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County #11ver #

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER



DECLARATION OF VESTED GROUNDWATER RIGHTS (Under Chapter 237, Montane Session Laws, \$764TE ENGINEER

1. Bette, Assessin & Jee:	i žio žy. Co. , of	825 Utah Ave., Jotto	
(name of appropria	•	(address)	(Town)
County of Silver Bow ing to the Montana I	, State of Montana, aws in effect prior	have appropriated grouto Jan. 1, 1962, as for	indwater accord- ollows:
N N		beneficial use on which	h the claim is
	base	d nesal kousehold yurgesas es	d Belonater.
	3. Date ficis been	or approximate date of	earliest bene- ous the use has
	miner	mount of groundwater or sinches or gallons per mises.	claimed (in per minute)
I/4 Sec 3 T R 1 Indicate point of apprand place of use, if p Each small square repr	& despriation has lossible.	sed for irrigation, give cription of the lands seen applied & name of	to which water
acres.	the other	means of withdrawing suground and the location means of withdrawal	of each well or
or other works for	ement and completion withdrawal of ground the wall drilled format	of the construction of the	of the well, wells,
8. The depth of water	table Appreximately	ld foot below outlier	
9. So far as it may be general specificati	available, the type cons of any other wor	e, size and depth of earlies for the withdrawal	of groundwater
10. The estimated amoun			intely 100,000 ple-
		ne drilling of each we	ll if available
of chay, he from of de	composed greatte.		
12. Such other informat the policy of this	ion of a similar na act, including refe	ture as may be useful : rence to book and page	in carrying out of any Co.record
Date	Signature of	Owner	Ser O Kelly
STATE OF MONTANA	ss lee V. mily	having fir	st been duly

See 31- 104 Sec 2 (1-1/2)

Notary public for the St. of Montana, residing at

Subscribed and sworn to before me this

sworn, depose

Claimant of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person whose name subscribed thereto, as the appropriator and claiment, that ne know the contents of said foregoing notice & that the matters & things therein stated are true.

ay of

Commission expires

COUNTY OF SILVER BOW)

lawful age and

TE OF MONTANA

TY OR SILVER BOWN

A reby certify that the wieth instruction of the control of th

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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, 1965) ATE ENGINEER

(Name of Appropriator) (Address) County of Silver Bow, State of Montans, have appropriated groun the Montans laws in effect prior to January 1, 1962, as follows	
County of Silver Bow, State of Montans, have appropriated groun the Montana laws in effect prior to January 1, 1962, as follows	(Town)
•	twater according to
2. The beneficial use based	on which the claim is
Spring - ugad (
N 3. Date or approximate	Cate of earliest bene- continuous the use has
been been	CONTINUES 219 1194 1194
_ 1909	
4. The amount of groun miner's inches or g	
E ECO minerio de	
5. If used for irrigat	ion, give the screage a
and description of	
water has been application owner thereof	
/2 / A/A/S/ Sec TR. T. R. R.	
Indicate point of appropriation	
Each small somers represents 10 6. The means of withdr	location of such wall
Bertine Candina	
 The date of commencement and completion of the construction of other works for withdrawal of groundwater 	the well, wells, or
8. The depth of water table	
So far as it may be available, the type, size and depth of each specifications of any other works for the withdrawal of grounds	well or the general
	nter
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	Recr
10. The estimated amount of groundwater withdrawn each year	nter
10. The estimated amount of groundwater withdrawn each year	
10. The estimated amount of groundwater withdrawn each year	
10. The estimated amount of groundwater withdrawn each year	if evailable cerrying out the policy
10. The estimated amount of groundwater withdrawn each year	if available carrying out the policy record
10. The estimated amount of groundwater withdrawn each year	if available carrying out the policy record
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10. The estimated amount of groundwater withdrawn each year	if available carrying out the policy record
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10. The estimated amount of groundwater withdrawn each year	if evailable cerrying out the policy record Logical t been duly sworn, right mentioned in the whose name
10. The estimated amount of groundwater withdrawn each year	cerrying out the policy record Logical t been duly sworn, right mentioned in the whose name he know
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10. The estimated amount of groundwater withdrawn each year	cerrying out the policy record Logical t been duly sworn, right mentioned in the whose name he know
10. The estimated amount of groundwater withdrawn each year	t been duly sworn,
10. The estimated amount of groundwater withdrawn each year	t been duly sworn,
10. The estimated amount of groundwater withdrawn each year 11. The log of formations encountered in the drilling of each well 12. Such other information of a similar nature as may be useful in of this act, including reference to book and page of any county Signature of Owner	t been duly sworn,

hereby certify that the the

Pow County, Mon

	UPLICATE TIME HAVE	2	REGE MAY 7 TATE EN	1964 P	Connection	So, Helens, Montales	
,	Top of Ground (Elev. above sea level	:) N e	orice of (Appropr	Idiloii I	27 1110·	The first of Wasion Laws, 19	
2 2	grevel & elsy 1 gpm	Owner L	(Under Cha			Remocy Remocy	Mart.
-	[· ·		Leefe Dri			Dates, No	-
42	-1299999924_4C49499	Date of No	otice of Approp	oriation of G	roundwate	r	***************************************
-45	sandy granite water	Date well	started10-1	9-63	Date Co	npleted10	21-67
_		Type of w (dug, dri drilled)	ven, bored or	rd	Equipme (Churn, other)	ent Used	
F		Water Us	se: Domestic j Industrial		icipal [] inage []	Other [Irrigation [
-		• Indi	cate on the di	agram the	character	and thickness	of the different rock or sand, etc.
		Show den	th at which wa	ater is encou	intered, th	ickne m an a ci	arester of gular.
-		bearing a	trata and heigh	of to which	Waver rate	W CHE WOLL	
1-		Sho of Drilled	flor and Weight of	Press (Peet)	To (Foot)	Filled	GRATIONS
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					**	secure :	19 44
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-	_				· · · · · · · · · · · · · · · · · · ·		
	М	Star	tic Water Level	for non-flo	wing Well		
-		Silen	st-in Pressure	for Flowing	Well		en de tre « trappos d'époses d'été consequents
-		Pu	mping Water L	evel 22	fo	n at	gal. per minute.
-		Die	charge in gal.	per min. of	flowing w	ell	***************************************
		Ho.	w Testedb	iler	Leng	th of Test	2
-		Ret	tion of other	place of us similar per	e of grou tinent inf	ndwater if no formation, inc	e of ahutoff, loca- t at well, and any luding number of
-	v/ 514						
H	Sil y Bec. L.S. T.J.N	$\mathbf{R}.\widehat{\mathbf{I}}_{N}$ \mathbf{F}_{SN}	y Sec + 5			**********	
 	Indicate location of well place of use, if possible.	Each	7	•••• •••••••			
	small square represents 10	#41 00 .	************			***************************************	
	Show exact depth of bottom.					r's License N	
					Zili	of AC	9 fyle

7. AM.

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This form to be prepared by driller, and three sepies 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.

25/177

STATE OF MONTONA.
COUNTY OF SILVER BOW.

I hereby certify that the within instruction was filed at my day day.

The state of the s

Clin I

County Sulversons

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

DECLARATION OF VES (Under Chapter 2	STED GROUNDWATER RIGHTS 237, Montana Session Laws, 1961)
(Name of Appropriator) County of Silver Bow. State of Mont	(Address) (Town) cana, have appropriated groundwater according to
County of Silver Bow, State of Mont the Montana laws in effect prior to	ana, have appropriated groundwater according to
1/4 Sec 70 R 9-W	owner thereof OMLY FOR LANGE & GARAGES AND FARSE AND THE COMMITTEE
8. The depth of water table 9. So far as it may be available, the specifications of any other works:	type, size and depth of each well or the general for the withdrawal of groundwater
10. The estimated amount of groundwater	MALLON WATER SPOREGR PARK, BOTH WELLS HAVE
	in the drilling of each well if available
of this act, including reference to VPLIS ARE SITUATED OF LAND VE HAVE TWO LETTERS STATIS	renature as may be useful in carrying out the policy book and page of any county record FORMERIA OWNED BY THE DUPONT COMPANY. THAT RECORDS HAVE DESTROYED BY SAIL PROOF OWNER.
STATE OF MONTANA) ss COUNTY OF SILVER BOW)	
foregoing declaration of vested grounds subscribed thereto, as the appropriate	of the order and water right mentioned in the water rights and the personwhose name
Subscribed and sworn to before me, this	
Motary public for the State of Montar	Arr 26. 1964 364

hereby June 12 4

IDE CERTIFICION W

•	, M.	LANA DECSIPER SID
OFFICE OF	STATE	STATE ENGINEER
OF VESTEI	GROUN	MATER EXCHES
Chapter 237	,Monter	a Section in (01/61)
1.	_, of _	(Address (Town)
County of Silver Bow, State of Montant the Montana like in effect prior to J	a, have	approprieted groundwater according to 1, 1962, as iollows:
0110 10110 F2W. III 011000 Mr. 201 10 0	2.	The beneficial use or which the slein land based Liebling and him pool
N A	3.	Date or approximate date of esrliest beneficial use; and how continuous the use has been
<u> </u>	4.	The amount of groundwater claimed (in minerie inches for gallons per minute)
	5.	If used for irrigation, give the screege s and description of the lands to which water has been applied and name of the owner thereof
Indicate point of appropriation		
and place of use, if possible. Each smell square represents 10 acres.	6.	The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
7. The date of commencement and complet other works for withdrawal of ground	tion of	the construction of the well, wells, or
other works for withdrawar of 8	Y MET OCT	
- A the second of the second o	test	
- A the second of the second o	bert	and don'th of each well or the general
8. The depth of water table	type, s	ize and depth of each well or the general withdrawel of grounders.
8. The depth of water table 9. So far as it may be available, the specifications of any other works ?	type, s	vize and depth of each well or the general withdrawel of grounders
8. The depth of water table	type, s	vize and depth of each well or the general withdrawel of grounders
8. The depth of water table 9. So far as it may be available, the specifications of any other works in the setimated amount of groundwater 11. The log of formations encountered in the log of for	withdan the	rawn each year drilling of each well if available e as may be useful in carrying out the policy and page of any county record
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8. The depth of water table 9. So far as it may be available, the specifications of any other works of the specifications of any other works of the specifications of any other works of the specifications of any other works of the specification of a similar of this act, including reference to signature of the specification of the specifications of the specification of the spe	withdin the of of	withdrawel of groundest. withdrawel of groundest. cawn each year drilling of each well if available e as may be useful in carrying out the policy and page of any county record where Date having first been duly sworn, lawful age and of the order and water right mentioned in the
8. The depth of water table 9. So far as it may be available, the specifications of any other works 10. The estimated amount of groundwater 11. The log of formations encountered in the log of the sact, including reference to signature of this act, including reference to signature of the spropriator and say that he end claiment for each of yested ground declaration of yested ground.	withdn n the of of of water	withdrawel of groundest. withdrawel of groundest. cawn each year drilling of each well if available e as may be useful in carrying out the policy and page of any county record where Date having first been duly sworn, lawful age and of the order and water right mentioned in the

Subscribed and sworn to before me, this _______ day of __ Notary public for the State of Montana, resident

Motary public for the State of Montana, residing rt-

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STATE OF MONTANAMA

OUNTY OF SILVER NOW

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County	_							_	

	STATE OF	MONTANA
	administrator of G Office of St	1 1 1/2 (0)
	DECLARATION OF VESTED GR (Under Chapter 237,Mcm	tana Sassion Laus. 1961)
1.	John Frederick Miles, o	f Miles Crossing Mont
	(Name of Appropriator)	ave appropriated groundwater according to
	2	The beneficial use on which the claim is based Damas Fix + Live 3Teck
	<u>N</u> 3	. Date or approximate date of earliest bene-
		ficial use; and how continuous the use has been
-		1871 don Tinually used
	4 E	. The amount of groundwater claimed (in miner's inches or gallors per minute)
\coprod		20 gal per Minute
	5	 If used for irrigation, give the screege a and description of the lands to which water has been applied and name of the owner thereof
<u></u>	1/4 Sec I TIN R 1 YY	Eirtigate Lawn
and Bac	icate point of appropriation place of use, if possible. the small square represents 10	. The means of withirawing such water from the ground and the location of each well or other means of withdrawal
		Benning jet prmp
7.	The date of commencement and completion o other works for withdrawal of groundwater	
8.	The depth of water table from Sorti	
9.		size and depth of each well or the general withdrawal of groundwater
10.		rewn each year drawn 3 1
	The log of formations encountered in the	•
•	top soil win , grave) 4/1.	
12.	Such other information of a similar nature of this act, including reference to book	e as may be useful in carrying out the policy and page of any county record
	Signature of O	mer Sahn F. Miles
		Date December 26, 1962
STA	TE OF MONTANA) ss	• •
	John F. Miles	heving first been duly sworn,
the	osc and say s that he of he spproprietor end claiment of account declaration of wested groundwater r	f the order and weter right mentioned in the
sub	egoing declaration of vested groundwater rescribed thereto, as the appropriator and the	d claiment the person whose wars

Subscribed and sworn to before me, this 26th day of Derwiber , 19 62

Notary public for the State of Fontane, residing at Commission expires

34398/ 25 Are 10 12 Day & yelle

County Silver bow

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER



STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montane Session Laws, 1961)

1. Anton J. Skubi (name of appropriator)	t2	of Silver Bow	(Town)
County of Silver Bow, State of ing to the Montana Laws in eff	Monta ect pr	na, have appropriated gior to Jan. 1, 1962, as	groundwater accord- s follows:
	2.	The beneficial use on the based Spring for Li	
E	f	ate or approximate date icial use; and how cont	e of earliest bene- inuous the use has
	4. T	he amount of groundwate iner's inches or gallor	er claimed (in ns per minute)
w 1/4 Sec 4 T 3NR 9 W Indicate point of appropriation and place of use, if possible. Each small square represents 10	å	If used for irrigation, description of the lambda been applied & name	give the acreage nds to which water
acres.	t	The means of withdrawing the ground and the local ther means of withdraw	tion of each well or al
	_	Natural	Llow
9. So far as it may be available general specifications of an	of gr	type, size and depth of works for the withdraw	f each well or the
Figed out of	Spr	ing throws	e Tour
10. The estimated amount of ground 11. The log of formations encount	adwáte:	withdrawn each yearn the drilling of each	well if available
12. Such other information of a state policy of this act, included	similar ding r	nature as may be usefueference to book and p	ul in carrying out age of any Co.record
	4.1	or Owner hitery	Skulit;
	depos	eand say_tha	
lawful age and		the appropriator	and
<u>Claimant</u> of the order and ation of vested groundwater righthereto, as the appropriator are true.	nts and	ment that he	mesubscribed know the
Subscribed and sworn to before a Notary public for the St.of Month	tana, re	The second secon	.19
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Of the	TED GROUNDWATER RECHTS
	37, Montana Session Laws, 1961)
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(Name	_, of Doy 36 selver sont
	(Address Townton according to
the Montanta Bow, State of Monta	ans, have approprieted groundwater according to
in effect prior to	Jaluary 1, 1962, as inllows:
	2. The beneficial use or which the claim is
	be sed A
17	sugallon Will
	3. Date or approximate date of earliest beno-
	ficial use; and how continuous the use has
	been 10/ 3
	1000 = 1763
	4. The amount of groundwater claimed (in
	miner's inches or gallors per minute)
0	200 galosey minute
	5. If used for irritation, give the screege a
- - - 	and description of the lands to which
	water has been applied and name of the
	owner mereof
1/4 Sec 3/ 130 R9W	Araul Antes.
icate point of appropriation	po acres clay soil -
place of use, if possible.	6. The means of withdrawing such water from
r smell squale represents 10	the ground and the location of each well
90.	or/other means of withdrawal
	turbine electric Dung-
The date of commencement and comple	tion of the construction of the well, wells, or
other works, for withdrawal of group	dweter ,
Started & Linched	- NOU 1963
The depth of water table Zoo	17
The estimated amount of groundwater	withdrawn each year 34, 560, 500
The anathra and amount of Riontrian and	wrondrawn each year 27
The log of formations encountered i	n the drilling of each well if available
	nature as may be useful in carrying out the policy book and page of any county record
41	To the first
Signetur	e of Owner
	Data Necember 30-1963
TE OF MONTANA) ss	
MEY OF SILVER POW)	1. 12. 12.
1 Clink	having first been duly sworn,
ose 5 and say 5 that he 15	
appropriatorand claimant _	
egoing dealaration of wested gumman	crace to break outer into bearing and a minde minde
egoing declaration of vested groundw scribed thereto, as the appropriator	and claimant . that he know 5
scribed thereto, as the appropriator	and claiment , that he know 5 nd that the setters and things therein stated are
scribed therete, as the appropriator	
scribed thereto, as the appropriator contents of said foregoing notice a	
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scribed thereto, as the appropriator contents of said foregoing notice a	nd that the metters and things therein stated are
scribed therete, as the appropriator contents of said foregoing notice a	nd that the metters and things therein stated are

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JUNIT DE SILVIER BOW.

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T. 3N R SW

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOG

Owner Victor Chemical Works	Address Silver Bow, Montana
	Address Helena, Montana
Driller Walter Riddock & Sons	Address
Date Started January 7, 1974	Date Completed February 4, 195
Location: Sec. 23 T. 3N R 9W 14	sec. South East
Type of well Drilled Equipment used	Rotary (Churn drill, rotary, other)
Dug, driven, bored, or drilled:	(Churn aria, recary, outer)
Water use: Domestic Municipal Stock	Irrigation
Industrial X Drainage Other	
Casing: 0 ft to 225 ft Type Welded	Size 10*
Casing: ft. to ft. Type	Size
Casing: ft. to ft. Type	Size
Perforated on Servened: Ft 20. to ft. 222 Ft	to ft
Type of screen or perforations 4 ea. 1/4" slits per foot	
Static Water level, for non-flowing well:	feet.
Shut-in pressure, for flowing well: lb. sq. in on:	(date)
Pumping water level 55 feet at 350 - 400	gal per min
How tested: Layne-Minnesota deep well pump was ins	tulled.
Length of test. 8 hours .	
Remarks: (Oravel packing, cementing, packers, type of shut-off, depth	of shut-off)
· Committee of the comm	

(over)

Log of Well

Depth. feet From To		n of Material I			
	No written	log is av	mailable.	Refer to lo	og of #3 well
	which is a	bout 1060	feet sout	hwest of thi	ls well.
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	a event				and the same of th
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	County	Salver	Boor	

MONTANA BUREAU OF MINES AND GEOLOGY Butto, Montana

WATER WELL LOG

Traces Charter Hombs 841way Box Nonces
Owner Victor Chemical Works Address Silver Bow, Montan
Driller Walter Riddock & Sons Address Helena, Montana
Date Started January 7, 1954 Date Completed February 4, 2
Location: Sec. 23 T. 3N R SW 14 sec. South East
Type of well Drilled Equipment used Retery
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)
Water use: Domestic Municipal Stock Irrigation
Industrial I Drainage Other:
Casing: 0 ft. to 225 ft. Type Welfled size 10 ^E
Casing: ft. to ft. Type Sies
Casing:ft. toft. Type Size
Perforated en-descence: Pt. 20 to ft. 222 Pt. to ft.
Type of screen or perforations. 4 sa. 1/4" alits par fact
Static Water level, for non-flowing well: 90.
Shut-in pressure, for flowing well:
Pumping water level 55 feet at 350 = 400 gal. per min.
How tested: Layne-Minnesota deep well pump was installed:
Length of test
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(OVer)

Log of Well Depth, feet m To Description of Material Drilled No written leg is available. Refer to log of #3 well which is about 1060 feet scuthwest of this well.

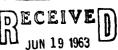
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STATE OF MONTANA



ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER DECLARATION OF VESTED GROUNDWATER RIGHTS CLARATION OF VESTED GROUDWALLS STATE ENGINEER (Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER deal Division Eilver Dow, (Town) (Address) (Name of Appropriator) County of Silver Bow, 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 3. Date or approximate date of earliest beneficial use; and how continuous the use has been February 1954, confid 4. The amount of groundwater claimed (in miner's inches or gallors per minute) E 5. If used for irrigation, give the acreage a and description of the lands to which water has been applied and name of the owner thereof Indicate point of appropriation and place of use, if possible. 6. The means of withdrawing such water from Each small square represents 10 the ground and the location of each well acres. 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 8. The depth of water table ______ So far as it may be available, the type, size and depth of each well or the general apacifications of any other works for the withdrawal of groundwater 11. The log of formations encountered in the drilling of each well if available 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record STANSFER CHEMICAL COMPANY Signature of Owner STATE OF MONTARA COUNTY OF SILVER BOW) peny heving first been duly sworn, miller E of the order and water right mentioned in the depose a and say that the appropriator and claiment foregoing declaration of vested groundwater rights and the person _uhose name_4_ subscribed thereto, as the appropriator end claiment, that he know the contents of said foregoing notice and that the matters and things therein stated ar true. STANFFER CHEMICAL COMPANY

Subscribed and suorn to before me, this 3rd day of

Notary public for the State of Fontana, residing at Table 11683 & Corette TIL

DECENT

T 3M R 9M County Silver Bow

STATE EHRING MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOG

Owner. V	ictor Chemical V	iorks	Address Silver Bow	, Montana
Sec. 23 Driller P	rice & Lindsey	,	Address Clancy, Mo	ntana
Date Starte	d January 1951	L	Date Completed. Janu	ary 1951
Location: 8	ec23 T 3M	R . Shi l. 14 sec	South Rest	
Type of well Drilled (Dug. driven, t	ored, or drilled)	ipment used	Rotary Churn drill, rotary, other	· · · · · · · · · · · · · · · · · · ·
Water use: Domestic	Municipal	Stock	Irrigation (コ
Industrial X	Drainage	Other:		
Casing:Oft. to2	226 ft. Туре	Welded	812e. 10 th .	*** .**
Casing: ft. to	ft. Type		8ise	
Casing: ft. to	ft. Type		. 8126	*** *** *** *
Perforated or-Seromod: Pt	. to ft. 1	, Pt	to ft	
Type of screen or perforations 4	ea. 1/4" slits	er foot	·	* * ****
Static Water level, for non-flowing w	ell: 33 t			feet.
Shut-in pressure, for flowing well:		lb aq in cr.	(dale)	
Pumping water level 47*	feet a:	50 0	gal, per min	
How tested:	•			
Length of test 7	•			
Remarks: (Gravel packing, cement	ing, packers, type 🥳 🕏	nur off, depth of	shut-off)	

		Log of Well
Dept From	h, fect	Description of Material Drilled
.0	5 0	Clay
50	. 55	Sandy clay - some shallow strata fine sand
55	60	Clay (very dense and slimy)
_ 60 _	7 0	Some very fine gravel - considerable fine sand and
		clay in shallow stratas
. 70		Silty clay
78	82	Alternate stratas of very fine sand and clay
87	9 5	S:lty clay
95	118	Alternate stratas of very fine sand and clay
118	123	Sandy clay
123	150	Shallow strates of sand and clay
150	155	Clay
155	170	Clay, some gravel embedded in the clay
170	185	Sandy clay, some very fine sand
185	198	Sandy clay
<u>19</u> 8	201	Coarse sand and some fine gravel
201	226	Coarse gravel and some fine gravel
50	. 55	Possible 30 - 40 g.p.m bailer test
<u>60</u>	70	Possible 20 - 30 g.p.m bailer test
78 95	87 1 18)	Possible 30 - 40 r.p.m bailer test
. 123	150)	Possible 50 - to g.p.m bailer test
155	170	Very little water - batler test
17 0		No water - builer test
201	ec6	500 g.p.m. after verforating
	and the contract of	
		. The second of

2/6020

No. 2 Well

Manager of the second of the s

0 ~			T(3	R. 94
Durb. Form			County	Silver Bow
(tra) July form	MONTANA BU	REAU OF MI	NES AND GEOL	OGY
(3	1	VATER WEI	L LOG	
	Owner Victor	Chemical W	orks Add	iresa Silver Bow, Montana
Sec. 23	Driller Price &	Lindsey	Add	iress Clancy, Montana
	Date StartedJa	nuary 1951	Dat	e Completed January 1951
	Location: Sec23	T3N	R911 1/4 sec	South Bast
R9W ype of wellDri	lled		pment used	Rotary (Chura drill, rotary, other)
Nater use: Domestic	Munic	L	Stock	Irrigation
Industrial				
	1 Drain	-		lse. 10 th
-				
				lee .
	n. to			to fi.
-				
hut-in pressure, for fl	owing well:		lb./sq. in. on:	(date)
omping water level	471	feet at	500	gal. per min.
low tested:				
ength of test		• •		
temarks: (Gravel pac	king, cementing, pack	ers, type of sh	ut-off, depth of sh	ut-off)
			a	Marie Carlos Carlos Companyo and Carlos Carl
ver en				• • • • • • • • • • • • • • • • • • • •
			,	e communication of the same of
1 4444 11 1		****	• • •	er in an annual and a second and a second
			* * *	
· 🕳		(over)		

Log of Well

			DAS 4
Der	oth, feet		Description of Material Drilled
am		ro	
0		50	Clay
50_		55	Sandy clay - some shallow strata fine sand
55		60	Clay (very dense and slimy)
	-	70	Some very fine gravel - considerable fine sand and
60	- 	79	clay in shallow stratas
	 ;	78	Silty clay
70		87	Alternate stratas of very fine sand and clay
<u>78</u>		95	0.24w 619V
<u>87</u>		118	Alternate strates of very fine sand and clay
118	1	123	Sandy clay
123		150	Shallow stratas of sand and clay
150	0	155	Clay
15	5	170	Clay, some gravel embedded in the clay
17	0	185	Sandy clay, some very fine sand
18	35	198	Sandy clay
19	98	201	Coarse sand and some fine gravel
20	01	226	Coarse gravel and some fine gravel
	50	55	Possible 30 - 40 g.p.m bailer test
	60	70_	Possible 20 - 30 g.p.m bailer test
	78 95	87 118)	Possible 30 - 40 g.p.m bailer test
	97 123	150)	Possible 50 - 60 g.P.m bull-
	155	170	Very little water - bailer test
	170	185	No water - bailer test
	201	226	500 g.p.m. after perforating

1 1245695 Hayant Pond

GW 4

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER



DECLARATION OF VESTED GROUNDWATER RIGHTS
SESSION LAVE, 1961) STATE ENGINEER

(Under Chapter		session Laws, 1961) SIAIL LINGTH	
MANUFACTURE (MANUFACTURE)		MARINE Maria Managara	
Victor Chandeal Division	, of .	(Town)	
(Name of Appropriator)	ntone hav	appropriated groundwater according to	
the Montana laws in effect prior	to January	1, 1962, as follows:	
one nonesta tens	_	The beneficial use on which the claim is	
	2.	hased	
		Industrial.	
N.	2	Date or approximate date of earliest bene-	
N .	٠,	ficial use; and how continuous the use has	
		been	
		September 1851, continues.	
	4.	The amount of groundwater claimed (in	
╼╄╼╂╼╊╼╂╼╂╼┦	• •	miner's inches or gallors per minute)	
		A10 0x1 A112	
	-	If used for irrigation, give the acreage a	
	5.	and description of the Large of white	
		water has been applied and nems of the	
╼╄╼╂╼╂╼╁╼┼╼┤		owner thereof	
1/4 Seq 20 1 R			,
dicate point of appropriation			•
rd place of use. if possible,	6.	The means of withdrawing such water from	
ch small square represents to		the ground and the location of each well	4
res.		or other means of withdrawal	
		MOSS-stage deep well trailed on	•
. The date of commencement and com	pletion of	the construction of the well, wells, or	
other works for Althorswer of Rr	roundwater		
me a see an ear table			
. The depth of water table	io_dust_tell	or the general	•
- 40.10		dre and denth of each well or the general	•
. So far as it may be available, t specifications of any other work		dre and denth of each well or the general	•
So far as it may be available, t specifications of any other work		dre and denth of each well or the general	•
. So far as it may be svailable, t specifications of any other work	the type, s as for the	ise and depth of each well or the general withdrawal of groundwater	•
. So far as it may be svailable, t specifications of any other work	the type, s as for the	ise and depth of each well or the general withdrawal of groundwater	• •
So far as it may be available, to appecifications of any other work appeciations. The estimated amount of grounder.	the type, so for the ster withdo	rise and depth of each well or the general withdrawal of groundwater	-
So far as it may be available, to appecifications of any other work that the standard that the standard that the standard amount of grounds.	the type, so for the ster withdo	rise and depth of each well or the general withdrawal of groundwater	
So far as it may be available, to appecifications of any other work that the stimuted amount of grounds.	the type, so for the ster withdo	rise and depth of each well or the general withdrawal of groundwater	
So far as it may be available, to appecifications of any other work appeciations. The estimated amount of grounder.	the type, so for the ster withdo	rise and depth of each well or the general withdrawal of groundwater	
So far as it may be available, to appecifications of any other work that the stimuted amount of groundum. The log of formations encountered and the stimuted amount of groundum and the stimuted amount of ground	the type, and a for the ater withdo	rawn each year	
So far as it may be available, to apecifications of any other works. The estimated amount of groundway. The log of formations encountered and the state of the	the type, and a for the ater withdo	rawn each year	
So far as it may be available, to apecifications of any other works. The estimated amount of groundway. The log of formations encountered and the state of the	the type, and a for the ater withdo	rawn each year	-
So far as it may be available, to appecifications of any other work that the stimuted amount of groundum. The log of formations encountered and the stimuted amount of groundum and the stimuted amount of ground	the type, and a for the ater withdo	rawn each year	-
So far as it may be available, to a pecifications of any other works. The estimated amount of grounder. The log of formations encountered and the state of this act, including references.	ater withdo	rawn each year	
So far as it may be available, to a specifications of any other works. The estimated amount of grounder. The log of formations encountered and the state of this act, including references.	the type, and a for the ater withdo	rawn each year	
So far as it may be available, to a pecifications of any other works. The estimated amount of grounder. The log of formations encountered and the state of this act, including references.	ater withdo	rawn each year	
So far as it may be available, to a pecifications of any other works. The estimated amount of grounder. The log of formations encountered and the state of this act, including references.	ater withdo	rawn each year	
So far as it may be available, to appecifications of any other work. The estimated amount of groundwe. The log of formations encountered and the state of this act, including reference states. Sign	ater withdred in the contract of O	rawn each year	
So far as it may be available, to a specifications of any other works. The estimated amount of grounder. The log of formations encountered and the state of this act, including reference state of this act, including reference state of the state of this act, including reference state of the	ater withdred in the color nature of O	rawn each year	-
So far as it may be available, to a specifications of any other works. The estimated amount of grounder. The log of formations encountered and the second state of this act, including reference state of MONTANA (STATE	ater withdred in the dilar nature of O	rawn each year	
So far as it may be available, to a specifications of any other works. The estimated amount of grounder. The log of formations encountered and the state of this act, including reference of this act, including reference of this act, including reference of the state of the stat	ater withdred in the color to book :	withdrawal of groundwater withdrawal of groundwater rawn each year	
So far as it may be available, to appecifications of any other work. The estimated amount of grounder. The log of formations encountered and the second se	ater withdred in the color nature of O	rawn each year	
So far as it may be available, to appecifications of any other work. The estimated amount of groundwe. The log of formations encountered and the second and second an	ater withdred in the contract of Chamica in the country of Country	state and depth of each well or the general withdrawal of groundwater rawn each year	-
Such other information of a sim of this act, including reference sign of the standard shows a sign of the set including reference sign of set including refere	ater withdred in the contract of Chamica in the country of Country	state and depth of each well or the general withdrawal of groundwater rawn each year	-
Such other information of a sim of this act, including reference sign of the strategy of the strategy of the section of this act, including reference sign of this act, including reference sign of this act, including reference sign of the section of this act, including reference sign of the section of the	ater withdred in the contract of Chamica in the country of Country	rawn each year	-
So far as it may be available, to specifications of any other work. The estimated amount of groundwell. The log of formations encountered the second	ater withdred in the contract of Chamica in the country of Country	state and depth of each well or the general withdrawal of groundwater rawn each year	-
Such other information of a sim of this act, including reference sign. State of Montana (County of Silver Bow) State of Montana (Sign and Sign an	ater withdred in the contract of Chamica in the country of Country	state and depth of each well or the general withdrawal of groundwater rawn each year	-
So far as it may be swallable, to specifications of any other work. The estimated amount of grounder. The log of formations encountered and this act, including reference of this act, including reference of this act, including reference of the same of the s	ater withdred in the control of the	state and depth of each well or the general withdrawal of groundwater rawn each year	-
So far as it may be available, to specifications of any other work. The estimated amount of grounder. The log of formations encountered and the second sec	the type, so for the set of the s	stage and depth of each well or the general withdrawal of groundwater Trawn each year	-
So far as it may be swallable, to appecifications of any other work. The estimated amount of grounder. The log of formations encountered and this act, including reference of this act, including reference of this act, including reference and say that he had been and say that he had been and say that he appropriator as the appropriator of the contents of said foregoing not true.	the type, so for the set of the s	stage and depth of each well or the general withdrawal of groundwater Trawn each year	-

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T. 3N R SM

STATE ENGINEE MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOG

	r Victor Chemic	al Works	Address Silv	er bow, l	ion tana
Owne	kaan arena erena aan aan aan aan aan aan aan aan aan				
Sec 23 Prille	r Price & Linds	ey	Address Clan	cy, Mont	ana
Date	Started		Date Completed	March	1951
	ion: Sec. 23 . T	3N R 9W 14	sec. South	East	
R9W			D - A		
	ed Iriven, bored, or drilled)	Equipment used.	(Churn drill)	rotary, other)	
Water use: Domestic	Municipal	Stock	Irr	igation	
Industrial X	Drainage [Other:			
Casing: 0 ft. to.	250 n. T	ype Welded	Size 10	•	
Casing:ft. to.	ft. T	уре	Size	and the second s	** ******
Casing:ft. to.	ft. T	ype	Size		
Perforated or Screened: Ft.	See log on to ft.	. Ft.	t	1 ft	
Type of screen or perforations			4 × ×		
Static Water level, for non-flo	wing weil: 52 to	H			feet.
Shut-in pressure, for flowing	weil:	lb. 'sq. in. on'	(da	ite;	
Pumping water level 7	l feet a	550	gal. pe	min.	
How tested. Pump					
Length of test					
Remarks: (Gravel packing,	cementir , packers, typ	e of shut-off, depth	of snut-off)		

	Log of Well	
th, feet	Description	
То	Description of Material Drilled	
5	Clay and some surface gravel	-
83	Silty clay	
90	Fine sand and some fine gravel, some water	
105	Very silty clay	-
108	Medium coarse sand, some water	
123	Silty clay	
128	Fine silty sand, some water, perforated	
132	Silty clay and some fine sand	
135	Fine silty sand, some water, perforated	
180	Silty clay	
227_	Sandy clay	
230	Coarse sand and some fine was led gravel, water, perfo	rat
232	Very fine sanj	
	Sandy clay	
242	Fine sand and some small gravel, water, perforated	
246	Hard sandy clay	
250	Medium coarse sand, water, perforated	-
	<u>R</u> n	
:	Nost Water below	
NA ER	Hass water being made from 227' strata down.	
72 8 5		
11 11 13	E	*** *
TE B		
NE E	<u> P</u>	
S =		
7.C##	≨ • • • • • • • • • • • • • • • •	
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11	e we were the second of the s	
ES E		
EW 5	The state of the s	
1 + A -		
	105 108 123 128 135 180 227 230 232 238 242 246 250	Description of Material Drilled 5 Clay and some surface gravel 83 Silty clay 90 Fine sand and some fine gravel, some water 105 Very silty clay 108 Medium coarse sand, some water 123 Silty clay 128 Fine silty sand, some water, perforated 132 Silty clay and some fine sand 135 Fine silty sand, some water, perforated 180 Silty clay 227 Sandy clay 230 Coarse sand and some fine was led gravel, water, perforated 232 Very fine sanj 238 Sandy clay 242 Fine sand and some small gravel, water, perforated 246 Hard sandy clay

No. 3 Well

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Dag. Kray

T	3N	R	94	
Cour	1ty 511	ver E	ow.	••••

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOG

Owner Victor Chemical Works Address Silver Bow, Montan
See 23 Priller Price & Lindsey Address Clancy, Montana
Date Started Date Completed March 1951
Row Location: Sec. 23 T. 3N R. 9W 1/4 sec. South East
Type of well Drilled Equipment used Rotary (Chura drill, rotary, other)
Water use: Domestic Municipal Stock Irrigation
Industrial X Drainage Other:
Casing: 0 ft. to 250 ft. Type Welded size 10 th
Casing:ft. toft. Type Sise
Casing: ft. Type Size
Perforated as Semented Pt. See log on to ft. Ft. to ft.
Type of acreen or perforations 4-1/4* slits per foot
· ·
Static Water level, for non-flowing well: 52 1 6th feet.
Shut-in pressure, for flowing well: lb./sq. in. on:
Shut-in pressure, for flowing well: lb./sq. in. on: (date)
Shut-in pressure, for flowing well:
Shut-in pressure, for flowing well: Description
Shut-in pressure, for flowing well: Pumping water level
Shut-in pressure, for flowing well: Description
Shut-in pressure, for flowing well: Pumping water level
Shut-in pressure, for flowing well: Pumping water level. Pump. Length of test. Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
Shut-in pressure, for flowing well: Pumping water level
Shut-in pressure, for flowing well: Discrete

Parameter Security

		Log of Well
Depth, feet		Description of Material Drilled
F'rom	To	Description of Material Drilled
0	55	Clay and some surface gravel
5	83	Silty clay
83	90	Fine sand and some fine gravel, some water
90	105	Very silty clay
105	108	Medium coarse sand, some water
108	123	Silty clay
123	128	Fine silty sand, some water, perforated
128	132	Silty clay and some fine sand
132	135	Fine silty sand, some water, perforated
135	180	Silty clay
180	227	Sandy clay
227	230	Coarse sand and some fine washed pravel, water, perforate
230	232	Very fine sand
232	238	Sandy clay
238	242	Fine sand and some small gravel, water, perforated
242	246	Hard sandy clay
246	250	Medium coarse sand, water, perforated

Most water being made from 227° strata down.

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STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

THE BE OUR DAGE	27.Montan	DWATER RIGHTS a Session Laws, 1961) STATE ENGINEER
Manifer Chandes L Conjunt	, of	Silver Bow, Mondana (Town)
(Name of Appropriator)		(Address) appropriated groundwater according to 1, 1962, as follows:
County of Silver Bow, State of Montana laws in effect prior to	tana, nave	1. 1962, as follows:
the Montana laws in effect prior	2.	The beneficial use on which the claim is
		besed
N	3.	Date or approximate date of earliest bene- ficial use; and how continuous the use has
		been Superber 1951, continues.
	4.	The amount of groundwater claimed (in miner's inches or gallors per minute)
E		ASS CALLAND
	5.	If used for irrigation, give the screage a and description of the lands to which water has been applied and name of the owner thereof
R		
dicate point of appropriation d place of use, if possible. ch small square represents 10	6.	The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
ores.		
e compant and com	nletion of	the construction of the wall, well, or
other works for withdrawal of gr	oundwater	
A CONTRACTOR OF THE PARTY OF TH		
		at a the general
. The deben or many	ha teme.	size and depth of each well or the gount
. So far as it may be available, t	o for the	size and depth of each well or the general withdrawal of groundwater
. So far as it may be available, t specific tions of any other work	IB TOT SHO	
. The estimated amount of grounder	ater withd	iraum each year
110 000		0 1 40 amilable
a a Li ana anaoimtar	ed in the	drilling of each well it aver-
. The log of formations encounter	ed in the	drilling of each well if available
. The log of formations encounter	ed in the	drilling of each well II ave
-See-abbanhad-abanha-	ed in the	
-Bed-ultrahad-abanta.	ed in the	he weeful in corrying out the policy
2. Such other information of a sim of this act, including reference	milar natu	ere as may be useful in carrying out the policy and page of any county record
2. Such other information of a sim of this act, including reference	ed in the	ere as may be useful in carrying out the policy and page of any county record
2. Such other information of a sim of this act, including reference	milar natu	over
2. Such other information of a sin of this act, including references	milar nature of	ore as may be useful in carrying out the policy and page of any county record Owner STAUFFE CHERICAL COMPANY Owner Page of a county record Owner Manage of a county record
2. Such other information of a sin of this act, including references and the state of MONTANA ss H. F.	ed in the	Owner By Date A Company County Report Company County Report Company County Report Company County Report County Report County Report County Cou
Such other information of a sin of this act, including reference significant states of MONTANA STATE OF MONTANA COUNTY OF SILVER BOW) Stants	ad in the	Owner STAUFFE CHEMICAL COMPANY Owner Stauffe CHEMICAL COMPANY Owner Stauffe CHEMICAL COMPANY Owner State
State OF MONTANA COUNTY OF SILVER BOW) State OF MONTANA State Of MONTANA State OF MONTANA COUNTY OF SILVER BOW)	and in the	Owner BY BY BY BY BY BY BY BY BY B
STATE OF MORTANA COUNTY OF SILVER BOW Starts of the appropriator and claim.	and in the	Owner STAUTTE CHETICAL COMPANY Owner By Date By Date Linear - Man. By Date Land Company Land
Such other information of a sin of this act, including reference states of the same state	and in the	Owner STAUTTE CHETICAL COMPANY Owner By Date By Date Linear - Man. By Date Land Company Land
STATE OF MONTANA STATE OF MONTANA COUNTY OF SILVER BOW) depose and say that no foregoing declaration of vested grabber the contents of said foregoing not	and in the	Owner STAUFFE CHENTEAL COMPANY Indicate Chenteal Chentea
State of Montana State of Silver Bow State of Montana Signature and say that and claim	and in the	Owner STAUFFE CHETCAL COMPANY Owner By Date By Date Lead Company L
STATE OF MONTANA STATE OF MONTANA COUNTY OF SILVER BOW) depose and say that he foregoing declaration of vested groups with a contents of said foregoing not	and in the	Owner STAUTTE CHETICAL COMPANY Owner By Date By Date Linear - Man. By Date Land Company Land
STATE OF MONTANA SS H. F. COUNTY OF SILVER BOW) depose and say that no claim foregoing declaration of vested grants subscribed thereto, as the appropriate the contents of said foregoing not true.	Jehnson for Chemical	Owner STAUFFER CHEMICAL COMPANY Owner By Date Division naving first been duly sworn, Lawful age 2 th rights and the person and claiment that the matters and things therein stated are STAUFFER CHEMICAL COMPANY STAUFFER CHEMICAL COMPANY STAUFFER CHEMICAL COMPANY Division STAUFFER CHEMICAL COMPANY
State of Montana signal depose and say that and clair foregoing declaration of vested granteened and signal foregoing northus.	Johnson, for Change of the or change of	Owner STAUFFE CHEMICAL COMPANY Owner By Davie Company Issue Company Of the order and water right mentioned in the rights and the person whose name that the matters and things therein stated ere STAUFFE CHEMICAL COMPANY Owner By Davie Company Of the order and water right mentioned in the rights and the person whose name that the matters and things therein stated ere STAUFFE CHEMICAL COMPANY And day of April 1966
STATE OF MONTANA SS H. F. COUNTY OF SILVER BOW) depose and say that no claim foregoing declaration of vested grants subscribed thereto, as the appropriate the contents of said foregoing not true.	Jehnson, for Change of the or change of	Owner STAUFFE CHENTICAL CONTAIN Owner State of the chemical contains By Date Marie Chemical Contains I by Date Marie Chemical Contains I by Date Marie Chemical Contains I be and claiment that he know that the matters and things therein stated ere STAUFFE CHEMICAL CONTAINS And day of April 1966

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Tie .	NO. T METT			
(a) 3 C C C C C C C C C C C C C C C C C C		County.	Silver Box	
2	BUREAU OF MINES	AND GEOLO	Cł	
STATE ENGINEER	WATER WELL L	OG		
Sec 23 Driller Price Date Started Location: Sec. Type of well Drilled (Dus. driven, bured Water use Domestic X Industrial X Casing: 1t. to 36 Casing: ft. to 42	23 T 3N R 2 Equipm Municipal Drainage Do. ft. Type ft. Type to ft 295	Addi Date 9W 1/4 sec. ent used Stock Other: Selded 8	Completed Augus Completed Augus South Rest Rotary Courn drill, rotary, other)	1954
Type of suremor perforations	1/4" slits per f	cat .	y an early and the second	feet.
Static Water level, for non-flowing wel	35 ft.		. •	
Shut-in pressure, for flowing well:	ıt	o, sq in, on.	(date)	
Pumping water level 40.5	5 feet at	350	gai per min.	
How tested: Pump				
Length of test		ها النسية يور ر	signt-off)	
Remarks. (Gravel packing, content	mg, packers, type of shi	ut-off, depth of		

IVE OF ALCR	LAF	of	Well
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		Log of Well
Depth.	, feet To	Description of Material Drilled
0	16	Top soil and sand
]t	46	Clay and some gravel
46 46	50	brown clay and some shallow stratas of sand, some water,
-		15 rerforations
50 50	. (0,	brown clay and some fine gravel, some water, 35 perforations
ŧQ	75	brown fine sandy clay
75	80	Brown coarse sandy clay
80 80	134	Light sandy silt with some clay and some sand
134	137	Fine silty sand COUNTY OF SILVER BOW, total
137	200	Clay containing fine silty sand was filed at my office on the A. D. 195
200	201	minutes care
204 	205	Running fine silty sand Attest ms hand: WILLIAM STREET SAND
205	22.2	Very tight fine silty sand To Say Milly Dec
262	225	Fairly clean fine said, some water, 35 perforations
125	1.55	Fine silty sand and some clay
255	250	medium coarse servi and some silt, some water, 40 perforations
4t .J	£ 5	Very line tight silty sand
265	277	Very fine tight silty sand with ribs of chert- fee rock
-75	293	Tight cheft with some sand
290	695	Tight plean chert, some water, 35 perforations
295	310	Tight clean onert
320	202	Statiow strates of c ert and term sticky clay, some water
333	363	Very tense ticky troud clay
3 c:1	400	witemate at also of were coft and firm chay
		and the second s

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هـ	.eee.	No. 4 W	•11 <u></u>	
20			T	3N R 94
J. P. J. J.			County	y Silver Bow
u (Ind)	MONTA	NA BUREAU OF Butte, Me	MINES AND GEOL	LOGY
•		WATER W	ELL LOG	
	Owner Vic	tor Chemical	Morks Ad	dress Silver Bow, Mon
Sec 23	DrillerPr1	ce & Lindsey	Ad	dressClancy, Montana
1	Date Started		Da	te Completed August 19.9
	Location: Sec	: 23 т	3N R 9W 1/2 sec	South East
Type of well	-		quipment used	
Water use: Domest:		Municipal	Stock	
Industria	ı I	Drainage	Other:	·····
Casing: Q	ft. to3	00ft. Type.	belded	Size 10 ^M
Casing:	ft. to	ft. Type		Size
Casing:	st. to	ft. Type.	[31se
Perforated or-Gereen	ed: Ft	to ft	295 Ft	to ft
Type of seresn-or peri	orations	1/4m slits pe	r foot	
Static Water level, for	non-flowing wel	a: 35 ft.		
Shut-in pressure, for	flowing well:.		lb./aq. in. on:	(date)
Pumping water level	40.5	feet at .	3 <i>5</i> 0	gai, per min
How tested:	Римр	······		
Length of test				
Remarks: (Gravel p	acking, cementir	ng, packers, type of	shut-off, depth of at	nut-off)
**				

(over)

Log of	W	eli
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Log of Well				
	th, feet	Description of Material Drilled		
From	To	Description of Masterial Dimet		
Q	16	Top soil and sand		
16	46	Clay and some gravel		
46	50	Brown clay and some shallow strates of sand, some water,		
		15 perforations		
50	60 .	Brown clay and some fine gravel, some water, 35 perforations		
60	75	Brown fine sandy clay		
75	: 80	Brown coarse sandy clay		
80	134	Light sandy silt with some clay and some sand		
134	137	Fine silty sand		
137	200	Clay containing fine silty sand		
200	204	Firm fine silty send		
204	205	Running fine silty sand		
205	222	Very tight fine silty sand		
222	225	Fairly clean fine sand, some water, 35 perforations		
225	255	Fine silty sand and some clay		
255	260	Medium coarse sand and some silt, some water, 40 perforation		
260	265	Very fine tight silty sand		
265	275	Very fine tight silty sand with ribs of chert-like rock		
275	290	Tight chert with some sand		
290	295	Tight clean chert, some water, 35 perforations		
295	310	Tight clean chert		
310	333	Shallow stratas of chert and dark sticky clay, some water		
333	360	Very dense sticky brown clay		
360	400	Alternate stratas of very soft and firm clay		

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1. 1245697 48 April, 453 Margaret Pond

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County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Silver Box DECEIVED

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 23)	7,Monta	na Session Laws, 1961) STATE ENGINEE
Standfor Chandeal Company 1. Vister Chandeal Division	of	Silver Per, Medica
(Name of Appropriator)	na, hav	(Address) (Town) re appropriated groundwater according to
	2.	The beneficial use on which the claim is based
N	3.	ficial use; and how continuous the use has been
		May 1933, goods need.
E	4.	The amount of groundwater claimed (in miner's inches or gallors per minute)
	5.	
Indicate point of appropriation		
and place of use, if possible. Each small square represents 10 acres.	6.	The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
So far as it may be available, the type appropriations of any other works for the specifications of any other works for the stimuted amount of groundwater to the stimuted amount of gr	r the v	
11. The log of formations encountered in	the dr	rilling of each well if available
12. Such other information of a similar of this act, including reference to see attached decis.	nature book az	as may be useful in carrying out the policy and page of any county record
Signature	of Own	STAUFFER CHENICAL COMPANY Victor Chemical Division
	. B	Date / Johnson Mgs.
STATE OF MONTANA) as H. F. Johnson COUNTY OF SILVER BOW) Stauffer Che	n. Men mical	Company having first been duly sunra.
the appropriator and claimant foregoing declaration of vested groundwa subscribed thereto, as the appropriator	of ter rig and	Company having first been duly sworn, ful age bnd Stauffer Chemical Company the order and water right mentioned in the the sand the person whose name 1s claimant that he knows the matters and things therein stated are STAUFFER CHEMICAL COMPANY Victor Chemical Division
		by y Johnson My
Subscribed and sworn to before me, this	3rd	day of, 19_6

of Creets the 4679 Notary public for the State of Montana, residing at Buster

r to the	the first in the second section of the second	1986 - La Maria Maria de La Carta de La Ca
No. 5 W	N.	`
	T	
	Cou	inty Silver Bow
		OLOGY
WATER WE	LL LOG	
ictor Chemical W	orks	Address. Silver, Bow., Montar
rice & Lindsey		Address Clancy, Montana
sed		Date Completed. August. 1954
s ec 23 т 39	R. 9W 14 s	ec. North East
d Eq	uipment used .	Rotary (Churn drill, rotary, other)
Municipal	Stock	Irrigation
Drainage	Other:	
· —	We lded	Size 10 ¹⁰
-		Size
1/	· = : : :	
*	lb. sq. in on'	(date)
feet at	350	gal, per min.
		, , ,
iting, packers, type of	shut-off, depth of	shut-off)

• .		
		•
	,	
	WATER WE Lator Chemical We rice & Lindsey ed	ANA BUREAU OF MINES AND GE Butte, Montana WATER WELL LOG Letor Chemical Works rice & Lindsey ed. Sec. 23. T. 39 R 9W 1/4 s d. Equipment used bored or drilled Municipal Stock Drainage Other:

Log of Well

		Log of Well
Dep From	th feet To	Description of Material Drilled
0	8	Top soil, sand, some clay
8	20	Sticky gray clay
5 0	35	Shallow strates of sticky and sandy brown clay
35	85	Sandy brown clay
85	100	Sticky clay
100	130	Alternate strates of sticky and sandy clay
130	150	Very sticky clay
150	160	Sandy clay
160	175	Alternate shallow stratas of sticky and sandy clay
175	180	Sticky clay
180	225	Sandy clay
225	230	Very sticky clay
230	241	Tight sandy clay
241	245	Very sticky fat clay
245	293	Alternate shallow stratas of firm sandy clay and sticky clay
293	30 2	Fine sandy silt
302	33 5	Sandy clay
335	345 8	vy Very sticky clay
Attest m	A Soft	Tight sandy clay
2	cerd	No definite water courses, the more sandy clay exposed
C SE	P R P	the more water was made.
$\mathcal{D}^{\mathbb{Z}}$	E B	
1 × 1	2	3 n
G.Z.	E TO	
3	54	A Company of the Comp
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No. 5 Well T 3N R 9 County Silver Bow MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana WATER WELL LOG Owner Victor Chemical Works Address Silver Bow, Montana Driller Price & Lindsey Address Clancy, Montana Date Started Date Completed August 1954 Location: Sec. 23 T 39 R 9W 4 sec. North East Rotary Drilled Equipment used..... Type of well...... Water use: Domestic Stock | Municipal Industrial X Other: Drainage Type Welded Size 10° n. to......303.....n. Type s. Size Type Size Casing: ____ft. to ____ft. Perforated on-Beresned: Ft. 80 to ft. 290 Ft. to ft. Type of screen or perforations. 4-1/4" slits per foot Static Water level, for non-flowing well: 16 Shut-in pressure, for flowing well; ______lb./sq. in. on:______lb./sq. in. (date) Pumping water level 62 feet at 350 gal. per min. How tested: Pump Length of test..... Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

Dept	h, feet	Description of Material Drilled
From	То	Negetibrish of medicing Numer
0	8	Top soil, sand, some clay
8	20	Sticky gray clay
20	35	Shallow strates of sticky and sandy brown clay
35	85	Sandy brown clay
85	100	Sticky clay
100	130	Alternate stratas of sticky and sandy clay
130	150	Very sticky clay
150	160	Sandy clay
160	175	Alternat: shallow stratas of sticky and sandy clay
175	180	Sticky clay
180	225	Sandy clay
225	230	Very sticky clay
230	241	Tight sandy clay
141	245	Very sticky fat clay
45	293	Alternate shallow stratas of firm sandy clay and sticky
293	302	Fine sandy silt
302	335	Sandy clay
335	345	Very sticky clay
345	350	Tight sandy clay
		No definite water courses, the more sandy clay exposed
		the more water was made.

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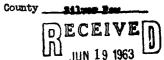
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5 Well	
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STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER



	DECLARATION OF VESTED	CD (VI	JUN 19 1963
,	(Under Chapter 237,)	Monta	ne Session Laws, 1961) STATE ENGINEER
1.	(Name of Appropriator)		(Address) (Town)
	County of Silver Bow, State of Montana the Montana laws in effect prior to Jan	, hav nuary	we appropriated groundwater according to 1, 1%2, as follows:
		2.	The beneficial use on which the claim is based
H	N	3.	Date or approximate date of earliest beneficial use; and how continuous the use has been
	E	4.	miner's inches or gallors per minute)
LL.		_	ASS CALLERY AND ADDRESS OF THE ASS ASS ASS ASS ASS ASS ASS ASS ASS AS
	1/4 Sec 3 T 3 R	5.	If used for irrigation, give the screage a and description of the lands to which water has been applied and name of the owner thereof
Ind	icate point of appropriation		
Ba c	place of use, if possible. h small square represents 10 es.	6.	The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
_			Mild-step due will builden ginn.
7.	other works for withdrawal of groundwa	ter	the construction of the well, wells, or
8.	The depth of water table	مارد	
9•	So far as it may be available, the typ specifications of any other works for	the v	ize and depth of each well or the general ithdrawal of groundwater
10.	The estimated amount of groundwater wi	thdr	wn each year
11.	The log of formations encountered in t	he di	rilling of each well if available
	_for obtains shorts		
12.	Such other information of a similar na of this act, including reference to bo	ture ok er	as may be useful in carrying out the policy ad page of any county record
			STATIFUE CHEMICAL COMPANY
	Signature o	f Own	ner <u>Vietor Chemical</u> Division
			Br-Dato V. J. Janeson - Plan.
- mary -	— .	. -	
	TE OF MONTANA) 85 H. F. Johnson,	Ng	
	premiler cycles		tim age and Stanffor Company
the	appropriator and claimant	_ of	the order and water right mentioned in the
for	egoing declaration of vested groundwate	r ri	ghts and the person whose name
sut the	scribed thereto, as the appropriator contents of said foregoing notice and	that	the matters and things therein stated are
tru			STAUFFER CHEMICAL COMPANY
			Vieter monitor Division
			By A. J. MANSON- LHOY

day of _

g & Coult III 46

Subscribed and sworn to before me, this ______ 3rd

Notary public for the State of Montana, residing at Matte,

No. 6 Well County Silver Bost MONTANA BUREAU OF MINES AND GEOLOGY Butte, Mentana WATER WELL LOG Owner Victor Chanical Works Address Silver Bow, Montana Driller Price & Lindsey Address Clancy, Montena Date Started Date Completed September 1954 Location: Sec. 23 T 3M R 9M % sec. South Mest Drilled Rotary
(Dat. often, bord, or critical) (Chara delli, referr Type of well..... Stock Water use: Domestic Municipal Designate Welded. Туре Perforated and Separated: Pt. 90 to ft. 200 Ft. Static Water level, for non-flowing well: 12.5 Pumping water level 20.5 feet at 390 gal. per min..... How tested: Pranp Remarks: (Gravel packing, comenting, packers, type of shut-off, depth of shut-off)

7.773 64 34

wi g

		Log of Well
Dept	th, feet	Description of Material Drilled
From	То	Description of master of men
0	2	Soil and sand
2	10	Clay, some sand
10	50	Very sandy clay, some silt
50	90	Sandy clay
90	120	Chert-like material with sand, some clay
120	130	Sandy clay
130	135	Very silty sand with some clay
135	165	Tight fine sand, very clean
165	180	Alternate stratas of tight and loose medium sand
180	185	Chert-like material, some sand
185	190	Brown clay with some chert, some sand
190	215	Alternate strates of firm and tight chert, some coarse
		sand
215	225	Brown sticky clay
225	230	Brown firm sandy clay
		Definite water course from 1851 - 2001, bailer test
		at 60 g.p.m. no drawdown.
		The second secon

1 245099

So Upril, " Leg.

Margaret Hond

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No.	6	We	1	1

т3N	R		
County S1	lver B	OW	

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOG

Owner	ictor Chemical	l Works	Address.	Silver Bow, Montan
Driller	rice & Lindse	<u> </u>	Address	Clancy, Montana
Date Starte	ed		. Date Comp	oleted September 195
Location: 8	lec. 23 T. 3	N R 9W 14	sec	outh West
Type of well Drilled (Dug. driven, i	oored, or drilled)	Equipment used	(Churn	CLATY drill, rotary, other)
Water use: Domestic	Municipal	Stock		Irrigation
Inclustrial X	Drainage	Other:	**********	
Casing: 0 ft. to	25 n. Type	Welded	Size	10°
Casing:ft to	ft. Type	<u> </u>	Size	
Casing: ft. to	ft. Type	·	Size	
Perforated or Surcenced: Ft90 Type of screen or perforations				
Static Water level, for non-flowing w				
Snut-in pressure, for flowing well:		lb. 'sq. in. on:		(date)
Pumping water level 20.5	feet at	3 50	gal	per min
How tested: Pump	•			
Length of test				
Remarks: (Gravel packing, cemen	ting, packers, type o	f shut-off, depth	of shut-off)	• *
		- *** * * * * * * * * * * * * * * * * *		P

		Log of Well
Dep From	th, feet To	Description of Material Drilled
Q	2	Soil and sand
2	10	Clay, some sand
		Management and the first the first terms of the fir
10 .	<u>50</u>	Very sandy clay, some silt
_50	90	Sandy clay
90	120	Chert-like material with sand, some clay
120	130	Sandy clay
130	135	Very silty sand with some clay
135	165	Tight fine sand, very clean
165	180	Alternate strates of tight and loose medium sand
180	185	Chert-like material, some sand
185	190	Brown clay with some chert, some sand
190	215	Alternate stratas of firm and tight chert, some coarse
		sand
215	225	Brown sticky clay
225	230	Brown firm sandy clay
County Clients and the orest of	Attest my hand WILLIAM T DUCKHAM	Definite water course from 185' - 200', bailer test 60 g.p.m. no drawdown.
*	-	

_ 2

GW 4-		T13R
ADMINISTRATOR OFFICE (DECLARATION OF VESTE (Under Chapter 23' Stanffer Chapter) Note: Stanffer Chapter (Name of Appropriator)	ED GROU 7, Monta , of ne, hav	UNDWATER CODE E ENGINEER NOWATER RIGHTS THE Session Laws, 1961 ATE ENGINEER (Address) (Address) Town) The appropriated groundwater according to
the Montana laws Jo Silect prior to a	2.	
N	3.	Date or approximate date of earliest beneficial use; and how continuous the use has been
	4.	The amount of groundwater cleimed (in miner's inches or gallors per minute)
┪╼┩╾┢╼╬═┩ ╌┩╌		A50 Ge3 /Ma
	5.	If used for irrigation, give the acreage a end description of the lands to which water has been applied and name of the owner thereof
1/4 my Sec m T m R		
ndicate point of appropriation nd place of use, if possible.		
ach small square represents 10 ores.	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 complet other works for withdrawal of ground	ion of water	the construction of the well, wells, or
The depth of water table 20 feet bel		<u> </u>
· · · · · · · · · · · · · · · · · · ·	voe. si	ze and depth of each well or the general
The estimated amount of groundwater	withdra	wn each year
L. The log of formations encountered in	the dr	illing of each well if available
One official about		-

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

Signature of Owner STAUFFER CHUNTCAL COMPANY

Victor Company

Pate

Date

STATE OF MONTANA) as H. F. Jehnsen, Mgr., COUNTY OF SILVER BOW) Stauffer Chemical Company having first been duly sworn,	
depose and say that he of lawful age and the sappropriator and claimant of the order and week right menulome and foregoing declaration of vested groundwater rights and the person whose name	
subscribed thereto, as the appropriator and claiman; , that he the contents of said foregoing notice and that the matters and things therein stated are	-
Stauffer Chemical Company	

Subscribed and sworn to before me, this _______ day of _______, 19_63

Notary public for the State of Montana, residing at Matte, Mattheway 1/11/65

<u> </u>		·
w 3	Approved Sto	ock Form-State Publishing Co., Heiena, Montans-42345
ile No		т.3N <u>в</u> 9 W
	OCT 2.1 1971	County Silver Bors
UPLICATE		County Allet Land

STATE OF MONTANA ADMINISTRATOR OF CROUNDWATER CODE OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

·	
oc. No. 306/75 led for record Ostrobus D. 19 7/, at 3 18 cleck P.M.	Date of Appropriation of Groundwater Sept. 4, 1964 Owner Town Hellham Address Fan Hatel Contractor (if any) Mone Address of Contractor Mone Date Started Mone Date Completed Mone
N	1) Describe means of obtaining groundwater (as by sub-irrigation,
8	developed spring, drains, etc.) Developed spring
	2) Means of withdrawing water (gravity, pump, canal, etc.) Attention flow 3) Depth of water table facts feet
NE 1/4 ME Secott TEN R 9W Indicate point of appropriation and place of use, if possible.	5) Amount of groundwater claimed (in miner's inches, or gallons per minute) [O.M. M.C. M.C. M.C. M.C. M.C. M.C. M.C.
	6) If used for irrigation, give number of acres and description of land
	7) Estimate amount of water used each year. Accuste estimate uncertain functing on wester Signature of Owner Tom Helehan Date Oct. 5, 1971

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.

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Hele Hypert

1

The spring is located on the Lavin Places, Survey Mo. 4810, Section 24, T3N, R9 NV, M. P.M. Silver Bow County, Montava The place of use is adjacent to the spring. If you desire further information please advise. DEC 2 1971 Nom Hele han Fox Hotel Butte If used for irrigation, give number or acres and description Accuste estimate uncettain byerling on westers

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

STATE OF MONTANA
STATE OF MONTANA

STATE OF MONTANA

OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

(Under Chapter 237 Montana Session
Date of Appropriation of Groundwater Sept. 4, 1964 Owner. 6M. Hell han Address for Note Contractor (if any). Mons Address of Contractor Mons O'clock F.M. Date Started Mons Date Completed Mons 1) Describe means of obtaining groundwater (as by sub-irrigation,
developed spring, trains, etc.) Developed Manuary Means of withdrawing water (gravity, pump, canal, etc.) Means of withdrawing water (gravity, pump, canal, etc.) Matural flow 1) Use of the water place from feet 1) Use of the water place from the miner's inches, or gallons and place of use, if possible. 5) Amount of groundwater claimed (in miner's inches, or gallons per minute) [O Market Market] 6) If used for irrigation, give number of acres and description of land Market
7) Estimate amount of water used each year. Accustle estimate uncertain dissolution on weather Signature of Owner. Town Helekan. Date Oct. 5, 1971
This form to be prepared by contractor (if any), otherwise by the owner.

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n weather

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.

...

or	Approved Stock Form-State Publishing Co., Helena, Montana-39089	ĺ
File No	т. 34 в.	
DUPLICATE	County Silver Bow	
	STATE OF MONTANA	
	ADMINISTRATOR OF GROUNDWATER GODE	
	OFFICE OF STATE ENGINEER	

		_		OE OF STAT			DECEIVE
	1				Groundwa	_	DEC 17 1963
		(1	Jnder Chapte	er 237, Montar	a Session Laws	, 1961)	STAIL ENGINE
. Horthe	um Poel	fle Rai	lwey fo.		f M.J. Day	et	Allow Box
	(Name	of Appro	oriator)		(Address) T ana	(Town)
County of.	priated (roundwa	ter according	Sta	ana laws in effe	ect prior to J	anuary 1, 1962, as follows
	N						
	×		2.				based
				ELE)	#2 PROCES		**
			3.				neficial use; and how cor
			╗.				
				***************************************			***************************************
			4.		-	•	miner's inches or gallon
				per minute).	yaz mimita.		
			5.	If used for it	rrigation, give t	he acresoe a	nd description of the land
				to which wa	ter has been a	pplied and n	ame of the owner thereo
1/4 Sec	24 m.1	H RW		***************************************		**********************	
ndicate point						······································	
nd place of	use. if	possible.					
lack small sor		noonta 10	6.	The means	of withdrawing	such water	from the ground and th
ach small squ	ære repr	esenta 10	6.	location of e	ach well or oth	er means of	from the ground and the withdrawal
ach small squ	Ere repr	esenta 10	6.	location of e	ach well or oth	er means of	withdrawal
ach small squ	ære repr	esenta 10	6.	location of e	ach well or oth	er means of	withdrawal
ach small squeres.	iere repr	esenta 10	and completi	location of e	ach well or oth	er means of well, wells,	or other works for with
ach small squ cres.	iere repr	esenta 10	and completi	location of e	ach well or oth	er means of well, wells,	withdrawal
ach small squeres. 7. The date of drawal of drawal of	iere repr	ncement	and completic	location of e	struction of the	er means of	or other works for with
ach small squeres. 7. The date of drawal of the state of the depth	of water	acement atternation	empletic	on of the cons	each well or oth	er means of	or other works for with
7. The date of drawal of tracted at the depth 9. So far as it works for	of water	recement atter	14 feet	on of the constant of the cons	ach well or oth	er means of well, wells,	or other works for with
ach small squeres. 7. The date of drawal of startes a. 8. The depth 9. So far as in works for	of commerciate may be the wither	table	14 fact e, the type, groundwater	on of the cons	ach well or oth	er means of well, wells,	or other works for with
7. The date of drawal of the depth of the de	of commerciate may be the wither	table	14 fact e, the type, groundwater	on of the cons	ach well or oth	er means of well, wells,	or other works for with
7. The date of drawel of d	of water	table	And completic	on of the constant of the cons	struction of the	er means of well, wells,	or other works for with
7. The date of drawal of trackers. 8. The depth 9. So far as in works for track of	of water	table	1A fact e, the type, groundwater	on of the cons	active well or other struction of the	er means of well, wells,	or other works for with
7. The date of drawel of d	of water it may be the without	table available traval of grunt of gr	1A fact e, the type, groundwater woundwater w	on of the constitute and depth	struction of the	well, wells, the general	or other works for with
7. The date of drawel of d	of water it may be the without	table available traval of grunt of gr	1A fact e, the type, groundwater woundwater w	on of the constitute and depth	struction of the	well, wells, the general	or other works for with
7. The date of drawal of section 1. The log of the log	of water it may be the without ted amount formation	table available	th fact. c, the type, groundwater we ntered in the	on of the constant of the cons	struction of the	well, wells, the general	or other works for with
7. The date of drawal of d	of water it may be the with the with the with the damon't formation.	table	14 fact e, the type, groundwater we ntered in the	on of the constant of the cons	ach well or other struction of the struc	er means of Well, wells, the general	or other works for with specifications of any other
7. The date of drawal of the depth of the de	of commerciate of water it may be the without the without the without formation information information.	table available traval of gruns encou	14 fact e, the type, groundwater we need in the similar nature	on of the constitution of	struction of the	well, wells, the general	or other works for with specifications of any other specif
7. The date of drawal of the state of the st	of water it may be the with ted amout formation information book ar	table available	the type, groundwater we ntered in the similar natural any county	ithdrawn each drilling of eas may be record.	struction of the	well, wells, the general	or other works for with specifications of any other specifications of any other specifications of the specific
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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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MONT 65 10 Hpr.13-56 SILVER BOW, MONT. Depot Well AFE 565-55 N PRY ROCKY MIN.Dr. 6"Well, ST'deep Dulled by E. A. Bodin N. P. Ry Casing I' Above Many Level Work begun 8-16-55, Completed 9-7-55 Water Analysis 8-26-55 Calcium bicarbonale 4.9 GPG Magnesium " Expressed as Sulfate Cacos 14' Static Water Level Chloride Sodium Carbonate 0.3 " bicarbonete chie-ié e 2.3 .. Silica DO P.P.M. IYOR ρĦ 10.3 GRE(Retual) Total dissolved solids Sample From Bailer 30' Draw down Level 4+ 12 6PM -8/31/55 Note: See File 19284 for drilling and Took data Office of Engineer of Water Service St Paul 58' Drive Shoe 59' Bottom of Well ertical Scale 1' = 10' Location Plan
Scale 1" : 100"

Bureau 33

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