of bottom.					
	Bottom	of well 154			**************		

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

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

Driller's License Number

Driller's Signature

Freceived and filed this in it on the Ltd Edgy of June 1, 200 o'clock. A. M. per of Hissoula County, Stare of M. Witness my hand. Veramee R. Crouse, County By M. M. M. Crouse, Park. M. Pater S. 700 June 1, 1921

Paid (

4 ses in the well 21.6" from surface. Casing Log: Broken argillite. Argillite and limestone boulders. Argillite and limestone boulders. Coarse sand, fine Fine to coarse tan sand, gravel and cobblestones. large boulders. to coarse gravel, cobblestones and few

eighteen inch casing from the water table back to surface. oD by 3/8 inch Wall Black Steel Water Well Casing. tends from 137 to 154 drive shoe is welded to the bottom of casing. An 18 inch telescope casing. a lead packer which is from 117 to 137 feet. size type 304 Stainless Steel Wire Wound Johnson Well Screen is set Well cased from two feet above surface to 117 feet with 18 inch Three inches of concrete grout was placed around the feet. The top of the screen is fitted with tightly swaged to the inside of the 18 inch A tail pipe with solidly closed bottom ex-A forged steel

Water Log:

with 58% feet of drawdonw. This is a specific capacity of 36 gallons per minute per foot of drawdown. Pumping level at 1600 gallons per minute was 66 feet. Static water level at completion was 21% feet erties. Results of bacteria test by Missoula County Health Department 1/10 of one part per million from surface. well produced 2000 gallons per minute of clear sand free water tive. Chemical analysis of water showed 11 grains hard, iron, PH Nuetral and no undesirable prope

PLIC!	ATE	ECEIVED			Correte	Miseuda	-,-
LILOE		MAY 1.1 1970		STATE	Ounty OF MONTANA		A
	rog			TRATOR O	F GROUNDW	ATER CODE	
	Top of Ground				STATE ENGIN		
	(Elev. above sea level) No				Proundwate	er
IL.	well pit		Approp	riation	by Mean	s of Well	
5,	ACTT by				TER JANUAR		
, †	tan clay, sand		(Under Cha	pter 237, 1	Montana Session	n Laws, 1961)	
591	& gravel	OwnerNQ	MAN DAY		Address R1		KONTAN
59 1 10 1	sand, gravel					558 So.5th.	
11	& water	DrillerA	MA" WITTHING	rio Wri ald	MIS	SSOULA, MONT	PANA
" †	• • •	Date of No	tice of approp	riation of	groundwater	······································	•
		Date well s	tartedAUG	us t 27.,	68Date comp	leted.AUG.27.	58
. I	•	Type of we	n 4rill	ed	Equipment v	sedchurn	
_			Dug, driven, bo	ered or drille	sd)	(Churn drill, rota	ry or othe
	•	Water use			unicipal 🔲 Orainage 🔲	Stock 🔲 Im	rigation
_ [te on the diag	ram the ch	racter and thic	kness of the diffe	
						rel, rock or sand, I character of wa	
_					r rises in the w		
.		Size of Drilled	Size and Weight	From (Foot)	To (Feet)	PREFORATION	1
-		Hole	of Casing			ind From	To (Feet)
. 1		6"I.D.	6-5/8*		38 ft.		
			0.D. 17 lbs.	10020			
			in side	Tevel	1)	
- [•		wall				ļ
. 1						_,	ļ
- 1			N	8	tatic Water I	evel for non-fic	wing w
.						2	
- 1						for Flowing Wel	
. [_			l P	-	Level33	
-	Doc. No. 29/07	<u>'9</u> "		┪╸╷		gal. per min. l. per min. of fl	
.		nort			menter be tit Ke		
-	filed for record this 7 day of 2 A. D. 19 20, at	11:50		F	low Tested.ba.	il & test p	ump
.	o'clockini.	<u> </u>				2 hours	
-						el packing, cemer	
•		N/ Sw1/4	ed.6 T/21.	Kuite.W.		off)	
- [Indicate landicate landicate of u	ocation of we se, if possible	ell and . Each		***************************************	
•		small squ acres.	are represen	nts 40 "			
-			*******************				
.						(Continue on re	
-		USE—If	used for irrig	gation, ind	ustrial, drainag	ge or other. Exp	plain, sta
_ [tion		anu lucalio	T OF STREET CHEES	ı (i.e.: Lot, Block	. вич АС
		***************		***************************************		***************************************	······
•	Show exact depth of l	nottom.		*************		***************************************	······
الصحد	MANA OFFICE REPORT OF I	······				•••••	

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

Henneth 1 William Driller's Signature.

Ct 1486

I received and tiled this Instrument fur
record on the Jacob of Many 19 10
at 15 0 o'clock M perindren files
of Missoula County, State of Manana
Witness my hand
Coramae R. Change County Recorder
By M. William Manana
Free S. 2000 County Recorder

Tile	No	

RECEIVED

DUPLICATE

MAY 1 1277

County Missoula

	IO)G		Administr		P MONT		GODB .	
:	Top of Ground						NGINEER	LODE	
-	(Elev. above sea l	Approx.	Noti	ice of C	omple	tion c	of Grou	undwat	er
<u> - </u>	`			\ppropri	-	_			
-	Formations]	Log:	-	DEVELO	PED AF	TER JAN	UARY 1,	1962	
		irt with	(Under Chapt	ier 237, 1	Iontana S	Session Lav	vs, 1961)	
-		ome broken ock mixed				-			
<u> - </u>		Der Hilber	Owner Mr.aR	renara K	ossign	O.A.Addre	88 LOIO,	MODIAL	i.a.
-		ark gray	Driller. L1be	rty Dril	ling C	• Addre	ss. Misso	ula, M	ntana
	84 - 209 L		Date of Notic	e of appropr	iation of	groundwa	terNOM	filed,	
L		ith white	Date well star	ted 3/31/	70	Date	completed	4/10/70)
		gams.	Type of well	Deilled		73	1	ir Rote	FY
	209 212 L	nd tan	(Dug, Driver	, bored or dril	led)		ent useae drill, rotar		
		olored rock	Water use:	Domestic Industrial	_	icipal [Stock Other		ation 🖺
		ltormate	Indicate	on the diagra	-	-			mont strate
	212 - 264 L		met with in d	irilling, such	as soil, c	lay, shale,	gravel, ro	ck or sand,	etc. Show
_	r	ock. Seeps	strata and he					BCICI OI WA	rer-neuturg
	264 - 502 L	f water.	Size of	Size and	From	Te		ERPORATION	
L		nd light	j)rMed Hole	Weight of Casing	(Feel)) (Feet)	Kled	From	Te
		rown rock	10%*		0	25	Albe	(Feet)	(Fost)
		in alternate Layers.	10%			-,	}	{	
	1	rotal water	8#		25	302	*	0 #	12
	302 - 382 I	LG GPH	6"	;	302	382			
-		rock with]	
F		mite seams.		6 5/8"	+11/4	502			
-		rotal water 50 GPM		N	8	tatic Wat	er Level		wing well
-									Qfeet.
\vdash								lowing We	
H					P		_	28	
-	Water rise	s in well	*		⊢ " "		_	. per minut	
-	180 feet fr	rom surface.	x) D	ischarge i	n gal. per		owing well
—					17	out Toste	A4# T		D
- .		10		_1				Dura	
- <u> </u>	oc. No. <u>29075</u> Sed for record			6		-			ting, pack-
- i	is	april			61			Hall wa	
L /	D. 19 70, at_		MM 1/AMMSec		CMMP			the ou	
L	clockM.		place of use,	if possible.	Each o			h casin	_
			small squar	e represenu		Ofeet	to 140	_fest_w	1th
			8.9.Y.R.X						
Γ	1		from cr	acks and	STAME	in th	(Con	tinue on re	verse side)
			USE-If use	d for irrigat	tion, indu	utrial, dr	ainage or	other. Ex	plain, state
r	Ī		numbe tion).	r of acres an	d location	n or other	data (i.e.:	Lot, Block	and Addi-
	I		***************************************	**************	**********			***************************************	
	1			***********					
	Show exact depth	of bottom.	***************************************		******	****************	************		·
	Bottom of w	ell 382 ft.							

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

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

Driller's License Number

Driller's Signature

G. Callona Jufol

rock below 302 fee

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Ö

oblican abilitana betaca har

DRILLER'S LOG

depth at which water is found and

height to which water rises in well.

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show

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

	-			laws, 1961,			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. Please answer all questions. If not applicable, so state, otherwise the form may be returned.								-Brown-Ulay-E-Gravet-		
torn may be returned.							5-	-27-		
OwnerRichard Rassignat For Administrator's Use							- 2	-36-	Tan-Glay, Gravet i	
Address	a.la	antona.	F	112526	333912	2	-23	42-	Ten oley & Broken Rec	*
ber est succession	••••••••••	************		June :	25, 19	Z 3	-42- -	-61-	-Broken-Asek-&-Weter-	
Date well	started dan a	32,1.	9 23	₩1 <i>3</i>	22 ₅ ,	s				
com	pleted Jan	241.	973	· <u>···</u> ·····	•••••				~~~~~~~~~	
Type of w	allDef.	Llad	(Thu	s, driven, bored	ne delladi					
Equipment	veed Chia	nnDe.i.i.	LL	hern drill, rotar		*******				
	Domestic			Stock ⋤						
		_	, –	_		-				
ind	ustrial 🔲	Drainage	Oil	her 🗆*	Garden/Lav	vn 🗆				
*Describe									وي څخه ښاه چې پيل ويه شاه هي څخه شاه خپې دي چې چې چې چې د	
USE: If us	ed for irrig	gation, inc	dustrial, c	drainage or or other da	other, Ex	plain, Block				
	•									
ESTIMATED	ANNUAL	WITHDRAN								
Size of Drilled Wate	Sine and Weight of Curing	(Feet)	(Feet)		ERFORATION	8				
6"10	6"10	116"	82'	Kind She	From (Foot)	To (Feet)				
• 10	17 16	above	47	Burnt	41	51				1
5*10	per ft. 5*ID	20 l.	51'							
liner	14 16									
	per 1t.	Ì		ł			<u> </u>			į
اسيوالميي										į
	<u> </u>		Cons	ic water lev	a.s	64 4				
		1 1		ping water						
frank				10 sured ea						ļ
			beg	•	minutes att	er pumping				li
*		1	*Me	asured from	n ground l	evel.				
	- 1			developed		ייייינוויוים ב	·	-		
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	NW 4 s			····		•				. ;
ſ/ . ?	١ <u>N</u> R	<i>.20h).</i> <u>E</u>	·····			••••••		 		
INDICATE	LOCATION	OF WELL	L AND P	LACE OF I	SE. IF POS	SIBLE				'
	INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRISERY'S 10 ACRES 1							<u> </u>		} :
Driller's Si	onature	J/h		Bakk	re					1
CANT WELL DRILLING & FUNT SUFFLY										
Driller's A	ddress1.5.	<u> 2251</u>	úth,	11666	•	enu 598 01	 	L	Show exact depth of bottom	
				LICENS	NO. 7			-		

I received and filed this instrument for record on the 15 day of 1978 at 1978 o'clock 2 M. Permanent files of Missoula County, State of Montana Witness my hand:

Dorothy L. Head, County Recorder By 1978 o'clock 2 Deputy Fee \$ 2.00 V. Palf

il E

£ ...

County.

File No.

T 12 N R 20W

DUPLICATE

ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Missoula D)ECEI

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

•	Date of Appropriation of Groundwater. April 1944
gia va va ca.	Owner Richard Rossignol Address Lolo, Montana
	Contractor (if any)
	Address of Contractor
	Date Started. 4/1/44 Date Completed. 4/30/44
N N	Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to
Hirning 11 10 1	water when applicable Building dam; also used as roadway-
Land	Using two 36" concrete pipe with gates to
	control depth of water in pond. Sub-irrigating
w	land indicated in red
	Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent
	estimate approximate lengths of periods of use
	Water in elough raised app. 3'
Indicate point of appropriation and place of use, if possible.	Used year around - irrigation in summer
Himm Railroad	stock water in winter
Pond	
Dam and road	
Land Irrigated	Signature of Owner fichael Possagna
	Date September 21, 1962

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

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

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

Phys

Magana .. I see

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		J 1/2
ile No		T 12 P 20
UPLICATE		County Missaula
Decla	STATE OF MONTANA MINISTRATOR OF GROUNDWATER OFFICE OF STATE ENGINEER Aration of Vesled Groundwater der Chapter 237, Montana Session Lav	Bights 1902
School Distri	ct No, 7 1, of	LoLo
County of Missau L have appropriated groundwa lows:	A State of Moter according to the Montana laws in	Lo Lo (Town) **TANA effect prior to January 1, 1962, as fol-
N N	2. The beneficial use on whi	ich the claim is based WATER
	3. Date or approximate date tinuous the use has been or 1920 - 110.	of earliest beneficial use; and how con- Approximates, 1919 Socotomers, 1919 Socotomers, 1919 Socotomers, 1919 Socotomers, 1919
	per minute)	er claimed (in miner's inches or gallons
W.14 See T/2" R 2-0	5. If used for irrigation, girlands to which water has ther of 50 700	te the acreage and description of the been applied 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 withdrawin location of each well or o	g such water from the ground and the ther means of withdrawal PMA ON WEIL- ST COTNER SCHOOL SILE
7. The date of commencement, drawal of groundwater .W.	and completion of the construction of t	the well, wells, or other works for with-
	Approximately 40'	
9. So far as it may be available other works for the withdray ToT2 Depth -	, the type, size and depth of each well of groundwater	ll or the general specifications of any
The estimated account of	oundwater withdrawn and wan	600 and dalland
The estimated amount of grant of the log of formations encount of the log of formations encount of the log of the lo	stered in the drilling of each well if av	600,000 galland allable Unionestidated
	1	······································
	similar nature as may be useful in carr	rying out the policy of this act, including
	Signature of C	owner School District No Covery- Clerk Date June 14, 1962
•		Date. 4

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.

918.

The Cartier of the Hand

104 Try Tell 1-112

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Palling bil

TYPE DE HINT HARRY

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Tracket Sand Tracket

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GW 2		*	Approved	Stock Form-	-State Publishing	Co., Hejena,	Montana—39318	
File No	***************************************	•			T.	12,0	2200	21
DUPLI	CATE					ounty M 1		*****************
			ADMINIS'	STATE RATOR (OF MONT OF GROUN	DWATER		/EM
	Top of Ground		OF	FICE OF	STATE E	HGINEER		
	(Elev. above sea level) l	Notice of	Compl	etion o	f Grou	Hawat	964 91
O.			Approp	ria <u>tion</u>	by Me	eana ef	EWENG	INEER
51 51	Silty Sand		(Under Ch	apter 237,	Montana S	ession Law	s. 1961\	
		Owner	John Hirn	ing	Address	أسفسف	Hontana	
101	Sand Gravel Clay	Driller	John Far	rell	Address	Arle	e Monte:	38
16°	Gravel Water		Notice of Appro				******************	
16"	and an angen		ell started.	_				
281	Silty Clay Sand							
_281		(dug, d	well Drill driven, bored or	eg		ent Used , drill, rotary		
~ 24	Sand Fine Gravel Wa			.	other)			
.34° .78°	Heaving Sand Water	Water 1	Use: Domestic Industrial	-	nicipal 🔲 ainage 🔲	Other [Stock [_	igation 🗌
781	DOMATTR DOMEN METAR.	Tel Inc	dicate on the di	agram the	character	and thicks	ess of the	different
80	Gravel Water	strata n	net with in drilli epth at which w	ng, such a	s soil, clay,	shale, grav	el, rock or	sand, etc.
			strata and heigh					OI WENCE-
<u> </u>	==	Size of	Size and	From	To			
		Drilled Hole	Weight of	(Feet)	(Feet)		ERFORATION	
-		Store	Casing		1	Kind	From	To
-		6n	6" 14.97#	01	801	Kind Size	(Feet)	(Feet)
-		1		01	801			
1111	·	1		0*	801			
		1		0*	801			
	_	6"	6" 14.97#			Size	(Post)	(Feet)
	=- N	6"				Size	(Post)	(Feet)
	N N	6n St	6" 14.97#	for non-fl	owing Well.	Size	(Post)	(Post)
	N N	St. Sh	6" 14.97#	for non-flowing	owing Well	Size	(Post)	(Feet)
	N	St. Sh	6" 14.97# atic Water Level	for non-floor Flowing	owing Well	Size	8	(Feet)
	N N	St. Sh. Pu	6" 14.97# atic Water Level aut-in Pressure f	for non-flowing velvel of min. of	owing Well	t at	(Post) 8	feet.
		Sta Sh	6" 14.97# atic Water Level aut-in Pressure f amping Water Le scharge in gal. p ow Tested	for non-flowing vel per min. of mp	owing Well	t atth of Test.	8 8 50 gal. p	feet.
		Sta Sh	atic Water Level aut-in Pressure famping Water Lesscharge in gal. pow Tested	for non-flowing vel	owing Well	t atth of Test.	(Feet) 8 50 gal. p 1 Hornor ype of shu not at well	feet.
		Sta Sh	atic Water Level aut-in Pressure f amping Water Le scharge in gal. p ow Tested	for non-flowing vel per min. of packing, place of u imilar per	wing Well	t atth of Test. packers, t. dwater if	50 gal. p 1. Hou	feet. feet. feet. feet. feet. feet. feet. feet.
	w	Sta Sh Pu Di E Ho	atic Water Level aut-in Pressure f amping Water Le scharge in gal. p ow Tested	for non-fle or Flowing vel	well	t atth of Test. packers, tidwater if ormation, irigation)	50 gal. p 1. Hou	feet. feet. feet. feet. ar atoff, loca- l, and any number of
	S NR. 4 NR Sec. 27. T.12. I Indicate location of well	Stu Sh Pu Di E Ho	atic Water Level aut-in Pressure f amping Water Le scharge in gal. p ow Tested	for non-fle or Flowing vel	well	t atth of Test. packers, t. dwater if	50 gal. p 1. Hou	feet. feet. feet. feet. ar atoff, loca- l, and any number of
	SE 1/4 NE Sec. 27. T.12. I	St. Sh. Pu Di E Ho	atic Water Level aut-in Pressure f amping Water Le scharge in gal. p ow Tested	for non-fle or Flowing vel	wing Well	t atth of Test. packers, tidwater if ormation, irigation)	50 gal. p 1. Hornor of shu not at well neluding r	feet. feet. feet. feet. feet. feet. feet.
80*	s NE. 4 SE Sec. 27. T.12. I Indicate location of well place of use, if possible. small square represents 10 a	St. Sh. Pu Di E Ho	atic Water Level aut-in Pressure f amping Water Le scharge in gal. p ow Tested	for non-fle or Flowing vel	wing Well	t atth of Test. packers, t, dwater if rmation, i	50 gal. p 1. How ype of shu not at well neluding r	feet. feet. feet. feet. feet. feet. feet.
	SELVANE Sec. 27. T.12. I Indicate location of well place of use, if possible.	St. Sh. Pu Di E Ho	atic Water Level aut-in Pressure f amping Water Le scharge in gal. p ow Tested	for non-fle or Flowing vel	wing Well	t atth of Test. packers, t, dwater if rmation, i	50 gal. p 1. How ype of shu not at well neluding r	feet. feet. feet. feet. feet. feet. feet.
	s NE. 4 SE Sec. 27. T.12. I Indicate location of well place of use, if possible. small square represents 10 a	St. Sh. Pu Di E Ho	atic Water Level aut-in Pressure f amping Water Le scharge in gal. p ow Tested	for non-fle or Flowing vel	wing Well	t atth of Test. packers, the dwater if formation, in rigation)	(Feet) 8 50 gal. p 1. Hornor at well neluding r	feet. feet. feet. feet. feet. feet. feet.

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.

Distrance

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STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

RECEIVED DRILLER'S LOG

Indicate the character, color, thickrespectively. Indicate the chara

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session	Laws, 1961, as amende	RESUURCES FAILS	Ground	(Eler, above sea Jevel)
This form to be prepared by driller, a by the ewner with the County Clerk as which the well is located, last copy to	nd Recorder in the count	filed From	To (Feet)	Black dirk and
Please answer all questions. If not appli		1	 -	ELEAST THE SUB
form may be returned.		1'	67'6	Ten clay, sand and
Owner CHUCK DOUGLAS	For Administrator's Us	8776	10 10 10 10 10 10 10 10 10 10 10 10 10 1	Sand gravel and
MORMON CREEK RD.			8812	neset.
LOLO MONTANA	File 3323; 2448	·····		
***************************************	19,1973		 	
Date well started MAR.26, 1978	GW 1 9:36 A.M.			
completed PR.2, 1973			+	
•				int.
Type of well DRILLED	Dug, driven, bored or drilled)		 	#C
Equipment used			<u> </u>	97.6. -27.6.
902	(Churn drill, rotary or other)		+	:24
water Use: Domestic A Municipal	Stock I Irrigatio	on 🗆 🗀 ———		784
Industrial 🗍 Drainage 🗍 C	Other 🗆 * Garden/Law	/n 🗀 🗼 🗕 🖚		, 24°°
*Describe	***************************************			
USE: If used for irrigation, industrial,		1		\$4%
state number of acres and location	or other data (i.e. Lot,	Block	 	
and Addition).	*******************************			
ESTIMATED ANNUAL WITHDRAWAL		ļ	╁	
Bize of Sine and From To Drilled Weight (Fost) (Fost)	PERFORATION			
*I.D. 6-5/8"0D ground 6812	1	(Feet)		
17 lbs. level	none non e	none	 	
wall.			+	
				
1 1			+	
				n ₂
N St	atic water level55	ft.*		
Pi	imping water level	BOfr.*		
at m	gallons pgallons pgallons p	er minute,	+	
be be	egan.			
	Wessured from ground le Vell developed by			
	r 🧸 hours	<u>,</u>		
P	ower 220 Pump 5, emarks: (Gravel packing,	HP	┼	
	sckers, type of shutoff)			
11E SE				
NE 4 SE 4 Sec 33 T. 12 DR 20 E				
s			7	
INDICATE LOCATION OF WELL AND	PLACE OF USE, IF POS	SSIBLE.		
EACH SMALL SQUARE REPRESENTS 40	LWilliam			
Driller's Signature	7711 11.	.		<u> </u>
Driller's Signature	J. William	·······	1	ļ
Driller's Address 1558 So.5th.		NTANE	t.e	

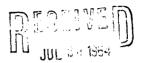
File No.....

DUPLICATE

T___12 N _____20 N ____

County...Missoula....

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER



Notice of Completion of Groundwater Appropriation Without Well STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

•	Date of Appropriation of Groundwater1946
	Owner.AlfredHendrickschidress 2010, Montana
	Contractor (if any)
	Address of Contractor Sone
	Date Started1946 Date Completed1946
N N	Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicablesome waste water originates in borrow pit of Lewis & Clark highway and seepage water accumulates to a small flow of water that empties into joint ditch owned by Earold Euroy and Alfred Hendricksee
	Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent
1	estimate approximate lengths of periods of use
Indicate point of appropriation	about 300 inches used by both Euroy and
and place of use, if possible.	Hendricksen from April through October of each year.
	Signature of Owner affect Gundisteen
	Dategaly 8,1964

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

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

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

I received and filed this Instrument for record on the S. go of Life, 1963, at M. formand lifes of Missoula County, State of Montana Witness my hand:

Verance R. Crouse, County, Recorder Dy. Many Period

Fee S. Parkett Production of Parkett Product Recorder Reco

and the second

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1. · 2:

SECTION OF THE PROPERTY OF THE

File No.....

T...12 R. 20 W.

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JUL 20 1964

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

	. 						٠	Date of Appropriation of Groundwater1946
								Owner Zurold Kuney Address Missoula Montana
		•				<i>t</i> +		Contractor (if any)
						*		Address of Contractor
		•	;	1				Date Started1946
				N			7	Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to
							-	water when applicable some waste water originates in borrow pit of Lewis & Clark highway and seepage water accumulates to a small flow of water that empties into joint ditch owned by Harold Kiney and Alfred Hendricksen
v		×						
							-	Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent
	L			s	<u>ا ا</u>	<u>-</u>		estimate approximate lengths of periods of use
	Ind		point	of	appro	R. 2 priation ble.		about 300 inches used by both Kuney and Hendricksen from April through October
					٠.	• •	•	of each year.
	•			:				
	• .		1 1		٠,	•	٠	Signature of Owner Harold Kurief.
		:						Date311.8,1964

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

Three copies of this natice 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.



I received and filed this Instrument for record on the day of School of School of Missoula County, State of Montan Witness my hand:

Verance R. Crouce, County Resorder

By Paid Paid

GW 1	Approved Stock Form-State Pu	ablishing Co., Helena, Montana—39089
File No		T/2/YR 20 W 32
DUPLICATE		County Messevis
Motice of	STATE OF MONTANA VISTRATOR OF GROUNDWAT: OFFICE OF STATE ENGINES	1 1
(Under	Appropriation of G Chapter 237, Montana Session L	Gaws, 1961) STATE ENGINEER
		ress) (Town) 2.2.2. intend to apontana Session Laws of 1961.
2. The beneficial use to which	water is to be applied is Dec	mestic + Livertex
(describe lands to be be	nefited, if for irrigation)	
		roundwater claimed
•	•	era voca L
		use other the 1960
		etion of the well* or wells*
<u>-</u>	=	
8. The probable or estimated d	lepth of the water table or arter	sian aquifier. V. A. M. A. Mon C.
10. Give such other similar info	rmation as may be useful	N
in carrying out the policy of	this act	- croch
		- contra
	w	33
Location A	•	14
		shirs 8
		Locate well or other means of development as accurately as possible on the plat.
		iator Relat 12 Karanga
	1	Date Dec 17/962
 As defined in the Code Sec. 1 however made, by which grousures or is artificially withdra 	ndwater can be obtained or thro	ol opening or excavation in the ground, bugh which it flows under natural pres-
Three copies of this notice are the well is located.	to be filed with County Clerk a	and Recorder of the county in which
Please answer all questions. I	If not applicable, so state, other	wise the form will be returned.
Original to the County Clerk	and Recorder; duplicate to the	e State Engineer; Triplicate to the

GW 1	Approved Stock Form-State Publishing Co., Helena, Montana-39089	
File	No. THERE 20 W	
וטם	PLICATE County MISSOULS	
	STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER D) F CE VE	
	Notice of Appropriation of Groundwater (Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER	
1.	I. Ribert H Laire, of Ray Sol (Town) (Name of Appropriator) (Address) (Town) County of Missella, State of intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.	
2.	The beneficial use to which water is to be applied is I ruis after & Stock Water	
	(describe lands to be benefited, if for irrigation)	
	The rate of use in gallons per minute or miner's inches of groundwater claimed 50 km, n.c.	
	The annual period (inclusive dates) of intended use Afen' 1st To Seft 1st to reserve	
4.	The annual period (inclusive dates) of intended use Afent 1st to Seft tot torrestion	
5.	The probable or intended date of first beneficial use	
6.	The probable or intended date of commencement and completion of the wells or wells.	
7.	The location, type, size and depth of well or wells contemplated	
8.	The probable or estimated depth of the water table or artesian aquifier.	
9.	Name, address and license number of the driller engaged	
10.	Give such other similar information as may be useful	
	in carrying out the policy of this act	
	stock rainten 15 Tanks	2
	levig stirm by deteken	
	Locotras appearemente	
	Locate well or other means of development as accurately as possible on the plat.	
	Signature of Appropriator. Robert A Juning	
	Date 52 27 /962	
	As defined in the Code Sec. 1 (a) "Well" means any artificial maning or exception in the ground	

As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn."

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

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

	1	1
Z	≫ á	Ï

small square represents 40 wells in this area can be decres. acres. pended spon to produce slaar sand free water year after year as long as they are not overpumped. Less they should be pumped at rea not in excess of 50% of the tested that of the squifer. USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition). Approx. 4.8 Acres Show exact depth of bottom. Bottom of hole 84. 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 so be Driller's License Number	File No				Т	12N R	20 y	
ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER (Eler. above ass level 25222') Portactions Log: O: 2 Topsell with gravel mixed in. 16 - 41 Decomposed granitic sand a gravel. 41 - 45 Decomposed granitic sand by Stanley N. & Oner. Janles R. Norgaard Address. Loles. Montana Date of Notice of appropriation of groundwater. None. filed gravel. Stanley N. & Ower. Janles R. Norgaard Address. Loles. Montana Date of Notice of appropriation of groundwater. None. filed gravel. Stanley N. & Ower. Janles R. Norgaard Address. Loles. Montana Date of Notice of appropriation of groundwater. None. filed gravel. Date of Notice of appropriation of groundwater. None. filed gravel. Date of Notice of appropriation of groundwater. None. filed gravel. Date of Notice of appropriation of groundwater. None. filed gravel. Date of Notice of appropriation of groundwater. None. filed gravel. Date of Notice of appropriation of groundwater. None. filed gravel. Stanley No. & Water use: Densetic [X Mimidpl] Stock [Mirration [X Indiana on the diagram the character and thickness of the different strata and height to which the water rises in the well Type of well. Date of Notice of appropriation of groundwater. None. filed Water use: Densetic [X Mimidpl] Stock [Mirration [X Indiana on the diagram the character and thickness of the different strata and height to which the water rises in the well Type of well. Date of Notice of appropriation of groundwater. None. filed Water use: Densetic [X Mimidpl] Stock [X Indiana on sand, step. Stock of the groundwater. None. filed Water uses in the well Type of well. Date of Notice of the different strata and height to which the water rises in the well Type of Groundwater. None. filed Water uses in the well Type of Groundwater. None. filed Water uses in the well Type of Groundwater. None. filed Water uses in the well of Groundwater. None. filed Water uses in the well Type of Groundwater. None. filed Water uses in the well of Groundwater. None. filed Water uses in the we	DUPLICATE				Cour	nty Mi.s.	oula	
Ciler. above sea level 33122 Appropriation of Groundwater Appropriation by Means of Well DEVELOPED AFTER JANUARY 1, 1982	Top of Ground			RATOR O	F GROUP	IDWATER		:
DEVELOPED AFFER TARVIABY 1, 1982 10 - 2 Topsoil with gravel mixed in. 2 - 16 Gravel, and a cobbiestones. 16 - 11 Decomposed grantic sand, Some clay. 41 - 43 Decomposed grantic sand, Some clay. 45 - 65 Orange & brown clay Some and. 65 - 73 Sandy brown clay with broken rock mixed in. 75 - 86 Gray & brown shale rock. Water use: Demetic X Municipal Chun dill, polary or other) Indicate on diagram the character and thickness of the different strate met with original water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well. Note the well strated of the class of the different strate met with original polaries. Note the strate of the class of the different strate met with original polaries. Note the strate of the different strate met with original polaries. Note the strate of the different strate met with original polaries. Note the strate of the different strate met with original polaries. Note the strate of the different strate met with the water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well. Note the strate of the strate of the different strate met with original polaries. Note the strate of the strate of the different strate met with original polaries. Note the strate of the strate of the strate is encountered, thickness and character of water-bearing strata and height to which the water strate in the well. Note the strate of the strate o) Not	ice of C	omple	tion c	f Grou	undwat	er
Stanley N. & 2 - 16 Gravel, sand a cobblectones. 16 - 41 Decomposed granitic sand. Some clay. 41 - 43 Decomposed granitic sand. Some clay. 43 - 65 Orange & brown clay. Some sand. 65 - 75 Sandy brown clay without mixed in. 75 - 84 Gray & brown shale rock. Water. Water rises in the well 37 feet from surface. Water rises in the well 37 feet from surface. NH. //SE.Sec. 33. T12N R.20M Indicate location of well and place of use from the present of the complete of the present of the complete of the co	Pormations Log:	-						
2 = 16 Gravel, sand a cobblestones. 16 - 41 Decomposed granitic sand & gravel. 41 - 45 Decomposed granitic sand & gravel. 41 - 45 Decomposed granitic sand & granitic sand			(Under Chap	ter 237, 1	dontana S	ession Lav	vs, 1961)	
Driller_Liberty_Drilling_Co_Aldress_MissoulaMontana_ grantic_sand agreements_ agreements_ 16 - 41 Decomposed grantitic_sand agreements_ agreements_ 18 Decomposed grantitic_sand agreements_ 29 Decomposed grantitic_sand agreements_ 20 Decomposed grantitic_sand agreements_ 20 Decomposed grantitic_sand agreements_ 20 Decomposed grantitic_sand agreements_ 20 Decomposed grantitic_sand agreements_ 20 Decomposed grantitic_sand agreements_ 20 Decomposed grantitic_sand agreements_ 20 Decomposed grantitic_sand agreements_ 20 Decomposed grantitic_sand agreements_ 20 Decomposed grantitic_sand agreements_ 20 Decomposed grantitic_sand agreements_ 20 Decomposed grantitic_sand grantitic_sa	in.				1 A.J.J	Tolo	. Wontes	
Delication sand grantito sand some clay. 41 - 43 Decomposed grantito sand, Some clay. 45 - 65 Orange & brown clay with broken rock mixed in. 75 - 84 Gray & brown water. 76 - 75 Sandy brown water in the water water in the well. 76 - 75 Sandy brown water in the water water in the well. 77 - 84 Gray & brown water. 78 - 84 Gray & brown water. 78 - 84 Gray & brown water. 79 - 84 Gray & brown water. 85 Sand & Gray &				-			•	
Date of Notice of appropriation of groundwater. Name. filed. 5 and prown clay with broken rock mixed in. 75 - 84 Gray 8 brown shale rock. Water Water 1		Driller. L1b	rtyDr1.	.11ng(.A.A.ddre	88 M1=	oula Mo	ntana
Some olay. 45 - 65 Orange & brown clay with broken rock mixed in. 75 - 84 Gray & brown shale rock. 75 - 84 Gray & brown shale rock. 75 - 84 Gray & brown shale rock. 76 - 84 Gray & brown shale rock. 77 feet from surface. Number of the surface of the surfa	& gravel.	Date of Notice	e of appropri	iation of g	roundwat	erNone.	filed	
Water use: Domestic Municipal Stock Claum drill, rotary or other)	granitic sand.	Date well sta	rted6/.5/	<u> </u>	Date (completed	6/12/6	
Water use: Domestic Municipal Stock & Irrigation & Casands brown colay with broken rock mixed in. 73 - 84 Gray & brown shale rock. Water rises in the well 37 feet from surface. N Static Water Level for non-flowing well with in Pressure for Flowing Well, Non-flowing well with in Pressure for Flowing Well, Non-flowing well with in Pressure for Flowing Well, Non-flowing well in Pressure for Flowing Well, Non-flowing well with in Pressure for Flowing Well, Non-flowing well in Non-fl		Type of well	Drilled	1	Equipm	ent usedC	ableToo	1s
Static Water Level for non-flowing well Non-static Water Level for non-flowing well Static Water Level for n	- clay. Some					•		•
met with in drilling, such as soil, clay, shale, gravel, rock or and, etc. Show depth at which water is encountered, thickness and careter of water-bearing strata and height to which the water rises in the well. The strategy of the str	63 - 73 Sandy brown	w. 54				_		
strata and height to which the water rises in the well. Size of Codes From To FERFORATIONS		met with in	drilling, such	as soil, c	lay, shale,	gravel, ro	ck or sand,	etc, Show
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Water rises in the well 7 feet from surface. N Static Water Level for non-flowing well 37 feet from surface. N Static Water Level for non-flowing well 37 feet from surface. N Static Water Level for non-flowing well 37 feet from surface. Num. I/SE Sec. 33. T12N R. 20M Indicate location of well and place of use, if possible. Each small square represents 40 acres. Sand free water year after year after year as 1 ong as they are not 1 overpumped; 1 - 2 m on the roadies, clear not overpumped; 1 - 2 m on the roadies flow and steep and state of the section of the test control of the same flows. Show exact depth of bottom. Bottom of hole 84. This form to be propared by driller, and three copies to be filled by the owner with the Country Clerk and decorder in the county in which the well is located, tissue cay to be propared by driller, and three copies to be filled by the owner with the Country Clerk and decorder in the county in which the well is located, tissue cay to be propared by driller, and three copies to be filled by the owner with the Country Clerk and decorder in the county in which the well is located, tissue cay to be propared by driller, and three copies to be filled by the owner with the Country Clerk and decorder in the country in which the well is located, tissue cay to be propared by driller, and three copies to be filled by the owner with the country in which the well is located, tissue cay to be propared by driller, and three copies to be filled by the owner with the country in which the well is located, tissue cay to be propared by driller, and three copies to be filled by the owner with the country in which the well is located, tissue cay to be propared by driller, and three copies to be filled by the owner with the control of the country in which the well is located, tissue cay to be propared by driller, and three copies to be filled by the owner with the control of the country in which the well is located, tissue cay to be control of the country in which the well is located, tissu	shale rock.					1	PERFORATION	
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	County Clerk and Recorder in the county in which retained by driller.	the well is loca	ted, tissue con	::55 be	Drille	r's License		

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

Driller's Signature.

MONTALA WIES RESUMES BOSID SEP 12 1505

STATE OF MONTANA **ADMINISTRATOR OF GROUNDWATER CODE** MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

(Under Chap	ter 237	Montena	Session	Laws.	1961.	46 6	onended)

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.....LICENSE NO.....

DRILLER'S LOG

Indicare the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and

	Deve	loped aft	er Januar	y 1, 1962				neight	to which water rises in well. Apprex.	**		
(Under C	hapter 237	Montena	Session 1	Laws, 1961,	as imeno	ied)	Top of	Ground	3 000	n i		
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 referred by diller.								To (Feet)				
which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the								4	Sopeoil	<u>î</u>		
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Lole, Montana 59647			17	January 11, 1971			77		Meight to which water fi			
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indu	ustrial 🔲	Drainage	- D O1	her []* G	arden/La	מא רו						
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File No		*******	• • • • • • • • • • • • • • • • • • •	7,1 %			12.1 R		775			
DUPLIO	ATE	MONTANA V	MONTANA WATER RESOURCES BOARD RECEIVED				County Missaula					
		LOG				OF MONT	I'ANA					
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-	-	sea level	-Not	ice of C	omple	etion (of Grou	ındwat	er			
-	0-39	Clay and Grave		Appropri					,			
		,					TUARY 1,					
	39-50	Water and rock		(Under Chap	ter 237, 1	Montana 8	Session Lav	rs, 1961)	,			
			OwnerRL	i.iYann	•••••	Addr	essLala.	Mentana 5, 14th				
-			Driller Gle	enn Camp	************	Addro	MESO					
-			Date of Notice of appropriation of groundwater.									
			Date well sta	te well started April 28a 1969 Date completed April 30. 1969								
_			Type of well									
			(Dug, Driven, bored or drilled) (Churn drill, rotary or other) Water use: Domestic Municipal Stock I Irrigation									
-				Industrial	Dr.	ainage 🗍	Other					
_			Indicate on the diagram the character and thickness of the differen met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc depth at which water is encountered, thickness and character of water-									
			strata and he					ecter of wat	ter-bearing			
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-			*********************	, , , , , , , , , , , , , , , , , , ,		,)			
Show exact depth of bottom.												
License # 7												
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. Driller's License Number												
Please answer all questions. If not applicable, so state, otherwise the form will be returned. Driller's Signature Glayo Camp												
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28/235

I received and filed this Instrument for record on the fig. day of Miles 19.69 at Miles of clock J.M. permanent files of Miserella County, State of Montana Witness my hand:

Wespense R. Course, County Records:

By Addish

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