County Lizzalia & Lizzalia DRILLER'S LOG

Indicate the character, cotor, thick-

ness of strate 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

	neveloped also	Thrusry	1, 1902						
(Under Chapte	r 237 Montena	Session L	aws, 1961	, as amend	led)	Top of	Ground	(Elev. above sea	level)
This form to be by the owner w	prepared by dith the County	iritler, and Clerk and	d three co Recorder	pies to be in the cour	filed	From (l'eet)	To (Feet)	ž.	
which the well i		-		-		_0_	-8-	Idescoil #	[1] & Y
Please answer all form may be ret	urned.		_R_	15	Broken St	rade			
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Type of well	drilled	J(Dug,	, driven, bored	or drilled)	********				ر من
Equipment used	22/07		urn drill, retar	y or other)	********				
Water Use. Don	nestic 🛭 Mur	nicipal 🔲	Stock [] Irrigatio	on 🗌				
Industrial	☐ Drainage	[] Oth	er []*	Garden/Lav	vn E?			and the state of t	
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S INDICATE LOCA	W TION OF WELL	AND PLA	ACE OF U	ISE. IF POS	SIBLE.				
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urmer's Signatur	e	~ /···	<u>Q</u>	1.	/······				
Driller's Address	C	an	7	mul	uno-	İ		4	
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TOURTY OF LIWIS & CLARK \$5

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Restricted of Lower & Clark County, State of Montane.

County Recordat

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		Coulty on	יאנט	MONTANA						
Dick	kett	ADMINISTRATOR O			CODE	3				

OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

	Date of Appropriation of Groundwater VCLOPP), 1902
	Owner H. T. Buswell Address Route 1, Box 329
	Contractor (if any)
	Address of Contractor
	Date Started Date Completed
TION	Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. A natural spring located in
	the East Sec. 9, T. 10N. R. 4W has started to flow again after many years of dormancy foll wing the
2	in the Egyste Sec. 10, T.10%. R. All varies from one-half to one second feet depending on the time of year.
Approximate place	Application is made for the entire output of this spring less the amount that is losk through natural causes in the flow in the stream bed from the source to my property
	Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent
Sce T 12	estimate approximate lengths of periods of use Water is being put to beneficial use in irrigating ground on my
Indicate point of appropriation and place of use, if pessible.	property during the growing measure. It elso provides drinking water for livestock during most of the year. The quantity of flow depends on the time of the year, but ranges from one-half to one second foot.
	Signature of Owner Descente
	Date October 5, 1965

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

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

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

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

Barrier Contract

STATE OF MONTANA

thereby certify that the within in-strument was filed in the office on this day of

2:00

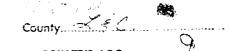
Indicate the character, color, thick-

ness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

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quipment	used	•	(C	hwn driel, rota	ry or other)	······				
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Indu	ustria! 🔲	Drainage	- Dt	her □*	Garden/Lav	vn 🗌			مراهب مادي والمراه والم	, may make their their for
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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

STATE OF MONTANA ADMINISTRATOR OF GROUNDWAYER CODE MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

•	APPROPK Dev			ANS OF 1, 1962				height	to which wan	er rises in	well.
(Under C	Chapter 237	Montani	Session	Laws, 196	l, as amend	led)	Top of	Ground	(Elev.	abova sea level	1)
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LICENSE NO. 38

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Recerted

Recerted

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this day of chock

A.D. 19 77 at min. Gen

County Records of Lewis Series

County R corest

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STATE PUBLISHING COMPANY

DRILLER'S LOG

height to which water rises in well.

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

MONTANA WATER RESCURCES BOARD NOTICE OF COMPLETION OF GROUNDWATER

STAYE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE

APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962

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STATE OF MONTANA
ODUNTY OF LEWIS & CLARK \$55

t hereby certify that the within instrument was find in my office on this day of Mary and D. 19 Det min/best orchek MM

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

Show exact depth of bottom.

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

Driller's License Number

Le Li Dea

Driller's Signature

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STATE OF MONTANA

WINTY OF LEWIS & CLARK | MA in the ment was find in my office on the ment was find the ment was find the ment of the ment was find the ment of the men 1101 19 180y

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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.

Show exact depth of bottom.

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

Driller's License Number

Driller's Signature.

Recerded, Cemparai

COUNTY OF LEWIS & CLAMP SE

I hereby certify trust the within in strument, was filed in my office or this and of the min. past of clock. A.D. 19 for at the coords of Lewis & Clark County, State of Montans.

STATE OF MONTANA

MONIMUM WATER RESOURCES BOARD ADMINISTRATOR OF GROUNDWATER CODE . I C E I V E Dindicate the character, color, thick-MONTANA WATER RESOURCES BOARD

DRILLER'S LOG

1 1971

ness of strata such as soil, clay, sanci, grayel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

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NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

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(Under C	hapter 237	Montana	Session	Laws, 1961,	, as am o no	led)	Top of	Ground	(Elev. above sea level)	_
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USE: If use	ed for irrig	jation, in acres and	dustrial, d	drainage or or other da	other. E:	xplain, Block				
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and A	ddition)		•••••••							
ESTIMATED	ANNUAL V	NITH DRA	WAL							
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Drilled Hole	Weight of Casing	(Feet)	(Pect)		ERFORATIO	·		 		
, '		_	40	Kind Size	From (Feet)	(Feet)		 		
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INDICATE	LOCATION	_	· <i>J</i>	LACE OF L	ISE IF PO	SSIBLE				
EACH SMA	LL SQUARE	REPRES	NTS 40	ACRES.	•					
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Driller's Sig	nature			<i>.</i>	r colling	 y		 		
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Dimer a Me				•	. 7	♥		99	Show exact depth of bottom	
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G W 2	Approved Stock Form.—State Publishing Co., Helenz, Montana—4855.
File No	T 10 R 4 9
DUPLICATE	County Lewis & Clark
rod	STATE OF MONTANA
Top of Ground	ADMINISTRATOR OF GROUNDWATER CODE STATE WATER CONSERVATION BOARD
(Elev. above sea level	Notice of Completion of Groundwater
0-5 ft.	Appropriation by Means of Well
_ tapail a gravel	DEVELOPI:D AFTER JANUARY 1, 1962 (Under Chapter 237 Montana Session Laws, 1961, as amended)
	Owner L.E. Smith Address Heleux, Martan
5.64 4 22.44	
- 5ft. to 38ft. Clay a gravel	Driller Wishey Linksey Address Claucy, Mantaux
Clay a gravie	Date of Notice of appropriation of groundwater
	Date well started Nov. 1 - 68 Date completed Hay 3 - 68
-	Type of well Equipment used (Churn drill, rotary or other)
	Water use: Domestic [3] Municipal ☐ Stock ☐ Irrigation ☑ Industrial [] Drainage ☐ Other ☐
- 38 ft. to 49 ft. - Hard Clay	Indicate on the diagram the character and thickness of the different strata
	met with in drilling, such as soil, clay, shele, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.
- Hard Clay	Size of Size and From To PERFORATIONS
	Hole of Casing Kind From Te
_	6" 1710 0 69 Size (Feet)
- 49 ft. to 62 ft.	nane
- Ell Composed Lis - 62 ft. to 69 ft. - Line Rack	ne Stane
-	N Static Water Level for non-flowing well
62 ft. to 69ft.	Shut-in Pressure for Flowing Well
- Line Ruch	Pumping Water Level
	w at 5 gal. per minute. Discharge in gal. per min. of flowing well
- 1	Disenarge in gai. per min. of nowing won
	How Tested Bailer
	Length of Test 3 Aug. Remarks: (Gravel packing, cementing, pack-
h ma	14Sec. 7. T. 12. R. 4. ers, type of shutoff)
	place of use, if possible. Each
	small square represents 40 acres.
- 1	(Continue on reverse side)
-	USE-If used for irrigation, industrial, drainage or other. Explain, state
<u> </u>	number of acres and location or other data (i.e.: Lot, Block and Addition).
 I	brugate yard
Show exact depth of bottom.	
	38
This form to be prepared by driller, and three cop County Clerk and Recorder in the county in which	the well is located, tissue cop: to be Driller's License Number
retained by driller. Please answer all questions. If not applicable, s	u state, otherwise the form will be Wesley Findsay
returned.	Driller's Signature.
	44,914

STATE OF MURIANA COUNTY OF LEWIS & CLARK \$50

1 hereby certify that the within lestrument was filed in my office on this day of nwn past o'clock A.M.

Records of Levie & Clark Course, State of Mortana.

STATE PUBLISHING COMPANY

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Driller's Address 2804 Harvard

Butte, Montana 59701 LICENSE NO. 8

	Deve	eloped aft	er Januar			neigni	to which water rises in well.			
(Unda-	Chapter 237	Montana	Session	Laws, 1961	, as ameno	ded)	Top of	Ground	(Elev. above sea level)	
by the ow	to be prep	e County	Clerk and	d Recorder	in the cou	ntv in	From (Feet)	To (Feet)		
	well is loca wer all ques						_2'-	20 '	Proken limestone	
form may	be returned	l <u>.</u>		20	·681	Elue limestone				
Owner Td Wadsworth For Administrator's Use									Hard Limestone	
Address 1116 Cannon \$2. File 214344									Mard Plue Limestone	
Feler	na, Mont	ana		1.00	P. ril.		_97:	110	Med. Hard Limestone	
Date well	started I	17	00	∍w 1			110	-113	Hard Blue Limestone	L
con	npleted	·····								
Type of w	ell .Drill	ed	·····	g, driven, bored	4-!tt4\					
Equipment	usedRcta	ry		-	-					
	: Domestic			num drill, rotat						
	lustrial []	_	Oti] Irrigati Garden/Lav	_				
	_		_		•					
	sed for irrig									
state	number of	acres and	location	or other da	ta (i.e. Lot,	Block				
and	Addition)		•••••••••		***************************************	******				
ESTIMATE	ANNUAL I	WITHDRAY	WAL							
Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)		PERFORATION	vs				
				Kind Size	From (Feet)	To (Feet)				
៤.	6 5/8" x .250	9,	20'	none						
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INDICATE	LOCATION	OF WELL	AND PL		SE, IF POS	SSIBLE.				
SACH SM	gnature	KEPKESE	NIS 40 A	ACKES.						
Briller's Si	gnature	Keefe	Drill	ing Cor	pany	******				1

47892

Show exact depth of bottom

County....

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

STATE OF MONTANA SECURITY OF LEWIS & CLARK

hereby certify that the within the strument was filed in my files and this day of the colock M. Records of Lewis & Clark County, Statu of Monage Monage Clark

	T 10N R 4w
DECELVED	County I was & Clark
4 1 1958 D	

MONTANA BUREAU OF MINES AND GEOLOGY STATE ENGINEER Butte, Montana

WATER WELL LOG
Owner Formula Character State of the State o
(Churn drill, rotary, other) Water use: Domestic Municipal Stock Trrigation Industrial Drainage Other: Casing: C. ft. to 62 ft. Type Size Pipe
Casing:ft. tofi. TypeSize Casing:ft. toft. TypeSize Perforated or Screened: Ftfy to ftfi. Ftto ftfi.
Type of screen or perforations. 3/8 x '/4 Perferoficers Static Water level, for non-flowing well: 44 Shut-in pressure, for flowing well: 1b./sq. in. on: (date)
Pumping water level. 60 feet at 7 gal. per min. How tested: 80 / 60 7 00 000 Length of test. 100000 Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
(over)

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	County LYC
MONTANA BUREAU OF MINES AND	GEOLOGYS CRIVEIN
MONTANA BUREAU OF MINES AND Butte, Montana	THE SERVICE WAS TO SERVICE WAS A SERVICE WAS
WATER WELL LOG	STATE ENGINEER
Owner Price and Lindsay	Address Clancy Kont
	Address Helena
Date Started pr 11, 26, 1961	Date Completed April 29, 1961
Location: Sec. 16 T. 16 M R. Y. C.	. 14 sec. 6 12 Sec. 1/14
Type of well	d. Churquatr till rotary, other)
Water use: Domestic Municipal Stor	ck Irrigation
Industrial Drainage Other:	
Casing 0ft. to50 Type I5 1b. We	W Size65/8 4 02
Casing:49	Size 5-5/162 0.D.
Casing:ft. toft. Type	
Perforated or Screened: Ft50 to ft58 Ft	to ft
Type of screen or perforations5"linertorchperforated	
Static Water level, for non-flowing well:30	feei.
Shut-in pressure, for flowing well:lb./sq. in. o	n:
The section and the laws I was a section of the sec	(date)
Pumping water level	gai per min
How rested:	
Length of test. Approx. Ihr.	
Remarks: (Gravel packing, cementing, packers, type of shut-off, dep	oth of shut-off)

(over)

Log of Well

		LOG OF WEN
	n, feet	Description of Material Drilled
From	То	
C	2	loam and some gravel
2	9	very tight clay bound gravel
	48	loose brown gravel class
48	58	firm decomposed lime
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<u> </u>		C E Line Park
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DUPLICATE LOG STATE OF MONYAMA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE REMINEER Notice of Completion of Groundwater Appropriation by Means of Well DEVELOPED APPERS JAVIARY 1, 1968 (Under Chapter 28t. Montana Session Laws, 1961) Developed Appropriation of groundwater Appropriation by Means of Well DEVELOPED APPERS JAVIARY 1, 1968 (Under Chapter 28t. Montana Session Laws, 1961) Date of Notice of appropriation of groundwater Address. Beleva, Koute Date of Notice of appropriation of groundwater and different set of the Market of the Miller of Chart drill, Planty or other) Water use: Demonstr 28th Ministrial State Tripstein Indicate on the disprant the character and thickness of the different state met with in drilling and has soal, chay, shale, graved rosk or soal, on. State with the wilder rises in the wall. Transparations of which have derived by the power of which beauting and has a collected of which beauting and has a collected of which beauting and has a collected of the wall and the power of which beauting and has a collected of the wall and the power of the officer of which beauting and has a collected of the wall and the power of the officer of which beauting and has a collected of the wall and the power of the officer of which beauting and the power of the officer of which beauting and the power of the officer of the officer of the power of	GW 2	.		Approved	Stock Form-	State Publish	ing Co., Holen	s. Montana—456	42 3003
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ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE EMGINEE Notice of Completion of Groundwater Appropriation by Means of Well DEFLOYED ATTRE ANDRAY 1, 1982 (Under Capter 237, Montana Session Lawa, 1961) Sand Gravel Date of Notice of appropriation of groundwater Appropriation of Groundwater Appropriation by Means of Well DEFLOYED ATTRE ANDRAY 1, 1982 (Under Capter 237, Montana Session Lawa, 1961) Sand Gravel Date of Notice of appropriation of groundwater Address Felence, Ront Date of Notice of appropriation of groundwater Type of well Dates Date of Motice of appropriation of groundwater Type of well Dates Date of Notice of appropriation of groundwater Type of well Dates Date of Notice of appropriation of groundwater Dates well started JEGE 5. Date completed June 8. 1957 Type of well Dates Date of Notice of appropriation of groundwater Dates well started JEGE 5. Date completed June 8. 1957 Type of well Dates Water use: Demestic M. Device of the liferest statument with in which were is encontreed, thickness and canada detection of well and	DUPLIC	ATE				Cou	nty Xc.	. res 4 6	Plack
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Continue on reverse side State Water Level State Sta			A						
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Date of Notice of appropriation of groundwater. Date completed June 8 1967 Type of well	- 1		Driller A. 7.	Welch		Addre	ss Sel	ena, Mont	.
Date well started AURE. 5	-	_	Date of Notic	e of appropri	iation of g	groundwat	er		
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Dec. No. 20 20 81 Filed for record (1952) Line Static Water Level for non-flowing well 20. feet Shut-in Pressure for Flowing Well. No. 19 70 of the County of Lines of Lines of the County of Lines of County of Lines of the County of Lines of County of L			strata and he	ight to which	the water	r rises in t	the well.	racter or wa	ter-pearmg
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 to prop to be retained by driller. See that in Pressure for Flowing Well No. Pumping Water Level 7 for at 85 gal. per minute. Discharge in gal. per min. of flowing well No. Baller Length of Test. 2. A.8. Itemarks: (Gravel packing, cementing, pack crs, type of shutoff). USE—If used for irrigation, industrial, drainage or other. Explrin, stat number of acres and location or other data (i.e.: Lot, Block and Addition). 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 to pry to be retained by driller. Please answer all question. If not amplicable, so state, otherwise the form will be								PERFORATION	is
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Sand Sand S	-		<u> </u>						
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place of use, if possible. Each small square represents 40 acres. (Continue on reverse side) USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition). Show exact depth of bottom. This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller. Please answer all question. If not applicable, so state, otherwise the form will be			W//SA: 1/4Sec	LL. T.LAR tion of well	.746.				
Show exact depth of bottom. Continue on reverse side			place of use, small—squar	if possible. e represent	Each 40 "		***************		
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	Approved Stock Ferm—State Publishing Co., Helena, Montana—4193.
DUPLICATE	County
Top of Ground (Elev. above sea level 0 - 15 ft - Clay 15 ft to 30 ft clay 30 ft to 45 semi web (Limeators) 45 ft to 5-6 ft (Limeators)	STATE OF MONTANA ADMINISTRATOR OF GROUNOWATER DODE OFFICE OF STATE ENGINEER Notice of Completion of Groundwater Appropriation by Means 1961 Owner Address
	Discharge in gal. per min. of flowing well. How Tested Length of Test.
	Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation).
- South Sec./Zi. The N R. H. Indicate location of well an place of use, if possible. Eac small square represents 10 acres	d h

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.

Driller's Licence Number.

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

Snow exact depth of bottom.

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. 35038

CH153733 STATE OF MONTANA
COUNTY OF LEWIS & CLARK SS

I hereby certify that the within instrument was filed in my office on this distribution of the past of

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County Records

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	LOG	STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE	1
Top of Grou	រាម	OFFICE OF STATE ENGINEER	•
	Dichert	Notice of Completion of Groundwater	
Elev. above	sea level		
}		Appropriation by Means of Well	
0-6	H.	DEVELOPED AFTER JANUARY 1, 1962	
Too	ail and Cla	(Under Chapter 237, Montana Session Laws, 1961)	
107	Stand Christian or also	Owner Maradell Frank Address Rt 1 Holerah	1.00
		Driller Price + oxndery Address Clarcy man	
- 6 to 8	28 Lt.	Date of Notice of appropriation of groundwater	
Olan	28 st. granel	Date well started 22 and Date completed 22 and	
		Type of well Wrilled Equipment used Chusa	
_		(Dug, Driven, bored or arilled) (Churn drill, rotary or other)	•••••
_		Water use: Domestic Municipal Stock K Irrigation	m [
	. 11.	Industrial Drainage Other D	
286	40 1	Indicate on the diagram the character and thickness of the different met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc.	. St
Hasko	on + clair	depth at which water is encountered, thickness and character of water-strata and height to which the water rises in the well.	oear
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	- U	#0	***
- Hard	Kimi Kerba	Shut-in Pressure for Flowing Well	
1 '`		Pumping Water Level72	f
.		w at gal. per minute.	
4		Discharge in gal. per min. of flowing	ig v
.		a 'n	
		How Tested.	
Î		Length of Test. 2	
		Remarks: (Gravel packing, cementing	
		WYSMASec. 10. T. 10 R. 4 ers, type of shutoff)	
Ì		Indicate location of well and place of use, if possible. Each	•
		small square represents 40 acres.	
			•••••
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• }		USE_If used for irrigation, industrial, drainage or other. Explain	ı.∠ st.
l		number of acres and location or other data (i.e.: Lot, Block and tion).	i Ad
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Show exact	depth of hottom.		•••••
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		58	·•·••
		e copies to be filed by the owner with the	
		copies to be filed by the owner with the Driller's License Number	

Wrong Form

Approved Stock Form—State Publishing Co., Helena, Momana 42345

T. /// R. /// R. /// DUPLICATE

County, 456/5 Aug CLARA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

Daveloped After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

	Date of Appropriation of GroundwaterJuly 1972
	Owner Maradell Fraser Address Birdseye Route Helena, Montana Contractor (if any) None
	Address of Contractor
	Date Started June 15 Date Completed
N	1) Describe means of obtaining groundwater (as by sub-irrigation,
	developed spring, drains, etc.)diversion-of-stream
**	2) Means of withdrawing water (gravity, pump, canal, etc.)pumpandcanal
	3) Depth of water table
w/25d/4Sec. 10. TION R. 4W	4) Use of the water?rrigation
Indicate point of appropriation and place of use, if possible.	5) Amount of groundwater claimed (in miner's inches, or gallons
	per minute)22minersinches
Doc. No. 227983 Filed for record	6) If used for irrigation, give number of acres and description of
this 2/ day of August A. D. 19 72, at 8:35 o'clock A. M.	land20 acres of pasture land
	7) Estimate amount of water used each year
	Signature of Owner Masuall Frages
	Date

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.

Indecod Recertori Compared

SOUNTY OF LEWIS & CLARK (

thereby certify that the within instrument was filed in my office of the control
ounts State of Montane

Martin St. County Lewis YC/ARK

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.

DRILLER'S LOG 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,	115	amended)

(Under Chapter 237 Montana Session Laws, 1961, us amended)	Top of	Ground	A PPROX 4300 (Elev. above sen 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 which the well is located, last copy to be retained by driller.	From (Feet)	To (Feet)	Gac B A
Please answer all questions. If not applicable, so state, otherwise the	0_	48	KOCK & GRAVEL
form may be returned.			وجيدي والتدو ليساو والبين والبين والبين والبين والدن والتان والثان والتان والبين أوامان أوامان أوامان أوامان أوامان
Owner WILLARD, D. HILL For Administrator's Use	48	53	WATER SAND
Address 112 MEAD OW DR File 220888			TOGALS, NIM
HELENA (October 1, 1971)			· A
Date well started 5 CPT 15 GW1	53	82	CLAY & S AND
completed 51517, 30-71		<u> </u>	
Type of well DRILLED	777	07	エンジャにか でゅんか
Equipment used CABIF TOOLS	8	87	WATER SAND
(Churn drill, rotary or other)			TU APROY 3 OGA
Water Use: Domestic Municipal Stock Inrigation			WIN
🛣 Industrial 📋 Drainage 🗍 Other 🎢* Garden/Lawn 💆	87	702	GRAY LIME
*Describe * MODIL HOME PARK			
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). A CROS - 25 UNITS			
ESTIMATED ANNUAL WITHDRAWAL 27, 000, 000. 9 ALS			
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1718 SET FRON 80-103			
		 	
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Pumping water level Al/Aft.* at Al/Agallons per minute	\		
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began. *Measured from groundblevel.		 	
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Remarks: (Gravel packing, cementing, packers, type/of shutoff)			
us to Section packers, type of shutoff)			
1 1 3 4 3 2 E		 	
\$			
INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.			
Driller's Signature Ll. Ji. Welch	1		
Driller's Address 5 820N, NONT. AVE			
HELENA, WONT LICENSE NO. 100	10	2	Show exact depth of bottom

Indexed Recorded

13

STATE OF MUNTAN

I nereby certify that the within instrument was filed in my office on this day of A.D. 19 That min. past o'clock M. and recorded on page of Book Clark Cyunty State of Mandara:

Fater Resources Division Engineering Bureau Groundwater Section Doc. No. Sam W. Mitchell Building Helena, Montana 59601 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: Municipal 🔲 Water Use: Domestic 🔼 Industrial Drainage Other * Garden/Lawn *Describe USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block ESTIMATED ANNUAL WITHDRAWAL ...250,000. 473 PERFORATIONS (Feet) 6 " etela A 711 $\mathcal{J}_{\mathcal{C}_{i}}^{\bullet}$ inf? 1401 661 imilio N Static water levelft.* Pumping water level121........ft.* at17gallons per minute × measured ...30 minutes after pumping began. *Measured from ground level. Well developed by forhours. Power_class Pump__12..... HP Remarks: (Gravel packing, cementing, packers, type of shutoff) INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES. Driller's Signature Halter Riddock Show exact depth of bottom Driller's Address LICENSE NO..... 49,926

(11)

Department of Natural Resources and Conservation

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

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

•	AFFROFRI Deve			ANS OF	AAELL			heigh	to which water rises in well.	
(Under C	Chapter 237	Montana	Session	Laws, 1961	, as ameno	ied)	Top of	Ground	(Elev. above sea leve!)	
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and A	Addition)	••••••		******************	· · · · · · · · · · · · · · · · · · ·	*******			مده الماماء الم	
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n 111 / 4	latara.									1
Driller's Ac	ldress						1			

LICENSE NO.

Show exact depth of bottom

STATE OF MONTANA SE

i hereby certify that the within in strument was filed in my office on this day of min. past a.D. 19 at min. past of Book of Book Records of Book Clerk County State of Morana.

STATE PUBLISHING COMPANY

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under C	hapter 237	Montana	Session 1	Laws, 1961	, as amend	led)	Top of	Ground	d (Elev. above sea level)	
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form may i	be returned	•			,		6_	18_	Clay & Gravel	
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Owner	c.t.nucn.	COMMICK		For Admi	nistra!or's L	lse				
Address	1500 Knig	ht	F	ile <i>233</i> .	73.1		30	46_	Clay & Gravel	
Hele	ena, Mont	ana 596	01	April 5	7. 1973		46	51_	Clay	
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com	pletedMe	rch.14.	1973	******	*****				transa antica (magai arteste fabrille fillede fillede filmate prasse quaste à '700 traitire queste glassif gabs é génite seu	
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Indi	ustrial []	Frainage	. Cal	[T	Garden/Lav	ren FTS				
										
									ar years same, anno anno anno anno anno anno deris Maris City anno senso anno anno bises anno anno anno anno a	
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LICENSE NO. 38 33 Show exact depth of bottom

1994 A D

County Lewis & Clark

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.

1.00 Poer -

STATE OF MONTANA

hereby certify that the within instrument was filed in my office on this doy of him and record of blook M. and record ed on perio of Book of Records of Lewis and Clerk County, State of Montana.

File No.

TION R 4W

DUPLICATE

County Lewis and Clark

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

Montana curporetion, 1. W. J. Harrer & Sons, Inc., a / of Green Headow Ranch, Helena (Name of Appropriator) County of Lewis and Clark Notation of County of Lewis and Clark 2. The beneficial use on which the claim is based : the irrigation of hay, grain, grass and other crops. 3. Dute or approximate dare of earliest beneficial use; and how continuous the use has been March 31, 1655, and continuously ever since. 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 500. miner's. inches (12°s. cubic. feet.per.second). 5. Hudden point of appropriation and place of use, it possible. 1. The means of withdrawing such water from the ground and the location of the contraction of the water as been applied and name of the owner thereof crown and place of use, it possible. 5. The means of withdrawing such water from the ground and the location of each well or other means of withdrawing. Surface. Water in the county are the county and the location of the construction of the well, wells, or other works for withdrawal of groundwater March 31, 1865. 8. The depth of water table The depth of the water table varies from 18 ft up to the purface of the ground of the construction of the well, wells, or other works for withdrawal of groundwater As above ment loned; irrigation of the provide varies of the ground or close second table. The depth of the provide such as and clark of the ground such and irrigation of the provide such as son which there to be a located to the well with a proper to the provide such as a	(Under Ch	napter 237, Montana Session Laws, 1961) STAIL ENGLEN
2. The beneficial use on which the claim is based: the irrigation of hay, grain, grass and other crops. 3. Date or approximate date of earliest beneficial use, and how continuous the use has been March 31, 1665, and continuous the use has been March 31, 1665, and continuous the use has been March 31, 1665, and continuous the use has been March 31, 1665, and continuous the use has been March 31, 1665, and continuous the use has been march 31, 1665, and continuous the use has been march 31, 1665, and continuous the use has been special district the use of the which water has been applied and name of the owner thereof the high value is the use of the control of the use of the which water has been applied and name of the owner thereof the high value is the use of the use of the owner thereof the high value is the use of the use	(Name of Appropriator)	of Green Meadow Ranch, Helena (Address) (Town)
of hay, grain, grass and other crops. 3. Date or approximate date of carliest beneficial use, and how continuous the use has been March 31, 1665, and continuously erer since. 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 500 miner's inches (12 cubic feet per second). 5. If used for irrigation, give the newage and description of the lands to which water has been applied and name of the owner thereof which water has been applied and name of the owner thereof the small square represents 10 acres. 5. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Surface Matter 1 diverged into a nortion of the water and irrigation of the lands to which water has been applied and name of the country of the inigh water table this release the local of the representation of each well or other means of withdrawal. Surface Matter 1 diverged into a nortion of the water works of with drawal of groundwater March 31, 1865. 8. The depth of water table The depth of the water table varies from 18 ft. up to the surface of the ground, depending upon the gasgon of the year and the groundwater works for the withdrawal of groundwater As above mentioned, irrigation of any other works for the withdrawal of groundwater As above mentioned, irrigation of any other works for the withdrawal of groundwater As above mentioned, irrigation of any other works for the withdrawal of groundwater As above mentioned, irrigation of any other works for the withdrawal of groundwater as above mentioned, irrigation of any other works for the withdrawal of groundwater as above mentioned. Irrigation of any other works for the withdrawal of groundwater as above mentioned, irrigation of the ground water to either the surface of the ground or close enough thereto to provide and irrigation of the groundwater the surface with a groundwater withdrawal case year 500 miner's inches (2½ cubic ft (Impossible to estimate on a yearly basis). 10. The casinate amount of groundwater w		ng to the Montana laws in effect prior to January 1, 1962, as follows:
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per minute) 500 miner's inches (12% cubic feet per second). 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 to which water has been applied and name of the owner thereof with the policy of the small square represents 10 acres. 10. Description on reverse side. 11. Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres. 12. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Surface water is into of each well or other means of withdrawal. Surface water is into of each well or other means of withdrawal. Surface water is into of each well or other means of withdrawal. Surface water is into of each well or other means of withdrawal. Surface water is into of each well or other means of withdrawal. Surface water is into of each well or other means of withdrawal. Surface water is into of each well or other works for with drawal of groundwater March 31, 1865. 8. The depth of water table The depth of the water table varies from 18 ft. up to the surface of the ground depending upon the season of the year and the amount of surface water applied as well as swell as amount of surface water in gooperal area. 13. The means of withdrawal of the year and the depending upon the season of the year and the dependence water was it may be available, the type, six and depth of each well or the general specifications of any other works for the withdrawal of groundwater As above mentioned, irrigation of any other works for the withdrawal of groundwater As above mentioned, irrigation of any other the surface of the ground or close enough thereto to provide irrigation without application of surface water. 13. The means of withdrawal such areas in the season of the year and the deach well of the ground water to although a season of the year and the deach water to although a season of the year and the deach water to although a season of the yea	W E	ous the use has been March 31, 1865, and con-
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reference to book and page of any county record. The above described sub-irrigation and irrigation depends wholly upon ground water being maintained at a high level. The ground water, by natural processes will, at times, come to the surface of the land where it is available for irrigation, or will come (continued on reverse side) ATTEST: Signature of OwnerW. J. HARRER & SONS, INC.	works for the withdrawal of groundwa the surface with surface with surface with surface withrough a series of ditche the surface of the ground crops. In addition, at commater is high enough to prapplication of surface water. 10. The estimated amount of groundwater (Impossible to estimate in the log of formations encountered in the surface with su	ter As above mentioned, irrigation of a portion of ater taken from 10-Mile Creek and 7-Mile Creek s raises the level of the ground water to either or close enough thereto to provide irrigation for rtain times of the year, the level of the ground ovide such sub-irrigation and irrigation without er. withdrawn each year 500 miner's inches (12% cubic ft. on a yearly basis). the drilling of each well if available Not applicable.
ATTEST: Signature of Owner W. J. HARRER & SONS, INC.	reference to book and page of any courirrigation depends wholly	nty record. The above described sub-irrigation and upon ground water being maintained at a high by natural processes will, at times, come to the it is available for irrigation, or will come
· ·	ATTEST:	
	Secretary Three copies to be filed by the owner with t	December 1963 he 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.

- 6. (continued) In addition, at certain times of the year, the level of the ground water is high enough to provide such sub-irrigation and irrigation without application of surface water.
- 12. (continued) close enough to the surface to be available for the sub-irrigation of such lands. In addition, the application of surface water, as above described, will raise the level of the ground water so that the same will irrigate or sub-irrigate the lands above described. Lowering of the level of the ground water in the area by wells, drainage ditches, or any other means, will make it impossible to irrigate and/or sub-irrigate the lands above described, because of the resulting lowering of the level of the ground water. This would result in serious reduction of agricultural production upon the lands above described. This whole system of irrigation and sub-irrigation depends upon the utilization of ground water, and the maintenance of the ground water at its present level, without any reduction whatever.
- 5. The Nant, Swane, Sand in Section 12, Township 10 North, Range 4 West; the Swa, Wase, less that portion thereof occupied by the Great Northern Railway Company's right-of-way, the Nwa, Wanea, Nwase, in Section 13, Township 10 North, Range 4 West; all that portion of the Ease, lying east of the Great Northern Railway Company's right-of-way, the Washa, Wase, less that portion thereof occupied by the Great Northern Railway Company's right-of-way, all in Section 23, Township 10 North, Range 4 West; all that portion of the Nwanwa, lying north of the Great Northern Railway Company's right-of-way, in Section 23, Township 10 North, Range 4 West; the Nanea, Sanda, Sanda, in Section 14, Township 10 North, Range 4 West.

Owner: W. J. Harrer & Sons, Inc.

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Approved Stock Form-State Fublishing Co., Helena	Montana-41921	α έ	2 3 J	é	1

File No.

DUPLICATE

T. 10 R 4 County Level & Clark.

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

NCV 20 1963

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961) 1. Javrye Moshir, John Flacker (Name of Appropriator)
County of Seria & Clark

County of Seria & Clark , of Norte a Helina (Torn) County of Dertain Clarks State of Montana 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 track gation. 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1922 - One to Just 1-4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1200 grellens pon source to M. Z. 45. 24.13. Sec. 12. T. 10. R. 4... 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 punts.

2 Mills S.E. Corm. of N.E. 4 of S.E. 4 Sec. 12 The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1928 - 15th Nell drive 1766 - 1444 Groundwater 1935 - 24 well drill for fell 1866 - 1844 Groundwater 1955 - 24 well drill for fell 1866 - 1844 Groundwater 1955 - 24 well drill for fell 1866 - 1844 Groundwater 1955 - 1845 Groundwater 1955 - 1855 Groundwater 1955 - 1 8. The depth of water table 151 70 first and 2d 100 fort 10. The estimated amount of groundwater withdrawn each year 40,000,000 jacleurs 11. The log of formations encountered in the drilling of each well if available grant again 5 for the grant the activities of the surface of the surface that the surface of the surface o

Signature of Owner John Flacker.

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

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

reference to book and page of any county record.

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.

149956 STATE OF MONTANA
COUNTY OF LEWIS TO CLARK (1)

I heroby destify that the certic as stemost was filed a my office on this. I have been a stated to be a second to be a secon Deputy \$ 3:00

CODE 2

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STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

Developed After January 1, 1962

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

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

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

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

	Owner Clatter of Hettleton, Lean Hettleton
For Administrator's Use	Address 28 Loston Ballery Mantingar
File 235585	Contractor (if any)
June 12, 1973	Address of Contractor
GW 1 2 .50 p.m.	Date Started Date Completed
	Describe means of obtaining groundwater (as by sub-irrigation,
	developed spring, drains, etc.)
	Hatural Sainge
N 	
X	2. Means of withdrawing water (gravity, pump, canal, etc.)
	Spianty & pump
	3. Depth of water table
E	4. Use of the water de satisfaction
	Side Street
	5. Amount of groundwater claimed (in miner's inches or gallons
	per minute)
8	per minute) St. Karinning St.
1111 /4/12/1 /4 Sec 1.34	
T. <u>/2.</u> N. R	6. If used for irrigation, give number of acres and description
W æ	of land
INDICATE DOISIT OF ADDDODDIATION	1111/4 MO /4 Sec 13 210
INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.	BUW
Elevation of spring, if known or esti-	7. Estimate amount of water used each year
mated IN23	
	8. Months of year spring flows
	o. Worlds of year spring flows
	The state of the s
	Signature of Owner
	Date 6-12.73

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HIT OF MONTANA

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o'clock/_M.

Necords of Lewis & Start
County State of Months

2.00

STATE PUBLISHING COMPANY

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Driller's Address 980 RINAY RD
HELENA LICENSE NO. 100

	PPROPRI	ATION	BY ME	F GROUP ANS OF y 1, 1962		ĸ			at which water is found and to which water rises in well.	
(Under Cl	hapter 237	Montana	Session	Laws, 1961	, as amend	led)	Top of	Ground	(Elev. above sea level)	
his form to by the own which the v	o be prepared to be p	ared by County ted, last	dritler, an Clerk and copy to b	d three co d Recorder be retained	pies to be in the cour by driller.	filed aty in	From (Feet)	(Feet)	ROCKA	
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	strial 🗌			_	Garden/lav					
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state n	number of	acres and	location	or other da	ta (i.e. Lot,					1
STIMATED	•					******				
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EACH SMA	LL SQUARE	REPRES	ENTS 40			wu jarahan				1

Show exact depth of bottom

Indicate the character, color, thick-

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

神经神 . Same

STATE OF MONTANA

! hereby certify that the within instrument was fixed in my office on this A.D. 19 of Close M and recorded on the second of the

Deputy

3 GW 2 Revised 1969

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 MERLIN VOEGELE	For Administrator's Use
	For Administrator's Use
Address 1057 PHILLIPS RD	File 233068
HELENA, MONTANA	mase + 12,1973
and the book and the best of the second transfer of the second trans	I. Lakelett INSmith IT I. Som a. L. L. Kand
Date well started FEB-4-73	GW1 1.25 p. 177
completed FEB-6-73	
rype of well DRILLED	
	Dug, driven, bored or drilled)
Equipment used CHURN	
and the same and a second seco	(Churn drill, rotary or other)
Water Use: Domestic 🔀 Municipal	🔲 Stock 🗍 Irrigation 🏻

Water	Use:	Domestic	K) v	lunicipa		Stock		irrigation	Z
	Indu	strial 🔲	Draina	e 🗆	Other	□*	Gard	den/Lawn	(X
*Desc	ribe .				*******		• • • • • • • • • • • • • • • • • • • •	· • • • • • • • • • • • • • • • • • • •	• • • • •
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	and A	ddition)	10 P	CRES	\$				

ESTIMATED	ANNUAL	WITHDRAWAL	15,0	200	000	GALS

PERFORATIONS

6"	19 LB.	0	51	Kind Size	From (Feet)	(Feet) 50
	N		Pum at	c water lev ping water	level	ft.* 5ft.* per minute,

measured 120 minutes after pumpir began. *Measured from ground level. Well developed by BAILER for hours. Power ELEC Pump
packers, type of shutoff)

INDIC	ATE	LO	CATION	OF	WELL	AND	PLACE	OF	USE,	IF	POSSIBLE
EACH	SMA	ILL	SQUARE	RE	PRESEN	ITS 40	ACRES	5.			

Driller's Signature .	We relay	Linkery
Driller's Address	<i>7</i> 1	montan
	′	TENICE NO. 38

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

DRILLER'S LOG

From (Feed)	To (Feet)	
C	15.	TOPSOIL & GRAVEL
.5_	18	CLAY & GRAVEL
18	28	COARSE GRAVEL
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40		GRAVEL É SAND
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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

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

_	Deve			y 1, 1962	VV ELL			height	to which water rises in we	ell.
(Under C	hapter 237	Montana	Session I	Larws, 1961	, as amend	led)	Top of	Ground	(Elev. above sea level)	
his form	to be prep	ared by	driller, an	id three co	pies to be	filed	From (Feet)	To (Fest)		
vhich the	well is loca	ated, last	copy to b	e retained	by driller.	•	_0	6	Topsoil & Clay	
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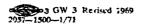
STATE OF MONTANA

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County Jewis & Clark

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE MONTANA WATER RESOURCES BOARD

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NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

Developed After January 1, 1962

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

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

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

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

	Owner Joseph J. Chermeringa
For Administrator's Use	Address 1312 57/2 Ave
File 236524	Contractor (if any)
June 29, 1973	Address of Contractor
GW 1 11:36 1222	Date Started Date Completed
	1. Describe means of obtaining groundwater (as by sub-irrigation,
	developed spring, drains, etc.)
	The Mille Co, by files
	1/25 acreed
N	Ten Mille Co, by files
	2. Means of withdrawing water (gravity, pump, canal, etc.)
	3. Depth of water table 5 to 5
E	3. Depth of water table 5 # 5 4. Use of the water 11119911111
	stack water
	5. Amount of groundwater claimed (in miner's inches or gallons
W s	per minute) 450 5011
NR E	6. If used for irrigation, give number of acres and description
ye s af w	of land green green with
INDICATE POINT OF APPROPRIATION	
AND PLACE OF USE, IF POSSIBLE. Elevation of spring, if known or esti-	27
mated	7. Estimate amount of water used each year 27, 800
	per la fine 120 days
	8. Months of year spring flows
	Signature of Overser
	Date 29,1973
	54776

STATE OF MONTANA

i hereby certify that the within instrument was filed in my office and in the county of the county. State of Management of the county, State of Management of the county o

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	Approved Stock Form-State Publishing Co., Helena, Montana-39089
ile No	T MNR 40
UPIJCATE	County
ADMI	STATE OF MONTANA INISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER
Declaratio	on of Vested Groundwater Rights
(Under	r Chapter 237, Montana Session Laws, 1961) STAIL ENGINEE
1. Jack Mane of Appropriate County of Lenies and	et de Cience of Woodlown ledd Lellers
have appropriated groundwater a	ecording to the Montana laws in effect price to January 1, 1962, as follows:
N	2. The beneficial use on which the claim is based
	2. The beneficial use on which the claim is based.
	3. Date or approximate date of earliest beneficial use; and how continuous the use has been 12246 28, 1957
	E (January Towns
	Lating to the state of the stat
	4. The amount of groundwater claimed (in miner's inches or gallons per minute)
5 45-48 Black8-Whokles	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
	Judge stock of the Yasture I to
14 Sec 13 T/2NR 4W	lack 13 y Eleabeth La
ndicate point of appropriation nd place of use, if possible. lach small square represents 10 cres.	6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
C1 C07	tocation of each wen of other means of winding water
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7. The date of commencement and of drawal of groundwater	completion of the construction of the well, wells, or other works for with 28, 957 e type, size and depth of each well or the general specifications of any other undwater water withdrawn each year 2,000,000 (sught mullain) Gillon
7. The date of commencement and of drawal of groundwater 2228 8. The depth of water table 29. So far as it may be available, the works for the withdrawal of ground 20. The estimated amount of ground 21. The log of formations encountered and a similar an	completion of the construction of the well, 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.

STATE OF MONTANA

I hereby certify that the within the strument was filed in by office on this 3 day of Dec.

A.D. 19 3 nt. 46 min. prot
O'clotha M.
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County Récorder

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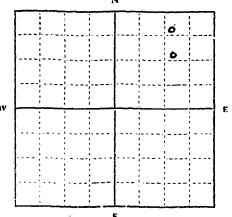
DUPLICATE

County Lewis and Clark

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights ENGINEER

Montana cor	poration,	
1. W. J. Harrer & Sons, Inc., a / (Name of Appropriator)	, of Green Meadow Ranch,	Helena
(Name of Appropriator)	(Address)	(Town)
County of Lewis and Clark	State of Montana	
have appropriated groundwater according to the	Montana laws in effect prior to January	7 1, 1962, as follows:
N		



NE 1/4 Sec. 13 T.10NR. LW Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based: domestic use, irrigating lawns and gardens, watering live-stock, and household purposes.
- 3. Date or approximate date of carliest beneficial use; and how centinuous the use has been Well #1, Nov. 3, 1950; Well #2, Oct. 15, 1956. Both wells used continuously thereafter.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 miner's inches per well, for a total of 30 miner's inches.
- 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 Irrigating lawns and gardens. NEE, Section 13, Township 10 North, Range 4 West. Owner: W. J. Hanrer & Sons, Inc.
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Well #1 is walled with rock. Well #2 is drilled and cased. Both operate with pumps. Both wells are in the NEWE, Sec. 13, T. 10 N., R. 4 W.
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Well #1 commenced Oct. 12, 1950 and completed Nov. 3, 1950. Well #2 commenced and completed on Oct. 15, 1956.
- 8. The depth of water table 5 feet for both wells,
- 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 #1 is 18 ft. deep and 3 ft. in diameter, welled with rock, and water is conveyed to a dwelling, yard and garden through 2 l" pipes; Well #2 is 18 ft. deep and is a drilled well with 6" cesing, with water conveyed to dwelling, yard and garden through 1 %" pipe.
- 10. The estimated amount of groundwater withdrawn each year 350,000 gallons, for each well-
- 11 The log of formations encountered in the drilling of each well if available 6 ft. of gravel, and then clay and gravel for the rest of the depth of the wells. At about 16 ft. there is shard pan formation.
- 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. Notices of appropriation were filed for both of these wells. For Well #1 the notice may be found in Book 72 of Water. Rights at p. 151. For Well #2, in Book 72 of Water Rights at p. 157, both of the records of Lewis and Clark County, Montans.

ATTEST:

W. J. HARRER & SONS, INC., a Mont. Corp. 16.9 Hourseldent Signature of Owner. By:

Date. December 13, 1963

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

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

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

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County Lewis and Clark

DUPLICATE

STATE OF MONTENA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

L IL JAN 6 1964

Declaration of Vested Groundwater Rights AIR ENGINEER

	(Nome of	Annonniator)		on of 125 E. Pacific St., East Helena (Address) (Town)
				State of Montana
h	ave appropriated ground	lwater accordin	g to	the Montana laws in effect prior to January 1, 1962, as follows:
	N			
-			2. T	The beneficial use on which the claim is based domestic, stock and irrigation
-			3. D	Date or approximate date of earliest beneficial use; and how continuous us the use has been over 5 years ago - continuous
w		F	••	
			4. T	the amount of groundwater claimed (in miner's inches or gallone er minute) 100 gallons
; 21 e W	, 22, 23 and 24 in codlawn Addition to	stock 7 of the City of	to	f used for irrigation, give the acreage and description of the lands of which water has been applied and name of the owner thereof ots 21 through 34 in Block 7 of Woodlawn Park Addit approximately 2 acres or less. Walter J. Johnson as eggy J. Johnson
			P.:	eggy J. Johnson
and	icate point or appropri place of use, if possible.	Each	6 Т	he means of withdrawing such we'er from the ground and the loca
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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.

15-1742

STATE OF MONTANA

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County Reporder

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GW 2	MC	ONTANA WATER RESOURCES BOARD Approved Stoc	ck Form-State Publishing Co., Helena, Montana-42329
File No	***************************************	RECEIVED Approved Stock	T 10N R 4W 3
DUPLIC	ATE	AUG 24 1967	County LEWIS & CLARK
	LOG		ATE OF MONTANA
	· -		FOR OF GROUNDWATER CODE E OF STATE ENGINEER
1 . 3	Top of Ground		
3	(Elev. above sea level APP		mpletion of Groundwater
\$ _ 20			ion by Means of Well ED AFTER JANUARY 1, 1962
		· · · · · · · · · · · · · · · · · · ·	237, Montana Session Laws, 1961)
-		Owner DONALD KOSE	NA Address ROUTE Box 2/8
_			Address HELENA, MONT
,	Š.	Date of Notice of appropriat	ion of groundwater June 23, 1964
			23,1969 Date completed. JUNE 28,1964
-		Type of well	DRILL Equipment used OTHER DRILL (Churn drill, rotary or other)
_ j		Water use: Domestic	Municipal
4.6		Indicate on the diagram t	the character and thickness of the different strata
- 6	*. :	depth at which water is encor	soil, clay, shale, gravel, rock or sand, etc. Show untered, thickness and character of water-bearing
		strata and height to which th	he water rises in the well.
1 - 2		Defiled Weight	From To PERFORATIONS (Feet)
2-3		Hole of Casing	Kind Prom To Size (Feet) (Feet)
1- "		5.5K ANCH 648	0 63
- 0.		1618	
1.3			
22			
	·	N	Static Water Level for non-flowing well
-	767 767		48 feet.
	SHE		Shut-in Pressure for Flowing Well
	A A		Pumping Water Level feet gal. per minute.
	7 7 3 8 8 6 7	₩	Discharge in gal. per min. of flowing well
F 98	RAP		ZE HOHE
E 554	اب الاسلام ال		How Tested 3064L BUCKET Length of Test 30 MIN
	•	5	Remarks: (Gravel packing, cementing, pack-
		SE SEL Sec 13 TION R4	ALAMA A
_		Indicate location of well as	nd
_	. •	place of use, if possible. Easinall square represents	
	•	acres.	
-			(Continue on reverse side)
		USE_If used for irrigation	n, industrial, drainage or other. Explain, state
-		tion).	ocation or other data (i.e.; Lot, Block and Addi-
		DOMESTIC AND IR	RIGATION FOR APRICALIMATELY
	Charm and Janth of Litter	3/4 OF AN ACRE	
-	Show exact depth of botto	upacama contracon the turner of analysis between the trace.	***************************************
1 701 • •	o do ha mano o a ton della	About and to be 8thed bon Ab	/00
County C		thrue copies to be filed by the owner with to in which the well is located, tissue copy to	
		plicable, so state, otherwise the form will	be Driller's Signature Non Konn

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Recorded Compared

STATE OF MONTANA

thereby certify that the within instrument year field in my cirkle on this.

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2.00

5V	Approved Stock Form-State Publishing Co., Heleng, Montana-39089
File No	TRCounty
DUPLICATE	County
	STATE OF MONTANA
	ADMINISTRATOR OF GROUNDWATER CODED ECEIVED AUG 14 1963
Decla	ation of Vested Groundwater Rights (Under Chapter 237, Montana Session Laws, 1965) TATE ENGINEER
1. W. H. Sop (Name of Apple County of Ruch's	of Route A Helena ropriator) (ark State of Montana (Town)
have appropriated grounds	vater according to the Montana laws in effect prior to January 1, 1962, as follows 2. The beneficial use on which the claim is based
	3. Date or approximate date of earliest beneficial use; and how continuous the use has been
*	(Continue) 5 63
	4. The amount of groundwater claimed (in miner's inches or gallon per minute)
6 ft, of lov 3 8 Barb 4 Sec/3 T/O R4	If used for irrigation, give the acreage and description of the land to which water has been applied and name of the owner there
14 Sec/3 T 10 R 4	, , , , , , , , , , , , , , , , , , ,
Indicate point of appropriation of place of use, if possible Each small square represents acres.	le. 10 6. The means of withdrawing such water from the ground and blocation of each well or other means of withdrawal
	3 M. P. Just Punga
	t and completion of the construction of the well wells, or other works for wit
	·
8. The depth of water table.	so fat.
works for the withdrawal	able, the type, size and depth of each well or the general specifications of any oth of groundwater.
77	65 fus dup.

10. The estimated amount of	groundwater withdrawn each year.
11. The log of formations enc	ountered in the drilling of each well if available
	not available

reference to book and page	a similar nature as may be useful in carrying out the policy of this act, including of any county record
	Mend
price + sin	Signature of Owner & W. H. Kupp
عسد لالعرب	
Sie Wo - 3	Date 8-12-63

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 Quadrup) cate for the Appropriator.