T 15	R 20	
County / CL	<i>5</i> (2)	

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOGEquipment used Stock K Water use: Domestic Municipal Irrigation Drainage Industrial Other: Type galvaing size 2 inch Casing: 3/ Talen et to 255/2 loute Casing: _____ft. to _____ft. Casing: ft. to ft. Perforated or Screen 4: Ft. 225 Type of screen or perforations halls cut in sign Static Water level, for non-flowing well: Shut-in pressure, for flowing well: _____lb./sq. in. on: (date) Pumping water level ______gal, per min._____gal, per min._____ How tested: Length of test..... Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

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

GW 4 17398 File No. DUPLICATE

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

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

(Unde	r Chapter 231, M	ontana Session Daws, 1	(301)			
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1. Clover of Smith of Littedge At. Lewisters

(Name of Appropriator) (Address) (Town)

County of State of Montana
have appropriated groundwater according to the Montana laws in effect prior to Jacuary 1, 1962, as follows:

NW45E4sec28 TI5 R20

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 stockwalle 1910 + continuously
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been #1-43a1/min. 1910 can -
- 4. The amount of groundwater claimed (in miner's inches or gailons per minute) # 1 - + gat / min. # 2 - 3gal/min.
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Maria
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 121711 April 1911
- 8. The depth of water table was a cl
- 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 1674 April 19
- 10. The estimated amount of groundwater withdrawn each year #1-2,102,400 #2-1,586,800
- 11. The log of formations encountered in the drilling of each well if available of the second encountered in the drilling of each well if available of the second encountered in the drilling of each well if available of the second encountered in the drilling of each well if available of the second encountered in the drilling of each well if available of the second encountered in the drilling of each well if available of the second encountered in the drilling of each well if available of the second encountered in the drilling of each well if available of the second encountered in the drilling of each well if available of the second encountered enco
- 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 Manie

Signature of Owner Clarence R. Smeth Date Dec. 30, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator. 17324

COPY State of Min as 16. See

Filed DEC 30 1963 19

at 3 55 o'clock P.M.

MAY RATHBUN

County Clerk and Recorder

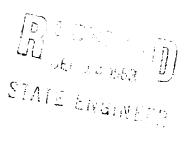
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DUPLICATE

County

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

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



(Name of Appropriator)		of. Gilt Edge Route, Lewis (Address)	(Town)
County of Forgus have appropriated groundwater accordings:	cordin	State of Montana laws in effect prior to	January 1, 1962, as fol
15 N. 19 E. 15 N. 20 E.	2.	The beneficial use on which the claim i	
25 W20	3.	Date or approximate date of earliest bentinuous the use has been	all used for stock
•34	4.	The amount of groundwater claimed (in per minute)300 miners inches for springs.	use of water from
s	5.	If used for irrigation, give the acreage lands to which water has been applied thereof None for irrigation a except	for less than one
ndicate point of appropriation nd place of use, if possible. Cach small square represents 10 cres.	6.	The means of withdrawing such water for location of each well or other means of	from the ground and the withdrawalThere is
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The date of commencement and condrawal of groundwaterWell.gu	nk in	ion of the construction of the well, wells, 1948 - 64 feet deep. Well is used for the tely 65 feet to 75 feet.	or other works for wit r domestic purposes
The date of commencement and condrawal of groundwater	nk in wima	ion of the construction of the well, wells, 1948 - 64 feet deep. Well is used for	or other works for with a domestic purposes.
The date of commencement and condrawal of groundwater	wime ype, si groun ater w	ion of the construction of the well, wells, 1948 - 64 feet deep. Well is used for tely 65 feet to 75 feet. ze and depth of each well or the gener	or other works for with a domestic purposes ral specifications of arth a pump.
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The date of commencement and condrawal of groundwater	wime ype, si groun ater w in the	ion of the construction of the well, wells, 1948 - 64 feet deep. Well is used for tely 65 feet to 75 feet. ze and depth of each well or the gener dwater. The well is a drilled well withdrawn each year. Don't know how drilling of each well if available. Not a tree as may be useful in carrying out the poor	or other works for with a domestic purposes ral specifications of arth a pump. The spump. The stimate. Probability of this act, including the spump.
The date of commencement and condrawal of groundwater	wime ype, si groun ater w in the	ion of the construction of the well, wells, 1948 - 64 feet deep. Well is used for tely 65 feet to 75 feet. ze and depth of each well or the general dwater. The well is a drilled well with withdrawn each year. Don't know how drilling of each well if available. Not a record. No county record.	or other works for with a domestic purposes ral specifications of arth a pump. It is estimate. Probable.
The date of commencement and condrawal of groundwater	wime ype, si groun ater w in the	ion of the construction of the well, wells, 1948 - 64 feet deep. Well is used for tely 65 feet to 75 feet. ze and depth of each well or the gener dwater. The well is a drilled well withdrawn each year. Don't know how drilling of each well if available. Not a tree as may be useful in carrying out the poor	or other works for we domestic purpose ral specifications of the pump. to estimate. Provailable.

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 Coology and Quadruplicate for the Appropriator.

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•••	GROUNDWATER INDEX			Page of
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Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
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STATE ENGINEMONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOG

Owner Eugene 3 Mirch Address Deltelys Route	
Driller Wellman & Murear Drlg. Co. Address Space Range, Worth	-
Date Started Sept. 30-1959 Date Completed Oct. 7-1959	
Location: Sec. 14 T 15 R 21 E 1/4 sec E 2 5 W 2	
Type of well Drilled Equipment used Atay (Churn drie, rotary, other)	
Water use: Domestic Municipal Stock Irrigation	
Industrial Drainage Other:	
Casing: O st to 174 st. Type thereto's Coyled Size 6"O.d.	
Casing: Size Size	
Casing: Size Size	
Perforated or Screened: Ft to ft	
Type of screen or perforations	
Static Water level, for non-flowing well:	
Shut-in pressure, for flowing well: aprox. 30 lb./sq. in. on: 19759 (date)	
Pumping water levelgal. per mingal.	
How tested:	
Length of test	
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)	
(over)	

Depth, feet From To	Description of Material Drilled	
0 2	sufact soil	
0 Z 2 49	Brown sond & shale	
49 89	shaley sand	
89 90	red stale	
90 105	shaley sand	
105 115	hard sand	
115 125	shaley sand	
125 135	and	
135 140	sand	
140 170	red shale & silt	
170 173	frem sand	
173 200	song shale	
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STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237. Montana Session Laws, 1961)

••••••••••	(Name o	of Appropriator)	of (Address) (Town)
Coun	ty of	FERGUS	State of MONTANA
have lows:		groundwater accor	ding to the Montana laws in effect prior to January 1, 1962, as
	×		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
		E	Oct 7, 1959, continuous
			4. The amount of groundwater claimed (in miner's inches or gal per minute) 12 gallons per minute
			
-1 < 4//-	5	'	5. If used for irrigation, give the acreage and description of lands to which water has been applied and name of the own thereof. 5. acres. Richlands Cooking Marketine 14
	Sec 1,4 . T.]	=	thereof 5 acres - EgSWk of Section 14, T. R. 21
and plac	point of app ce of use, if all square rep	possible.	EUGENE S. MACK & ROSE M. MACK 6. The means of withdrawing such water from the ground and location of each well or other means of withdrawal
		Cocino 20	location of each well or other mount of withdrawal
acres. 7. The	date of comme	encement and comp	Flowing well ELSWA of Section 14, T. 15, R. 21 sletion of the construction of the well, wells, or other works for w
7. The draw	date of comme al of groundw	ater Start:	Flowing well ELSWL of Section 14, T. 15, R. 21
7. The draw	date of comme al of groundw depth of water	r table 208	Flowing well ELSW of Section 14, T. 15, R. 21 eletion of the construction of the well, wells, or other works for wells, 30, 1959 - Completion: Oct. 7, 1959
7. The draw	date of commercial of groundw	r table 208 available, the type	Flowing well ELSWA of Section 14, T. 15, R. 21 sletion of the construction of the well, wells, or other works for w
7. The draw	date of commercial of groundw	r table 208 available, the type	Flowing well Etswit of Section 14, T. 15, R. 21 Deletion of the construction of the well, wells, or other works for well sept. 30, 1959 - Completion: Oct. 7, 1959 Etswit of Section 14, T. 15, R. 21 Sept. 30, 1959 - Completion: Oct. 7, 1959 Etswit of the construction of the well or the general specifications of bundwater Type: Drilled, threaded, coupled, co
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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.

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State of Montana, County of Fergus.

Filed AUS 27 1962 19— at 10:15 o'clock A: M. Course Clerk and Recorder

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DUPLICATE

County Fergus

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1981)

	c/o U. S. Corps of Engineers
United States of America	of Box 1425, Great Palls, Montana
(Name of Appropriator)	
County of Cascade	State of Montana
have appropriated groundwater acco	rding to the Montana laws in effect prior to January 1, 1962, as follows:
N N	
	2. The beneficial use on which the claim is based
	Domestic use
	3. Date or approximate date of earliest beneficial use; and how con-
	tinuous the use has been
	30 September 1960
	Continuous use
	4. The amount of groundwater claimed (in miner's inches or gallons
	per minute) 2 gallons per minute
	5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
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place of use, if possible.	6. The means of withdrawing such water from the ground and the
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The date of commencement and con drawal of groundwater	pletion of the construction of the well, wells, or other works for with-
The date of commencement and con drawal of groundwater	pletion of the construction of the well, wells, or other works for with- Scarred - 28 September 1960
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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.

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Piled APR 1 1 1962

APR 1 1 1962

The Rolling Country Country Country Clerk and Recorder

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County Fergus

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER.

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961) STATE ENGLESS.

(Name of Appropriator)		, of Grass R	(Town)
Committee of Participation			
have appropriated groundwater acco	ording to the	State of Montana Montana laws in effect prior to Januar	y 1, 1962, as follows:
15 N 19	0 71 1	**	We toring
		eneficial use on which the claim is based.	
	5.50	ock and Domestic use	
	3 Date	or approximate date of earliest beneficie	I use and how con-
	tinnon	is the use has been 1914 on al	1 three wells
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	······	well	
L	5. It use	d for irrigation, give the acreage and de tich water has been applied and name	scription of the lands
25Wy, de 14, T.15, R.21		none	
14 SE4 Sec / T / J R 2/	**********	ALMAIN	
• • •	**********		
dicate point of appropriation			
nd place of use, if possible. ach small square represents 10		means of withdrawing such water from	
res.	locati	on of each well or other means of withe	irawal dipped
	011	t by hand and bucket	
drawal of groundwater			
drawal of groundwater	t. 20. fee:	d depth of each well or the general speci 25 deep 2 in democratic	fications of any othe
drawal of groundwater	t. 20. fee:	d depth of each well or the general speci 25 deep 2 in demoter; re- pump; #2-25 deep 2 in a	fications of any other
drawal of groundwater	t. 20. feet type, size and dwater. #1s. or. hand deep, 6.	d depth of each well or the general speci 25 deep 2 in demoter; roump; #2-25 deep, 2 in aquare; both 2 and 3 are	fications of any other cked out and liameter, some rocked out
drawal of groundwater	t 20 feestype, size and water #12. ox hand of removaler withdray	d depth of each well or the general speci 25 deep, 2 in demeter; re- pump; #2-25 deep, 2 in a square; both 2 and 3 are	fications of any other cand liameter, some rocked out
drawal of groundwater	type, size and water. #19	d depth of each well or the general speci 25 deep 2 in demoter; roump; #2-25 deep, 2 in aquare; both 2 and 3 are	fications of any other card out and liameter, some rocked out out on per year not sysilable
drawal of groundwater	type, size and water. #19	d depth of each well or the general speci 25 deep, 2 in demeter; romp; #2-25 deep, 2 in a square; both 2 and 3 are 1,576,800 gello	fications of any other cked out and liameter, some rocked out and sper year not sysilable
drawal of groundwater	type, size and water. #19	d depth of each well or the general speci 25 deep, 2 in demeter; romp; #2-25 deep, 2 in a square; both 2 and 3 are 1,576,800 gello	fications of any other cked out and liameter, some rocked out and some per year not sysilable
drawal of groundwater	t 20 fees type, size and dwater #1n. or hand dep, 6 of remove ater withdraw in the drilli nature as meanty record	d depth of each well or the general specience of deep, 2 in demoter; repump; #2-25 deep, 2 in a square; both 2 and 3 are allown each year	fications of any other cked out and liameter, some rocked out on the per year not available of this act, including
drawal of groundwater	t 20 feet type, size and dwater #1n. or hand deep, 6 of remove ater withdraw in the drilli	d depth of each well or the general speci 25 deep 2 in dameter; romanic 225 deep 2 in	fications of any other cked out and liams ter, some rocked out on the color of this act, including
drawal of groundwater	t 20 feet type, size and dwater #1n. or hand deep, 6 of remove ater withdraw in the drilli	d depth of each well or the general specience 25 deep, 2 in demoter; repump; #2-25 deep, 2 in a square; both 2 and 3 are al. In each year 1,576,800 gellows as the second of each well if available. The second of each well in carrying out the policy in care.	fications of any other cked out and liameter, some rocked out and many par year not sysilable of this act, including
drawal of groundwater	t 20 feet type, size and dwater #1n. or hand deep, 6 of remove ater withdraw in the drilli	d depth of each well or the general specience 25 deep, 2 in demoter; repump; #2-25 deep, 2 in a square; both 2 and 3 are al. In each year 1,576,800 gellows as the second of each well if available. The second of each well in carrying out the policy in care.	fications of any other cked out and liameter, some rocked out and many par year not sysilable of this act, including
drawal of groundwater	t 20 feet type, size and dwater #1n. or hand deep, 6 of remove ater withdraw in the drilli	d depth of each well or the general specience 25 deep, 2 in demoter; repump; #2-25 deep, 2 in general specience, and 3 are all. In each year 1,576,800 gellows as the second of each well if available as the policy second of the policy secon	fications of any other cked out and liameter, some rocked out and many par year not sysilable of this act, including

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

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

Original to the County Clerk and Recorder: duplicate to the State Engineer: Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator. 6465

15827 COPY

State of Montana.

County of Ferous.

S. O. 2 O'clock I.M.

County Clerk and Recorder

200 A.

File	No	į	ij	Ö	 ()	
rne					 	

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T	R	
County	1.2	· . 3

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER-

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

	County of TINGU have appropriated groundwater acclows:	្ជcordir	(Address) (Town) State of NOTIFALL. IN THE Montana laws in effect prior to January 1, 1962, as fol-
	N	2.	The beneficial use on which the claim is based
			Stock Water
		3.	Date or approximate date of earliest beneficial use; and how continuous the use has been
w -	E		
		4.	The amount of groundwater claimed (in miner's inches or gallons
my =			per minute) 400 gal. per hr
L	S	5.	If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner
1207 13	ant or		thereof liab used lar irrigation
	SE 15 T/5 R.21		
	dicate point of appropriation displace of use, if possible.	6.	The means of withdrawing such water from the ground and the
	ch small square represents 10		location of each well or other means of withdrawal
acı	res.		1/2" pump; REARCED Section 15
7.			tion of the construction of the well, wells, or other works for with prember, 1950; completed hovember, 1955;
8.	The depth of water table 10 f	đ Sc t. ype, s	eptember, 1950; completed November, 1955;
8.	The depth of water table 10 for the start works for the withdrawal of	d Sc t. ype, s grou	eptember, 1950; completed November, 1955; dize and depth of each well or the general specifications of any adwater
8.	The depth of water table 10 for the start works for the withdrawal of	d Sc t. ype, s grou	eptember, 1950; completed November, 1955; dize and depth of each well or the general specifications of any adwater
8.	The depth of water table 10 for the start works for the withdrawal of	d Sc t. ype, s grou	eptember, 1950; completed November, 1955; dize and depth of each well or the general specifications of any adwater
8.	The depth of water table 10 f So far as it may be available, the tother works for the withdrawal of Type: Concrete walls	d 3d t. ype, s groun	eptember, 1950; completed November, 1955; dize and depth of each well or the general specifications of any dwater top; 2" pipe for pump; with manhole
8. 9.	The depth of water table 10 f So far as it may be available, the tother works for the withdrawal of Type: Concrete walls The estimated amount of groundw	t. ype, s groun and	eptember, 1950; completed November, 1955; size and depth of each well or the general specifications of any indwater top; 2" pipe for pump; with manhole withdrawn each year 150,600
8. 9.	The depth of water table 10 f So far as it may be available, the tother works for the withdrawal of Type: Concrete walls The estimated amount of groundw	t. ype, s groun and	eptember, 1950; completed November, 1955; size and depth of each well or the general specifications of any indwater top; 2" pipe for pump; with manhole withdrawn each year 150,600
8. 9.	The depth of water table 10 f So far as it may be available, the tother works for the withdrawal of Type: Concrete walls The estimated amount of groundw	t. ype, s groun and	eptember, 1950; completed November, 1955; size and depth of each well or the general specifications of any idwater top; 2" pipe for pump; with manhole withdrawn each year 150,600
8. 9. 10. 11.	The depth of water table 10 f So far as it may be available, the tother works for the withdrawal of Type: Concrete walls The estimated amount of groundw The log of formations encountered	t. ype, s groun and ater	eptember, 1950; completed Rovember, 1955; dize and depth of each well or the general specifications of any adwater top; 2" pipe for pump; with manhole withdrawn each year 150,600 e drilling of each well if available 150 to taken
8. 9. 10. 11.	The depth of water table 10 f So far as it may be available, the tyother works for the withdrawal of Type: Concrete walls The estimated amount of groundw The log of formations encountered Such other information of a similar	t. ype, s groun and ater	top; 2" pipe for pump; with manhole withdrawn each year 150,600 e drilling of each well if available 150 taken

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.

10840 COFY

State of Montana, County of Fergus. ss.

Filed AUG 27 1962

ot 10:15 o'clock A: M.

Way Rathbun

Country Clerk and Recorder

AJos pt

T. 15 K	R 21 E
County. For	u s

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOG

	Owner Sam	en slla	5		22arbb A	Wilt Mdg Lewistow	e Kt n, Montana
	ĺ					Stanford	
						mpleted Jan.	
	Location: Sec.	17	15 N	R 21 E 1/4	sec	SENE	
Type of well	Irilled (Dug, driven, bored	I, or drilled)	Equip	ment used	Ro (Chi	ts ry	neri
Water use: Domestic	 1	Municipal		Stock		Irrigation	[]
Industrial		Drainage		Other:		•••••	***************************************
Casing: 0	ft. to. 485	f t.	Type al	renized	Size	2**	
Casing:	ft. to	ft.	Туре		Size		
Casing:	ft. to	ft.	Туре		Size	·····	
Perforated or Screene	d: Ft. 465	to ft	485	Ft	••••••••	to ft	
Type of screen or perfo	orations	7ea	rforated	pipe	••		
Static Water level, for	non-flowing well	:					feet.
Shut-in pressure, for f	lowing well:		15	./s q . in. on:			
Pumping water level	flowing	feet	at	18		(date) (al. per min	
How tested:		•••••	••••••	*****************************			••••••••••
Length of test		******		****************			
Remarks: (Gravel pa	cking, cementing			t-off, depth		ff)	
			•••••		************	••••	•••••
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			***************************************	•••••••••••	*******
				<i>,,,,,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	************		
	***************************************		,				
	•	***************	(OVET)				***************************************
A PROPERTY OF THE PROPERTY OF			(over)				

Log of Well

***	n, feet	Description of Material Drilled
From	То	Description of Material Diffied
0	8	Overburden
		Soft sandstone producing a small trace of water Sandy shale Bluish gray shale Trey and write shale
8	30	Soft sandstone producing a small trace of water
30	55	Sandy shale
58	75	bluish gray shale
75	95	Trey and wilte Simle
95	110	Sandy w ite shale
10	135	Sandy grey shale
132	195	Red shale
195	550	Ganda tone
220	26 5	Candstone and sandy shale
26 5	285	Cand and madium hand sandsions
28 5	500	Fard sandstone
		Hard candstone with small streaks of sandy scale
300	340 350	Sandy shale
540 350	396	Candstone and sandy shale
396	419	rey and white shale
	425	rey and white shale with small amount of bentunite
419 425	465	Candy shale with atringers of sandstone
465	485	Soft sandstone
48 5	495	

T. 15 orth R 21 5ast

County Pergus County Hontans

MONTANA BUREAU OF MINES . ND GEOLOGY Butte, Montana

WATER WELL LOG

	Onman Ring	mia T. Dol			Address	T al mb as as	All and and
	Owner	de alertis ale 🐠 defidit			Address	LONLINAMEN	
	DrillerQ.	C. Thatch	3.		. Address	Stanford,	Montana
X_	Date Started	Jarmary	14, 19	56	Date Com	pletedJuly	1, 195 <u>°</u>
	Location: Sec.	21	15	R 34	secE	SE.	
Type of well	(Dug, driven, bored	1. or drilled)	 Eqt	ipment used	Rotary	n drill, rotary, ot	her)
Water use: Domestic	x	Municipal		Stock		Irrigation	
Industrial		Drainage		Other:			******************************
Casing:	ft. to 23.2	ft.	Type	mlvanised	Size	·-##·····	••••••
Casing:	ft. to	f t.	Туре		Size		
Casing:	ft. to	ft.	Туре		Size		
Perforated or Screened	l: Ft eg	to ft	145	Ft	••••••	to ft	
Type of screen or perfor	rations	⊘49 g	Σ}αα	arred			
Static Water level, for n							
Shut-in pressure, for flo							
Pumping water level	347	feet	t at	5	ga	l. per min	
How tested:bas							
Length of test	-						
Remarks: (Gravek pac							
,						·	
	••••				· bit in	er aurug	
			*****		••••••		
					•		
	****	***				.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	*****************
			(over)				*************************

Log of Well

rom		Description of Material Drilled
	To	
•		
<u> </u>	<u>14</u>	Overburden
14	17	Sandstone
17	22	Red Shale
22	55	Sandy Shale
55	95	Soft Sandstone
95	105	Sandy Shale
105	145	Soft Sandstone
145	199	Soft Sandstone
199	245	Sandstone (water)
24,5	265	Grey and White Shale
256	270	Coal
270	310	Grey Shall with Coal
310		Black Shale
330	365	Sandstone
365	-	•
	395	Grey Shale
395 397	397 155	Sandstone Grey and White Shale
455	455 46 0	Sandstone
460	467	Grey and White Shale
467	473	Sandstone
473	473 483	Grey Shale
483	1,65	Sendstone
		Grey Shale
485	' J. VILI	
485	490 498	
490	498	Sandstone
490 498	498 5 01	Sandstone Grey Shale
490 498	498 5 01	Sandstone Grey Shale Grey Shale with layers of Sandstone and Limestone Well pumps approximately 5 gallons per minute. Cased with
490 498	498 5 01	Sandstone Grey Shale Grey Shale with layers of Sandstone and Limestone
490 498	498 5 01	Sandstone Grey Shale Grey Shale with layers of Sandstone and Limestone Well pumps approximately 5 gallons per minute. Cased with
490 498	498 5 01	Sandstone Grey Shale Grey Shale with layers of Sandstone and Limestone Well pumps approximately 5 gallons per minute. Cased with
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490 498	498 5 01	Sandstone Grey Shale Grey Shale with layers of Sandstone and Limestone Well pumps approximately 5 gallons per minute. Cased with
490 498	498 5 01	Sandstone Grey Shale Grey Shale with layers of Sandstone and Limestone Well pumps approximately 5 gallons per minute. Cased with
490 498	498 5 01	Sandstone Grey Shale Grey Shale with layers of Sandstone and Limestone Well pumps approximately 5 gallons per minute. Cased with 4m galvanized pipes
490 498	498 5 01	Sandstone Grey Shale Grey Shale with layers of Sandstone and Limestone Well pumps approximately 5 gallons per minute. Cased with 4 galvanized pipe.
490 498	498 5 01	Sandstone Grey Shale Grey Shale with layers of Sandstone and Limestone Well pumps approximately 5 gallons per minute. Cased with 4 galvanized pipe.
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490 498	498 5 01	Sandstone Grey Shale Grey Shale with layers of Sandstone and Limestone Well pumps approximately 5 gallons per minute. Cased with 4 galvanized pipe.

11919 File No.

T....15.....R......

DUPLICATE

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Top of Ground (Elev. above sea level.....)

Notice of Completion of Groundwater Appropriation by Means of Well INEER

urfice soil

ded clay

condider te

Lenetic sind

Owner Send Olland Address Grass Kange, Tont. Driller ellran & nunson Drl Address Grass Kinge, Font.

(Under Chapter 237, Montana Session Laws, 1961)

Date of Notice of Appropriation of Groundwater. To Fot applicable F

... It as esser and T. Trate well started 10/27/62 Date Completed 11/2/62 Type of well (dug, driven, bored or led (Churn, drill, rotary of tary

> Water Use: Domestic 🖂 Municipal [Other 🔲 Irrigation [Stock 🔂 Industrial [Drainage [

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

Sire of DrWed	Size and Weight of	From (Feet)	To (Feet)	PERFORATIONS			
Hole	Casing			Kind Size	From (Feet)	To (Feet)	
5 5/8	11 4b.4	O	55	Forch	39	50	
		i	i	1			
			4	1			

Static Water Level for non-flowing Well...

fullicate location of Well and

Shut-in Pressure for Flowing Well.... Pumping Water Level................feet at. 10 gal. per minute. Discharge in gal, per min, of flowing well..... How Tested Doller trump Length of Test Acecuste Remarks: (Gravel packing, cementing, packers, type of shutoff, loca-

tion of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation).

Comented

Show exact depth of bottom.

place of use, if possible. Each small square represents 10 acres.

Driller's latense Number

ellmen a sunson orle. co. Inc.

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

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

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

COPY

at . 12: 40 o'cock P.M.

Way Rathun
County Clerk and Recorder

4200pe

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15326 File No...

T. 15 R. 22

Stepholad Social Enter Charles Stepholad Configuration Notes (1997)

DUPLICATE

County Fergus

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) ROS 1.2.3.4 - about 5 gallons per
2. The beneficial use on which the claim is based. ***Matering Stock and Dougstic purposes 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1930 and 1962 4. The amount of groundwater claimed (in miner's inches or gallons per minute). ***ROS. 1.2.3.4 - about 5 gallons per
2. The beneficial use on which the claim is based. Watering Stock and Dougstic purposes 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1930 and 1962 4. The amount of groundwater claimed (in miner's inches or gallons per minute). NOS. 1.2.3.4 - about 5 gallons per
Stock and Dowstic purposes 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1930 and 1962 4. The amount of groundwater claimed (in miner's inches or gallons per minute) ROS 1.2.3.4 - about 5 gallons per
Stock and Dowstic purposes 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1930 and 1962 4. The amount of groundwater claimed (in miner's inches or gallons per minute) ROS 1.2.3.4 - about 5 gallons per
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4. The amount of groundwater claimed (in miner's inches or gallons per minute) ROS 1.2.3.4 - about 5 gallons per
4. The amount of groundwater claimed (in miner's inches or gallons per minute) ROS 1.2.3.4 - about 5 gallons per
per minute) Nos. 1.2.3.4 - about 5 gallons per
per minute) Nos. 1.2.3.4 - about 5 gallons per
per minute) NOB 1,4 - 100UL 3 gallons per
minute: 1 cellos perminute
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 thereog
6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal
are flowing wells developed from springs
level on all except #2 - 8 deep and #3 - 25 deep size and depth of each well or the general specifications of any other ter. Well #1 4 in damager and is commutad; (so i or by bucket; #3- rocked out and dipped out
i runs out naturally; P5 surface and runs out.
withdrawn cach year 9,482,000 gallons per year
the drilling of each well if available
cure as may be useful in carrying out the policy of this act, including ty 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.

15826 COP

State of Montana, Country of Forgus. ss.

Filed OCT 171963 19

of 3: 00 o'clock T. M.

Way Rithur

Country Clerk and Recorder

42.00

Form No. 18 8-60

T15_1	7	_R	21	E
County	Fergus			

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

. .

WATER WELL LOG

		$\mathcal{M}_{\mathcal{A}}$, which is a second of $\mathcal{M}_{\mathcal{A}}$
* Owner Melvill	e Snider	Address Grass Range, Montana
Driller Wellma	n & Munson Drlg. Co.	. Address <u>Grass Range, Montan</u> a
Date Started_	October 22-1961	Date Completed October 27-1961
	. 24 T. 15 N R.	21 E 4 sec. NE: NE:
Type of well Drilled	Equipment us	ed Rotary (thurn, plii, potary, other)
Water use: Domestic Mu	unicipal 🔲 Stock	* Irrigation [
Industrial 🔲 🛚	rainage 0ther	
Casing: 0 ft. to 15	ft. Type Steel	Size 6 inch
Casing: 0 ft. to 148	ft. Type Steel	ll Lb. Size 4½ o. d.
Casing:ft. to	ft. Type	Size
Perforated or Screened: Ft	to ft	Ftto ft
Type of screen or perforations		
Static Water level, for non-flo	owing well:	feet.
Shut-in pressure, for flowing w	well: approx. 30 1b.	/sq. in. on: 10/27/61 (1.te)
Pumping water level	feet at	gal. per min.
How tested:		
Length of test		
Remarks: (Gravel packing, cemes shut-off)		ne of shut-off, depth of
Cone packer at 146	ft. Cone packer at	t 15 ft. Cemented
	(over)	

Log of Well

		Log of Well
Deptl From	n, feet To	Description of Material Drilled
0	4	Surface soil
4	12	Gravel
18	18	Brown shale
18	35	Shale brownish black
35	45	Sandy shale
45	75	Shale black
75	130	Black sandy shale
130	132	Red shale
132	136	Green clay
136	147	Green sand firm
147	180	Sand grey green
180	190	Sand good perosity (water)
190	200	Silty sand
200	204	Varrigated shale
	:	
		\$ \$
		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
		3 2 0
	!	82 = 5
		N OCC
		2 5
		

DUPLICATE

File No.

 $_{T}$ 150 $_{R}$ 51 $_{\odot}$

County Fergus

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

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

		The second second section is a second
elville Snider	of Rural-	Grass Range
(Name of Appropriator)	(Address)	(Town)
County of	State of Honta cording to the Montana laws in effec	
Spring	2. The beneficial use on which the stock water & I	e claim is based rrigation & Sub-irrigat
	Irrigation from Epr Dug well used for st	ock water & irrigation ?
WOLL in the second	sign If used for irrigation, give th lands to which water has been thereof 5 acres in s	e acreage and description of the applied and name of the owner
E 14 NE Sec. 24 T 15 R 21		orothy C Snider Estate
ndicate point of appropriation and place of use, if possible. Each small square represents 10 cres.	6. The means of withdrawing suc	
The date of commencement and be drawal of groundwater Spring		
. The depth of water table	186 Ft. Artesian well -	Spring & well 12 ft.
	ype, size and depth of each well or	the general specifications of any
2000 foot of 2 inch	pipe from spring	
The estimated amount of groundway	ater withdrawn each year 150,	COO Barrels
thdrawal Spring over a mi The log of formations encountered in Colorado Shale & T.D. I	n the drilling of each well if available n The Second Cat Creek.	e Spunded into the
Spring in gravel.		
reference to book and page of any	nature as may be useful in carrying county record.	out the policy of this act, including
		Helville Snider Pate Pebruary 1, 1962
area conies to be filed by the owner u	with the County Clerk and Recorder of	•

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

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

1483

8623 COP

PHOD FEB 15 1962

Thirts o'clock ft M.

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4)4.62

GROUN	DWATER INDEX	•		Pageof	
_		**)			
Count	у		kge		
Sec.	Name of Appropriator	Type of Form	County File No.	Remarks	
1	William Charles and the same				
	A CONTRACTOR OF THE CONTRACTOR				
	and the state of t		-	.—,	
	A September 1 September 1				
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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	Chapte	r 237 M oi	ntana	Session	n la	ws, 19	61, as	amen	ded)
		prepared							

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,

Hole	of Casing		1	Kind	Erom	To
Size of Drilled	Size and Weight	From (Feet)	To (Feet)	PE	RFORATIONS	C 2 9
ESTIMATED	ANNUAL	WITHDRAY	valcoul	لزز عيس ن	بالروباؤروا	
and A	Addition)	• • • • • • • • • • • • • • • • • • • •				
state	number of	acres and	location o	or other data	(i.e. Lot, Bl	ock
					other. Expl	
*Describe			·····			•
Indu	strial 🗌	Drainage	☐ Oth	er □* G	iarden/Lawn	Ð
Water Use:	Domestic	¥∏ Mu	nicipal 📋	Stock 🖅	Irrigation	
Equipment	usedஆல	[]	(C1	urn orlii, rotary	or other)	
			(Dup	, driven, bored o	r drilled)	
Type of we	المناسبة	-i.				
com	ويقا. ,pleted	1.472				
Date well s	ريزين يtarted	مناو 1 سنات	G	w 1. //:=	8	
		•		Turvic	4 1973	
Address	الملاسسة المساسدة		t	le . 5/080	Z	
Owner	يسامه مسالكن الأوادي	. التوليد المداملة		For Admini	strator's Use	

Size of Drilled	Size and Weight	From (Feet)	To (Feet)	PERFORATIONS						,
Hole Shi	of Casing	J	10.	Kind Size	From (Feet)	To (Feet)				
U 3/6"	15 / tt.	1 00	150 1371 1371	Jet 2shots /: t.	1250 1310 1550 1	1300 1320				

		P	¥ 						
	>	- ~							
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	forhours. Power 20 Pump Remarks: (Gravel packing, cementic packers, type of shutoff)
S	comented 1971 to 0
¼ 44 ¼ Sec. 1	
T15 N R. 22 E	
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INDIC	ATE	FO	CATIO	N C	F	WELL	AN	D	PLACE	OF	USE,	IF	POSSIBLE.
EACH	SMA	XLI	SQUA	RE I	REI	PRESEN	ITS	40	ACRES	5.			

Driller's Signature B. Munson,	
Driller's Address Grange Mont	,
LICENSE NO.	1

DRILLER'S LOG

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

ion Laws, 1961, as amended)	Top of	Ground	(Elev. above sea level)
and three copies to be filed and Recorder in the county in	From (Feet)	To (Feet)	
to be retained by driller.		<u> </u>	Contract of the Costile
oplicable, so state, otherwise the	10.10	1.57	hele- series strice
and the same of th	7,7	7.	ishalo dancy shalo sari
For Administrator's Use	7.		leck while isecus
	27.	73	Sand and shale atrice
File 5/08.2	781	500	band (First vat brack
June 4 1973		 	blich shele treeks
1/ 22 0	300	3 1	red-reenish white silt
GW 1 1/.3C A.T.			alt and despendend
			ist lench 2nd vat treek-
	ينتنا	<u> 1990 </u>	ing shele-lime and
(Dug, driven, bored or drilled)	300	1025	tilty sand atreaks
(Dag, driven, sorted of driving)	144	1111	E had in preen clays
(Churn ariit, rotary or other)		3	sand streaks
il 📋 Stock 🔂 Irrigation 🔲	<u> </u>	4004	of 2nd Lar Greek Sand
	1051	1150	Tite dirty sand strks
Other []* Garden/Lawn 🛜			imey sand streaks
	نقلد	1666	Hard liney bane chunky
al, drainage or other. Explain,			creek sand
ion or other data (i.e. Lot, Block	1222	ريار 1	Sand tite-limey shale
			strks intervals laft.
in the second	13001	3.7	band and hydro-carbon
oute nes stade, our et	1.37	1350	to shale Top Jorrison Ked speks and sund-
PERFORATIONS			limey shalo streks
Kind From To Size (Fert) (Feet)	1010	256	reen specks
	1320	1360	rey to white
0 Jet 1250 1300	1300	1371	Shale to hard limey
1 2shota 1310 1320			sano
71 /: 6. 1390 1300	1371	المنا	
			
Control of the Contro	<u>,</u>		
Static water level :ft.			
at 🚨gallons per minute			
measured@iniminutes after pumping	9	<u> </u>	
began. *Measured from ground level.		 	
Well developed by the particular way	lirs		
forhours.			
Power 20 Pump 5 H		 	
Remarks: (Gravel packing, cementing packers, type of shutoff)			
comented 1971 to U			
		ļ	
		 	
D DIACE OF USE IF DOCUME			
D PLACE OF USE, IF POSSIBLE. 40 ACRES.			
Λ -		 	
\ 11 M & A & A & A			
Munson, Most			

1371 Show exact depth of bottom

State of Montana)
County of Fergus) rs.
JUN 4 1973
Filed

at 11:30 o'clock A.M.

My Rottler

County Clerk and Recorder.

File No. 39399

Top of Ground

LOG

DUPLICATE

~ T.15.... R 22...

County.....

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE STATE WATER CONSERVATION BOARD

to	(Elev. above sea level	•	ice of Co	-	_			er				
3½ t.	surface soil	-	ppropria DEVELOI		DY ME FTER JAN							
to		(Under	Chapter 237	Monta	na Session	Laws, 196	61, as ameno	ded)				
5211	shale, tentonite streak	c Owner. Lest	er Fitzge	erald	Addres	sure	ss Range	e, Mont				
to	grading to streaks shaley sand	Drilleridun	son Drill	Ling	Addres	Grass	Range, I	Mont.				
		Date of Notic	e of appropri	ation o	f groundwa	terr.ot	applica	abla				
5381 	First Cat Creek Sand very poor porosit	Date of Notice of appropriation of groundwater not applicable Date well started 28, 1,70. Date completed peb. 10,1970										
_	10,2-20, sub angular sand. little H2O indicated	Type of well	ug, diven, bore	d or dri	Equipme	nt used (Ch	u FiQFAT ible	ry or other)				
558	silty sand lenses	Water use:	Domesti Industria		Municipal [Drainage [tock 💆 Ire	rigation [
to	hard shale streaks	met with in depth at which	on the diagrand in the diagram is such a second in the diagram is end in the diagram is	as soil, counter	clay, shale, ed, thickness	gravel, ros and char	ock or sand, racter of war	etc. Show				
5 6 !	Top of Kootenai red clay streaks	Stre of	Size and	From	To		PERFORATION					
to	some chert	Drilled Hole	Weight of Casing	(Feet)	(Feet)	Kind Size	From (Feet)	To (Fert)				
60 701	reddish shale dirty limey sand streak		8 5/8 22#	0	38							
EO	intervals of chert	Słe	4 · 8.0	- 3 8 ⊕ 0	780 704							
to 704	very hard limey sand Cap rock of second bene of Second Sand of the Rootenai formation	eh		on the second								
			N		Static Wate	er Level	for non-flo	wing well				
743	limey sand to very firm sand and lime stres	ks			Shut-in Pres	ssure for	Flowing W	wyi.j 4				
±0					Pumping W	ater Lev	el	feet				
780	greyish sand and limey streaks	w		E			. per minut					
	Sand Fractured and				Discharge ii	n gal. per	r min. of fi	owing well				
	good porosity				How Tested	đ	21					
T.D				- }								
			5		, .		cking, cemen					
	occ. No 39499	SE VANESect	T.J.SH R	egu:	ers, type of	shutoff).	cemented					
	1 1 6 11 11 11 12 12 12 12 12 12 12 12 12 12		if possible. I e represents	Each	7041	78-550	cemen	rceu				
"	yer Mi	acres.			ceve c	atcher	s at 520	1-556				
						(Co	ntinue on re	verse side)				
			d for irrigati r of acres and									
						****	*** - *****					
1	Show exact denth of hottom											

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 Licens 26 umber B. M. Munson
Driller's Signature.

CO:

State of Montana, County of Fergus 38. MAR 6

1970

County Clerk and Recorder

File No. 17851

T 15 R 22

DUPLICATE

County Fergus

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER LANGE 100

	Top of Ground		•				JAN 6	1964	
	(Elev. above sea level)	otice of	Comploriation					
	Surface Soil			hapter 237.					
	Gravel	Owner.A	yers Ranci	n Colony	Addre	_{ss} Grass	Range,	Mont.	
	Black Shale	Drille#9	llman & M	unson Dr	18Addre	ss Grass	Range,	Mont.	
	DIGCK CHOIG	Date of	Notice of Appr	opriation of	Groundwa	ater Not	pplica	ble	
	Sheley Sand	Date we	ll started 11/	4/63	Date (Completed	11/18/	63	
	and		wellDrill riven, bored or	ed .		ment Used n, drill, rotar r)			
	Black silty shale	Water I	lse: Domestic Industrial		nicipal [rrigation 🛚	
	Greenish sand		licate on the det	4,					
	White to grey clay		pth at which v strata and hei					er of water-	
	The state of the s	Size of Drilled	Sire and Weight of	From (Feet)	To (Feet)	PERFORATIONS			
	White Sand (Water)	Hole E G/D	Casing 2.3		3.00	Kind Size	From (Feet)	To (Peet)	
	Red Shale T. D.	3 3/6	11 _i , 4½	0	190	Torch	160	190	
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					r	•			
	N	Ste	itic Water Leve	d for non-fi	nwing Wel		The second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the section is section in the section in the section is section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section in the section is section in the section in the section in the section is section in the se	fcet	
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		į.	mping Water I					per minute	
	and the second s	J	•					•	
	•	P	scharge in gal.	per min, of	flowing v	ve11 ⇒.ಟ		••••••	
		Ho	w Tested		Len	gth of Test		*******	
		Re		el packing, f place of u similar per	se of gro	undwater if	not at we	ell, and at	
				rrigated, if					
	NW NW14 NW Sec.20 T15 R	22. E		e packer					
	Indicate location of well place of use, if possible. E	and ach		ock wate					
	small square represents 10 ac	res.							
1	Show exact depth of bottom.	190 T.D.	•		. .	20	R		
						20	-		

wellman & hunson prig. Co. Inc.

Driller's License Number

SC. Welling Driller's Signature R. C. Wellman

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

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

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

State of Montana, County of Fergus. 3. 1964

Filed JAN 3 1964

at lass 5 x o'clock ... M.

County Clerk and Recorder

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File	No	4	3	یخ	Ď	
rne	INU	 	. 1.5	· ·		

DUPLICATE

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T 15 P R 22 A

County Fergus

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237. Montana Session Laws, 1961)

(NTama of A		of Rural -	Grass Range
(Name of Appropriator)		(Address)	(Town)
county of Fergus		State of Montana	
ave appropriated groundwater accows:	cordin	g to the Montana laws in effect pri	or to January 1, 1962, as fol-
N	9	The beneficial use on which the cla	im is harad
	2.	Stock was	
	3.	Date or approximate date of earliest tinvous the use has been November	per 7, 1961
E		(Continuous)	
×	4.	The amount of groundwater claimed	(in miner's inches or gallons
		per minute) 3 Gal. Per Win	1.
s	5.	If used for irrigation, give the acr lands to which water has been app	reage and description of the lied and name of the owner
		thereof 20	
148E Sec. 21 T 15 R 22			
dicate point of appropriation d place of use, if possible.	6.	The means of withdrawing such wa	iter from the ground and the
ch small square represents 10 res.		location of each well or other mean Flowing	s of withdrawal
The depth of water table 43		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
The depth of water table			
	una ci	ze and depth of each well or the	teneral specitications of any
So far as it may be available, the ty other works for the withdrawal of	groun	duratar	
So far as it may be available, the ty other works for the withdrawal of	ground	dwater	Seneral specifications of any
other works for the withdrawal of	ground	dwater	
other works for the withdrawal of	groun	dwater 5 & 5/8 - 450 Ft.	
The estimated amount of groundward in the log of formations encountered in	ground ater we	dwater 5 & 5/8 - 450 Ft.	Barrels Spudded into the
The estimated amount of groundway. The log of formations encountered i	groundater was the Lin Tin Tin Tin Tin Tin Tin Tin Tin Tin T	oithdrawn each year 38,000 drilling of each well if available and Second Cut Creek Sand	Barrels Spudded into the
The estimated amount of groundway. The log of formations encountered in Colorado Thale & T.D. Such other information of a similar	groundater water water Tri T	dwater 5 & 5/8 - 450 Ft. withdrawn each year 38,000 drilling of each well if available The Second Cut Creek Sand The as may be useful in carrying out the	Barrels Spudded into the
The estimated amount of groundway. The log of formations encountered in Colorado Thale & T.D. Such other information of a similar	groundater water water Tri T	dwater 5 & 5/8 - 450 Ft. withdrawn each year 38,000 drilling of each well if available he. Second Cut Creek Sand	Barrels Spudded into the
The estimated amount of groundway. The log of formations encountered in Colorado Thale & T.D. Such other information of a similar	groundater water water Tri T	withdrawn each year 38,000 drilling of each well if available he Second Cut Creek Sand	Barrels Spudded into the
The estimated amount of groundway. The log of formations encountered in Colorado Thale & T.D. Such other information of a similar	groundater water water Tri T	withdrawn each year 38,000 drilling of each well if available he Second Cut Creek Sand	Barrels Spudded into the
The estimated amount of groundway. The log of formations encountered in Colorado Thale & T.D. Such other information of a similar	groundater water water Tri T	withdrawn each year 38,000 drilling of each well if available and the Second Cut Creek Sand record Signature of Owner.	Barrels Spudded into the

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

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

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

 $\bf 8385$

COFI

County of Fergus

Filed JAN 29 1962 19

Sioo o'clock A. M.

May Rathur

County Clerk and Recorder

ile No.	27609	Approved Stock Form—State Publishing Co., Helena, Montana, 32
UPLIC	ATE	CountyFergus
	LOG	STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE
_0	Top of Ground	OFFICE OF STATE ENGINEER
To	(Elev. above sea level Est. 350	Notice of Completion of Groundwater • Appropriation by Means of Well
	Wash in Silt Grazel Sand Calcite Shale	DEVELOPED AFTER JANUARY 1, 1962
_		(Under Chapter 237, Montana Session Laws, 1961)
- 1 30	Shale	Owner Ayers Colony Ranch Address Grass Range, Mont
_	Sandy Shale	Driller Munson Drilling Co. Address Grass Range, Mont
	Dandy Shale	Date of Notice of appropriation of groundwater. Not. Applicable
151	Hard Sand-Pyrites	Date well started Sept. 5, 1966 Date completed Sept. 8, 1966
160	Sand-Greenish Tint-Tite	Type of well
_ 187	Sand Layers-Shale Streak	Water use: Domestie Municipal Stock Irrigation ks Industrial Drainage Other
	(Good Peresity) Water	Indicate on the diagram the character and thickness of the different stramet with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Sho
192	Red Clay & Shale T.D.	depth at which water is encountered, thickness and character of water-beari strata and height to which the water rises in the well.
_		Size of Size and From To PERFORATIONS Drilled Weight (Feet) (Feet)
		Hole of Casing Size Kind From To (Feet) 9 Ench Hole 0 32
_		7"-15# 0 32 Cemented 0 32
		5 5/8" Hole 32 192 4 1/2" 11# 0 192 Regular 157 187
_		
_		N Static Water Level for non-flowing w
- !		15 fe
_		Shut-in Pressure for Flowing Well
-		Pumping Water Level
_		Discharge in gal. per min. of flowing w
		How Tested Test Pump
_		Length of Test
		Remarks: (Gravel packing, cementing, pac
-		NW4Nec21. T2 RJ2 ers, type of shutoff)
		Indicate location of well and place of use, if possible. Each
		small square represents 40 acres.
_		
		USE—If used for irrigation, industrial, drainage or other. Explain, str
		number of acres and location or other data (i.e.: Lot, Block and Adtion).
_		
	Show exact depth of bottom.	,
	and an analysis	

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

· 27609

DCT 7 1966 19

Hild DCT 7 1966 19

Will J. 30 o'clock M.

My Scottfur

County Clark and Reverder

· 200 pr

GW 2	17167		Approv	ed Stock Form—	State Publisher	g Co., Helena.	Montana – 392	ıs 🥯
File Ne.		man et eg læ			T	I	?	
DUPLICA	ATE DE SE	134 1663	ADMINIS	STATE STRATOR O	OF MONT			
	Top of Ground STATE	E (4.,		FFICE OF			0002	
_ 0	(Elev. above sea level		Notice of		_			er
1 1	15 prift		Approp	priation	by Mo	eans of	Well	
15 25 85	25 Blue shale 85 White rock and s	and	(Under Cl	napter 237,	Montana S	ession Laws	s, 1961)	
_ 85 90	90 Hard blue shale 100 Red, white and gr	owner	Herry Seve	rsen	Addres	Gras s R	ange	Montana
100	shale 105 Light green sand	Driller.	George O.	Single	Addres	Lewisto	wn, Mo	n tana
105	raa mreur ereen aand	stopae of	Notice of Appre	opriation of	Groundwa	er Hon	е	
145 240	271 Hard white rock	Date we	ell started Nov.				o. 6,	1963
271	2nd Cat Creet sa 301 Hard rock, some	indatone						
301 311	311 Shale 314 Hard white silic	(dug,	driven, bored or			, drill, rotary		
314	320 Hard rock		Use: Domestic	☐ Mur	nicipal 🔲	Other [٦ Ir	rigation 🗀
_320 330	330 Shale 351 Hard rock		Industrial		inage [Stock		guoion
351 375	375 Rock 386 Grey shale		dicate on the d					
386 390	390 White clay 395 Hard rock	Show de	net with in drill epth at which w	ater is enco	untered, tl	ickness and	character	
-395 410	410 Red shale	bearing	strata and heig	tht to which	water rise	s in the wel	11.	
	white clay	Size of Drilled	Size and Weight of	From (Feet)	To (Feet)	PE	RFORATION	79
415 417	417/ 428 Third Cat Creek	Hole	Casing			Kind Size	From (Feet)	To (Feet)
428	455 Sandatone	4 - 3/4" 4"		270	270 455			
_		•	2" galv.	above g	•	0#=7=4	400	1.55
-	LU Add is	. 1		1	455	2"slot	428	455
		of Managements of the State Systems and Auditor Committee of the State S	Powers and philosophic and a support of a sur-dupl transfer and the sur-		mangaga angga sanan sanangga sa sa sa sa sa		- Third Share Company of the State Company of the S	}
	N	St	atic Water Level	for non-fle	wing Well.	None		fcet.
-		; 1	ut-in Pressure					
-								
-		Pu	mning Water Le	vel	• fee	t at	gal. 1	per minute.
		· 🗸	mping Water Lo					-
	w	Di	scharge in gal. 1	per min. of f	lowing we	11 1 5		
	w	Di r He	scharge in gal. p	er min. of i	lowing we	n 1 5	5 m 1	in.
	w	Di r He	scharge in gal. pow Tested	packing, c	lowing weLengt ementing, e of groun	n 15	pe of shi	utoff, loca-
	w	Di r He	scharge in gal. pow Tested	per min. of f	lowing weLengt ementing, e of groun	n 15	pe of shi	utoff, loca-
 		Di Ho Re	scharge in gal. pow Tested	packing, c	lowing weLengt cmenting, e of groun info	h of Test packers, ty dwater if r rmation, in	pe of shi	utoff, loca- il, and any number of
	E 1/4 N.F. Sec. 29 T/5 R	Di F He Re	scharge in gal. pow Tested	packing, coplace of use	lowing weLengt cmenting, e of groun info	h of Test packers, ty dwater if r rmation, in igation)	pe of shi	utoff, loca- ll, and any number of
	E. 1/4 M.F. Sec. 29. T./5. H Indicate location of well place of use, if possible.	Di He Re and Each	scharge in gal. pow Tested	packing, coplace of use similar pertrigated, if u	Clowing weLengt ementing, e of groun inent info	h of Test packers, ty dwater if r rmation, in igation)	5 mi	utoff, loca- ll, and any number of
	E. 1/1/E Sec. 29 T./5. H Indicate location of well	Di He Re and Each	scharge in gal. pow Tested	packing, coplace of use similar pertrigated, if u	lowing weLengt ementing, e of groun inent info	h of Test packers, ty dwater if r rmation, in	pe of shi	utoff, loca- ll, and any number of
	E. 1/4 M.F. Sec. 29. T./5. H Indicate location of well place of use, if possible.	Di He Re and Each	scharge in gal. pow Tested	packing, coplace of use similar pertrigated, if u	Clowing weLengt ementing, e of groun info	h of Test packers, ty dwater if r rmation, in igation)	5 mi	utoff, loca- ll, and any number of
	E. 1/4 N.F. Sec. 29. T. 15. H Indicate location of well place of use, if possible, small square represents 10 a	Di He Re and Each	scharge in gal. pow Tested	packing, coplace of use similar pertrigated, if u	Clowing weLengt ementing, e of groun info	h of Test packers, ty dwater if r rmation, in	5 mi	utoff, loca- ll, and any number of
	E. 1/4 N.F. Sec. 29. T. 15. H Indicate location of well place of use, if possible, small square represents 10 a	Di He Re and Each	scharge in gal. pow Tested	packing, coplace of use similar pertrigated, if u	Lengt ementing, e of groun inent info	h of Test packers, ty dwater if r rmation, in igation)	5 mi	utoff, loca- ll, and any number of

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

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

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

17167 COPY.

Filed DEC 27 1982

County Clerk and Recorder

200 pe

File No. 12558

Halyr - Independent Record

DUPLICATE

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T. I. R.		-
County		

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

	7)	(Address) (Town)
County of have appropriated groundwater a lows:	ccordir	State of
N	2.	The beneficial use on which the claim is based
		The service of the se
4	3.	Date or approximate date of earliest beneficial use; and how con-
		tinuous the use has beenrol 10, 1911 auntinuari
F		
	4.	The amount of groundwater claimed (in miner's inches or gallons
		per minute) 10 10.12 11.22
s	5.	If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner
F . 6.4/ 6.5 - 1.5 . 8.97		thereof
F 1/5W Sec 29 T/5 R2 2		
Indicate point of appropriation and place of use, if possible.	6.	The means of withdrawing such water from the ground and the
Each small square represents 10	٠.	location of each well or other means of withdrawal
acres.		ricel a filot ias
7. The date of commencement and c	complet	tion of the construction of the well, wells, or other works for with-
	*** ****	
3. The depth of water table	ं। type, s	ize and depth of each well or the general specifications of any
3. The depth of water table 3. So far as it may be available, the other works for the withdrawal o	type, s	ize and depth of each well or the general specifications of any
3. The depth of water table 3. So far as it may be available, the other works for the withdrawal o	type, s	ize and depth of each well or the general specifications of any
8. The depth of water table 9. So far as it may be available, the other works for the withdrawal o	type, s	ize and depth of each well or the general specifications of any ndwater with and the specifications of any make the specification of
3. The depth of water table 3. So far as it may be available, the other works for the withdrawal of the withdrawal of the withdrawal of the works for the withdrawal of the works for the works fo	type, s f groun water in the	withdrawn each well if available with 200 considerable 20
8. The depth of water table 9. So far as it may be available, the other works for the withdrawal of th	type, s f groun water in the ar nature count	withdrawn each year Lallage of according to the general specifications of any midwater with 170 and the general specifications of any midwater withdrawn each year Lallage of the control
3. The depth of water table 3. So far as it may be available, the other works for the withdrawal of the withdrawal of the withdrawal of the works for the withdrawal of the works for the works for the withdrawal of the works for th	type, s f groun water in the ar nature count	withdrawn each year 13.12. On the general specifications of any advantage of the general specifications of the general specifications of the general specifications of any advantage of the general specifications of the general s
3. The depth of water table 3. So far as it may be available, the other works for the withdrawal of the withdrawal of the withdrawal of the works for the withdrawal of the works for the works for the withdrawal of the works for th	type, s f groun water in the ar nature count	withdrawn each year Lallage and 20 to 20 t

located.

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

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

12568

COPY

State of Americana.
Country of Forgus. S.

Filed OFF. 1 F 1952

at 3:15 o'clock G. M.

County Oerk and Recorder

\$200 pm

GC Helena Independent Report File No. 12566

DUPLICATE

T. R. County.

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

(Name of Appropriator	r)	(Address)	(Town)
have appropriated groundwater a lows:	ccordir	State of LOM mulg to the Montana laws in effect pri	or to January 1, 1962, as fo
N	2.	The beneficial use on which the cla	im is based
	3.	Date or approximate date of earliest tinuous the use has been Julian.	
E			
	4.	The amount of groundwater claimed per minute)	
S	5.	If used for irrigation, give the ac lands to which water has been app	olied and name of the own
Tudua 20 m/3 m 79		thereof samphon dynamical ten	
F 45W Sec 29 T 13 R 22-			
nd place of use, if possible. ach small square represents 10	6.	The means of withdrawing such was location of each well or other mean	
cres.		location of each well or other mean	s of withdrawar
The date of commencement and of drawal of groundwater	comple		vells, or other works for wit
And the second s			vells, or other works for wit
The depth of water table 400. So far as it may be available, the other works for the withdrawal o	type, s	ize and depth of each well or the	vells, or other works for wit
The depth of water table 400 So far as it may be available, the other works for the withdrawal o	type, s	ize and depth of each well or the idwater	vells, or other works for wit
The depth of water table 400. So far as it may be available, the other works for the withdrawal of the constitution and the constitution and the constitution are also as a second constitution.	type, s if groun	ize and depth of each well or the idwater	vells, or other works for wit
The depth of water table 4000 So far as it may be available, the other works for the withdrawal o	type, s f groun	ize and depth of each well or the idwater	yells, or other works for wit
The depth of water table 400 So far as it may be available, the other works for the withdrawal of conditions and the condition of grounds.	type, s of grounds and a	ize and depth of each well or the adwater withdrawn each year *** drilling of each well if available **.	general specifications of an
The depth of water table 4000 So far as it may be available, the other works for the withdrawal of management of ground. The estimated amount of grounds.	type, so f ground the same of	ize and depth of each well or the ndwater withdrawn each year ************************************	general specifications of a
The depth of water table 400 So far as it may be available, the other works for the withdrawal of the withdrawal of the estimated amount of ground. The log of formations encountered.	type, so f ground the same state of the same sta	ize and depth of each well or the adwater withdrawn each year withdrawn each well if available are as may be useful in carrying out the	general specifications of an
The depth of water table 400 So far as it may be available, the other works for the withdrawal of the withdrawal of the estimated amount of ground. The log of formations encountered	type, so f ground water water water ar nature count	withdrawn each well if available drilling of each well if available driver as may be useful in carrying out the precord 1940	general specifications of an
The depth of water table 400. So far as it may be available, the other works for the withdrawal of the withdrawal of the estimated amount of grounds. The log of formations encountered Such other information of a similar reference to book and page of any	type, so f ground water water water ar nature count	withdrawn each well if available drilling of each well if available driver as may be useful in carrying out the precord 1940	general specifications of ar
other works for the withdrawal of similar constitutions and a similar constitutions. The estimated amount of grounds. The log of formations encountered constitutions. Such other information of a similar reference to book and page of any	type, so f ground water water water ar nature count	withdrawn each well if available drilling of each well if available driver as may be useful in carrying out the precord 1940	general specifications of

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

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

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

41, Y X

12566 OF

State of Montane, County of Lergus.

Filed DEC 18 1962 19

or 3:15 o'clock o' M.

Oounty Clerk and Recorder

\$ 200 pt.

 $_{\rm File\ No}\ 16646$

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Con	mi;	Fe	rgus

DUPLICATE

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE

	Top of Ground		•	FFICE OF		Lil.	7	- 1
- - 0	(Elev. above sea level)	Notice of Approp	Comp	etion o	of Gro	undwa f Well	t ě 63
- 3 	Surface Soil				Montana S			GINEFE
3 34	Red Clay		Arran Dost				•	
34 70	Blue Grey Siltstone		Notice of Appro					
70 140	Silty Shale		ell starred 12/				12/5/63	
140 176	Greenish hite Benetic Sandy Clay	(dne c	well Urill driven, bored or d)	be		n, drill, rota		
176 184	Hard Dolemite	Water 1	Use: Domestic Industrial		inicipal [] rainage []	Other Stock		rrigation 🗌
184 201	Firm Sand	strata n Show de	dicate on the d net with in drill epth at which w strata and heig	ing, such a ater is end	is soil, clay ountered, t	, shale, gra hickness a	avel, rock o nd characte	or sand, etc.
210	Sand Good Porosity	Stre of Drilled	Size and Weight of	From (Feet)	In (Feet)		PERFORATIO	NS .
		нон 5 5/8	Castrix 9,50 42	0	186	Kind Size	From (Feet)	To (Feet)
	,					Open H ole	186	210
	}				1	Hole	186	
	N 7.		atic Water Leve			Hole		
	N	Sh	aut-in Pressure : unping Water L	for Flowin	g Well	Hole	20 /	feet
		Sh Pu Di	aut-in Pressure : imping Water Loscharge in gal. ;	for Flowin	g Wellfo	Hole Oproxe Set al.	20 ½	feet.
	7.	Sh Pu Di	ut-in Pressure : imping Water Lo scharge in gal.; ow Tested omarks: (Grave tion of	for Flowin evel per min. of l packing, place of t	g Well	Hole oproxe et al. gth of Tes nakers, indwater i	gal. type of she foot at we	per minute.
		Sh Pu Di E He	ut-in Pressure : unping Water Lo scharge in gal.; ow Tested omarks: (Grave tion of other :	for Flowin evel per min. of packing. place of a similar pe	g Well	pet al. cell 10 gth of Tes. mdwater if formation.	gal. type of slf not at we including	feet. per minute. putoff, loca-
	NW1.31 Sec.3). T.1.5. R. Indicate location of well a	Sh Pu Di Ho Re	unt-in Pressure : unping Water Loseharge in gal.; ow Tested emarks: (Grave tion of other :	for Flowin evel per min. of packing. place of a similar pe	g Well	rigation)	gal. type of slf not at we including	feet. per minute. nutoff, loca- ell, and any number of
	NW1.31 Sec.3). T.15. R	Sh Pu Di E Ho Re	unt-in Pressure : unping Water Loseharge in gal.; ow Tested emarks: (Grave tion of other :	for Flowin evel per min. of l packing, place of a similar pe	g Well	rigation)	gal. type of sh f not at we including	feet. per minute. nutoff, loca- ell, and any number of

Wellman & Munson Drig. Co. Inc.

Driller's Signature

R. C. Wellman

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

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

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

16646 COPY

TIFF. 6 1963

18

2:30 o'clock P.M.

Lucy Ratter

Country ork and Recorder

File No. 12567

DUPLICATE

T. R. County

STATE EFFERRLEA

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF VATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

have appropriated groundwater a lows:	(Address) (Town) State of Address (Town) ccording to the Montana laws in effect prior to January 1, 1962, as fol-
N	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 ward, with a large and how continuous the use has been ward, with a large and how continuous the use has been ward, with a large and how continuous the use has been ward, which is the large and how continuous the use has been ward, which is the large and how continuous the use has been ward, which is the large and how continuous the use has been ward, which is the large and how continuous the use has been ward, which is the large and how continuous the use has been ward, which is the large and how continuous the use has been ward, which is the large and how continuous the use has been ward, which is the large and how continuous the use has been ward, which is the large and how continuous the use has been ward, which is the large and how continuous the use has been ward, which is the large and how continuous the use has been ward, which is the large and how continuous the use has been ward, which is the large and how continuous the use has been ward, which is the large and how continuous the use has been warded and how continuous the use of the large and how continuous th
E	4. The amount of groundwater claimed (in miner's inches or gallons per minute)
s	5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 2000.
14 SF Sec. 3/ T/S R Z 2	thereof
dicate point of appropriation d place of use, if possible. Ich small square represents 10	6. The means of withdrawing such water from the ground and the
res.	<u> </u>
The date of commencement and commencemen	completion of the construction of the well, wells, or other works for with
The date of commencement and of drawal of groundwater The depth of water table So fa, as it may be available, the	completion of the construction of the well, wells, or other works for with
The date of commencement and odrawal of groundwater The depth of water table So far as it may be available, the	completion of the construction of the well, wells, or other works for with
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The date of commencement and odrawal of groundwater The depth of water table So far as it may be available, the other works for the withdrawal of the estimated amount of grounds.	location of each well or other means of withdrawal completion of the construction of the well, wells, or other works for vithe type, size and depth of each well or the general specifications of any of groundwater water withdrawn each year lin the drilling of each well if available 10 70 10 10 10 10 10 10 10 10 10 10 10 10 10

Signature of Owner Horry & SynciscoDate Ore 18/1962Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is

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

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

2.19.

BUTTALANE

County Purples

STATE OF BOTTANA

ABMINISE: THE OF CHOUNDWATER CODE ()

Declaration of Control of a univaler , lights
(Under Chapter L. T. Memmas Session Laws, 1991)

1	elville miner		of Reve		
	County of Appropriate County of Appropriate have appropriated groundwater loves:		State of	dress) ontone ws in effect prior	(Town) to January 1, 1962, as fol-
	Section 1	2. Th	ne beneficial uso or otomic of te	n which the claim To be Kardida	is based Cloud: Sab-Array of
w -	r	tin T. D v.	mous the use has l arist (Sasar, Sas aspended as a sas asistas as as	ocen	eneficial use: and how con- ber 30, 1961 1203 Nov 10, 1965 wher A itri; view
		4. Th	r minute)	dwater claimed (13 Gol.) De Maraibe o	in miner's inches or gallons or line Automated For all
1116	Succession of the second of th	lar the	nds to which wate ereof	r has been applied to the second of the seco	
Inc an Ea	dicate point of appropriation d place of use, if possible, ch small square represents 10	6. Th	McAvillionPhile w means of withdr	(i.e., 6, Bozot) rawing such wate	r from the ground and the
acı	res,	2 in. I	lyalinofirs	ro n spaint	
7.	The date of commencement and drawal of groundwater	n May 10	of the construction	n of the well, well - Cotobor any wall Get	ls, or other works for with- 30, 1961 cb: r 16, 1936
	The depth of water table				
g,	So far as it may be available, the other works for the withdrawal	type, size of groundwa	and depth of each	well or the gen	neral specifications of any
		Harafalla jeliko da	, de la sola companya de la companya		
10. v:1.t	The estimated amount of ground the top of formations encountere COLOR, and a sign of the countere countered to the countered	lwater with million djin the dri	ndrawn each year & L. Hing of each well	150,000	Barrels Epudded into the
	Spring in war vol.	La Pie	.coma Cat Di	rook	
12.	Such other information of a simi reference to book and page of an	y county re	cord		
			Signature	1.5	i i karangan kangan kangan Kangan kangan kanga
Thr loca	ee copies to be filed by the owner	with the C	County Clerk and		•

Please answer all questions. It not applicable, as state, otherwise the form will be returned.

Original to the County Clerk and Recorder; doplar to the State Engineer; Triplicate to the School of and Quadruphente for the Appropriates.

County Twp. Twp. Rye. 3 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
33	art. Prike	Water Wester	91650	
19	Dela vice Donolas	5782°	44797	
3	Teacher Jehn &	Vater Visites	91632	
3 3	I Lekarta Rosert & En 711	EN 3	43790 -	
/3	France R. B	Matter Hearting	51428	
13	Jugar, R. B.	Plate Herekey	17247	
13	Jagrey Land Franctick Co Suc	184	17835	
14	Gillian Verence 711	274	16455	
2/	Grogar Va.	6 21 4	12374 -	
	Kruser Warner	Wa to Trade Ten	5803	
21_	Richards Barbara Ryan	1274	256	
21	Rejer Lange Wireian	271-1	9056	-
3/	Kyan makel C	11:01:4	9056	
20	Peper, Madel C	8314	9055	
2/	Ruan Makel C	1. 31.4	9:51	
	Pran Mail C	15 18 14	9057 -	
22	Ryan Makel C	: N. 11	9052	
30	Byan made C.	: 11 4	9053 -	
32	Burn Madel C.	3724	9054	
33	Strones Theter	Mate Dien fog	6218	
53	Stranges " retire	2114	142 48	
	Livensen De da H	Matichiais -	6317	
	Mestlera Simil	Jate Ville Lo	2575	
33	Wordard Black	2121 5	15.2260	
3.3	Worder & Blaine &	6714	15267	
13	Frages Land Linestock Co. Sas	6W3	17836	
14	" " " "	11	11	
24	11 11 11 11	` 11	"	
25		11	i1	
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en e		County. Fe	errus /2
,		F MINES AND CEPTOGY Montani	5.7488 6-24.73
	en e		2.15 /2 101
	WAYER	WELL LDG	
	Owner R. B. France	Address	
	Tivingsion-1918 Driller Drilling Contract	ers Address	Winnett, Montana
	DateStarted upril 35, 10	147 Date Col	apleted Ray 17, 1947
	Location (1.1.13	H 13 H. 14 me.	
e of well drille d	(Prop. C. Weathered, et et. filed	Equipment used retary	ea drift, rotary, other)
ter use: Domestic	Kuntcipal	Stock	Yrrigation
Ind ustrial	Deninage	Other:	
lng:	ift, to in its of the Type	pe To C Size I	-90
ing:	ift, to tt. 23	po Elze	
ing:	ft, to f). Ty	peClre	
fora ted or Screene d	i: Ft to ft	. , Ft	to ft
e of screen or perfo	rations		
tic Water level, for r	non-flowing well:	x - 0	feet,
it-in pressure, for flo	owing well: A find the control of th	the eq. in long	(date)
nping water level	feet at		al. per min
tested:			
gth of test			
Set 782 feet, collar on casi esed in 55 permi	eking, comenting, packers, type 5 inch 0. D. coming with f og 5 fort below pround lev by tested for water from fes with water, well would re-	Float shee on lottem; c o vel; well flowed of pull 547 feet to coo feet; ch mot flou; balvd balc <u>ito</u>	conted with 13 sacks cer one per minute; pressure

(over)

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55413.

The state of the s	
	Log of Well
Depth, feet	Description of Material Drilled
From To	
0 17.	clay and surface sand
17 32	topavel and day
32 39	dispose thate and bentonite
39 153	blick chale with streaks of bentonite and hard sard
138 159	Mack Chate with streeks of hard sonly thate
159 252	black and grey shale with streaks of hard sandy shale
252 277	hard black and brown shale
27" 302	roft black state
30231	black thate with streaks of bentonite
334 394	
394515	thack those with atreaks of boutonite and gypsum
515 545	lated and area shale with streaks of sand
545 517	break chate
547 505	controlly of contracts of black state (where and out sand)
595 630	Hack chain with atreaks of gray soul
630 672	blue chile with streaks of bentonite and iron pyrites
672 700	cray : but a with streets of sant
700 708	red shale
708740	I verificated chale (i.i., white, and proces)
740 779	groy and white shale
779 784	hard blue or gray lim:
784 700	hard grey shale
790 702	bord blue or grey line
792 808	soft cand (papper and calt said)
808 810	red shale

51428

COBA

County of Fergus) sa
Filed JUN 2 9 1973

at 2:15 sclock A

My Rothbur

County Clerk and Recorder

Fee Paid 47 au

Independ	13
T	R
County Fergus	

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOG

	WAI	EK WELL LOG		
	Ownerl Fraser		Address	
	Tivingston-Bol			
/3	DrillerDriilingComt	tactors	Address;.	innett, Montans
	Date StartedApril 12	1947	Date Compl	eted
1 1	Location: Sec13 T	.15 Na R .23 E. 33	sec	
Type of welldrilled	Dug, driven, bored, or drilled)	Equipment used	Chary(Chara d	irill, rotary, other)
` 				- County, Vallety
Water use: Domestic	Municipal	Stock		Irrigation
Industria!	Drainage	Other:		
Casing: f	t. toft.	Туре	Size	
Casing:f	t, toft.	Туре	Size	
Casing:f	t, toft.	Туре	Size	
Perforated or Screened:	Fi to ft.	Ft		. to ft
Type of screen or perforat	tions			
Static Water level, for nor	n-flowing well:			feet.
Shut-in pressure, for flow	ring well: 55-7	lb. 'sa, in, on:		
omit in pressurer for flow				(date)
Pumping water level	feet	, at	gal.	per min
How tested:				
Length of test				
Remarks: (Gravel packi	ing, cementing, packers, t	ype of shut-off, depth	of shut-off)	nted with 13 sacks ceme
top collar on casing closed in 55 pounds:	tested for water from	level: well flower op 547 feet to 026	i <u>i sallon</u> s feet: Chang	par minute: pressure- ed from mud to water; feat: water raised 20
feet in 14 hours; so	scond and from 79 -80	onuasons bowoda 30	white drill	ing; well pushed
A Tri Dathwes son C	7Mサ 378 - M' 本写真			••••••••••••••••••••••••••••••
			•••••	
		(over)		
		INVELI		

		Log of Well
Depth.	feet	Description of Material Drilled
From	To	O. P.S.
	. 17	o'clock by Remonstrate County Re
1.7	32	gravel and day
	30	black thele and bantonits
39	138	black state with streaks of bentonite and and said
11,	159	idach shale with streaks of hard sandy scale
159	25.)	httag and crey state with nireaks of he a sardy shale
252	<u> </u>	hard black and brown shalls
.77	30.	soft black state
302	334	bleck shale with stranks of bentonite
	394	s: nd and black sandy shale
394	515	black shale with streaks of bentenite and cynsus
515	54 5	black and prev shale with streaks of cand
545	547	black shale
547	595	sand with stranks of black shale (pepp f and salt sand)
595	<u> </u>	black shale with straiks of crey and
630	<u> </u>	blue shale with stree . of bentonite and iron pyrites
57.5	7 0%	provided with salvers of soud
700	301	rod.eta1e
708	740	saricated shale (red, white, anigraem)
	77	grey and white shale
770		lacd blue or grey line
754	790	hard grey shale
7().1	700	Lard I las or prov 13 se
79.		soft cand percer and salt said)
8 000	5.10	red s.plr

File No. 17435

DUPLICATE

T 777 R 35

County Crows

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chap	ter 237. Montana Session Laws, 1961)
1. HASH LAD & LIVESPICE OF ISC (Name of Appropriator)	of Dox 1352 Billings, Contars (Address) (Town)
County of Sergus have appropriated groundwater accordows:	State of concern ding to the Montana laws in effect prior to January 1, 1962, as fol-
N	2. The beneficial use on which the claim is based
Σ	3. Date or approximate date of earliest beneficial use; and how continuous the use has been 19/11 approximately
w E	
	4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 galasser minutes - arteriam Tlow
S	5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
07 1/ Con \$2 TT 6 10 TD 72 11	
SE 1/4 Sec. 13 T25FR 23E	
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres. We'l located 20 feet H of	6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal well (artesian) 500 feet
house	
withdrawal of groundwater	pletion of the construction of the well, wells, or other works for 1951 approximately - livingston william Co. of kinnett was the driller
8. The depth of water table	500 feet
9. So far as it may be available, the typ other works for the withdrawal of grandland and 5" casing - paid	gradient and the state of the s
· · · · · · · · · · · · · · · · · · ·	
10. The estimated amount of groundwat	er withdrawn each year 40,000 gais
	in the drilling of each well if available not available
	ature as may be useful in carrying out the policy of this act, includ-
	FRASTR LAND & LIVESTOCK OF THE.
	Signature of Owner
	Date 12/31/03
Three copies to be filed by the owner with located.	the County Clerk and Recorder of the county in which the well is
Please answer all questions. If not applica	ble, so state, otherwise the form will be returned.

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

17835

10:30 a dock A vi.

Way Rathlum

aunty Gork and Rose

DUFLICA E

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Wetl

ection 19; Tup 15% Rge 248	Signature of Owner By Track Co., INC.
Indicate point of appropriation and place of use, if possible. cotions 13,14,24,25 in 15NR 23E. ot 1,4, port of NE/NH.	These are springs in the creek bed of McDonald Creek developed for livestock; also springs in pastures also developed for livestock.
\$ T R	estimate approximate lengths of periods of useyear around use continuous flow adequate for 300 head of livestock
	Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent
	•
	water when applicable developed aprings
N	Describe means of obtaining groundwater without a well "as by sub-irrigation, and other natural processes". Include depth to
	Date Starced 2002 Date Completed continuous desail
	Address of Contractor Don 1352 Billings, Montage.
	Owner. Address Box 1352-14111.htgs Contractor of any R. P. France
	Detect Approximation of Groundwater

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 mustions. If not applicable, so state, otherwise the form will be returned.

Original to the Courty Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines at a wology and Quadruplicate for the Appropriator.