Approved Stock Form-State Publishing Co., Helena, Montana-42199	,
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county Cuiter	
STATE OF MONTANA DECEIVE	
ADMINISTRATOR OF GROUNDWATER CODE DEC	
	County Custer

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

OFFICE OF STATE ENGINEER

	Date of Appropriation of Groundwater July 1734 Owner Is and Bott Address Lathaway, Monta Contractor (if any) Marie Address of Contractor Marie Date Started July 1924 Date Completed July 1934
N	Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to
	water when applicable
	Dung a amade wit
	Dug a small get
	<i>→</i>
w F	***************************************
	Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent
S	estimate approximate lengths of periods of use
28 4 Sec. 5 TLIX R45E	
Indicate point of appropriation	3 gals feed minete
and place of use, if possible.	V V
	Signature of Owner
	Date 127 1943

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

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

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

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

110:16

FILED O'CHAR PA

ounty Clerk and Ex-Orne Resolution
Custer County, Mondana

Keel

Deputy

File No.....

DUPLICATE

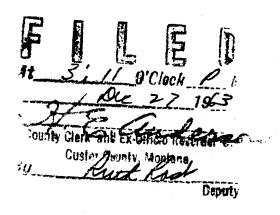
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STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER County Custes DECEIVE

Thomas (Tom) Bot	(Address) (Address) (Town) State of Mc, n Z 2 n 2 ording to the Montana laws in effect prior to January 1, 1962, as follows:
(Name of Appropriator)	(Address) (Town)
County of Custer	State of Montana
have appropriated groundwater acco	ording to the Montana laws in effect prior to January 1, 1902, as 10110ws:
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	2. The beneficial use on which the claim is based
	Aurestock + Domestic milds
	3. Date or approximate date of earliest beneficial use; and how con-
	tinuous the use has been.
	tinuous the use has been 1949
X	
	4. The amount of groundwat r claimed (in miner's inches or gallons
	per minute)
	- //
8	5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
24 Sec. 3 TONR45E	Harden Hafanace
	Love Bott - owner
dicate point of appropriation ad place of use, if possible.	C Who mann of withdrawing such mater from the manner of the
ach small square represents 10	6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
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of Mines and Geology, and Quadruplicate for the Appropriator.

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3 W 3	Approved Stock Form-State Publishing	Co., Helena, Montana-42199	3
File No	T5	611 R45E	*******
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	STATE OF MONTANA	DECEIV	

ADMINISTRATOR OF GROUNDWATER CODE DESCRIPTION OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

	Date of Appropriation of Groundwater Belac 1910
	Owner Tom Bott Address Hathaway, Montana
	Contractor (if any)
	Address of Contractor
	Date Started 1910 Data Completed 1910
N	Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to
X	water when applicable of the from springs
	into trucks
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W E	

	Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent
s	estimate approximate lengths of periods of use
7 Sec Sec TLA RASE	Agala ter minute from
Indicate point of appropriation and place of use, if possible.	t gala per mente from
	Signature of Owner / 522
	Date 1 2 7 1963

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

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

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

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

14015

Ounty Clark and Ex-Gifficia Recorder es Custor Pounty Mortans

DUPLIC/.TE

T. 6 R45
County Custer

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights STAIE ENGINEER

Charle Stone	of 1519 Palmer Wiles City (Address)
Comment of Creaters	State of Montage laws in effect prior to January 1, 1962, as follows:
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	3. Date or approximate date of earliest beneficial use; and how con
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×	4. The amount of groundwater claimed (in miner's inches or gailon
	per minute)
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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.

1t 3:10 O'Creck P. M.

Cort. 30 18 63

F.E. Carles

County Clerk and Ex-Officia Recorder of

Custer Gounty, Mentena Deputi

File No.....

DUPLICATE

County COUNTY CEIVED

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

	Of 1519 Labour Miles (Town)	7
County of County of Appropriator	State of Montana	<i>_</i>
have appropriated groundwater acc	ording to the Montana laws in effect prior to January 1, 1962, as	follows
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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.

At 3115 O'Clock P24

Set 30 1963

The County Clerk and Ex-Other Records

Coster County Meethers

File No.....

DUPLICATE

T.6 R45

County COUNTY 31 1963

STATE ENGINEER

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

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

Ohne	Sin A	ton	1516 Dlank Mila PA
ر معود	(Name of Ap	propriator)	(Address) State of Montana laws in effect prior to January 1, 1962, as follows:
have approp	priated ground	lwater according	to the Montana laws in effect prior to January 1, 1962, as follows:
	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 1948 —
	X		date - 6 mo out y back ye
		4.	The amount of groundwater claimed (in miner's inches or gallons per minute).
		5.	If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
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The log of	formations en	countered in the	drilling of each well if available Zet acadelle
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Such other i	information of	a similar natur	e as may be useful in carrying out the policy of this act, including record.
Such other i	information of	a similar natur	e as may be useful in carrying out the policy 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 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.

13686 At 3: YO O'Clock P. S. Cardenson 1863

At E. Cardenson

County Clerk and Ex-Official Recorder of County Clerk and Ex-Official Recorder of County Clerk and Ex-Official Recorder of County Clerks County Mandana Custer Gounty, Montana

e No			- 5
			6 R 45
IPLICATE	STATE OF TADMINISTRATOR OF GO	IONTANA ROUNDWATER CODE	DECEIVE OCT 31 1963
Decla	ration of Vested (Under Chapter 237, Mont	Groundwater Ri	ghts STATE ENGINEE
Charlie	Itone propriator)	of 1519 Palm	w Meles City
CUMILY C		Late Of	(Town) to January 1. 1962, as follows:
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	3. Date or app	proximate date of earliest use has been	beneficial use; and how con-
*	4. The amount	of groundwater claimed	(in miner's inches or gallons
	5. If used for	irrigation, give the acreage	and description of the lands name of the owner thereof
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The estimated amount of	.**		
	ountered in the drilling of	each well if available	

Date Och 28, 1963 Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Signature of Owner Charlie Stone

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.

10083

0'Cleck / 762 30 18 63 ct.30 County Clerk and Ex-Official Recorder

Guster County, Montana

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GROUNDWATER INDEX				Page	of
County <u>CUSTER</u>	Twp	6N	Rge.	46E	

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
2	U.S. DEPT. OF AGRICULTURE	GW-4	2967	
8	U.S. DEPT. OF AGRECULTURE	GW-3	2591	
9	UNITED STATES OF AMERICA	Gw-4	5283	
9	UNITED STATES A.F. STATION	GW-4, GW-2	5557	
9	LINITED STATES A.F. STATION	GW-4,GW-2	5558 5559	
12	U.S. DEPT OF AGRICULTURE	Gw-4	2967	SAMEAS SEC.#2
16	U.S. DEPT. OF AGRICULTURE	GW-3	2591	SAMEAS SEC. #8
16	U.S. DEPT. OF AGRICULTURE	Gw-3	2591	SAME AS SEC. #8
16	U.S. DEPT. OF AGRICULTURE	GW-2	4615	
21	U.S. DEPT. OF AGRICULTURE	C+W-4	2967	SAME AS SEC. #2
24	U.S. DEPT, OF AGRICULTURE	C-W-4	2967	SAMENS SEC. #2
26	U.S. DEPT. OF AGRICULTURE	C+W-4	2967	JAMIERS SEC.#2
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File NO. OUPLICATE

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STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE VEGET VE

Declaration of Vested Groundwater Rights | A LE ENGINEER (Under Chapter 237, Montana Session Laws, 1961)

U. J. UDPAS	THENT OF	AGRICULTUM	e	U. S. RANGE LIVESTOCK of BOX 810, NI	LES CITY
((Name of A	Appropriator)		(Address)	(Town)
County of	oristed gro	undwater ac	cordin	State of Sta	o January 1 1962 as foi-
lows:	printed gre	and we cer act	COLUM	is to the Montana laws in circuit prior t	o variatly 1, 1502, as 101-
	N				.
	1 1 1		2.	The beneficial use on which the claim	is based
				for domestic use and for waterin	E.ALTRENSHAD
			3.	Date or approximate date of earliest ber	eficial use; and how con-
				tinuous the use has been	
				See Item 3, Exhibit I.	
		E			***************************************
 	-1- -+		4.	The amount of groundwater claimed (in	miner's inches or gallons
- 	-} }-			per minute) See Item 4, Exhibit	<u> </u>
<u> </u>					***************************************
			5.	If used for irrigation, give the acreag	e and description of the
	8			If used for irrigation, give the acreage lands to which water has been applied	and name of the owner
				thereof Not used for irrigation	
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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 School of Mines and Quadruplicate for the Appropriator. 1241

ITM NUMBER Well Identification	to p	Section	o integral	Page	1/6 800.	Date of Earliest and Continuous Use	(h) Gallons Per Einute Claimed	(7) Date Drilled	(8). Depth of Water Table	Estimated Estimated Gallens Ground Water Pumped Establish
No. 2 Well	129	13	2	478	Z	1948 to 1962 '	Ę	duly 1848	210 n.	359,856
No. 3 Pasture Well	131	7	£	478	7	1950 to 1962	v ,	No record	22 A.	105,754
No. 3 Well	132.	Ų	•	47E '	M.	Prior to 1924-1962	, ot	No resurd	To log "	158,630
No. 7 Well	133	26	8	1894	SI .	Prior to 1924-1962	70 ,	No record	No log	335,866
No. 1 Well	134	17	72	agh.	**	Prior to 1924-1962	′ و	No resord	No log	246,758
Cupter Plat Well	136	*	6	45E /	SE .	1935 to 1962	N	Ost. 1935	112 n.	112,495
Lower Lightte Well	137 ·	N	8	161	**	Prior to 1924-1962	V A	He record	No les	785,069
Upper Lignite Well	138	1	8	168	1	1948 to 1962	Ŕ	July 1948	629 n.	267,885
Upper Coal Greek Well	, 66T	31	8	297	9	1942 to 1962	Z.	June 1942	289 A.	87,467
2 C Bend Well	Tto.	36.	8	478	SW	1950 to 1962	, OT	June 1950	# n.	143,942
Canel Back Well	141	*	72	46E	8	1947 to 1962	, ot	Feb. 1947	616 n.	215,914
Indian Greek Well	142	22	2	168	, AM	1947 to 1962	ŗ	Feb. 1947	615 n.	186,006
Blakely Creek Well	щ3	F.	718	46E /	SH	1942 to 1962	•	June 1942	680 r.	89,167
Domestic Well #1	. *** *	69	738	46E /	¥	1955 to 1962	8	June 1955	420 ft.	677,520
Domestic Well #2	15.	7	73	161	Ħ	1958 to 1962	250	0et. 1958	195 A.	677,520
Hatchery Well	TH6	22	2	16 1	Ħ	No record	1.5	No record	600 A.	699,048
Meader Well	. th	<mark>ಕ</mark>	3	468	Ħ	1960 to 1962	70 ,	Jely 1960	20 n.	156,519
Field 3 Well	Tree.	ti .	72	149E	8	1961 to 1962	y ,	Ost. 1960	102 A.	173,300
Hog Bank Hell	149	Ŋ,	*	178	S	1932 to 1962	*	Kay 1932	194 24.	146,880
Ione Pine Well	750	2	2	#6B /	9	1932 to 1962	*	May 1932	ш5 п.	146,880

LOGS OF TRILLS THAT ARE AVAILABLES

NO. 2 HELL - MAP NO. 123

210 ft. depth of well 211 ft. 4" casing 5 joints of 4" perforated Water level 115 ft. Drawdown 119 ft. at 9 GPM 1 ft. top soil 1 ft. to 180 ft. blue gumbe 180 ft. to 183 ft. hard sand rock 183 ft. to 210 ft. Blue mater sand

COSTER PLAT WELL - MAP NO. 136

		_		
0	to	251		Yellon clay
25		33		Gravel
33		60	Thus.	Brown send rock
60		1.27	-	Guaba
127		131		Idgnite coal
131	-	135	-	Dark Clay
135		137	-	Lignite scal
137	-	139	***	Dark clay
139	-	142		Hard rock
142		173		Gray sand and shale
173		193		Blue guado
193	-	194		Hard rock
194	-	254	-	Gray gumbe
254	-	2541 81		Hard rock
2541	**	276	-	Granbo
276		315		Sandy Shale
315		34.6	-	Bine gunbo
346	-	346 362	-	Snad
362	-	365	-	Blue grade
366	-	396	****	Sand (hole bailed out and 4" casing set.)
396	-	397		Hard rook
397	-	416	-	Sand
416		417	-	Hard rock
417		476	4440	Sand rook
476	***	476" 4"		Hard rock
1761	<u> </u>	486	Olego	Sand rock
486	***	487	-	Hard rock
487	-	495		Sand rosk
495	-	496	4404	Hard rosk
496		515	-	Sand rook
515	****	519	Contract of the Contract of th	Hard rock
519	-	521		Hard sand rook
1-1		/		

UPPER LIGHTER WELL - MER NO. 198

620 ft. depth of mell	1 ft. to 25 ft. Sand and gravel
357 ft. A* casing	25 ft. to 35 ft. Yellow clay
6 Jtm. 4" perfereted	35 ft. to 36 ft. Rock
263 ft. 2" casing	38 ft. to 58 ft. Blue gambo
12 joints 2" perforated	58 ft. to 59 ft. Rock
17 ft. 3" casing	59 It. to 201 It. Blue guabo
1-3" X 2" reduser	201 ft. to 202 ft. Small conl vein
Mater level 125 ft.	202 ft. to 397 ft. Blue gumbe
Drawdown 208 ft. at 9 GPM	337 ft. to 357 ft. Water bearing send la GPM
	357 ft. to 400 ft. Blue guibe
	400 ft. to 620 ft. Water sand streek with Cambo

UPPER COAL CREEK - NAP NO. 139

2 ft. top soil	132 ft. to 135 feet Rock
2 ft. to 45 ft. Yellow clay	135 ft. to 147 ft. Dark gumbo
45 ft. to 47 ft. rock	147 ft. to 149 ft. rock
47 fo. to 55 ft. gray guide	149 ft. to 158 ft. sand-little water
55 ft. to 60 ft. sand-little water	158 ft. to 160 ft. rock
60 ft. to 70 ft. gray gumbo	160 ft. to 235 ft. gray guabo
70 ft. to 132 ft. dark gumbo	235 ft. to 275 ft. water sand
sixed with coal	275 ft. to 289 ft. gumbo

CAMEL BACK WELL - MAP NO. 161

0 ft. to 10 ft.	Top soil	225 ft. to 245 ft. Gumbo
10 ft. to 22 ft.		345 ft. to 365 ft. Sandy
22 ft. to 35 ft.	Gambo	365 ft. to 460 ft. Gumbo
35 ft. to 45 ft.	Send	460 ft. to 480 ft. Sand
45 ft. to 110 ft.		480 ft. to 545 ft. Gumbo
110 ff. to 130 ft.		545 ft. to 546 ft. Rock
130 ft. to 218 ft.		546 ft. to 616 ft. Sand-watersend 70'
218 ft. to 225 ft.		616 ft. to 626 ft. Truebo

INDIAN CREEK SELL - HAP NO. 142

0-33 n.	Top soil	254 ft. to 256 ft.	Gundo
33 ft. to 46 ft.	Gravel.	256 ft. to 258 ft.	Rock
46 ft. to 63 ft.	Gusto	258 ft. to 366 ft.	Compo
63 It. to 66 It.	Rock	366 ft. to 370 ft.	Ros k
66 ft. to 110 ft.		370 ft. to 412 ft.	
110 ft. to 140 ft.		412 ft. to 450 ft.	
140 ft. to 170 ft.		450 ft. to 475 ft.	
179 ft. to 190 ft.		475 ft. to 526 ft.	
190 ft. to 220 ft.		526 ft. to 542 ft.	
220 ft. to 222 ft.		542 ft. to 565 ft.	
222 ft. to 252 ft.			Send-50' nater bearing
252 ft. to 254 ft.		615 ft. to 626 ft.	

BLAKELY CHECK WALL - MAP NO. 143

3 ft.	Top soil	230 ft. to 430 ft. Gumbo
3 ft. to 22 ft.	Brown send	430 ft. to 432 ft. Rock
22 ft. to 30 ft.	Gravel & searce sand	432 ft. to 460 ft. Sendy shale
30 ft. to 80 ft.		460 ft. to 496 ft. Oumbo-seal on F rock
80 ft. to 125 ft.		496 ft. to 535 ft. Sand)
125 St. to 126 ft.		535 ft. to 537 ft. Rock) Water
126 ft. to 155 ft.		537 ft. to 680 ft. Sand)
155 ft. to 165 ft.		680 ft. to 690 ft. Quabo
165 ft. to 230 ft.		

DOWESTIC WELL No. 1 - MAP NO. 144

0 - 2 A.	Top Soil	39 ft. of 17" pipe
8 - 38 M.	Gravel	422 ft. of 10° pape
38 - 90 M.	Clay	100 ft. perforation
90 - 129 th.	Sand	320 ft. cemented to top of ground level
129 - 132 re.	Rock	•
132 - 166 ft.	Sand	
166 - 237 ft.	Shale	
237 - 260 ft.	Sand	
260 - 320 st.	Shale	
320 - 372 ft.	Sand	
372 - 420 ft.	Sandy shale	

DOMESTIC WELL NO. 2 - MAP NO. 145

0 - 15 ft.	Top soil	237 - 241 M.	Rock
15 - 32 16.	Orevel.	240 - 362 ft.	Combo & Shale
32 - 45 16.	Granbo	382 - 386 ft.	Hard rock
45 - 100 ft.	Sand	386 - 415 ft.	Shale
100 - 120 ft.	Shale	415 - 424 ft.	Send
120 - 125 Pt.	Hard rock	124 - 110 ft.	Shale
125 - 130 ft.	Shalo	140 - 143 ft.	rook
130 - 132 14.	Rock	143 - 468 ft.	Sur.4
132 - 140 ft.	Sand	468 - 470 ft.	Hard rock
140 - 205 ft.	Shale	470 - 485 14.	Sand
205 - 207 ft.	Rock	485 - 495 18.	Shale
207 - 215 ft.	Shale	400 400	
215 - 225 ft.	Sandy shale	Draw down -	50 A.
225 - 237 ft.	Stale	Sater level -	

FIELD 3 THAT - FAP NO. 146

0 - 5 ft. 5 ft 7 ft. 7 ft 29 ft. 29 ft 54 ft.	Sandy soil Sand Book Gravel Combo	57 ft. to 64 ft. Guade 66 ft. to 69 ft. Agter sand 69 ft. to 73 ft. Cambo 73 ft. to 80 ft. Cater sand
54 fb 55 fb.	Mater Seep	81 ft. to 102 ft. Gumos

HOG BACK WELL - HAP HOE LAS

0 - 1 R.	Top soll	91 ft 147 ft.	Dime shale
1 16 39 ft.	Sandy formation	147 16 149"-9"	Send rock
39 M 43 M.	lignite coal	149'-3" - 152 ft.	Mater sand
41 ft 90 ft.	Firm shale	152 12 194 12.	Rock on bottom
00 66	Charles and the		

LOWE PINE WELL - EAP NO. 150

0-116	Top Scil	39 ft 50 ft.	Blue shale
1 11 24 11.	Sendy formation	50 ft 513 ft.	Send resk
24 M 33 M.	Blue clay & I reck boulder	534 ft 75 ft.	Blue water sand
33 ft 39 ft.	Sand rock	75 ft 115 ft.	Bottom consisting of
		_	soul formation

NOTE: Well Map Numbers 131, 140 and 147 were hand dug through top soil to Gumbo. All other wells drilled.

Map No. 346 is a flowing well.

?967

County Clerk and Ex-Officic Recorder a

Poster County, Montane

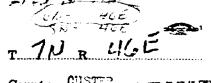
Line a Dent

CW3

File No. 259/

DUPLICATE

Ch. A. J. M. Br. C. M.



County CUSTER CETYE

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

	Date of Appropriation of Groundwater 12/31/24 U.S. Dept. of U.S. Range Live. Exp. Sta Owner Agriculture Address Files City, Font and Contractor (if any) None
	Address of Contractor None
	Date Started 1/1/12 Date Completed 12/31/24
*	Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable (not applicable) Water was obtained by digging out spring, enclosing source and plping to tank at lower elevation. Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermit-
	tent estimate approximate lengths of periods of use
Indicate point of appropriation and place of use, if possible. coation of springs shown or springs shown or springs.	
Avestock Experiment Station	No.
	U.S.D.A., U. S. PANGE LEVENCE EXPERIENT STATION Signature of Owner BY: in Charge 12/29/61

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

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

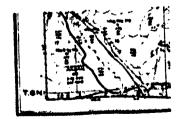
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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

OF GROUNDWATER CODE

SPRING LOCATIONS

Spring Ho.	Name of Pasture Located	Township No.	Range Ho.	Section No.
	Blakely Creek (Gravel Pit)	7 North	46 East	10
1	Lower Cottonwood	7 Morth	46 East	n
2	Lower Cottonwood	8 North	46 East	35
S		8 Worth	46 Best	56
4	Spring Coules	7 North	46 East	22
. 5	Field No. 1	7 Morth	46 Bast	28
6	wiw Pasture	7 North	46 East	28
7	North Custer Flat	7 North	46 East	28
8 ,	North Custer Flat	• • • • • • • • • • • • • • • • • • • •	46 East	8
9 ,	Moon Creek	6 North	46 East	16
10	Moon Creek	6 North		-
11	Moon Creek	6 North	46 Rast	



	A unk an
PLICATE	County Custar STATE OF MONTANA
ADMINIS	Miles City AFS
	FFICE OF STATE ENGINEER Well No. 3
D1	
Declaratio	n of Vested Groundwater Right
RT F. STRAUB, Chief, Apquisition	napter 237, Montana Session Laws, 1961) on Branch, Real Estate Division, STATE ENGINEER Le, for and on behalf of
	of 1519 Alaskan Way South, Seattle &,
(Name of Appropriator)	(Address) (Town)
have appropriated groundwater acc	State of Weshington cording to the Montana laws in effect prior to January 1, 1962, as f
lows:	and the monotone have in career prior to cultury of acceptance as
N	2. The beneficial use on which the claim is based To be vaid
	2. The beneficial use on which the claim is based To be ward to united States AF for its personnel in official data
	3. Date or approximate date of earliest beneficial use; and how co
	tinuous the use has been 1958
E	
	4. The amount of groundwater claimed (in miner's inches or gallo
	per minute) kO Gellens Per Mirate
	5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the own
8	thereof
M v4 Sec 9 T 6N R h6 E	
dicate point of appropriation	
nd place of use, if possible. ach small square represents 10	6. The means of withdrawing such water from the ground and t
rres.	location of each well or other means of withdrawal removed from well as shown or described on well leg.
The date of commencement and con	mpletion of the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with
The date of commencement and condrawal of groundwater Commence	mpletion of the construction of the well, wells, or other works for wited April 1958 - Completed May 1958
drawal of groundwater Commence	ed April 1958 - Completed May 1958
The depth of water table 360 for	ed April 1950 - Completed May 1950
The depth of water table 360 for as it may be available, the ty	ect one size and depth of each well or the general specifications of a
The depth of water table 360 for as it may be available, the tyother works for the withdrawal of	of April 1958 - Completed May 1958 out ope, size and depth of each well or the general specifications of a groundwater 8 - 1100 feet
The depth of water table 360 for as it may be available, the tyother works for the withdrawal of	of April 1958 - Completed May 1958 out ope, size and depth of each well or the general specifications of a groundwater 8 - 1100 feet
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The depth of water table	of April 1958 - Completed May 1958 out ope, size and depth of each well or the general specifications of a groundwater 8 - 1100 feet
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The depth of water table	ect ype, size and depth of each well or the general specifications of an groundwater 1100 feet ater withdrawn each year 5,930,100 Gallons in the drilling of each well if available see attached leg nature as may be useful in carrying out the policy of this act, including
The depth of water table	wpe, size and depth of each well or the general specifications of an groundwater
The depth of water table	oot ype, size and depth of each well or the general specifications of argroundwater 0" - 1100 foot ater withdrawn each year 5,930,100 Gellons in the drilling of each well if available See attached log nature as may be useful in carrying out the policy of this act, includice county record UNITED STATES OF AMERICA through U.S. ADM MIGISTER

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. 1900

DEPARTMENT OF THE ARMY MILES CITY A.F.S. MONTANA SHEET	-	·	DAMENT OF THE	11.	. PPOJECT	-	· .					
DRILLING LOS DRILLING LOS 1. DOS UNITS (A show) = Grant TIFF and TIF No. 2 to MILLING SOCIAL TO A CONTROL TO THE NO. 2 to MILLING SOCIAL TO A CONTROL TO THE NO. 2 to MILLING SOCIAL TO A CONTROL TO THE NO. 2 to MILLING SOCIAL TO A CONTROL TO THE NO. 2 to MILLING SOCIAL TO A CONTROL TO THE NO. 2 to MILLING SOCIAL TO A CONTROL TO THE NO. 2 to MILLING SOCIAL TO A CONTROL TO A CONTR	DIV			•	MILES						TANA	SHEET _
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Section of the Residence

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1. PROJECT DEPARTMENT OF THE ARMY MILES CITY A.F.S., MONTANA . . NORTH PACIFIC DIVISION WATER SUPPLY
2. LOCATION (Coordinates or Station) INSTALLATION SERTTLE DISTRICT DRILLING LOG (Continued) SEE SHT. 1 1101 CLASSIF CATION OF MATERIALS REMARKS (Water loss, drilling time, etc DEPTH LEGENO 880 1898 882 LIGHT GRAY, FINE-GRAINED, ARGILLACEOUS 55 1892 888 sh BROWN TO GRAY 1886 894 GRAY, FINE GRAINED, ARGILLACEOUS FORMATI 55 1880 900 sh GRAY & BROWN 1868 912 GRAY, SANDY 5h (KANCE) 928 1852 5h GRAY 938 1842 sh GRAY, SANDY 1834 946 EEK Sh-GRAY, PLASTIC 1833 BROWN, PLASTIC 5h 1824 956 ý Û LIGHT GREEN 5 h 1815 965 5h GRAY 1810 FIL 970 sh BARK BROWN 1804 976 5 h DARK GRAY 1793 987 988-1008 FT. PERFORATED PIPE GRAY, FINE GRAINED. BASED #7 JOHNSON SANOSTON ARGILLACEOUS, 55 5CREEN WATER BEARING 1759 GRAY, SANDY 54 1749 1021 GRAY, SLIGHTLY ARGILL ACEOUS 55 1745 1025 41LLS 5 h GRAY 1735 1035 GRAY, SANDY 5h 1725 1045 W SHAL DARK GRAY, 5h Ø PLASTIC BEARDAW BOTTOM OF BINCH CASING- 1100 FT. 1680 1100 BOTTOM OF HOLE

ENG FORM 1838a

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PROJECT MILES CITY A.FS. MONTANDOLE NUMBER W-3

5283 **E** County Clerk and Ex-Officic Recorder Custer County, Montane Depu

T 6N R 46E County Custer DUPLICATE STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CCDE OFFICE OF STATE ENGINEER Declaration of Vested Groundwater Rights STATE ENGINFER (Under Chapter 237, Montana Session Laws, 1961) WELL # 1 1 United States Air Force Station of Miles City, Montana (Address) (Town) (Name of Appropriator) County of Gustar 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..... Domestic Water Supply 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 25 September 1953 Continuous 4. The amount of groundwater claimed (in miner's inches or gallons per minute)...... 20 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 H......... Sec. 9.... T.6.... R.46. Bast MPM Indicate point of appropriation and place of use, if possible. Each small square represents 10 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal..... acres. Submersible Deep Well Pumping 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.Started Drilling 10 September 1953 - Completed 25 September 1953 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater..... 4" Casing 620.8! Depth Deep Well...... 10. The estimated amount of groundwater withdrawn each year.....5, 783,000...Gallons...Par...Year.... 11. The log of formations encountered in the drilling of each well if available..... ____Attachment # 1 12. Such other information of a similar nature as may be useful in carryin; out the policy of this act, including reference to book and page of any county record.....

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

Signature of Owner

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.

5557

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Custo American Recorder S.

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ATTACHMENT #1

ATTACHMENT #1	M
Log ca Well # 1 at 902Nd Radar Squadron, Miles City Air Force Station, Montana	ピ
Surface to 45 ft Yellow Clay	EER
45 ft to 50 ft Sand And Gravel	· •
50 ft to 550 ft Gray Guesbo	
550 ft to 629 ftSoft Sand Rock (Water Sand)	. {
4" Casing perforated from 483.3' to 549.9' 4" Sasing perforated from 561.1' to 605.8'	3

Well drilling accomplished by George F. Askin Miles City, Montana

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550

Top of Ground WELL # 1

45 Ft. Yellow Clay

550 ft Gray Gumbo

50 ft Sand And Gravel

620 ft Soft Sand Rock

Bottom of Well 620 Feet.

Water rises in well to

(Water Sami)

(Elev. above sea level 2798.00)

				Cust
County	 			· Oac v

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater 9 Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961) GINEER

Owner inited States Air Force Address Hiles City Air Force, Station, Montana

Driller George F. Askin Address Miles City, Montana

Date of Notice of Appropriation of Groundwater 25. September 1953.....

Date well started 10 Sept. 1953.... Date Completed 25 Sept. 1953....

Equipment Used....Churn Type of well Drilled (Churn, drill, rotary or (dug, driven, bored or drilled) other)

Irrigation [Stock Municipal [Water Use: Domestic 🔼 Other 🔲 Drainage 🗌 Industrial [

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

- The state of the	Size and	From	To	PE	RFORATION	15
of Drilled Hole	weight of Caving 4th Casing 24 Lbs.	Sur tifice	(Fret) 6201	Kind Size 12 ^m Slotted	From (Feet) 483 ¹ 561.1	5491 6051
	Per foot					

Shut-in Pressure for Flowing Well Not Applicable Discharge in gal, per min. of flowing well Kot. Applicable. How Tested Pumping Test Length of Test One Hour Remarks: (Gravel packing, camenting, 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)

Cemerang, Domestic use only

Driller's License Number

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.

M 14 Sec. 9 T 6 RA6 East MpM

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

Show exact depth of bottom.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines 2030. and Quadruplicate for the Appropriator.

5556 *5336*

t 9:15 G'Clock A. I.

Q'Clock A. I.

Quality Clerk and Ex-Official Recorder of
Custor County, Mortana

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ICATE	STATE OF MONTANA	CountyCuster
	ADMINISTRATOR OF GROUNDWATER CODI	n a de de servicio
	OFFICE OF STATE ENGINEER	
	Declaration of Vested Groundwater	Rights TATE THOUSE
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Country of Ci	State of Montana	
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Custo County Montary

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ATTACHMENT # 1

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

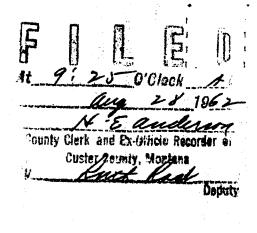
Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

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to 50 Ft Sand And	Gravel riller	George F. As	kin	Addre	ss Hiles	City, Mo	ntana
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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.

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.



GW 2	•						16
File No	م در مدرستان الم			T .(R.	Her	
DUPLICATE	$= - \sqrt{N} \times 1$			Cou	ntyCUS	TER	·····
Top of Ground		ADMINIS O	STATE TRATOR FFICE OF	OF MONTO	TANA)	CELV	YED 62
(Elev. above sea level	·····)	Notice	of Com	letion of by Mea	Ground	water	
		(Under Ch					
	Owner	U.S. Dept. of	Agrioul	tur s Addre	J.S. Rang	e Livert	ock Exp. City. Mon
-		AsKink	A.				
		of Notice of App	2	'	_		_
- 1	Date v	vell started	N# 19	2 Date	Completed.	apr'll	1962
-	(dug	of well	eled		nt Used		4
-	Water	Use: Domestic Industrial		micipal [] ainage []	Stock: Other		rigation 🗌
	ctrata etc. Sh	dicate on the di met with in dri low depth at wh bearing strata a	lling, such ich water	as soil, cla is encounte	ay, shale, g red, thickn	gravel, roc less and ch	k or sand, paracter of
nauri A	Size of	Size and Weight of	From (Feet)	To (Feet)	le i	ERFORATION	18
	Brilled Hole	Casing 4"	0	280	Kind Sine	From (Feet)	To (Feet)
-				•			
 .						: 	
N		tatic Water Lev					
		hut-in Pressure umping Water I					
-		umping water i Discharge in gal,					
- W	R	low Tested 3	-	_			
	7	temarks: (Grave	l packing, place of u	cementing	, packers, t ndwater if	type of shu	utoff, loca-
-			-	tinent info		, , ,	
	N RAGE			used for i			
Indicate location of place of use, if possi	ble. Each	Sand	to	Que	Lace	······································	
Show exact depth of bot			·	•••••	~~ <u>~</u>	*******************	
				Drille	r's License	Number	11.
				Drille	r's Signatu	7 4 L1	skin

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

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

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

896.

At 10:45 0'Clock A:

Sure 6 10 6 2

T. Z. Cangleman

Towns Charles Recorded

Party Princip Mentage

V

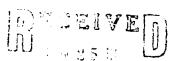
Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
3	U.S. DEPT. OF AGRICULTURE	G-W-4	2967	
7	U.S. DEPT. OF AGRICULTURE	C+ W-4	2967	SAINE ASSEC. #3
26	U.S. DEPT. OF AGRICULTURE	GW-4	2967	SAME AS SEC. # 3
36	U.S. DEPT. OF AGRICULTURE	C+ W-4	2967	SAME N'S SEC.# 3
			The state of the s	
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		**************************************		***************************************
				

wd 12967

PUPLICATE

County CLATTR

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



J. S. DEPARTMENT OF AGRICULT	U. S. RAWE LIVEUTOCK EXPERIUMNT STATION
(Name of Appropriate	U.S. of EOX 810, UILTS CITY or) (Address) (Town)
	State of William
nave appropriated groundwater	State of State of according to the Montana laws in effect prior to January 1, 1962, as fol-
N N	a man a sur
	2. The beneficial use on which the claim is based Furnish water for demestic use and for watering livestock.
	3. Date or approximate date of earliest beneficial use; and how con-
	tinuous the use has been see Item 3, explicit 1.
	4. The amount of groundwater claimed (in miner's inches or gallons
	per minute) Ese Item 4, Exhibit I.
	<i>'</i>
8	5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner
	thereof Not used for irrigation.
Sec T R	
dicate point of appropriation d place of use, if possible.	6. The means of withdrawing such water from the ground and the
ich small square represents 10 res.	location of each well or other means of withdrawal
	with windmills and auxiliary engines.
The date of commencement and	completion of the construction of the well, wells, or other works for with-
The date of commencement and drawal of groundwater	completion of the construction of the well, wells, or other works for with-
The depth of water table	se Item 8, Echibit I. Later table given is depth to mater caring sands pumped.
The depth of water table	
The depth of water table	e type, size and depth of each well or the general specifications of any
The depth of water table	e type, size and depth of each well or the general specifications of any
The depth of water table	e item 8, Echibit I:ater table given is depth to mater caring sands pumped. e type, size and depth of each well or the general specifications of any of groundwater is wills that are available.
The depth of water table	e item 8, Echibit I. Later table given is depth to mater dering sands pumped. e type, size and depth of each well or the general specifications of any of groundwater is wills that are available. dwater withdrawn each year ————————————————————————————————————
The depth of water table	e item 8, Echibit I:ater table given is depth to mater caring sands pumped. e type, size and depth of each well or the general specifications of any of groundwater is wills that are available.
The depth of water table	e item 8, Echibit I. Later table given is depth to mater dering sands pumped. e type, size and depth of each well or the general specifications of any of groundwater is wills that are available. dwater withdrawn each year ————————————————————————————————————
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The depth of water table	e item 8, Echibit I. Later table given is depth to mater dering sands pumped. e type, size and depth of each well or the general specifications of any of groundwater is wills that are available. dwater withdrawn each year ————————————————————————————————————
The depth of water table	etype, size and depth of each well or the general specifications of any of groundwater are available. dwater withdrawn each year
The depth of water table	etype, size and depth of each well or the general specifications of any of groundwater are available. dwater withdrawn each year

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

And the second s

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

Woone Pine Wall TIBM NUMBER Well Identification Meador Well Etald 3 Wall Custer Flat Well No. 2 Woll Hog Back Wall Matchery Well Camel Back Well Oppor Lignite Well Lower Lightte Well' No. 1 Well No. 3 Wall / Domestic Well #1 Blakely Creek Well Indian Crook Well 2 G Bond Wall No. 7 Well ' No. 3 Pasture Well Domestic Well #2 Upper Coal Greek Well Map Number 137 136′ 133′ 133. 131, S 3 12 E Mo, . 6ET 138 , tet ZTZ , 146 £45 ,44T 67X 877 Section **1**4 17 26 * 36 (K 24 / ば ₩, 73 / ಭ ►. کر Ŋ ¥ **8 6**4 , , K 8 * E , EL æ ' E, 耳 1 72 / * 78. 民 IL. H Range 168 . 1,68 7 297 16E (45E / , 39th 468 178 17B ¥ó# . PEN 19T 46B / 46E / 161 47E 47E 16E / 百一百 MK , SH N. K H. Ħ Ħ N 制 HZ (ž, MA / 2 Ħ, SH, X # ' N. Ä Prior to 1924-1962 Prior to 1924-1962 Prior to 1924-1962 Prior to 1924-1962 Date of Earliest and Continuous Use 1952 to 1962 1935 to 1962 1950 to 1962 1948 to 1562 1948 to 1962 1961 to 1962 1955 to 1962 1942 to 1962 " 1947 to 1962 1947 to 1962 1950 to 1962 1932 to 1962 1960 to 1962 to record 1958 to 1962 1942 to 1962 . (3) Par Kinute Claimed Gallons 250 5 , Q ğ 8 72, , ot 7 70, Ŕ (1) 5 5 × 2 ý July 1960 No record Oct. 1935 No record July 1948 Kay 1932 July 1948 Date Drilled Hay 1932 Oct. 1960 Oct. 1958 June 1955 June 1942 Feb. 1947 Feb. 1947 June 1950 June 1942 No record No record No record No record 3 Depth of Water Table 120 ft. No log . 112 ft. 115 st. 195 m. 616 R. 289 A. No log 210 ft. 194 A. No log No log . 102 A. 600 A. 680 A. 615 A. 620 ft. . * tr 20 n.: 22 st: (8) Gallons Ground-Mater Pumped Earh Year 359,856 158,630 ~ 105,754 ~ 677,520 677,520 , 900'88T 287,885 690'SBT .. 564° 211 246,758 Estimated 146,880 173,300 156,519~ - 870°669 215,914 -143,942 335,866 ~ 146,880 . 89,167 89,467 -(<u>d</u>

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GROUNDWA"	TER INDEX	ı			P	ageof
County	11112 420		Twn.	61	Rge. 48E	

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
	KYHL, H., J.	WATER WELL LOU	148712	Free 10 61
6	DENT, JOES.	GW-4	10038	
6	WOODARD, NORMAN	GTW-4 GTW-1, E WATER WELL LOG	///35	
36	WOODARD, NORMAN DAMMERINK (STATE LAND)	WATER WELL LOG	2582	
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rue	410	٠.

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DUPLICATE

County Custer

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

DECEIVED OCT 24 1963

Joe S. Dent;	cf	2102 Stower St.	Kiles City
(Name of Appropriator		(Address)	(Town)
County of	State ording to the Montana	11	uary 1, 1962, as follows
m abbrobitore Bronzenser			• , .
	2 The heneficial ne	e on which the claim is bas	livestock wat
		e on which the clarm is oas	Eu
		nate date of earliest benef	
	finuous the use i	nas been From Augus	5 2), 190), contil
	*******************************	· · · · · · · · · · · · · · · · · · ·	
	A The amount of a	roundwater claimed (in m	inar's inches or callens
		gapana	
	•		
	E 78 2 Francisco	tion wine the second of the	Annuintles al Maria lacit
	to which water l	tion, give the acreage and has been applied and nam	e of the owner thereof

4 Sec.6 T. 6 R. 482	***************************************	,	######################################
ate point of appropriation	*************************		
place of use, if passible. amall square represents 10	6. The means of w	ithdrawing such water fr	om the ground and the
	location of each	well or other means of wi	
	.pumpedtoth	a.auriace.bya.h.p.	.electric_pump
Why did all commencement and co	One wall los range 48 E.	ated in Lot 1, Seat	lon_six,_tvp6
The date of commencement and condrawal of groundwater	range 48 E. pletion of the construct g commenced Augus	ated in Lot 1, Seat	other works for with d August 22, 196
	range 48 E. pletion of the construct g.commenced.angua	tion of the well, wells, or t. 20, 1963, complete	other works for with d August 22, 196
The depth of water table	range 48 K. pletion of the construct g commenced Angua foot ppe, size and depth of water. One well	tion of the well, wells, or t. 20, 1963, complete bach well or the general sp	other works for with d August 22, 1963
The depth of water table	pumped to the One wall loss range 48 K. pletion of the construct construct construct construct construct construct construct construct construction of the constructio	tion of the well, wells, or t. 20, 1963, complete bach well or the general sp 1, depth 240 feet,	other works for with d August 22, 196
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The depth of water table	pumped to the One wall loss range 48 K. pletion of the construct construct construct construct construct construct construct construct construction of the constructio	tion of the well, wells, or t. 20, 1963, complete bach well or the general sp 1, depth 240 feet,	other works for with d August 22, 196
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The depth of water table	pumped to the one wall loss range 48 K. pletion of the construct construct construct construct construct construct construct construct construction of the constructio	tion of the well, wells, or t. 20, 1963, complete	other works for with d August 22, 198
The depth of water table	range 48 K. pletion of the construct g commenced Angua foot ppe, size and depth of water. One well down 72 foot. or withdrawn each year n the drilling of each	tion of the well, wells, or t. 20, 1963, complete to the general splane well or the general splane well if available	other works for with d August 22, 198
The depth of water table	range 48 K. pletion of the construct g commenced angua foot ppe, size and depth of water. One well down 72 foot. or withdrawn each year the drilling of each 35-2401 gambo	tion of the well, wells, or t. 20, 1963, complete to the general splane well or the general splane well if available	other works for with d August 22, 198
The depth of water table	range 48 K. pletion of the construct g commenced angua foot ppe, size and depth of water. One well down 72 foot. or withdrawn each ye n the drilling of each 35-2401 gambo	tion of the well, wells, or t. 20, 1963, complete to the general splanch well or the general splanch. Aepth 240 feet, well if available	other works for with d August 22, 198
The depth of water table	range 48 K. pletion of the construct g commenced angua foot ppe, size and depth of water. One well down 72 foot. or withdrawn each ye n the drilling of each 35-2401 gambo	tion of the well, wells, or t. 20, 1963, complete to the general splanch well or the general splanch. Aepth 240 feet, well if available	other works for with dangust 22, 198
The depth of water table	range 48 K. pletion of the construct g commenced angus feet pe, size and depth of water. One well down 72 feet. on the drilling of each 35-2401 gambo mature as may be useful ounty record.	tion of the well, wells, or t. 20, 1963, complete the second of the general spling depth 240 feet, well if available well if available.	other works for with d August 22, 196
The depth of water table	range 48 K. pletion of the construct g commenced angus feet pe, size and depth of water. One well down 72 feet. on the drilling of each 35-2401 gambo mature as may be useful ounty record.	tion of the well, wells, or t. 20, 1963, complete to the general splanch well or the general splanch. ar. 300,000 gallons. well if available	other works for with d August 22, 196
The depth of water table	range 48 E. pletion of the construct g commenced angua foet ppe, size and depth of water. One well down 72 feet. or withdrawn each year withdrawn each year mature as may be useful ounty record.	tion of the well, wells, or t. 20, 1963, complete to the general spoach well or the general spoach well or the general spoach. The second sec	other works for with d August 22, 1963
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Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bursau of Mines and Geology, and Quadruplicate for the Appropriator.

At 11:35 O'Clock A. R.

Gov. 73 1963

75. Ac Lever

County Clerk and Ex-Officic Recorder- el

Custer Gounty, Mentene

By

CARING

	, man,
File No	T TGR 48
DUPLIGATE V	County
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	STATE OF MONTANA STRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER
`	UL 7
Declaration (Under C	of Vested Groundwater Right FIE ENGINEER Chapter 237, Montana Session Laws, 1961)
Muse	In I mile Cite
(Mame of Approprietor)	(Address) (Town)
COUNTY OF	ording to the Montana laws in effect prior to Januar, 1, 1962, as follows:
N	ording to the Monton and in the policy of the property of
	2. The beneficial use on which the claim is based. Stock
	3. Date or approximate date of earliest beneficial use; and how continuous the use has been the second of the seco
	4. The amount of groundwater claimed (in miner's inches or gallons per minute)
	5. If used for irrigation, give the acreage and description of the lands
8	to which water has been applied and name of the owner thereof
W NE Sec. 6 T to R 48	
dicate point of appropriation	
nd place of use, if possible. ach email square represents 10	6. The means of withdrawing such water from the ground and the
pres.	location of each well or other means of withdrawal
7. The date of commencement and com drawal of groundwater	pletion of the construction of the well, wells, or other works for with-
d. The depth of water table	
works for the withdrawal of ground	ype, size and, depth of each well or the general specifications of any other water.
•••••••••••••••••••••••••••••••••••••••	
O The estimated amount of groundwate	ter withdrawn each year
i. The leg of logmetions encountered i	in the drilling of each well if available 0-20 left sail

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

Signature of Own

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

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

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.......

Country Clerk and Ex. Off-sio Recorder of Custer Scountry, Mondann

i

File No. G.W.

T (1) R 117 - 254

DUPLICATE

DUI	PLICATE	Coliniyxxxxxx
1	JUL 13 SNotte of Appropriation of G	NEER DECEMBER 1AN 2 1962
	STATE ENGINEER Chapter 237, Montana Session I, Frank S. Justil Vanna, of Manage of Appropriator) (Action of Appropriator)	on Laws, 1961STATE ENGINEE
	propriate groundwater in accordance with Chapter 23	7, Montana Session Laws of 1961.
2.	The beneficial use to which water is to be applied is,	Deanistic + Rivertock
	(describe lands to be benefited, if for irrigation)	
3.	The rate of use in gallons per minute or miner's inches	_
	100 gal pr minute	0
4.	The annual period (inclusive dates) of intended use .	year around
5.	The probable or intended date of first beneficial use	1020-28, 1741
6.	The probable or intended date of commencement and o	completion of the well* or wells*
7.	The location, type, size and depth of well or wells consequently on form no	
8.	The probable or estimated depth of the water table or	
9.	Name, address and license number of the driller engag	ed See from no 18.
10.	Give such other similar information as may be use-	N
	ful in carrying out the policy of this act	
	I am offer friating all	
	ground water on discoiled	W
	property Sac 2-5-48, Sic 4-5-43	
	Jan Offisefricting all Jeround water on discribed Jesperty Sec 2-5-48, Sec 4-5-48 Sec 28-5-50, Sec 36-6-48	
		Locate well or other means of development as accurately as possible on the plat.
		77 17 96 1447 111

Signature of Appropriator. Frank S, Julik Wanners.

Date 124. 25: 174

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

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

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

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

NO. 18

т		8
County	Curter	

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

Water Well Log
Owner Mate Sand Sund by Address Miles Esty Driller House Hoggins Address Wiles City Date Started Left 27, 1960 Date Completed Left 30, 1960 Location: Sec. 36 T. 6 R. 48 1 sec. NE 14
Type of well drilled Equipment used drill (Chur, drill, retary, other)
Water use: Domestic Municipal Stock Irrigation Industrial Drainage Other
Casing: 175 ft. to ft. Type Steel Size 4 in
Casing: ft. to ft. Type Size
Casing:ft. toft. TypeSize
Perforated or screened: Ft. to ft. Ft. to ft. to ft.
Static water level, for non-flowing well: 70 feet.
Shut-in pressure, for flowing well:lb./sq. in. on:(deta)
Pumping water level 100 feet at 10 gal. per min.
How tested: bailed by driller
Length of test
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
(over)

Log of Weil

Depth	feet	Description of Material Drilled
From	To	
0	10	elay
10	18	gravel 88 JC
18	20	eal 3
20	34	clay
34	38	Sand
38	53	Clay
53	56	hard rock
56	64	Shale
64	72	eoal
72	140	Skale
140	175	ivatu Sand
175	180	Skale

· .	Name of Appropriator	Type of Form	County File No.	Remarks
4	GIESICKE BROTHERS	67W-4	8678	
	Kish, a.J			1138 - 1 11 61 61 4815
\exists				

GROUNDWATER INDEX

Page

T	611	R	49E
County	Cust	er	***************************************

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana WATER WELL LOG

	Owner	. J. Kyhl		Miles City, Mont
	I.	. G. Bond		Address
	Date Started	Nov. 12,	1957	Date Completed Hov. 23, 19
	Location: Sec.		bN RLIGE,	sec. N.W. A.P.E.
	rilled		ť	Dable tool
Type of well	(Dug, driven, bore	1, or drilled)	Equipment used	(Churn drill), rotary, other)
Water use: Domestic		Municipal [Stock	Irrigation
Industrial		Drainage [Other:	
Jasing: Surface	15. to 220	ft. 7	Type Stock	Size
Jasing:	It. to	ft. 7	Гуре	Size
asing:	ft. to	ft. 7	Гуре	Size
Perforated or Screened:	Ft. 170	to ft	192 Ft	to It
-				
static Water level, for no	on-flowing well	• • • • • • • • • • • • • • • • • • •	- 1000 %000	50 feet
shut-in pressure, for flo	wing well:		lb./sq. in. on:	
-	40		6	(date)
Pumping water level			t	gal. per min
low tested:	Baller			
	** ******	۵		
ength of test			••••••••••••••••••••••••••••••	
Remarks: (Gravel pack	ing, cementing	g, packers, typ	pe of shut-off, depth	of shut-off)
		••••••••	***************************************	
	******************	***********	·· / · · · · · · · · · · · · · · · ·	
		•••••••		
υD			(over)	

		Log of Well	S 20 1 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Dept	h, feet		
From	To	Description of Material Drilled	Mary Corri an
			3 5 V C C
0 14 15 19 24 56 60 78 80 105 107 120 120 121 138 140 147 158 170 192	14	guabo	= 100 G
14	15	rock	
12	19 24	Gravel and clay	
19	<u> </u>	Band rook	226 6
SS.	56 60	Eumbo	
65-	78	dark gumbo	
78	78 80 106	rock	2 2 2 2
80#	106	guabo	
105	107	rook	
107	12 0 121 138	guabe	
120	121	rock	
121	138	Sumbo	
1.56	140	rock	
140	145	guzoo	
145	150	rock	
141	154	Empo	
160	158	coal and a little water	
170	170	guado	
100	220	water sand	
47E	EEU	Grapo	
			
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File No.							т 6 1	N R 49E	
DUPLIC	CATE						Count	y Custer	
			ADN	IINISTR		MONTANA ROUNDWATE TE ENGINEE			EIVE 1 19 1963
		De				Groundy	vater Rigi	hts STATE	ENGINEE
Con	ntv of:	Name of Cu	Appropria Ster	tor)	9	Addr) fate of	ess) Montana	Miles C (Tow January 1, 1962	Ta)
	o epprop.	N			5 10 120 210				,
				2.				based	
				3.	tinuous the	use has been	Has been	neficial use; an	tinuously
*		-	+	t			-		
		X		4.	per minute)5gallo	ns per mi	miner's inches	
				5.	If used for to which w	irrigation, give	the acreage a	nd description (of the lands ner thereof
8. The	depth of far as it is ks for the	water to may be a withdra	date u able	nknown nknown ne type, s undwater	on of the condition of	nstruction of to prior to to the prior to th	he well, wells, making t	or other work	f cny other
10. The					***************************************		***************************************	pumps 5 g	
	log of fo	POTOPE	encounter istor presen	knows Lown	of no l	og format based lan	ions, es	well was	drilled
	h other in	formation	of a simi	lar natur	e as may be record	useful in carr	ying out the p	olicy of this ac	t, including
******		Noc			ition kn	OND			***************************************
					S	ignature of Ov	visy fleet	and Cot	rissake
							Date Re	bruary 21	,1963
Three collocated.	opies to b	e filed by	the owne	er with th	ie County C	lerk and Reco	rder of the co	unty in which	the well is
Please at	nswer all	questions	. If not ap	pplicable,	so state, oth	erwise the for	m will be retu	rned.	
Original of Mines	to the C	ounty Cle logy, and	rk and Re Quadrupl	ecorder; icate for	duplicate to the Approp	the State Engristor.	rineer; Triplica	te to the Mont	ana Buicau

it 9:00 O'Clock G. M

Sure 7 1963

Jouney Clerk and Ex-Officio Recerder & Custer County, Mentana

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GROUNDWATER INDEX				Pageof
County CUSTER	Twp.	6N	Rge.	50E

\$ec.	Name of Appropriator	Type of Form	County File No.	Remarks
33	CHIESICKE BROTHERS	GW-4	8676	
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File	No

T. 6N. R. 50E

DUPLICATE

County.....Custer

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECEIVED Jun 19 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

ounty of Custer	(Address) (Town)
	State of Hontana ording to the Montana laws in effect prior to January 1, 1962, as follows:
•••	fully to the Montana laws in the prior so ballacty 2, 1000, 22 1000,
N	
	2. The beneficial use on which the claim is based.
	Watering livestock
	3. Date or approximate date of earliest beneficial use; and how con-
	fingous the use has been Has been used continuously
	for more than 10 years.
	The state of the s
	4. The amount of groundwater claimed (in miner's inches or gallons per admute)3. gallons per minute
	per Emute)
	1/
	5. If used for irrigation, give the acreage and description of the lands
B	to which water has been applied and name of the owner thereof
22 EN - 500	No irrigation
Sec. 33 T 6N R 50E	
e point of appropriation	***************************************
ace of use, if possible. mail square represents 10	6. The means of withdrawing such water from the ground and the
	location of each well or other means of withdrawal
	Windstll
awal of groundwater MORG. II	un 10 years prior to making this declaration.
ne depth of water table. Unk	nan 10 years prior to making this declaration, mown. Rosn. The prior to making this declaration, mown.
e depth of water tabi	TROWN. The size and depth of each well or the general specifications of any other water.
awal of groundwater	nan 10 years prior to making this declaration, mown. Rosn. The prior to making this declaration, mown.
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e depth of water table. Unless the type of the withdrawal of grounds.	nam 10 years prior to making this declaration, mown. The prior to making this declaration, mown. The prior to making this declaration, mown.
e depth of water table. Unk far as it may be available, the ty rks for the withdrawal of ground. Depth o	man 10 years prior to making this declaration, mown. The property of each well or the general specifications of any other water. The well 312 feet.
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twal of groundwater	moun. The size and depth of each well or the general specifications of any other water. The withdrawn each year. Unknown, but pumps 3 gallon. In the drilling of each well if available. Q-20 auxface acils.
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e depth of water tabi	mown. The size and depth of each well or the general specifications of any other water. Well 312 feet. Withdrawn each year Unknown, but pumps 3 gallon in the drilling of each well if available. 0-20 surface soil; coal; 54-155 blue shele; 155-198 sandstene; 290 coal and sand; 290-310 gray shale.
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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.

At \$:50 O'Ch. G. M.

At 2:50 O'Ch. G. M.

County Chark and Ex-Ufficie Recorder:

Custer Carretty, Montann

At 2:50 O'Ch. G. M.

At 3:50 O'Ch. G. M.

At 3:50 O'Ch. G. M.

At 4:50 O'Ch. G. M.

At 5:50
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