Form No. 18 8-60

T. 16 R. 25	
County Petraleum	
DECEIVED	
IONTANA BUREAU OF MINES AND GEOLOGY APR 24 1961	

WATER WELL LOG	STATE ENGINEER
OwnerO	Address Lowintown, white Man Date Completed Dril 19, 1951 25 1/4 sec. 1888 4 Sed Japlo Tool (Chum, drill, rotary, other)
Casing: 2 ft. to 180 ft. Type 3 & 3 Casing: 170 ft. to 435 ft. Type 3 & 3 Casing: ft. to ft. Type	Size Size
Perforated o Screened: Ft. 275 to ft. 310 . Type of screen or perforations slots	
Static Water level, for non-flowing well:	/sq. in. on: April 18, 1961
Pumping water levelfeet at How tested: Length of test	gal. per min
Remarks: (Gravel packing, cementing, packers, type shut-off)	·
TANDON MENT DUNCK DUNCKE TAND	CALL COLLEGE SPEEK PRESSE
(over)	

From	To	Description of Material Drilled
0	<u> </u>	Toca o11
5	15	Greyal
15		doft dien clay
20	30	ture light grey rock
<u> 30</u>	<i>6</i> 0	white rock water First out brook sand
60	110	Link grey streititied rock one anale
110	113	Light purple shale Top of Not Bett
133	3.3.6	somite hard rock
116	130	.hite sysle
130	133	Make the took
133	140	నుంకోంద్ర జాటనే లోగుడ ిల
140	155	Chite oley soft
155	170	Hed shale
170	230	Sed rock and solle
230	272	Hock and sendetone
272	273	ead rook
273	299	ಸಾಮರ್ಥ ಅಥವಾನಿಕಾರಿನಂದರು "ಸಹಾರಣ್ಣ
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315	35,44	1.1 6 Yeve Mode old saske
أنحدث	330	Lik of no rower
2.39	204	.taite svok vardy
5.22 ○ 31.	100 101	្សានក្រុស និងស្រាស់ និងស្វាស់ សិម្មា ប្រសិង ប្រធិស្សា ប៉ុន្មែម ប្រធិស្សា សិទ្ធិសុទ្ធ
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016	25.55	295	क्ष	272	230	170	155	1ú0	133	CCT	3.3.5	113	110	Š
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STATE OF MONTANA,
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3:50 o'clock TM.
Delma R Marten
County Recorder.
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G.	Helena	Independent	Record

File No.....

DUPLICATE



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County Petro	Leum	

STATE OF MONTHRANEER
ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)



STATE ENGINEER

of Box I23 Lewisto n 1 Edward J. Skibby (Name of Appropriator) (Address) (Tewn) County of Fergus State of Montana. have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as fol-2. The beneficial use on which the claim is based Livestock water 3. Date or approximate date of earliest beneficial use; and how continuous the use has been Earliest use, April 19,1961, this well has been in Continuous use since that date. w 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 25 gals. per. minute. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner SEL SEL Sec II T R 25 Indicate point of appropriation and place of use, if possible. 6. The means of withdrawing such water from the ground and the Each small square represents 10 location of each well or other means of withdrawal This well is flowing thru a casing 42 " dia. et a rate of 25 gals. per. Min. pressure 251bs. acres. per.squ. inch.

The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater well commenced about April Ist. completed April19th 1961 The depth of water table 350 feet. 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 depth of well 435 feet, floring thru 422 casing from 3rd Cat Creek sand. 10. The estimated amount of groundwater withdrawn each year .5,256,000...gal The log of formations encountered in the drilling of each well-if available ... 0. to 20' to 110' rock hard and soft . 110' to red beds, red 230' to 310' some sandstone and some water at 300'. 310' 315' to 435', red and white rock, hard sillicate at 40' blue grey sandstone, Cater at 415 ft. and gravel <u>sha</u>le. fine stock water.

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 School of Mines and Quadruplicate for the Appropriator.

1334.

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County of Petroleum. Sa.

Tited FEB 9 1962 19

at 9:00 o'clock A

Volma R. Merien County Recorder.

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	MONTAN		utte, Montan		EULUG	Y	,
***		WAT	ER WELL	LOG	ST.	hillia.	LEUR
	OwnerDon	Deyoe Dayoe			Address	Teigen,	ntana
	-[Vinnettk	
•						mpleted Octo	
Type of well	11ed (Dug, driven, bores	d, or drilled)	Equipn	nent used	Ro.tary	Rigg irn drill, rotary, ot	her)
Water use: Domestic	c x	Municipal		Stock	×	Irrigation	
Industria	1 🔲	Drainage		Other:			
Casing:1	ft. to3081	ft.	ТуреЯ.		sinSize	41" Shoe o	n bottom
Casing:	ft. to	ft.	Туре		Size		
Casing:	ft. to	ft.	Туре	***************************************	Size	7	
Perforated or Screen							*
Type of screen or perf							
Static Water level, for			gall	on per mi	nute		
Shut-in pressure, for 1						(date)	
Pumping water level		feet	at		.	al, per min	
How tested: Dr	ill stem test	1060-1103		***************************************			••••••
Length of test		······································					k
Remarks: (Gravel pa	acking, cementing	g, packers, t	ype of shut	off, depth	of shut-of	ff) ········	
well cappe	d with manuel	shut off		**********	***************	***************************************	
		······································					
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© 			(over)				

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Vons , siels , sandy	995	030
gray annd, streams white shele	09.6	456
Bort gray, red shale	106	CV6
grey sand, pepper and selt	01/6	886
annd with otreaks gray shale	8 26	786
	οT	Trom
Description of Material Drilled	feet	Depth,
	1	

Log of Well

		Log of Well
Depth, i		Description of Material Drilled
From	To	
1	12	surface clay
12-	15	gravel
15	20	gravel and streeks of clay or shale
20	27	hard black shale
27	60	hard whale with streaks sand(water)
60	75	soft gray and black shale
75	111	soft black shale
111	173	soft Black shale with streaks bentonite
173	267	soft black shale, streaks bentonite and streaks hard gray shale
267	409	soft black shale, stroaks bentonite and streaks sand
409	440	noft black shale
440	446	noft black shale streaks bentonite
446	449	sand (gray, soft)
449	465	derk gray sand with thin streaks block and gray shale
465	485	soft black shale streaks sand and streaks bentonite
485	540	soft black and gray shales streaks bentonite
540	547	soft black shale streaks dark sand
547	565	Bort black shale
565	585	soft black and gray shales with streaks sand and thin streak lime
585	622	soft black and gray shules, streeks sand and streaks hard gray sh
622	625	soft gray sand
625	648	soft black sandy shale with streaks bentonite
648	662	soft black chale
662	663	hard brown shale
683	683	medium hard gray sand with stronks gray shale
683	685	noft black shale
685	686	hard brown shale
586	715	soft blac shele, streaks sand and grey shale
715	- 74 7 760	soft green and black shale
760	787	coff green, gray, black shales(Clayer)
787	809	soft red, gray, black shales
809	0.030	hard gray shale
810 93		soft black, red, gray shale(clayey)
830	847	soft red shale, streaks white and balck shales
847	858	hard black and gray shals
858	860	nard gray shale and iron pyrites
860	862	white to gray shale
862	865	soft gray sand
863	866	Boft red shale
869	869 878	gray sandy shale
		1
878	880	soft red shale(clayey)
880	885	brown to yellow shale
895	896-	white shele, sandy
896	903	hard gray shale, thin streaks lime
903	908	soft, red, gray green, purple, white shales
908	913	soft light red shale, sandy, muddy
913 920	920	white sand (medium hard)
920	921	soft gray and white shales

soft black shale	ttt	94
solt Era and black shale works send (water)	09 81	09 48
herd black shale grade of clay or shale	20 7.0	50 72
Surface oldy	72 IS	75-
Description of Material Drilled	οŢ	From
	teet,	Дерер

Depth, feet Description of Material Drilled Depth, feet To Description of Material Drilled 921 932 and with otrenks gray shale 922 940 Gray sand, pepper and salt 940 947 soft gray, red shale 950 955 Sray Sang, streaks withe shale 955 956 soft red shale, sandy 955 956 soft white shales, sandy 956 957 streat shale, sandy 969 970 soft red shale 976 976 1hes Shellthand 976 976 1hes Shellthand 977 976 soft red shale 978 998 997 red shale 978 998 gray Sand 998 997 red shale 977 1022 red shale, streaks hard sand and hard line 1030 1052 red shale, streaks hard sand shard line 1052 1052 red shale, streaks hard gray sand. 1054 1055 shite white und streaks hard gray sand. 1056 1056 hite white und streaks hard gray sand. 1056 1056 hite white und streaks hard gray sand. 1056 1056 hite white und streaks hard gray sand. 1057 1058 1059 sand, pepper and shales, streaks hard line 1058 1059 sand pepper and shales, treaks hard line 1050 1050 soft gray sand, pepper and shales, streaks hard line 1051 1050 soft gray sand, pepper and shales, streaks hard line 1051 1050 soft gray sand, pepper and shales, streaks hard line 1051 1050 soft gray sand, pepper and shales, streaks hard line 1052 1054 shales and shales, streaks hard line 1055 1056 hite white und streaks hard line 1057 1058 1059 shales and shales, streaks hard line 1058 1059 soft gray sand, pepper and shales, streaks hard line 1059 1050 soft gray sand, pepper and shales, streaks hard line 1051 1050 soft gray sand, pepper and shales, streaks hard line 1058 1050 soft gray sand, pepper and shales, streaks of line, sandy 1051 steen test 449 to 485. Tester open line hours. Dry 11 steen test 449 1050 shall lines and shales, streaks shales 11 steen test 449 1050 shall lines and shales, streaks shales, streaks of lines, sandy 11 steen test 449 1050 shall lines 12 steen test shales, streaks shales, streaks shales, streaks shales, streaks of lines, sandy 12 steen test shales, streaks shales, streaks shales, streaks shales, streaks shales, streaks				Depth, feet
Depth, feet From To Description of Material Drilled 921 932 sund with otreaks gray shale 922 940 grey sand, papper and salt 940 947 soft gray, red shale 947 950 gray sand, papper and salt 950 955 soft red shale, sandy 955 966 soft white shale, sandy 955 966 soft white shale (sinyey) 970 975 red shale 977 976 976 lime shall(hard) 976 978 soft red shale 978 997 soft red shale 979 1024 red shale, streaks hard sand and lime streaks 978 997 soft red shale 979 1024 red shale, streaks hard sand and lime streaks 978 1032 red shale, streaks hard sand and lime streaks 978 1052 red shale, streaks hard gray sand. 1052 1052 red shale sandy 1054 1056 hith white whale, streaks hard gray sand. 1056 1056 hard red, gray, green shales, streaks hard lime 1056 1056 hard red, gray, green shales, streaks hard lime 1057 1058 1059 hard red, gray, green shales, streaks hard lime 1058 1059 hottom. Pan drill stem test streaks at 449 to 485. Tester open li hours. Ury 1051 1056 sites tost 914-900, Open 4 hours, Flow 1/5 gallon per minute Prill stem test 377-997. 253 feet water, open li hours 1051 1050 sites tost 914-900, Open 4 hours, Flow 1/5 gallon per minute Prill stem test 3000-1105. Wall flowed 35 gallon per minute. Set 1061 feet 4; 0.0 Gesting, Show on Bottom. Prove casing into 4 3/4" home from 1050-1066. Well flowing 80 gallon per minute. 80% closed in pressure completed lice er 25, 1927			Log of Well	
Depth, feet From To Description of Material Drilled 921 932 sund with otreaks gray shale 922 940 grey sand, papper and salt 940 947 soft gray, red shale 947 950 gray sand, papper and salt 950 955 soft red shale, sandy 955 966 soft white shale, sandy 955 966 soft white shale (sinyey) 970 975 red shale 977 976 976 lime shall(hard) 976 978 soft red shale 978 997 soft red shale 979 1024 red shale, streaks hard sand and lime streaks 978 997 soft red shale 979 1024 red shale, streaks hard sand and lime streaks 978 1032 red shale, streaks hard sand and lime streaks 978 1052 red shale, streaks hard gray sand. 1052 1052 red shale sandy 1054 1056 hith white whale, streaks hard gray sand. 1056 1056 hard red, gray, green shales, streaks hard lime 1056 1056 hard red, gray, green shales, streaks hard lime 1057 1058 1059 hard red, gray, green shales, streaks hard lime 1058 1059 hottom. Pan drill stem test streaks at 449 to 485. Tester open li hours. Ury 1051 1056 sites tost 914-900, Open 4 hours, Flow 1/5 gallon per minute Prill stem test 377-997. 253 feet water, open li hours 1051 1050 sites tost 914-900, Open 4 hours, Flow 1/5 gallon per minute Prill stem test 3000-1105. Wall flowed 35 gallon per minute. Set 1061 feet 4; 0.0 Gesting, Show on Bottom. Prove casing into 4 3/4" home from 1050-1066. Well flowing 80 gallon per minute. 80% closed in pressure completed lice er 25, 1927	-			· Commence of the commence of
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922 940 gray sand, paper and salt 940 947 950 gray sand, paper and salt 951 955 soft gray sand, streams white shale 955 956 soft white shale, sandy 955 956 soft white shale, sandy 956 959 line shall (hard) 950 975 red shale 9576 976 line shall(hard) 978 978 soft rod shale 978 998 gray sand 988 997 red shale 989 997 red shale 1024 1030 red shale, streams hard sand and line streams 1024 1030 red shale, streams hard sand and hard lime 1030 1032 red shale, streams hard gray sand. 1051 1052 hard red, gray, green shales, streams hard lime 1052 loss hard red, gray, green shales, streams hard lime 1055 loss for gray sand, paper and salt, fine to coarse grain sand 1056 bottom. ran drill stem test at 449 to 485. Tester open 1½ hours. Dry 10711 stem test, 562-760, 180 feet water and mud. Open 3 hours 10711 stem test 977-997. 255 feet water. open 1½ hours. 10711 stem test 977-997. 255 feet water. open 1½ hours. 10711 stem test 978-997. 255 feet water. open 1½ hours. 10711 stem test 978-997. 255 feet water. open 1½ hours 10711 stem test 978-997. 255 feet water. open 1½ hours 10711 stem test 978-997. 255 feet water. open 1½ hours 10711 stem test 978-997. 255 feet water. open 1½ hours 10711 stem test 978-997. 255 feet water. open 1½ hours 10711 stem test 978-997. 255 feet water. open 1½ hours 10711 stem test 978-997. 255 feet water. open 1½ hours 10711 stem test 978-997. 255 feet water. open 1½ hours 10712 stem test 978-997. 255 feet water. open 1½ hours 10713 stem test 978-997. 255 feet water. open 1½ nours 10713 stem test 978-997. 255 feet water. open 1½ nours 10713 stem test 978-997. 255 feet water. open 1½ hours 10713 stem test 978-997. 255 feet water. open 1½ nours 10713 stem test 978-997. 255 feet water. open 1½ nours 10713 stem test 978-997. 255 feet water. open 1½ nours 10713 stem test 978-997. 255 feet water. open 1½ nours 10713 stem test 978-997. 255 feet water. open 1½ nours 10713 stem test 978-997. 255 feet water. open 1½ nours 10713 stem test 978-997. 255 feet water. open 1½ nours 10713 stem test 978-997. 255 fe	1022			
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950 955 soft rad shale, sandy 955 966 soft white shales, shady 959 970 soft rad shale (olivey) 970 975 rad shale 976 978 soft rad shale 977 976 978 soft rad shale 978 996 gay sond 989 997 rad shale 970 1024 rad shale 971 1024 rad shale 972 1024 rad shale 973 1030 rad shale 974 1030 rad shale 975 1054 shale 976 soft rad shale 977 1024 rad shale, streaks hard sand and hard lime 1052 1054 white shale, streaks hard gray sand. 1055 1056 shale sandy white shale, sandy 1056 1066 shard rad, gray, green shales, streaks hard lime 1057 1058 soft gray sand, papper and sait, fine to correr grain sand 1058 1058 soft gray sand, papper and sait, fine to correr grain sand 1058 1058 soft gray sand, papper and sait, fine to correr grain sand 1058 soft gray sand, papper and sait, fine to correr grain sand 1058 soft gray sand, papper and sait, fine to correr grain sand 1058 soft gray sand, papper and sait, fine to correr grain sand 1051 stem test sait 449 to 485. Tester open 1½ hours. Dry 1051 stem test sait said said said said spen 3 hours 10711 stem test said said said said said spen sinute 10711 stem test said said said said said said said said	932	940	gray sand, pepper and selt	
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Prill stem test 1060-103. Well flowed 35 gallon per minute. Set 1061 feet 4½ 0.0 casing. Show on bottom. Drove casing into 4 3/4" home from 1060-1066. Well flowing 80 gallon per minute. 80% closed in pressure completed detailer 26, 1947		}	1 .	1000
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Prove casing into 4 3/4" home from 1060-1066. Well flowing 80 gallon per minute. 80# closed in pressure completed October 26, 1947 County of Pennsylvan A THORN CANA COUNTANA COUNTA	urill	stem ter	E TOBO-1109" MST 110MGC OD EXTIDIT DEL WILLEGE NO	1 1001 1001 19
Well flowing 80 gallon per minute. 80# closed in pressure completed October 26, 1947 The County of Perrolcum County Records the control of the county Records the c	Drawe	GENTER	nto 4 3/4" home from 1060-1068.	•
completed Science Councy of Petrolema, Councy of Petrolema, San Translation of County Record		<u>'</u>		
Councy of Perrolena, Solved Occords A. M. at 9:30 o'clock A. M. County Records				
ATE OF MONTANA. Such and of Petroleum. 7.30 o'clock A. M. Conney Record	-compl	eted Oak	ber 28, 1947	
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ViRM 1008

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	T /6 R 25
	County PETROLEUM
MONTANA BUREAU OF MINES AND Butte, Montana	GEOLDENE CEIVE N HAM 3 1962
WATER WELL LOG	OTATE ENGINEED
Owner LAURA WALKER	STATE ENGINEER Address TEIGEN, NOTE
Driller MURRY A. COTTRELL	·
Date Started Nov. 1 - 1952	, ,
Location: Sec. 20 T. /6 R 25	14 sec. NE/4 NW/4
Type of well Priden Equipment used	,
	5
Water use: Domestic . Municipal . Stoc	ck Irrigation
Industrial Drainage Other:	
Casing:ft. to//_70ft. Type	Size 2 1 N E / /
Casing:ft. toft. Type	Size
Casing:ft. toft. Type	Size
Casing:ft. toft. Type	Size
Casing:ft. toft. Type	Size
Casing:ft. toft. Type Perforated or Screened: Ft to ft Ft Type of screen or perforations	Size to ft.
Casing:ft. toft. Type Perforated or Screened: Ft to ftFt Type of screen or perforations Static Water level; for non-flowing well:	Size to ft feet
Casing:ft. toft. Type Perforated or Screened: Ft to ftFt Type of screen or perforations Static Water level; for non-flowing well:	to ft feet DEC. 15-1952 (date)
Casing:ft. toft. Typeft. Typeft. Type of screen or perforationsStatic Water level; for non-flowing well:for flowing well:for flowing well:	to ft
Casing:ft. toft. Typeft. Typeft. Type of screen or perforations	to ft
Casing:ft. toft. Typeft. Typeft. Type of screen or perforationsStatic Water level; for non-flowing well:for flowing well:for flowing well:	to ft
Casing:ft. toft. Typeft. Typeft. Type of screen or perforations	to ft
Casing:ft. toft. Typeft. Typeft. Type of screen or perforations	feet DEC. 15-1952 (date) gal. per min.
Casing:ft. toft. Typeft. Typeft. Type of screened: Ft to ft Ft	feet DEC. 15-1952 (date) gal. per min.
Casing:ft. toft. Typeft. Typeft. Type of screened: Ft to ft Ft	feet DEC. 15-1952 (date) gal. per min.
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Casing:ft. toft. Typeft. Typeft. Type of screened: Ft to ft Ft	feet DEC. 15-1952 (date) gal. per min.

(over)

Log of Well

Depti	h, feet	Log of Well
From	То	Description of Material Drilled
0'.		6 (
0'	150	Gravel
151	30'	Black shale & Bentonite
135	90	broken formation and rock shale & sentonite
90'	1800	sand, water vein, pumping)
180'	2251	good diel ding shale to be to sale aquage (mud)
2251	3/0'	squenting not ke, whole & bentouite
310'	4101	Chale dudgumbo
410'	5301	teet d shall and book formations
530,	550'	shele & bontonite (made med)
610'	6301	while hard formation
630	6 579	
650	720	spale rock! hard, formation
735	1735	hard jerky rock , whale
850	870	bentokite tand shale
870'	875	bard shale and sock cat creek sand
8 /0	0 / 0	The same passed and the same
875	972	red shale soft
912'		struck rocks hard drilling
972'	1060'	shale hard rocks, some Gentonite
		struck line rock + soft rock.
1072'	1076	hard line rocks (jumpy drelling)
		shale, hard line rock.
1091	1	hard line rock 1110' out of hard rock
1110		fine shale soft.
	1	shale, dirty sand x
	'	artesian water 25 gallous pers.
•		

19918 STATE OF MONTANA, So. Deputy.

GW 2 Revised 1969

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Linde	r Chanter	227	Montana	Session	Laure	1061	30	amended
(υπαθ	r Cnapter	23/	montana	2622101	Laws,	1701,	as	amended

(Under Chapter 237 Montana Session	Laws, 1961, as amended)	Top of Groun	d (Elev. above sea level)
This form to be prepared by driller, a by the owner with the County Clerk are	nd Recorder in the county in	From To (Feet)	
which the well is located, last copy to Please answer all questions. If not appliform may be returned.	0 650 650 720 720 805	Lat Clat Creek Says	
Owner Earl Walker	For Administrator's Use	340 A30	May ste Ren Red Alice
Address Mo. Jugan	File#325 , 2.2493	760963	Top special cat
***************************************	aug. 21,1922 8,400,00.	1000 1100	
Date well started 6-15-72	i l	11561176	300 Cut sound;
completed $7-16-72$.		700 1370	Condulant Series
Type of well Drilled	lug, driven, bored or drilled)	298/30/	Sugle growsome
Equipment used Natary	Churn drill, rotary or other)	gren	1 1 1
Water Use: Domestic Municipal [1330134	Legel made
Industrial Drainage 0	ther * Garden/Lawn	1341 137	2 Mest Callade
*Describe		1372 /3,	4. Quift soud.
USE: If used for irrigation, industrial, state number of acres and location	drainage or other. Explain,	Stale	Plk 7 some
and Addition)		14501	est to
ESTIMATED ANNUAL WITHDRAWAL			
Size of Size and From To Drilled Weight (Feet) (Feet)	PERFORATIONS		
Hole of Casing	Kind From To Size (Feet) (Feet)	Pass	ny set on
77 6/8 0 20	}	3 10	suffer
5/8 4.1/2 20 400 1450 10.9. 400 1450	1 1 <i>()</i> +- 1	Care	e stire . 1152
3.	+ 110		
18 Kole from 1153	40 1430		
N Sta	tic water level Thomings.*		
Put	mping water level		
	asured Zminutes after pumping		
10 L	gan. leasured from ground level.		
1 : 1 ' 1	Il developed by		
Pov	hours. wer Pump HF		
	marks: (Gravel packing, cementing, ckers, type of shytoff)		
3.3	ssing set on top		
NE 14 NIV 14 Sec. 20 1	rd (at Creek:		
INDICATE LOCATION OF WELL AND F			
EACH SMALL SQUARE REPRESENTS 40			
Driller's Signature To Misan			
Driller's Address Heath	hort		
•	LICENSE NO. 1.44	1450.	Show exact depth of bottom

DRIIי"R'S LOG

height to which water rises in well.

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

acter, color, thick-

Indicate the

IT.W. 2 Earl Walker

EARTE OF MONTANA,

County of Petroleum,

Filed AUG 2 1 1972 19

Deputy

	23
	T 16 R 25 County PET ROLEUM
MONTANA BUREAU OF MINES AN Butte, Montana	ND GEOLOGY DECEIVE
WATER WELL LOG	STATE ENGINEER
Owner LIAURA WALKER	Address TEIGEN, MONT.
Driller.	Address
Date Started 192	9 Date Completed
Location: Sec. 23 T. 16 R 23	5 4 sec NE/4 NW/4
Type of well	sed(Churn drill, rotary, other)
	tock Irrigation
	Size 2 /NEH
-	Size Size
	Size
Perforated or Screened: Ft to ft F	't to 1t
Type of screen or perforations	
Static Water level, for non-flowing well:	
Shut-in pressure, for flowing well:	on:(date)
Pumping water levelfeet at	gal. per min
How tested:	
Length of test	
Remarks: (Gravel packing, cementing, packers, type of shut-off, de	cher or gunt-oil)

(OVET)

19918

The of the order and save country of Petrolema.

Tiled Dec 29

3: 10 octock T. M.

Whelma R. Monten.

County Recorder.

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				C	County DE	不能协利	477
	MONTANA	BUREAU	J OF MIN	IES AND (CEOLOGY		_
•	•	WAT	D Wei i	LOG,	STAT	E ENGIN	EER
	•	WAII	21K' AA 17171	LUG,			i
•	Owner EAR	L WA	LKER		Address 7	EICEN,	MONTO
3	Driller MUR	,					
	Date Started	PR. 4-	1952		Date Comp	leted MA	y 1, 1952
	Location: Sec	32 r.	16	R 25 1/4	sec. N E /4	NW/	
Type of well $D_{\mathcal{R}}$	ILLED	,	Equip	ment used	80TA	RY	,
	and the second s				(Churn	driff, rotary, oth	er)
Water use: Domestic		Municipal		Stock	\boxtimes	Irrigation	
Industrial		Drainage		•			
Casing:	1t. to 133.	<u>5ft.</u>	Туре	***************************************	Size	INCH	***************************************
Casing:	.ft. to	ft.	Type		Size		*
Casing:			1	. •	1		
Perforated or Screened:	: Ft	to ft		Ft		to ft	
Type of screen or perfora							
Static Water level, for no	on-flowing well:	* •.			******	(•	feet.
Shut-in pressure, for flo	•						
Shut-in pressure, for no	wing wen	***************************************		./sq. III. 0II	***************************************	(đate)	***************************************
Pumping water level	*	feet	at	•••••	gal.	per min	
How tested:							
Length of test				***************************************	•••••		***************************************
Remarks: (Gravel pack	ring, cementing,	packers, ty	pe of shu	t-off, depth	of shut-off)		
	*						***************************************
			•••••••••••		••••••		***************************************
	,						***************************************

0)			(over)				

Log of Well					
Deptl	h, feet				
From	То	Description of Material Drilled			
	3.5	surface terren, besitonite Vinto black shale			
35	176	black shale and bentonite.			
	(hard rock			
	}	black shale & Sentonite			
	1	rust beds, some rock.			
	ļ .	black shale and bentonite			
610	680	black shale and sand rock			
680	828	black shale, sand rocks + Lentonite			
828	8283	hard squeaking rock.			
828%	830	into shale and bentonite			
830	1040	first cat creek sand, no water.			
1040	1120	struck red beds, second cat creek			
		between leds.			
1120	1140	Hard rock.			
1140	1175	struck hard rock(drilling with gear bit)			
1175	1280	struck all colors			
1280	1320	third cat creek sand and water			
1320	1335	Through third cat creek sand and			
	1	to literian water, Igal per min.			
	19				
	i A,	Clock T. M. County Keeping			
	Petrolem	Solock County			
	F 7	2 3			
	5 5	N			
	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	23.0			
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	GROU	INDWAT	ER 1	ND	ΕX
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Page ___of__

County Petroloum Twp. 16V Rge. 26E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
15	Burnett, G.P. Jr. Skibby, En.	wat 109	?	
7	SKIBBY ENT.	11 11	17216	
	//			
<u> </u>				
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Form AP-1

MONTANA WATER RESOURCES BOARD

Water Resources Survey

Water Resources Survey

M				PROPRIATION	_		
	1.	County Let free	Book 4	Page #	Record	Misc. Loc	ations
		Name of Appropriator. G. P.					
		Address Silv Elge					
	3.	Date Appropriated 10-14-2	:2	Date Filed 10-16	-22		
		Amount Appropriated, Miners I	nches Acc-1	00 Cu. IN , C	ubic Feet, Per	Sec	
	4.	Name of Stream Well -	GW /N				
		Tributary of					
	5.	Purpose, Irrigation 🖯 Dome	estic 🗆 Stock	Other 🖸			
	6.	Land Description of Intended Pl	ace of Use:				
			vp. Rge.	-	Sec.	Twp.	Rge.
		15 822 10	6 26	***************************************	••••••		
			,		••••••	***************************************	••••••
	7.	Point of Diversion: (a) Wal	·L				•••••••••••••••••••••••••••••••••••••••
		Quarter of Section		Section7	Cownship	Range.	z6
			Right [] (Lookin				
	გ.	Size of Ditch & POE	Then direc	t to land	***************************************	•••••	
		Bottom Width	Top Width	·····	Depth	•	
		***************************************	************************************	***************************************	***********		
							•••••
		Direction of Flow of Ditch				····	•••••
	9	Remarks (Present Use Status, e	etc)				
					***************************************		••••••
						*******************	**********
		••••			*************		*******
		•••••				***************************************	

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	JAN	26	1959	رسا

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Cour	ıty	.Pot:	col	aun.	 	

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY

WATER WELL LOG

ı ı							
• 8	Owner :	- Skibby		· ·		·0· · · · · · · · · · · · · · · · · · ·	
	Driller V. I.	Living	ston				
	Date Started	August	26, 19	<u></u>	. Date Comp	leted ടര ും	t.2. 19 53
	Location: Sec.	, 2 ,/2,1	_16 N	R262. 14 s	sec.	4 11	••••••
Type of well Domos	St. Thund	71.2		*		.,	
Type of well	(Dug, driven, bore	d, or drilled)	Equir	ment used	(Churn	drill, rotary, oth	ner)
Water use: Domestic	T.	Municipal		Stock		Irrigation	
Industrial		Drainage		Other:	••••••••		
Casing: LANAXYXXXX	GROOTXXXXX	MARXIII.	Туре	**************************	Size		
Casing: Ground lav		_	Type. Th:	roods: Cour	1.Size 11.1	n 0,0,1	l#-pov . £\$,
Casing:	ft. to	ft.	Туре	***************************************	Size		
Perforated or Screened	: Ft	to ft		Ft	***************************************	to ft	
Type of screen or perfor	ations					•••••	
Static Water level, for n	on-flowing well	•	••••••				feet.
Shut-in pressure, for flo	wing well:	15	1	o./sq. in. on:	9/14/	L953 (date)	***************************************
Pumping water level		feet	at		gal.	per min	
How tested:		***************************************					•
Length of test		•••••		••••••	····		
Remarks: (Gravel pac	king, cementing	g, packers, t	ype of shu	t-off, depth o	f shut-off)		
Well flowed 75 at 237 foot, w	cal ner	inute. t of 🖟	Celing	co tolow g	okor in seker. 1	4 3 /4" Thought	Rat-holo
at 237 foot, w	tode by par	diam fro	ne 237 d n shut i	n. Top co	do is t llar se	3/4" in 5 belo	viis. V
ground lovel as		マーク・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	JU. COLY	er - Contair	~~~~~ <u>~~</u>	y*************************************	con gr ate
***************************************		*******************	***************************************	***************************************	•••••••	***************************************	***************************************
***************************************	,	***************************************	•••••		••••••		

(over)

		Log of Well Description of Material Drilled
Dept	h, feet	Description of Material Drilled
From	То	Description of Material Diffied
0	15	Shalo and sand Muddy clay and gravel
15	80	Shalo and sand Muddy clay and gravel
20	3 2	
, 32 .	75	Red shale
75	100	Grey shale
100 ·	105	Red shale and sand
105	119	Red and grey shale with sand and lime streaks
119	130	Soft white sand (Top of 2 nd Cat Creek)
130	142	Soft white sand with streaks of hard limey sand at base
142	146	Hard sand and lime
1 46	175	Soft salt and penper sand, course to medium course
175	220.	Red shale with hard line and sand streaks
220	21:3	Hard lime and hard sand with some red shale
243	250	Soft salt and pepper sand
250	260	Soft sand with hard lime streaks
260	275	Soft salt & pepper sand
275	299	Very soft sait and pepper sand and course textured
299	303	Hard sand and lime (Bottom)
		1.
	1	
		•

GROUNDWATER INDEX				Page	of_
County Potro le um	Twp.	16N	Rge.	27E	

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
25	Bratten, Wayne	well-log	16175	
			<u> </u>	
	•		<u> </u>	
			<u> </u>	
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	éimi	^	•			
				T3	6 F R 27	
		*.	-	County.	Petroloum	••••••••
	MONTAN		J OF MINE tte, Montans	S AND GEOLO	DGY DEC	EIVE
		WATI	ER WELL	LOG	an MOA	1 1957
			/		STATE	ENGINEEL
	Owner	Prattes	(wayne	Bratten) Addr	ess	
-	Drillerit.	Living	eter	Addr	ess[1][2200\$\$	-Montesa
	Date Started	detab	12 C. S. S.	1.2 Date	Completed.@@\$@	s
	Location: Sec	¥9 T.	. 16. R			
ype of well	(Dug, driven, bored	i, or drilled)	Equipm	ent used?obos	(Churn drill, rotary, of	her)
Water use: Domestic	П	Municipal	\Box	Stock X	Irrigation	П
water use. Domestic		Willicipal	, 		•	
Industrial		Drainage		Other: Dillico	l ee on Oll To webor wo	toot and N
Casing:O	ft. to68	ft.	TypeThe	eed h Coursia	e 10 3/11 o	* <u>*</u>
casing: 1 abovo g	mt. to. 962	ft.	Туретрэ	ond <i>Adoup</i> Siz	e.530.D14	
asing:	ft. to	ft.	Туре	Siz	e	arond
Perforated or Screened	: Ft	to ft		Ft	to ft	
Type of screen or perfor	ations					
tatic Water level, for n	on-flowing well:					feet.
hut-in pressure, for flo	owing well:		1b./	sg. in. on:	***************************************	
					(date)	
umping water level						
Iow tested:	1 Licaine 1	O gellon	a der mi	m \$6		
ength of test			······			
temarks: (Gravel pac						
Casin	g set on to	p of the	third C	et Greek eer	ki and cozeni	ted with
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			t, and &	llowed to se	st 96 hra be	Coro
drill	ing the plu	E	••••••	,		······
			*************************		********************************	***********
0		······································	(over)			

Log of Well

		Log of Well
Dept	h, feet	Description of Material Drilled
From	То	Description of Material Diffied
0	70	Soft shale with some gravel at the ten
70	555	Noft and firm dark chale with some bentonite bods and eare lime concretions
5 55	565	Sand comownet limoy
565	570	Soft blue clay
570	605	Dark sandy shale
605	655	Sand with lenges of bhale
655	680	Sand (Piret C. C.)
680	815	Red and grey shales
815	855	Sand (Second C/ C.)
855	860	Red Clay
860	905	Hard sand
905	915	Soft sand
915	945	Hard limey sand and redich brown delomite and red clay
945-	1867	Rod and grey shalo and silt
1967	1005	Sand (third Cat Crock)
1005	1035	Harder sand and shale
1035	1287	Verious colored shales (mostly toung rubbery grey shall some herd seeds and ciltatomes.
1267	1300	Red fine grained sand (Top of the 1211s)
3.300	1300	Light tan groy sugary line
1304	1316	auty.
1316	1326	Light fine grained parts
	ļ	Perclema V S County County
		Sold Sold Sold Sold Sold Sold Sold Sold
		0 20
		1.1 16 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1

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GROUNDWATER INDEX

Page ___of__

County Potnoloum Twp. LEN Rge. 28E

	Sec.	Name of Appropriator Bhattan hayre	Type of Form	County File No. 19815	Remarks
Ī	-	furshmel fory	6. 16. 2	26242	
	4	Bridger Aller or Edna	C. 127 3	19975	
	5	Bratton warene	Well-109	19812	
	10	Carshmol Gary	Gin 2	252115	
L	15	Bridger Stange Edna	E. 14. 3	199711	
	15	Garshmel, Gary	G. M. 2	26245	
L	15	11 11	6.15.3	26-114	
	22	'/ '/	C.12.2	26241	
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T 16 R 28 County Petroloum MONTANA BUREAU OF MINES AND GEOLOGY WATER WELL LOG STATE ENGINEER Repair Well #2 Address Winnett, Montana Owner. Wayne Brutten Driller George C. Singley Address Lewistown, Contana T 16 R 28 4 sec SN 4 of the M. E. 4 Location: Sec.... Churn drill, rotary, other) Equipment used..... (Dug, driven, bored, or drilled) Stock X Irrigation Water use: Domestic Municipal Industrial Drainage Other: 5 & 5 Size 5 3/16 ID 278 Casing: ____ft. to ____ft. Size..... Type. Casing: ft. to ft. Type Size Perforated or Screened: Ft. 150 to ft. 278 Ft. 112 to ft. 132 Type of screen or perforations. Slots Static Water level, for non-flowing well: 125 Pumping water level 210 feet at 15 gal. per min. Baling Length of test 1 hr. Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

Type of well.....

Casing:....

How tested:...

Log of Well

Depth, feet		Description of Material Drilled				
From	To	Description of Material Drilled				
_110	125	Water				
180	510	weter				
230	270	Water				
	i	·				
	; }					
		·				
	.					
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		o'clock D. M. Chwij kecurder. Chwij kecurder.				
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				R 28	•
			County	Petroleum	
	MONTANA BUREA	U OF MINES AN	D GEOLOGY	DECEIVED	i
	WAT	ER WELL LOG		STAIL ENGINEER	
	Owner Wayne Bratter	on John Mart	Address.	Winnett, Montana	
	Driller Nonge C. 31	ur corratts.	Address	Lowistown, Montana	
	Date Started August	3, 1953	Date Con	npleted Aug. 22, 1958	,
	Location: Sec. 4 T	16 R 28	14 sec 8.	Vigof the Site. 4	, ,
Type of well Drill.	nd	Equipment use	d Jable To	7 01	
((Dug, driven, bored, or drilled)	-	(Chui	n drill, rotary, other)	
Water use: Domestic	Municipal	Sto	ck X	Irrigation	
Industrial bove around	Drainage				
				6 OV	
Casing: 105 1	t. to 197 ft.	Type S & S	Size	4 3 OD	

Perforated or Screened:	Ft to ft	175 Ft.		to ft	
Type of screen or perforat	ions Slots			······································	
Static Water level, for nor	n-flowing well: 130	•	***************************************	feet.	
Shut-in pressure, for flow	ing well:	lb./sq. in. o	n:	(date)	
Pumning water level	155 feet	at 15	Q:	al. per min	
How tested Baling					
	rs.	•••••			
Remarks: (Gravel packi	ng, cementing, packers, t	ype of shut-off, dep	oth of shut-of	()	
· · · · · · · · · · · · · · · · · · ·	Perforated Cave o				

2 - 3	••••••	(over)			

Log of Well

Dont	h, feet	Log of Well
From	To	Description of Material Drilled
0	2	Topsoil
2	25	Sandy clay
25	30	Sandatone
30	114	Sandy shale
114	130	Sandstone Water
130	145	Brown shale
145	175	Sandstone Water
175	197	Light blue shale
	1	
		·
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	-	
	<u> </u>	
		iled B
	1	Colori
	 	o'clock 7. M. County Recorder.
-,		ord F
		7. To 7. To 7. To 7. To 7. To 7.
		2

1	GW3		. u) · ∩
	File	No	5 W A?

T 16 R 28

DUPLICATE

County Petroleum

50/

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECEIVED

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

		Date of Appropriation of Groundwater January. 22,1962
		Owner Allan or Edna Bridgerddress Winnett Montana
		Contractor (if any)none
		Address of Contractor
		Date Started1954 Date Completed1954
w	N	Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. **Pring** flow 13 gal. per simute**
	. 8	Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermit-
In	321/4 Sec. 15 T16 R. 28 dicate point of appropriation and place of use, if possible.	tent estimate approximate lengths of periods of use
	j'	Signature of Owner Date James 22, 1962

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

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

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

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

County of Petroleum. (58.
Pited JAN 22 1962

County Recorder.

GW 3	GNA Pleasing well	ja Maria
File No	GW ? planing well	т 16 в 28
DUPLICATE	See Brings Start	County Petroleum
	STATE OF MONTANA	DECEIVED
5// AI	DMINISTRATOR OF GROUNDWATE	
//	OFFICE OF STATE ENGINEER	STATE ENGINEER
Notice of Compl	letion of Groundwater Approp	

(Under Chapter 237 Montana Session Laws, 1961)

	Date of Appropriation of Groundwater January 22, 1962
	Owner Allan & Edna Bridger Address Winnett Montana
	Contractor (if any)Bavis & Sons
	Address of ContractorCatCreak
	Date Started Sept. 1961 Date Completed Sept. 1961
N	Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to
	water when applicable
	spring flow 1 gal. per minute
w + + + + + + + + + + + + + + + + + + +	16
	Quantity of water developed and used with explanation of meth-
8	od used to measure or estimate such amount. If use is intermit-
NWNE 1/4 Sec. 4 T16 R 28	tent estimate approximate lengths of periods of use
Indicate point of appropriation and place of use, if possible.	steadyuse
and place of all, in personal	
	Signature of Owner cH llan British
	Date January 22, 1962

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

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

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

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

STAPE OF MONTANA. | 58.

Volces R. Merica

County Beautier.

GW 2	•				Approved	Stock Form-	-State Publish		, Montana—5055		
File No.	వంం	•••••	ACONITA MA	WATER RESOURC	ES BOARD		т	/ <u>/</u>	ર તે 8		
DUPLIC	ATE R	eplace well	#2 RE	CEIV	E D		Cor	into Pe	fro124	127	
		LOG		40C		STATE	County 1 OT FOIS G 1971 TATE OF MONTANA				
		Tog	. (OCT 8 196	MUMINIA	RATOR O	F GROU	NDWATE			
	Top	of Ground						ATION BO			
	(Elev.	above sea level.	·*************************************		tice of C					er	
0	1	Topso11		•	Appropri						
25	25 30	Sandstone Light blue	slatv s	hal e	DEVELO	PED AF	TER JAI	NUARY 1,	1962		
30	65	Light blue Variated s	hale	(Unde	er Chapter 23°	7 Montan:	a Session	Laws, 196	1, as amend	led)	
		Blue, black brown coal		rey OwnerGai	ryGershme	-1	Addre	ss kii nnet	t. Mont	ari	
65	77	Light grev	sandato	ne	•					25	
77	95 98	Grey and b			irge V. S.	fu&tea"	Addre	ssWlni	ett. Mo	ntana	
95 98	135	Brown grey	variate	Date of Not	ice of appropr	iation of	groundwa	ater No	me		
135	180	shale Sandstone	Water	Date well st	arted Sex	7.19.	1969	completed	Septia	3,66	
		at 150-165	WC, 002.								
				Type or we	llDr.111.60 Dug, driven, bor	ed or drille	:q) ····rednibm	ent used (Chu	rn drill, rota	ry or other	
		•		Water use:	Domest		unicipal [rigation [
				Indianta	Industri on the diagra)rainage rector en	- . ,	her 🔲	rant etrot	
				met with in	drilling, such	as soil, cl	lay, shale,	gravel, ro	ck or sand,	etc. Show	
				strata and h	ich water is en eight to whicl	countered h the wat	er rises i	s and char the well.	acter or war	er-bearing	
				Size of	Size and	From	To	7	PERFORATION		
				Drilled Hole	Weight of Casing	(Feet)	(Feet)	Kind	From	To	
				5_E /Q		0	780	Size	(Feet)	(Fect)	
				5-5/8	440D44ID	ebove	180	5/16	135	180	
					Plastic	gr. 1	180	holes			
			•	•	Casing	_	j	<u>'</u>	[r e e	
				đ,				ļ			
					N N		177		°		
				!		n	atic war	ter Tevet	for non-flo	wing wei Ofeet	
ļ I						Si	ınt-in Pre	essure for l	Flowing We	•	
								_	1165		
				w		1	_		per minut		
						D	ischarge i	in gal. per	min. of flo		
								.		ne	
- I							4.6		ng and .		
					s	1.0	-		h r. king, cemen		
				11 CI	2 11				king, cemen		
		••			3 T.16 R ation of well						
-				place of use	, if possible.	Each					
				acres.	re represents	····			·····		
- 					•••••						
								•		•	
				USE—If use numb	ed for irrigat er of acres an	non, indu d location	strial, dra or other	amage or data (i.e.:	other. Exp Lot, Block	iain, state and Addi	
I				tion).					·		
- i											
	Show	exact depth of h	ottom.								
							**************		***************************************		
		repared by driller, a					Driller	's License	Number	***************************************	
County C retained 1		Recorder in the cou	nty in which	the well is loca	ted, tissue copy	to be	ואווונו		1 1 1) •	
	Der on wingles										

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

Driller's Signature. 45718

STATE OF UN ONTANA,
County of Petroleum,
Filed OCT 6. 1969

o'clock P. M.

Deputy

ANALYMENT OF CONTRACTOR OF CON

Charcon or braid

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GW 2			Approved	Stock Forn	-State Publishi	ng Co., Helena,	Montana-5055	1 000003
File No.	303				Т	<i>16</i> R	28	
DITTOTAC	NA MITAU				~	nty PI	trales.	112
DOPLIC	CATEREPLACE for Dry Hole Well #5 LOG DE	A WATER RESOUR	CES BOARD	STIATE	OF MONT	•	70100	<i></i>
	LOG RE	CEIV		RATOR	OF GROUI	NDWATER	CODE	
1	Top of Ground	OCT 8 196	$_{\circ}$ STATE V	VATER	CONSERV	ATION BO.	ARD	
	(Elev. above sea level	Not	ice of C	ompl	etion c	f Grou	ndwate	er
0	l Topsoil		Appropri	ation	by Me	eans of	Well	
1 _20	20 Yellow sand loose 30 Yellow clan and loo	an magica	DEVELO	PED A	FTER JAN	UARY 1, 1	.962	
30	90 Bear Paw	Under	Chapter 237	7 Monta	na Session	Laws, 1961	, as amend	led)
	water at 30 ft.	OwnerGar	vGershme	e 1	Addres	sWinnet:	tMont	ana
						_	_	
	*	DrillerGe	orge0	Single	yAddres	s Lewls	cown, M	ontana.
		Date of Notice	e of appropr	iation o	f groundwa	terNon	<u> </u>	•
		Date well sta	rtedSept.	18,1	969Date	completed	Sept1	8,1969.
		Type of well	l 15man 14	ad	Equipme	ent used	Rotary	
		(1)	ug, ariven, bor	ed or arm	led)	(Chur	n arm, rotar	ry or otner,
		Water use:	Domest Industri		Municipal [Drainage [ck ⊠ Irr ıer □	igation [
		Indicate	on the diagra	m the ch	aracter and	thickness o	of the differ	rent strats
		met with in depth at which	lrilling, such ch water is en	as soil, countere	clay, shale, d, thicknes	gravel, rock and chara	k or sand, cter of wat	etc. Show er-bearing
		strata and he						
-		Size of Drilled	Size and Weight	From (Feet)	To (Feet)	P)	ERFORATIONS	\$
		Hole	of Casing			Kind Size	From (Feet)	To (Feet)
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		<u></u>	N	<u> </u>	Static Wate	er Level f		~
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		w			at5			
		"		J	Discharge in			
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		NW 1/4 Nu Sec.						
-	•	place of use,	if possible.	Each			************	
		small squar	e represents	. .			***************************************	
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		TICE TE			uatrial dro			•
-			r of acres and					
		tion).						

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

Show exact depth of bottom.

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

Driller's License Number

Llor 10 divided

45715

W.W. #303

STATE OF MONTANA, County of Petroleum,

6 1969 P.M.

"BERTSTEDE OF HERSTWATER

Deputy

GW 2							Approve	Stock 1	Form-	-State Publish	ing Co., Heleni	, Montana—50	551
File N	ن	02								Т	/6 <u>1</u>	195	11.77
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-					Driller.Ge	or	ge O. Si	ngle	y	Addre	ss Lewis	town, M	ontana
					Date of No	otio	ce of approp	iation	of	groundwa	ter]	None	•••••
					Date well	ste	arted.Sept.	9.	196	2Date	completed.	Sept. 9	,1969
-					Type of w	rel]	Drille ug, driven, box	ed or	drille	Equipm	ent used (Chu	Rota	ary ary or other)
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							the owner wit			Driller	's License	Number	
	Clerk and by drille		tne county	in which i	tne Well is loo	ate	ed, tissue copy	to be		J ₂	משוטונים	Simil	
Please a		l questions.	If not ap	plicable, so	state, other	wis	se the form w	ill be		کمریک Driller	's Signatur	e. /	7
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STATE OF LONG TANA.

County of Jetrolaum, SS.

Jed OCT 6 1969

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Water gen.

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-						Dr	iller Geo	rge O. Si	ngle	y	Addre	ss Lewis	town, M	ontana
						Da	te of Noti	ice of approp	riation	of	groundwa	iter	None	
						Da	te well st	arted Sept.	ر, و	969	Date	completed.	opt. 9	1969
_						Ty	pe of we	n Dr111	d	•	Equipm	ent used	Rota	ry
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							number tion).	er of acres an	100a	tion	or other	data (i.e.:	Liot, Block	and Addi-
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								y the owner wi			Driller	's License	Number	······································
	by driller.		(1	1040	, 4001			Sic	27201 /] (<i>l</i>
Please ar	iswer all	questions.	. If n	ot applica	ble, so	sta	te, otherw	ise the form v	vill be		Driller	's Signatur	re. /	J
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STATE OF MONTANA.)

County of Petroleum, ss.

Filed OCI 6 1969 19

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GROUNDWATER INDEX

Page	of

County Potra Joum Twp. 168 Rge. 29E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
2	Gilfoother, Chas. H. (Estot)	GWH	22395	
3	Bump Clara E	6. W. 3	22412	
8	Gilfon they Ches. K Estato)	6WH	22399	
8		1,-	22392	
9	11 11	11_	22396	
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G	4 ~ ~	Approved Stock Form—State Publishing Co., Helena, Montana—12234
File	No. 237	T 16 K 29E,
וטמ	PLICATE pring) Lucia Administra	County Petroleum
r . 0	Judit of the same	STATE OF MONTANA
aux.	ADMINIS!	FRATOR OF GROUNDWATER CODE DECEMBE
na	OFF	TOP OF STATE PROTREES
(1)	~	JAN 3 1963
	Declaration o	f Vested Groundwater Rights ENGINEER
ام	os H. Willesther Estate	pter 237, Montana Session Laws, 1961)
arg	eline Mi Diffether	of Masby, Montana (Town)
0 -0	(Name of Appropriator)	(Address) (Town)
C	ounty of Parallum	g to the Montana laws in effect prior to January 1, 1962, as follows:
n:	ave appropriated groundwater according	g to the Montana laws in effect prior to candary 1, 1902, as follows.
۲	N	O Who have divid are on which the slaim is hered
1_		2. The beneficial use on which the claim is based.
Ì		• •
}-		3. Date or approximate date of earliest beneficial use; and how continu-
}-		ous the use has been 1920 - West for stich
w -	E	07870
		4. The amount of groundwater claimed (in miner's inches or gallons
		per minute) 15 gal. per minute
}		
}		5. If used for irrigation, give the acreage and description of the lands
L	s	to which water has been applied and name of the owner thereof
CE	1 16-20	
	4 Sec 2 T 16 R 2 9	
Indi and	cate point of appropriation place of use, if possible. Each	
smal	ll square represents 10 acres.	6. The means of withdrawing such water from the ground and the loca-
	/ N	tion of each well or other means of withdrawal
	7	y y
7	The data of commencement and compl	letion of the construction of the well, wells, or other works for with-
••.	drawal of groundwater.	1920 Starts, true & freeze
	and dozen mark from	in time to time
8.	The depth of water table Entire	ate 15 feet
		e, size and depth of each well or the general specifications of any other
	works for the windrawar of groundwate	
	<u> </u>	
		con A. Tr
10.	The estimated amount of groundwater	withdrawn each year 900, our less luaguestion
11.	The log of formations encountered in th	ne drilling of each well if available
		As A do All
		y ful and a
12.		ture as may be useful in carrying out the policy of this act, including
	reference to book and page of any count	ty record
		DI B William Pater
		Char. T. Dresent on Wilheather
		Signature of Owner D. Claministration
		note Dec. 29, 196 3

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

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

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

STATE OF MONTHAL County of Petroleum, County of Petroleum, Co. St. 1963 of Mills of Clock A. M. Director of Hecords.

Deputy Ju: 2.00

GW 3

File No.

DUPLICATE

T16NR29E

County Petroleum

STATE OF MONTANA

Notice of Completion of Groundwater Appropriation Shipppy Well INEER

(Under Chapter 237 Montana Session Laws, 1961)

	.6.29
	Date of Appropriation of Groundwater
	Owner Clara Bung. Address Bot 2 Winnet Many.
	Contractor (if any) Man
	Address of Contractor
	Date Started June 1932 Date Completed and year
N.	Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". include depth to
	water when applicable spring Nes Cleaned To
	about six feet to house & trak water
X	The year around, Jawes spring Cleaned
W	Damed to hold Water for stock
	all the year around
	Quantity of water developed and used with explanation of meth-
S	od used to measure or estimate such amount. If use is intermit-
4 Sec 3 T/6NR29E	tent estimate approximate lengths of periods of use .
Indicate point of appropriation and place of use, if possible.	around 2 to 5 inche
and place of use, it possible.	work done by Ernest & Guga
1. (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	Bump
	Signature of Owner Clara Bump
	Date DIC 19 13

This form to be prepared by contractor (if any), wise 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.

STATE OF MONTANA,

Filed DEC 31 1963 19

Deputy

Gi	(Control of the Control of the Contr	
This is	No. 24/ No. 24/ Approved Stock Form—State Publishing Co., Helena, Montana—42234 T 16 NR 2 9	
	Pitalo	
יטע. נטע	County County STATE OF MONTANA	
1	ADMINISTRATOR OF GROUNDWATER CODE DECENTOR	
,	office of state engineer JAN 3 1964	
	Declaration of Vested Groundwater Rights ENGINEER	
,	has, H. Hilfarther Estate Chapter 237, Montana Session Laws, 1961)	
	acqueling M. Gilfather administrators Mosby Montana	
ı.	(Name of Appropriator) (Address) (Town)	
	ounty of State of Montana laws in effect prior to January 1, 1962, as follows:	
	N D	en
Γ	2. The beneficial use on which the cam is based and fact tull	2
	3. Date or approximate date of earliest beneficial use; and how continuous the use has been all 1979	
	E well dente available secce	
1.	4. The amount of groundwater claimed, (in miner's inches or gallon.	
	per minute) about 10 gal fil minute	
].		
L	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	
VE	1/4 Sec. 8 T. 16 R. 29	
	cate point of appropriation	
and sma	place of use, if possible. Each ll square represents 19 acres. 6. The means of withdrawing such water from the ground and the loca-	
	tion of each well or other means of withdrawal.	
	pan po	
7.	The date of commencement and completion of the construction of the well, wells, or other works for with-	
	drawal of groundwater along 1940	
8.	The depth of water table Estimate 20 feet	
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	
	to primer pring,	
10.	The estimated amount of groundwater withdrawn each year formule al I all selections	
11.	The log of formations encountered in the drilling of each well if available	
	mat dilled	
12.	Such other information of a similar nature as may be useful in carrying cut the policy of this act, including	
	reference to book and page of any county record	
	Chas. H. Bilgeather Estate	
	Signature of Owner administration	
	Date 129, 943	

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.

 $\boldsymbol{22399}$

DEC 31 1963

Sonny & Degel

Diffector of records.

Ju! 2.00 Deputy

G/	N Bana	Approved Stock Form-State Publishing Co., Helena, Montana-42234
Fil	e No. 247	T 16 NR 29 E
שמ	PLICATE ON	County Letrolaum
11	PLICATE OLD	STATE OF MONTANA
(v.	ADIN	OFFICE OF STATE ENGINEER
\\\^\\	Podaratio	n of Vested Groundwater Rights 3 1963
^	Declaration of United	Λ ∓ + − − ′
Ω_{α}^{U}	has on diesenther	Chapter 237, Montana Session Laws, 1961) STATE ENGINEER
71.	Name of Appropria	for) (Address) (Town)
1	County of Petraleum	ording to the Montana laws in effect prior to January 1, 1962, as follows:
	N	
		2. The beneficial use on which the claim is based sand from tull structure 4 1 th, garden urigation
- 1		3. Date or approximate date of earliest beneficial use; and how continu-
- {		ous the use has been 1915
"		E
}		4. The amount of groundwater claimed (in miner's inches or gallons
		per minute) 10 gal, for me, te
1		5. If used for irrigation, give the acreage and description of the lands
1.7~	s 0 1/2 p.Cl	to which water has been applied and name of the owner thereof
N.E.	14 Sec. & T. LOR 29	
and	l place of use, if possible. Each all square represents 10 acres.	6. The means of withdrawing such water from the ground and the loca-
		tion of each well or other means of withdrawal hand films
7.	The date of commencement and drawal of groundwater	completion of the construction of the well, wells, or other works for with-
8.	The depth of water table	Timate 15 feet
9.		e type, size and depth of each well or the general specifications of any other dwater
	and to harren	mer eletre trated
	V	
16.	The estimated amount of groundw	ater withdrawn each year
11.	The log of formations encountered	in the drilling of each well if available.
		prot delled
12.		ar nature as may be useful in carrying out the policy of this act, including county record
	The second secon	
		Clas. H. La Matter Cather
		Signature of Owner I
		Dated 1 4, 1963

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

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

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

STATE OF MONTANA, County of Potranum,

Filed__ DEC 3 1 1963

at 11:15 o'clock A.W.

Deter on Records.

qu: 2.00 Deputy

4-Helena Independent Record File No. 238 Kahrl place DUPLICATE STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER Declaration of Vested Groundwater Rights (Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER Chas. H. Gilfeather Estate Pleather administrator of (Name of Appropriator) State of... have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as fol-3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1945 - she wells, them & fresh work followed by dozen & dragling water lucry graying year If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner Sec. 9 T 16 R 29 Indicate point of appropriation and place of use, if possible. 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Insurity Each small square represents 10 8. The depth of water table Estima So far as it may be available, the type, size and depth of each well or the general specifications other works for the withdrawal of groundwater and the property of the withdrawal of groundwater and the property of the control of the specific and the control of the specific and the control of the specific and the control of the specific and the 10. The estimated amount of groundwater withdrawn each year 900,000 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 the act, including reference to book and page of any county record..... Signature of Owner Char. H. Billesther Estate

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 Recorde.; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

STATE OF MONTANA.
County of Petrolaum,

et 11:05 o'clock A. I.L.

Smy S. Sung
Lifector of Recorp

Deputy

Pageof

County Potry loum Twp. 16N Rge. 30E

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Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
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	4—Helena Independent Record		,	ate a second
File	No239		T 16 R	30 F
DU	PLICATE,		County 12	aller mi
Fred	M ADMINISTRATOR OF	F MONTANA GROUNDWATER COD FATE ENGINEER	DE DECELA	10 10 10
	Declaration of Veste	d Groundwater Rig	hischare	70.5
(Declaration of Vester Range Chapter 237, M. Halfeather Estate (Name of Appropriator)	ontana Session Laws, 19	61) STATE ENGI	NEER
P	11 mb 12 m	(Address) State of	y Mondana Tana (Tor	wn)
	have appropriated groundwater according to the lows:	Montana laws in effect	prior to January 1, 1	.962, as fol-
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-	3. Date or	approximate date of ear the use has been	<i>U</i> ļiest beneficial use; an	d how con-
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10.	The estimated amount of groundwater withdraw		· ·	y
11.	The log of formations encountered in the drilling	of each well if available	mat do	lles!
12.	Such other information of a similar nature as ma reference to book and page of any county record.			
		Cha	t. Billett	er Estate
		Signature of Owner	Do 29 19	reneztrall
		-	1 1RP 24 19	1 W 23

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. 20904

STATE OF MONTANA,
County of Petroleum,
Filed BEC 31 1963

at ///O o'clock A. M.
Drany of Magazine

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GROUNDWATER INDEX

Page	of

County Potro le um Twp. 13-N

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
Z	Johnson Androw Ex Anne	GNH	20093	
4	Kamrath Art	6,20,2	24705	
5	Walker Earl	G.W.2	241727	
5	Romroth Arthur	GWH	20098	
24	Toigen Peter	En Wiz	27430	
25	11 Pate	3 En 112	26736	
30	Teigen Land & Lingstock Co	G. M. 3	22462	
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ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER Declaration of Vested Groundwater Rights (Under Chapter 237, Montana Session Laws, 1981) Andrew E. Johnson, Anna Johnson and Helen A.Heaton (Name of Appropriator) (Name of Appropria	DUPLICATE -	E/c	wing Well	County Petroleum
Andrew E. Johnson, Anna Johnson and Helen A. Heaton (Name of Appropriator) (Name of Appropriator) (County of Petropleum State of Kontana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1982, as follows: 2 The beneficial use on which the claim is based will drilling a series of approximate date of earliest beneficial use; and how continuous the use has been will drilling a series of county of the series of the seri	t C	ADMINISTRAT	TOR OF GROUNDWATER CODE	DECKINED!
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STATE OF MONTANA, County of Petroleum.

Filed March 12 16

t 1:30 o'clock M

Velma R. Merten

Vilina Daus

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