GROUNDWATER INDEX

County Potro loum Twp. 17N Rge. 27E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
25	Brady, Rondall	GWH	22/05	
29		GWH	22104	
29 30	4 4	6W2	236.34	
30	7 4	GW4	22106	
		`		
				

	The statement of the st
4—Helena Independent Record	\$ 100 miles
File No. 182	T 17 R 27 E
DUPLICATE	CountyPetroleum
Declara	STATE OF MONTANA NISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER tion of Vested Groundwater Rights Chapter 237 Montana Session Laws 1961)
	STATE ENGINEER
1. Rondall Brad (Name of Appropriate County of Petroleum	y of Winnett, Mont. Winnett or) (Address) (Town) State of Montana according to the Montana laws in effect prior to January 1, 1962, as fol-
have appropriated groundwater lows:	according to the Montana laws in effect prior to January 1, 1962, as fol-
N	2. The beneficial use on which the claim is basedfortycows.&. their calves watered here & helt withen pasture fence
	3. Date or approximate date of earliest beneficial use; and how continuous the use has been used 1940 & 2 or 3 months each year since then.
W O E	4. The amount of groundwater claimed (in miner's inches or gallons per minute) One gallon per minute.
	per minute)
s	 If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not used for irregation
NW45W Sec 25 T 17 R 27	tileteot
Indicate point of appropriation and place of use, if possible. Each small square represents 10	6. The means of withdrawing such water from the ground and the
acres.	location of each well or other means of withdrawal Water reise to the surface & overflowes down the coulie. NWSWA Sec. 25 T. 17 N. R. 27 E.
7. The date of commencement and drawal of groundwater Three	completion of the construction of the well, wells, or other works for with- holes dug & one of them sided up with loggs during the 1920.
8. The depth of water table Water	rises to the ground surface in each of the holes and over s down the coulie.
9. So far as it may be available, the other works for the withdrawal poles nailed to loggs so cone depression 5 by 10 foo	e type, size and depth of each well or the general specifications of any of groundwater One depreed about 8 by 12 feet, slatted over attle can drink through. One well 3 by 5 feet 3 foot deed to with poles nailed on top of witch loss leaving opening le to drink through.
	dwater withdrawn each year150000 gallons
	d in the drilling of each well if available Muck on top of sands
	lar nature as may be useful in carrying out the policy of this act, including by county record.
	Signature of Owner Roudall Bride,

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.

22100

STATE OF MONTANA, SEP 1 3 1963

at <u>3:25</u>o'clock P. M.

Bonny L. Dengel
County Recorder.

Renute

	-Helena Independent Record		T / 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
File	No. 181		T. / R. 7-/
DU	PLICATE	STATE OF MONTANA INISTRATOR OF GROUNDWATER OFFICE OF STATE ENGINEER	Countypetroleum
		ation of Vesied Groundwater Chapter 237, Montana Session Law	Rights SEP 17 1963
1	(Name of Appropriat		(Town)
	County of <u>Petroleum</u> have appropriated groundwater lows:	State of Me according to the Montana laws in	ontena effect prior to January 1, 1962, as fol-
Γ	N N		th the claim is based Cattle watered
w		tinuous the use has been I	of earliest beneficial use; and how con- used first Feb. 1935 & each winter
"		4. The amount of groundwate per minute) 12 gal. per	r claimed (in miner's inches or gallons minute.
Ĺ	s	thereof Not applicable	e the acreage and description of the been applied and name of the owner
In an Ea	dicate point of appropriation d place of use, if possible ich small square represents 10 res.	6. The means of withdrawing location of each well or other surface & over	such water from the ground and the ner means of withdrawal Water rises clowes down the coulie from Oct. the wells during the hot weather.
7.	The date of commencement and drawal of groundwater One spr 1958 & a third one excevet	completion of the construction of the	e well, wells, or other works for with- 35 One dug a cased Oct. 10
8.	The depth of water table Veins	s.attwo.feet.depth.and.a.veir	et-10-foot-in-onedovelopement
	other works for the withdrawal cased with timber covered with One hole excavated 1958 wit	of groundwater1935 spring 3.foo ith.logs & dirt1958 spring 1	or the general specifications of any of deep 3' wide by 12' long 0' deep 10' by 5' Cased & covered 4 to 1 side slopes.
10.	The estimated amount of ground	dwater withdrawn each year2598	00 gallons
11.		ed in the drilling of each well if ava	
12.	Such other information of a sim		ing out the pt ans act, including
		Signature of Ow	mer RondallBrad

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.

5921.

221114

Compy of Petrolenm.

Filed SEP 1 3 1963

. 11 3:25 o'clock P. M.

Bonny L. Dengel

County of Petroleum

WINNETT, MONTANA 59087

January 30, 1968

VIDNTANA WATE, RESOURT SECAN.

RECE

FEB 7 1988

Montana Water Resources Board Sam W. Mitchell Building Helena, Montana 59601

Dear Sirs:

On January 24, 1968, I mailed you a copy of Notice of Completion of Groundwater by Means of Well in the name of Rondall Brady, Winnett, Montana. In rechecking the description, we find there was a mistake in the reported description.

The well is located in the SWL NEL SWL of Section 30 Townshipl? Range 27 of Petroleum County, Montana, instead of the SWLSWL

Please change your records to agree with this new description.

Thank you.

Sincerely yours,

DIRECTOR OF RECORDS

Sonny L. Sargel (Mrs.) Bonny L. Dengel

small square represented --Show exact depth of bottom. Hisamon Drilling

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator. 42,781

. (OATTE		EIVED		STATE	of Mon	'ANA	eTrole	W. 787
Top of Groun	id	25 1968				NGINEER		
0-350-52 nd 6ray To u 350-610-81	ue Gray To		tice of Co Appropria (Under Chapt	ation	by M	eans o	f Well	ler
Black Sh.	_	Owner <i>B.o.</i>	ndall B	rady	∠Addres	s		
612-1193- Mudstone		Driller	11:52 m	ere	Addres	s. <i>Hea7</i>	Thy Me	277.7.
1193-1195 - White & L	Hard Sand-	Date well sta	arted Oct	15,19	6.2Date C	ompleted4	Dac. Z	3,190
shale,	- Gray Sandy	Type of well (dug, driven drilled)		d	Equipn (Churr other)	ı, drill, rota	<i>RoTō</i> , ry or	<u>ry</u>
17-16-17-35 - (Shole - Very Bailed hole NOT Lower	sandy in betto 8 hrs. Could be low 350 F	≫Water Use:	Domestic 🗆 Industrial 🔲		nicipal [Other Stock	_	rigation
1235- 1333- 5h010, 1333- 1343- 1343- 1710- 5andy,	Gray Muddy Fine Sand, Gray Shale-	Indicate strata met we Show depth bearing strate	ith in drilling, at which water ta and height t	such as is enco	soil, clay, untered, tl water rise	shale, gra hickness ar	ivel, rock o id characte	r saud, e
1710-22-10-		ize of crilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	Kind	PERFORATION From	NS To
2210-2350-	Sandy shale, y in places, O- Black entonite,	ì	12"0.0. Lb.	0	2390	Size SloTs Torch Cut	(Feet) 22/6	(Foct) 23 90
1	N	Static V	Vater Level for	non-flo	wing Well.			fe
	1 1 1	A.	Programs for	Flowing	Well			
		_ Shut-in	r ressure for .				gal. ;	per minı
		Pumpin	g Water Level.					$Q \sim 10^{-1}$
w		Pumpin Dischar		min. of	flowing we	n If y		
		Pumpin Dischar How To	g Water Level. ge in gal. per : ested s: (Gravel pa tion of pla other simil	eking, ce of us	flowing we Lengue ementing, e of groundinent info	th of Test packers, idwater if ormation,	type of shu not at wel including	utoff, lo il, and a number
Su-45W sec	S N	Pumpin Dischar How To	g Water Level. ge in gal. per sesteds: s: (Gravel pation of pla	cking, cee of us	flowing weLenguementing, e of grounding info	th of Test packers, idwater if ormation,	type of shu not at wel including	utoi il, s nun

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

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

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

42,781

STATE OF MONTANA,) County of Fourteum,

Fer: \$ 2, 2

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Daputy

A first weakly of defendant to be a substitute of the substitute o Carried to the control of the contro

4—Helena Independent Record		N	R 27 P
e No. 183			
PLICATE		County Pet	roleum
Declarati	STATE OF MONTANA ISTRATOR OF GROUNDWATER COI OFFICE OF STATE ENGINEER ion of Vested Groundwater Rig Chapter 237, Montana Session Laws, 19	III SEP 17	1963
Rondall Brady	of Winnett, Mont (Address)	tana	Winnett
(Name of Appropriator) (Address) State of Montane	A	(Town)
have appropriated groundwater as	ccording to the Montana laws in effect	t prior to Janua	ary 1, 1962, as fol-
lows:			
N	0 1 11		
	2. The beneficial use on which the for domestic & livestock	e claim is based use	Water obtained
	3. Date or approximate date of ear tinuous the use has been Used from 1928 till 1949 & have	use liest beneficial since 1928. continued u	use; and how con- For household sing for lives
E	for domestic & livestock 3. Date or approximate date of ear tinuous the use has been Used from 1928 till 1949 & have 4. The amount of groundwater clai per minute) & gal per minute	use liest beneficial since 1928, continued u imed (in miner)	use; and how con- For household sing for lives:
	for domestic & livestock 3. Date or approximate date of ear tinuous the use has been Used from 1928 till 1949 & have 4. The amount of groundwater clai per minute) ½ gal per minut 5. If used for irrigation, give the lands to which water has been	liest beneficial since 1928. continued u imed (in miner' te e acreage and capplied and na	use; and how con- For household sing for lives s inches or gallons description of the
E S	for domestic & livestock 3. Date or approximate date of ear tinuous the use has been Used from 1928 till 1949 & have 4. The amount of groundwater clair per minute) ½ gal per minute	liest beneficial since 1928, continued usined (in miner) te acreage and capplied and na	use; and how con- For household using for lives s inches or gallons description of the
s Sec ³⁰ T ¹⁷ R 27 dicate point of appropriation d place of use, if possible. ich small square represents 10	for domestic & livestock 3. Date or approximate date of ear tinuous the use has been Used from 1928 till 1949 & have 4. The amount of groundwater clai per minute) ½ gal per minute 5. If used for irrigation, give the lands to which water has been thereof No	liest beneficial since 1928. continued usined (in miner) te e acreage and capplied and no	use; and how con- For household sing for lives sinches or gallons description of the ame of the owner
s Sec ³⁰ T ¹⁷ R 27 dicate point of appropriation d place of use, if possible. ich small square represents 10	3. Date or approximate date of ear tinuous the use has been Used from 1928 till 1949 & have 4. The amount of groundwater clai per minute) ½ gal per minute 5. If used for irrigation, give the lands to which water has been thereof No 6. The means of withdrawing such location of each well or other means have 10' down in the	liest beneficial since 1928. continued usined (in miner's ce acreage and capplied and no	use; and how con- For household sing for lives inches or gallons description of the ame of the owner are ground and the awal Electric
s 14. Sec. T.7 R.27. dicate point of appropriation d place of use, if possible. ich small square represents 10 res. The date of commencement and condrawal of groundwater Well due.	3. Date or approximate date of ear tinuous the use has been Used from 1928 till 1949 & have 4. The amount of groundwater clai per minute) ½ gal per minute 5. If used for irrigation, give the lands to which water has been thereof No 6. The means of withdrawing such location of each well or other manual control of the second such as	liest beneficial since 1928. Description of the continued with the continued with the continued with the continued and not be continued and not be well. If wells, or other continued wells, or other continued and not be wells.	use; and how con- For household sing for lives: sinches or gallons description of the ame of the owner are ground and the awal Electric. er works for with-

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.....

11. The log of formations encountered in the drilling of each well if available sandy clay top 15.

Shale from 15' to 31'

Signature of Owner Rouda

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

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

10. The estimated amount of groundwater withdrawn each year ...30000 galons...

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.

5923

22106

STATE OF MONTANA. Sa. County of Petrolemm. SEP 1 3 1963

at 3:25 o'clock 🙉 M.

Bonny L. Dengel
County Recorder.

GROUNDWATER INDEX

Page	of

County Potroleum Twp. 17N Rge. 28E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
5	Bratton, Wayne	Well 1869	?	
9	Bratton Mayne		17242	
11	11 1/	11 11	19816	
33	11	Gilli 2 Well log	25040	
34	11 11	Well 109	19811	
	_			
	_			
		1		
		 	 	

5

Form No. 18 8-60

0-00 T	. 17 R. 28
c	county Petroleum)
MONTANA BUREAU OF MINES Butte, Montan	
Driller Location: SecT.	Address Bundup, Monday Address Boundup, Monday Date Completed May 3 1961
Type of well Equipm (Dug, driven, bored, or drilled)	(Churn, arill, rotar, other)
Water use: Domestic Municipal	Stock Irrigation
Industrial Drainage	Other
Casing: / ft. to 71 ft. Type	gelor- Size 10 in
Casing:ft. toft. Type	Size
Casing:ft. toft. Type_	Size
Perforated or Screened: Ftto ft	Ftto ft
Type of screen or perforations	
Static Water level, for non-flowing well:	feet.
Shut-in pressure, for flowing well:	lb./sq. in. on:(duta)
Pumping water level 40 feet at How tested: failing Length of test / fix	·
Remarks: (Gravel packing, cementing, packer shut-off)	rs, type of shut-off, depth of
	· · · · · · · · · · · · · · · · · · ·
(over)	

Log of Well

Deptl	n, feet	
From	То	Description of Material Drilled
		Judith Ruin Formation
0	73	seil
3	15	luft sand
15	28	lerown shale
28	38	
38	70	Poseus sand 14,0 - wo gat per min
10	21	shale
	i	
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	; 	
	i	

	T 17 North R 28 East
	CountyPgtroleum
D	GEOLOGY

DECEIVED

JAN 26 195 MONTANA BUREAU OF MINES AND
STATE ENGINEER

WATER WELL LOG

ı ı							
	Owneryr	e.Bra iten	(Miller	Ranch)	Address	innett. M	ontara
	Driller	Livirg.s	ton	••••••	Address	vinnett, M	ontana
1.	Date Started	Octob:r	2. 1951		Date Comp	leted. Octo	ber 11, 195
	Location: Sec.		. 17 N.	R. 28 Ba 1/4 s	ec. NW	4554	
Type of welldrilled							
	(Dug, driven, bore	d, or drilled)			(Churn	drill, rotary, oth	er)
Water use: Domestic		Municipal		Stock	Ĭ	Irrigation	
Industrial		Drainage		Other:	***************************************		
Casing:	ft. to	ft.	Туре		Size	•••••	***************************************
Casing:	ft. to	ft.	Туре		Size		
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:		R	o./sq. in. on:		(date)	•
Pumping water level		feet	at		gal.		
How tested:	••••••		••••••			·-····	•••••
Length of test		•••••	***************************************		••••••		
Remarks: (Gravel pac	king, cementing	g, packers, t	ype of shu	t-off, depth of	shut-off)		
Ran 1979 feet	of 41 inch o	D11po	undBrou	nd thread c	nsing: _pa	cker set n	t 1844 feet
(Larkin Figure 21	Packer with	L6inchru	bberl.per	forations f	rom 1846.	fast to 19	79 feet:
wo.1 flowing 3 cal	lonsernim	ite	******************	- 18		***************	*******
			***************		************	***************************************	*************
						**********	******************
			(OVET)				

		Third Co.
		Log of Well County
	h, feet	Description of Material Drilled
From	То	
0	10	Surface soil
10	15	gravel P B B
15	118	black and brown shale
118-	400	black shale and shalls
400	525	black shale and streaks of bentonite
525	825	black shale
825	990	black shale and shells and thin streaks of hard sand
290	1015	black shale and gypsum
1015	1050	coft to soft grey sandline and calcite streaks
1050	1093	black shale and bentonite
1093	1103	black shale, green shale, and soft grey clay
1103	1175	soft grey sand, grey clay, and shale streaks
1175	1230	shale, bentonite, and grey Clay
1230	1255	shale and bentonite with hard sami streaks
1255	1300	black shale, bentonite, and grey clay
1300	1350	top of Clargettdark shale and bentonite
1350	1375	black shale, bentonite, sand strenks with calcite
1375	1592	black and green shale, calcite and arey clay with shells
159 2	1840	black and green shale, clay and some shells
1840	1-50	black s ale, bentonite, and sandy hale-Base of Claggett
1850	1855	soft sandtop of Ezgle
1355	1890	shale and bentonite
1390	1950	fine, grey, soft sand
1950	1971)	shale, grey dry, and sand streaks

				7 R 2	8 //
				Potrol or	
	MONTANA BUI	REAU OF MINES Butte, Montana	AND GEOLOG	WE ()	
	V	VATER WELL LO	OG STATE EI	NGINEER	
	Owner Mayno Su	attom	Addre	s Vincett	***************************************
	Driller We L. Liv	ingston satet	9 Addres	s Visnott	
	Date Started				7 30 ₉ 196
	Location: Sec. //	T. 17 R	28 4 sec 9	E. 4 of the	8.M.4
Timent					
e of well. Trille	(Dug, driven, bored, or drill	Equipmer	it used(C	hurn Crill, rotary, other)
ter use: Domestic	Munic	ipal	Stock 2	Irrigation	
Industrial	Drain	nage O	ther:	***************************************	***************************************
ng: 0	ft. to 1993	t. Type 🖫 🖰 🕻	Size.	14° 0. 0.	
ng:	ft. tof	t. Type	Size.	***************************************	
ing:	ft. tof	t. Type	Size.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	**********
orated an accepted	F _{Ft} 1863	o ft. 1960	Ft	to ft.	
e of screen or perfo	rations	gun perforat	ed 51 abots 91 electe	from 910 to from 2075 to from 1110 to	955 1095 1130
t-in pressure for th	owing well:	in the	resed to 5	gul. after p Judith Alver	ortoration
t-in pressure, for in	owing wen	sq	. 111. UII	(date)	******************
nping water level	***************************************	feet at		.gal. per min	***************************************
tested:				***************************************	***********
gth of test				•••••	••••••••
narks: (Gravel pac ot Larain Fig	cking, cementing, packers	ers, type of shut-of:	f, depth of shut-	off) 58 ft. and 1	at 1/01,2
	•••••••••••••••••••••••••••••••	······································	•••••••••••	***************************************	************
******************************			***************************************	!	***************************************
		·····		***************************************	

Dept	h, feet	December of Material Pulled
From	То	Description of Material Drilled
0 285	25	acud, graval and shalo
377	5	blook whalo
948	350	black shole and grey they
350	374	shale end oley
37	500	groy blue shale, were cycler shalls
500 370	500	grey and black shale and bentonite grey and black shale, buntenite and hard shall strenks
43 F C	500	their materite and over old.
599	620	black chale, bentonite and scapatons
620	630	black shale, sompatone and sandy line and bentratte
630	750.	black shale, soft grey shale, bentante out scapatone
780	Sio	bleck shalo, were shallo end groy clay
13.3	- 660	bluck and grog clays hard likely send
660	870	whale and sandy whale
590	200	chala, sandy at ale one streets of with calcite
690	900	shale, sandy chale, hard gray sand
900	946	shalo, eardy simile and some mostum hard sound
936 950	950	medium noft fine gray and and andy shale
970	970	sedius soft cray asand, sandy abaic and bentonite sendy shale, bentonite and thin streams hard calcite
38e	1016	sandy shale, med soft sand, bontonite, hard chart and cal-
010	1080	sandy shalo, gray city
ϋo	1090	Fine soft used
090	1430	Being clay one chaic
130	1100	grey clay, sandy shale and churt
2:,0	+ 3250	nerg clay whele of the claim
160	1190	o'ary, shale and bontonite
100 —	2000	a may and an alway and sheda
230 250	1250	hard sand shale
275	1310	sendy lime, obert, shele and grey clay
310	1322	egicks and clas
322	1/107	black shale, limey sand stroots, bentonite and grey clay
307	17.4	blome and spoy alay, bentonite
7:11	1763	gry, and bleek shale, bontonite and some chart
763	2000	light oray clay, sandy shalo
040	1000	hard sendy make and grey ulty
C60	1075	here early sinlo
075	† 2005 -	GMMAN MARIE AND LANGE AND

	Nelma	7.42 Eiled	Second 18.6	18816	
	-50	So'clock T	County of Petroleum.		\ !
Deputy.	Menten County Recorder.	1967	- N	V.R.	103

Log of Well

	, feet	1
From	To	Description of Material Drilled
0	* 25.2 * 25.2	nand, gravel and shale
177	20.2	block single
242	350	black shels and groy slay
350	374	shele and clay
374	600	gray blue shale, some cyster shalls
400	- 370	Eroy and black sinds and beneatite
170	500	gray and black shalo, bestonite and hard shall stronks
enn	600	abala, heaten the other arms ofer
599	620	black chale, bentonite and apapetone
620	630	blook shalo, accordence and sandy lime and bentonite
630	750.	black shale, soft gray shale, bentonite and scapatone
350	610	blook shale, seas shalls and gray clay
C10	- 650	bless and groy clays hard they coul
660	670	shele and sendy shele
270	990	chale, cours on ale and stronges of white colortes
890	900	shole, sundy shale, hard groy sand
000	036	chale, sendy whale and some medium herd sand
936	950	medium noft fine grey send and sandy shale
950	970	ofinoaned bus alacie whose shase year for emilbeer
970	960	nandy chale, bentonite and thin atreals hard calcite
980	1010	sandy chale, and soft and, benton to, hard that and a
12.0	1080	mandy while, grey clay
160	1090	Pine soft sand
PRO	1130	sand olas and spais
30	1150 1160	gray clay, sandy chale and chert
20	- 1360	groy olay, shale, some challs
60	1190	olay, shule and bondenite
90	1230	a righ op for clea and apope
230	1250	hard sand and shale
260	1275	hard Items mend, extertes, tree cyrites and shale
775	1310	sandy lime, chart, shale and groy clay
22.0	1322	ationy gray alay
122 107	1407 1714	black chair, limey sand stronks, bentonite and gray clabble and gray clay, bentonite
44	1763	Ergy and bleck apelo, bentenite and some chert
63	2840	light grey olay, mandy shale
130	1660	sings sound wings may know again.
60	1875	there early state
75	1005	gendy viseže mai light gray viag
105	1960	fine ect arey send and some sendy shale and grey clay
	- 1975 -	bluot chole, grey clay, berbonite and some and
160 175	1995	plack and groy onele

OW 2	•••				Approved	d Stock Form	-State Publis	hing Co., Heler	10, Montana—42	329 3 3
File N	Го		STATE WA	TED CONCERN	ATION BOXE	_	Т	<u> 17 </u>	28 Tarl	,,
DUPL	ICATE		STATE VIA			7	Cou	inty. کرگھیو	trul	lunc
		FOG	Billo	00T 28 196	-	STATE	OF MON	T A TA A		
-	Top o	of Ground		MoNut	MOADMINIST	RATOR (FICE OF	OF GROU STATE I	ndwate Ingineei	R CODE	
		. above sea level.		WICL CO	3					ter
- c		Topsoil	Dickor		Appropri	iation	by M	eans c	f Well	
- 1 - 12		Yellow cla Blue shale		treeke				TUARY 1,		
40	45	Sandstone	TOOK B	OI GOID	(Under Chap	ter 237, 1	Montana !	Session La Win n		
-45 -56	71	Shale Sandy shal		OwnerW	ayne Brat	ten	Addr			Mont.
73	87	Hard sands Coal strea	tone ked sha	1 Priller Ge	orge O. S	ingley	Addr	ess. Levi	stown. 1	Mont.
-87 105		Light blue Grey shale		one Date of No	tice of approp	riation of	groundwa	nter	None	
127	132 2 180	Sandy shall Hard sands	.e	Date well st	arted Sept	.28,19	66 Date	completed	Sept.29	9,1966
_18	190	Shale		Type of we (Dug. Driv	ell Dri	lled			Rotary	••••••
				Water use:	Domestic Industrial		nicipal [ek 🕱 Irrig	gation 🔲
				Indicat	e on the diagra	m the cha	aracter and	d thickness	of the diffe	erent strata
-				depth at wh	drilling, such ich water is er	acountere	d, thicknes	ss and char	ock or sand, racter of wa	etc. Show ter-bearing
-					neight to which			the well.	<u>`</u>	· · · · · · · · · · · · · · · · · · ·
-	ì			Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	Kind	PERFORATION	To
	İ			5-5/8		0	190	Size	(Feet)	(Feet)
					4台OD44I	9	190			
-]
-	1									
-					<u> </u>		<u> </u>	<u> </u>	<u> </u>)
						St	tatic Wat	er Level	for non-flo	owing well feet
						si	hut-in Pre	ssure for F	lowing Wel	
-				X		1			al180	
-				W	33 	- (l. per minut min. of fle	
-							BCHAIGE I	n gan þer		
									••••••	
				<u> </u>	s		-		king, cemen	
-				1/ 9.	.33 m / 7 m					
-				Indicate loc	eation of well , if possible.	and				
 			•	small squa	re represents	40				, , , , , , , , , , , , , , , , , , , ,

								•		•
-	j			numb	ed for irrigat er of acres and	ion, indu I location	strial, dra or other	inage or data (i.e.:	other. Exp Lot, Block	olain, state and Addi-
-				tion).						
-	1						••••••			
<u> </u>	■ Show	exact depth of bo	ttom.			****************	••••••••••	•••••••••••	***************************************	•••••••
		repared by driller, a					 Drillan	's License	 Numhor	••••••
	by driller	Recorder in the cou	aty in which	the Well is loca	uea, ussue copy	ro 06	- mer	~ AIGGHAG	21 antDCF	
Please a		questions. If not	applicable, a	so state, otherw	rise the form w	ill be		's Signatur		7
							N	90 go 8.	77	111.546
								-	10	L11 47 00

25040 File No. 285

STATE OF MONTANA, County of Petroloum,

Filed 667 27 1963 19 at 3:30 c'clock f. Dorny L. Dengel Director et renfass.

7ee: 87.8 Deputy

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					mun for to	
	MONTANA	A BUREAU OI Butte, I	MINES AND	·	y DEC	EIVED 5 1961
	<i>[</i> 10	WATER V	WELL LOG		STATE	ENGINEER
	Owner	Bratten	t Spring	Addres	Winnett,	Montana
	Driller Georg	e U. Bingle	? y	Addres	Lewistow s	n, Mostana
						pt 13, 1958
	Location: Sec	34 T 1	7 _R 28	1/4 sec. 1/1	te. 4 of.	the 7: W. 1
Type of well	illed			Cable	Tool	
2 , p 0 0 - 1. 0 - 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	(Dug, driven, bored,	or drilled)		(C	hurn drill, rotary,	other)
Water use: Domestic		Municipal	Stoc	k X	Irrigation	a 🔲
Industrial		Drainage				
Casing:	2 _{ft. to.} 47	ft. Typ	<u> </u>	Size.	5-3/16	ID
Casing: 45			e 5 & 5			
Casing:	ft. to	ft. Typ	e	Size.		
Perforated or Screened						
Type of screen or perfor	rations51	ots	******************************			
Static Water level, for n						
Shut-in pressure, for flo	wing well:	••••	lh./sq. in. on	1:		
	150		3		(date)	
Pumping water level Beli	nz				-	
How tested:	***************************************		~			
Length of test2 h		•	•	******************************	•	***************************************
Remarks: (Gravel pac	king, cementing, ith 5" altoe	packers, type	of shut-off, dept	th of shut-	off)	
M-65 (2) 46-64 19 -			***************************************		***************************************	
		••••••	***************************************			*******************************
			•••••			************
	-					
				***************************************		•••••••

(over)

Log of Well

Log of Well					
Denti	h, feet				
From	To	Description of Material Drilled			
	10				
O	45	Simle			
	1				
45	57	Sandy sha le			
57	85	Sandstone Water			
85 ,	130	Shele .			
	1				
320	140	Sandstone Water			
130	140	Sandstone Veter.			
140	170	Shale and of Lance .			
170	180	Bear Paw			
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	1	Perrulenma 194 Porlock F. M. 194 Consult Recorder. Popularity Popularity			
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GROUNDWATER INDEX		Pageo	f
County Potra loum	Twp. 171/	Rge. 29E	

Egyptig Child Company of the control

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
13	Gibson, James R. Burrau af Land Mangenn	GWH	22377	
30	Bureau of Land Managemen	TGWH	22334	
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4-Helena Independent Record File No. 5/19 County & Itroleum DUPLICATE STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE 433N19N3 31V1S OFFICE OF STATE ENGINEER Declaration of Vested Groundwater Rights (Under Chapter 237, Montana Session Laws, 1961) (Address) (Name of Appropriator) .State ວະ.. County of... 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 flockuatur 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1904 every years 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 GPM. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner 174 Sec/3 T/1 R29 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 Bump. Each small square represents 10 acres. 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater ___/904 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. 10. The estimated amount of groundwater withdrawn each year 10,000,000 gallana 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.

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

Signature of Owner

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

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

2B

22377

STATE OF MONTANA,

County of Potroloum,

Filed DEC 3 0 1963

t/30 o'slock P. Id.

Bonny L. Dengel

Director of rescorus.

Live Courell

Deputy

4—Helena Independent Record No. 193	•	r 17 N R 29 R
PLICATE		County Potroleum
	STATE OF MONTANA	•
AU	MINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER	UEC 23 1963
Decl (Un	aration of Vested Groundwater Rights der Chapter 237, Montana Session Laws, 1961)	STATE ENGINEE
(Name of Approp	riator) (Address) (Address) State of Montana ler according to the Montana laws in effect pri	(Town)
N N	2. The beneficial use on which the classic for livestock water	
	Date or approximate date of earliest tinuous the use has been	beneficial use; and how con-
3,	4. The amount of groundwater claimed per minute)	l (in miner's inches or gallons
•	5. If used for irrigation, give the action lands to which water has been appeared thereof	
K. 1/4 M Sec30 T.178 R291		**************************************
dicate point of appropriation d place of use, if possible. ch small square represents 10 res.	6. The means of withdrawing such was location of each well or other mean	eter from the ground and the
	Gravity flow to catch	
The date of commencement a	and completion of the construction of the well, which well well with the completed 1/7/61	vells, or other works for with-
The depth of water table	Surface discharge - ground seep	
other works for the withdray of culvert - water carr		ected in a 24" x 4' sect
The estimated amount of gre	undwater withdrawn e.ch year250,000g	11004

Signature of Owner. Date December 12, 1963

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

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

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.

0(

22334 File # 193/Bed

STATE OF MONTANA,

Ju: Z. Deputy

GROUNDWATER INDEX

	Page	of
	Page	of_

County Potmoloum Twp. 16N Rge. 24E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
Z	Harris, Flayd D. Bassett Earl He	GW H	22409	
15	Bassett Earl He	Well 109	16310	
19	Lowie Bree.	7/125	27472	
20	Lowis, David Wit william W.	GW 4	22362	
20	11 7 11 11	6.W 3	22369	
28	Bassott Earl H.	#18/06	19728	
34	Bassott, Earl H.	#18 lag 36, 2, 2	27550	
	·			
			!	
	<u> </u>	 	 	
		<u> </u>		
 			 	
		 	 	
 		<u>, </u>		
 			<u> </u>	
		 	 	
		 	 	
 		 	<u> </u>	

Signature of Owner Fleryd D. Harris

Date Jan. 30, 1963

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

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

reference to book and page of any county record

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

22409

STATE OF MONTANA, County of Potroleum,

Filed DEC 31 1963 19 at 2:30 o'cleck P. M. Diffector of Recognes.

Deputy 2.00

15

DECEIVED

JAN 9 1958

T / R 21/5
County Petraleum

MONTANA BUREAU OF MINES AND GEOLOGY STATE ENGINEER Butte, Montana

WATER WELL LOG

	Owner Earl H.Basse	tt	Address .iiri	uss Bange, Montana
	Driller Well-Livingston		Address. Min	mett, Montana
	Date Started April 19 Location: Sec. 15 T			-
Type of well	lød (Dug, driven, bored, or drilled)	Equipment used	rotary (Churn dr	ill, rotary, other)
Water use: Domestic	Municipal Municipal	Stock	x	Irrigation 🕱
Industrial	Drainage	Other:	***************************************	
Casing: 0	ft. to. 1070 ft.	Type Black thread	Size 45 "	0 D
Casing:	ft. toft.		Size	•••••••••••••••••••••••••••••••••••••••
Casing:	.ft. toft.	Туре	Size	
Perforated or Screened	: Ft to ft	Ft		to ft
Type of screen or perfor	ations Shot	Perforation		
Static Water level, for n	on-flowing well:			feet.
Shut-in pressure, for flo	owing well: 60	1b./sq. in. on:	1951 (date)
Pumping water level	feet	at	gal. p	per min
How tested:				
Length of test				
, -	king, cementing, packers, t			om Declore est
	f bottom Collar 5 *t b		•	
•			***************************************	
3 ◆		(over)	•••••••••••	

			Log of Well
	Depth	, feet	
	From	'To	Description of Material Drilled
	0	18	Shale
	18	21	Gravel
	21),5	shale and sand
	45	160	Dark firm shale- streaks of bentonite
	160	200	soft grey shale " "
	200	290	hard shale lime shalls and bentOnite streaks
	290	315	Firm shale and straks hard grey sand
	315	320	firm dark shale
	320	395	dark firm shale and streaks of Bentonite
	395	750	dark firm shale and streaks of bentonite
	1420	465	dark firm shale and streaks of bentonite
	165	490	dark and light shale- some bentonite
	490	495	soft sandy shale
	495	520	soft grey shale
	520 580	580 605	soft grey shale
			various colorws shales
	605 6 10	610	various colored shales & sand
		675	various colored shale and sand streaks
	675	700	soft grey sand
	700	705	sand and streaks of shale
	705	735	dark mani shale
	735	745	red shale
	745 835	835 885	red shale- grey shale and black shale various colored shale
	885	930	Various colored shale and hard grey sand
	930 960	960 970	various colored shale soft salt and pepper sand
	970	1020	Various colored shale
<i></i>	· · · · · · · · · · · · · · · · · · ·		
*	1020	1030	Various colored shale and hard lime shells
	1030	1068	soft dark grey salt and pepper sand
*,	1068	1070	shale.
. —	- Q C	754	
		1 - 7	\(\sigma \)
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<u>5</u>		· · · · · · · · · · · · · · · · · · ·	A CLE F
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		WON L'ANA	Scioc County Street
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16310

County of Petroleum

LESTER J. BEVIS, CHAIRMAN ROBERT E. WEINGART, COMMISSIONER S. E. WIGGINS, COMMISSIONER

WINNETT, MONTANA 59087

February 22, 1973

Department of Natural Resources and Conservation Helena, Montana 59601

Dear Sirs:

There is a location correction to be made on the Lewis Brothers GW 2 Document No. 27472-File No. 322-Filed July 10, 1972.

Corrected location

NW¹₄NW¹₄ Sec. 19 T 16 N R 24 E

Yours truly,

Director of Records Petroleum County

FED 2 1973

packers, type of shutoff) for ne cemented by Hallburton	##7 %	50 23 8 P.		and District the	Salar and
Secolad NW NW V Sec 23 with 145 sks type2	1210 1215	1230 1230	Sand t	se lime rks & li	page.
S &4 W	1230	1240	Salt &	pepper (and lays
EACH SMALL SQUARE REPRESENTS 40 ACRES.	124 0	-1260	Selt &	pepper (and in
Driller's Address Grass Range, Montana	1260	126	crease Salt a	nd Peppe.	Low
et 1264 specks of Hydro carbon (coal	1268 TOP			orosity act depth of silty s	
	*,	÷		30,8	,

RECEIVED

County etroleum

JUL 1-1: 1972

DRILLER'S LOG

depth at which water is found and

height to which water rises in well.

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE

MONTANA WATER RESOURCES BOARD

MONTANA WATER RESOURCES BOARD

MONTANA WATER RESOURCES BOARD

MONTANA WATER RESOURCES BOARD

MONTANA DEPARTMENT OF INDICATE the character, color, thickmontana Water Resources BOARD

MONTANA DEPARTMENT OF INDICATE STORY

MONTANA WATER RESOURCES BOARD

MONTANA WATER RESOURCE

NOTICE OF COMPLETION OF GROUNDWATER , APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended) This form to be prepared by driller, and three copies to be filed by the **owner** with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions, if not applicable, so state, otherwise the	-6	-+	-1
form may be refurned.			_
	2	³↓	_
Owner ALewis Bros. For Administrator's Use	7.0	╗┪	-
Address Grass Range, Mont. File#392 - 37422	-45	-	_
Address Marias Marias File Odd 17.725			_
July 10, 1912 9:00 aug			
			-
Date well started March 21,1972 GW 1	-60	30	L.
completed April 12,1972	269	2	Ž
			_
Type of well Drilled		_	-:
(Dug, driven, bored or drilled)	72	_	_
Equipment used Rotery (Churn drill, rotary or other)	7.7	-	۴
Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐	780	\Box	2
Advances Section of the Control of		-	_
Industrial ☐ Drainage ☐ Other ☐* Garden/'.awn ☐	78	<u>.</u>	-
	~ /o :	*	2
*Describe	Jan 200	30	_
VUSE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block	83	3.	ž
resides	/-		
and Addition).	879	9_(2
estimated annual withdrawal 10,000,000 gal.	91	5 1	<u>-</u>
i los la la la la la la la la la la la la la			<i>y</i> .
Size of Size and From To (Feet) PERFORATIONS Hole of Casing	96	ړ ۵	9
121 26 Kind From To	96	51	٥
8 5/8 0 40 cement casing to	20 100	-	-
65-3 7/8 40 1270 open 1098 12	70 100	?	-
36		-+	••

				
		61	٧ .	ł.
	X	X		
649.	-			
		130	و پيد هدواده ا	
w.			.	
			أ . للتحرير	
1				

See hed NW let #

Static water level Pumping water level _____ft, at _____gallons per minute measuredminutes after pumpin began 15min shut 1 m/25*Measured from ground level: # Well developed by artesian forhours. Power..... Pump..... Remarks: (Gravel packing, cementing packers, type of shutoff) Get pe cemented by Hallburton with 145 sks type2 cement from 0-1098

artesian

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE, EACH SMALL SQUARE REPRESENTS 40 ACRES. Driller's Signature.

Driller's Address Grass Range, Hontana

Top of Ground (Elev, above sea level) From To

	From (Feet)	To (Feet)	Charles and A. S.	- 1
	0	28	Unconsolidated form-	
			ation, gravel- gravel	
	3		shale streaks	
	28	J.O	Shale to firmer shale	
			atreaks	
	40	600	Mte grey shales to	
			Hark grev strke and	
.	1		thenlayers of fossil streaks, Bentonite	
			streaks Bentonite	
			lavors	
	_600	692	Shale with sendstone	
1			ntrod n money	
2	692	723	Hard dark shale. Dits	
			of sandstone, than	
			Bentonite streaks	
	723	770	Shale tight gray sand	
•	270	780.1	line grev sandstone	
			with calcarous lens	
	780_	789	Grey sendstone, good	
			peresity Hat flow	
			First Cat Creek Sand	
	789	830_	Sandstone layers	*
			Black shale streaks	
20.25	<u> 830</u>	833	Red clay Top of Koote	mi.
.	833	879_	Red clay and re d	
			shale.chert strks	
16	879	915	Lime shale and red	
نيد			siltstone	
	915.	960	Grey to white sand	,
=			2nd Cat Creeek Sand	
	960	965	Red_claystone	
_	9651	005	Black shale streaks	٦,
المنا			thin limestone strks	
1. 1	1005	1026	Quartz sandstone	
_			with lime matrix	- 1
	1026	1080	Red clay chunky	
			ealcerous shale and	
			lime strks	
	1080	1103	Limestone, some fine	
_			cucer sand crains	:
			rop of 3rd Cat Creek	
t.*	_1103	112	O Id me	-
٠,*			<u> </u>	,
te,	1350	1130	Limey sand	
ng	1180	1140	Limey sand	
74	1110	1150	Line :	
_			l'	
•	1150	1165	Sugar sand (HgD) flow	
	1165.	1190	Balt and neoner saud	
HP			(good porosity)	
ıg,	1100	1216	Shale lime few spec	ķέ.
			hydrecarbon	•
n	1210	-1219	-Sand-time limey base	
••••	1215	1230	Send otrks & liney	
			-shele	
••••	1230	1240	Salt & papper sand	
			tito) siltstone ley-	
			CZ S	.7
	1240	-1260	Selt-w-popper sand	
ĺ			(good percelt;) in-	
ļ			-crease-in-H2O-flow-	

fair porosity Show exact depth of bottom et 1264 specks of Hydro carbon (coal) 1268 1270 Coal & silty sand T.D.
TCP of HUMLIGH 50,880

322 87472 Lewis Bros

STATE OF MONTANA, County of Petroleum, Filed JUL 10 1972

December 6, 1972

Mrs. Orene Barbee Director of Records County of Petroleum Winnett, Montana 59087

Dear Mrs. Barbee:

This is in response to the attached form letter, and Notice of Completion of Groundwater Appropriation By Means of Well form filed by the Lewis Brothers of Grass Range, Montana on July 10, 1972 at 9:00 AM, document number #322 - 27472.

The form letter that we sent to the Lewis Brothers stated:

"Please check the well location! T. 16 N. R. 23 E, is located in Fergus County and not Petroleum County as indicated. If the well is located in Fergus County, the appropriation should be filed in that county."

You responded with the following after Mr. Lewis had visited your office:

"Mr. Lewis was in my office and informed that the Section number **bb** this well is wrong. It should be Sec. 19 which lies in Petroleum County. Would you please advise me what procedures to take to change this."

According to what you have stated above, Mr. Lewis' well is located in Section 19, Township 16 North, Range 23 East. This location is still in Fergus County and not Petroleum County. Changing the section number from 23 to 19 has not taken the well location nut of Fergus County. Please refer to the enclosed xerox copy of a map showing a portion of Fergus County. The heavy black line represents the eastern and southern boundary of that portion of Fergus County. Sections 19 and 23, Township 16.North, Range 23 East are indicated in red.

It may be necessary to contact Mr. Lewis and recheck the location.

Any changes made on the original filing, such as the change of the section, would be done by means of an affidavit. We do not have any rules or regulations setting forth the manner in which original forms may be changed. As long as you are satisfied that the change is properly done and recorded, it should be okay.

7	Remarks: (Gravel packing, cementing, packers, type of shutoff)	وخت	1-2-2-		<u> </u>	# :
7. 10 (N)R ~3 (E)	دربا <u>ا ۱۵۵۱ تاریک</u>					j
indicate location of well an	•	1 -5-				=
EACH SMALL SQUARE REPRESENTS Driller's Signature	40 ACRES.		200			1
Driller's Address) <u>,</u>	ize	220	-		<u>- </u>
t 1201, 6 0.2	LICENSE NO	1.0 T	7 <u>ن</u> در ا	*Show ext	act depth of bottom	n

s. Orene Barbee cember 6, 1972 ge 2

We would like to be notified of any changes made on originals so our records can also be kept current and accurate. Please find enclosed two copies of the pamphlet, Appropriation and Regulation of Groundwater for use in your office.

If we can be of further assistance in this matter, please feel free to contact us at any time.

Sincerely,

Ronald J. Guse Groundwater Rights Coordinator WATER RESOURCES DIVISION

RJG/1k

Enclosures (4)

cc: Lewis Brothers Grass Range, Montana 59032

つ	s	Remarks: (Gravel packing, cementing, packers, type of shutoff)	2273	-2		
	T. 10 NR E	College 1701 U-10xx				
į.	INDICATE LOCATION OF WELL AN EACH SMALL SQUARE REPRESENTS	40 ACRES.				
	Driller's Address	LICENSE NO 2	ize	120	*Show exact o	depth of bottom

50,880

Natural Resources and Conservation Sources Division Reering Bureau Section Sam W. Mitchell Building Helena, Montana 59601

Owner Le	wis Bro	the	rs		er e
Address G	rass Ra	nge	MT	590:	32
Location_	T.16N	<u>R.</u>	23E	Sec.	23
Doc. No.	322-27	472			

As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

Special Instructions:

Please check the well location! T. 16 N, Range 23 E is located in Fergus County and not Petroleum County as indicated. If the well is located in Fergus County the appropriation should be filed in that county.

Thank you.

Dear Sirs:

Mr. Lewis was in my office and informed that the Section number on this well is wrong. It should be Sec. 19 which lies in Petroleum County.

Orene Barber

Would you please advise me what procedures to take to change this.

12-3 7/8 42-9, 10 12 10 10	1 · 1			from along absolute and the second	•
N N	Static water levelft.* Pumping water levelft.* Pumping water levelft.* atgallons per minute, measuredminutes after pumping began12 tosinct_tn5		110	6, 6, 3, 0, 0, 0 00, 0, 0, 0, 0, 0, 0, 0, 0, 0,	
W	began 12 12 514 514 25 *Measured from ground level. Well developed by 12 12 12 13 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15	بتيت			: : ::E
	درنا- <u>ن ۱۲</u> ۵۱ تمویدی				
INDICATE LOCATION OF WELL AN EACH SMALL SQUARE REPRESENTS Driller's Signature	40 ACRES.		-2#5		
Driller's Address	e, cutana	izes	120		

LICENSE NO 2

"Show exact depth of bottom

t 120% & CAS OF AGAIN OUT SA

50,580

JUL 1-1 1972.

County etroleum

DRILLER'S LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

ATER

AND CO

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

•	Chapter 237				-		1	Ground	(Elev. above sea level)
by the ow	to be prepared well is loca	e County	Clerk and	d Recorder	in the cour	filed aty in	From (Feet)	To (Feet)	
which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the									and on covol- a v
form may	be returned.								nining rings.
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Owner		22.4		For Admi	inistrator's U	se		<u> </u>	
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Date well	started_upc	111.2 1 ,	ا ب <i>ـ بـ 7</i> (را1.	3W 1	*****************			اخين	The second secon
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Type of w	ellarj.j.j	نانسا							
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quipment	usedct	S.A.Y	(C	hurn drill, rotal	ry or other)		.4-6-4-		200
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Ind	ustrial 📋	Drainage	e 🔲 Otl	her □*	Garden/Lav	מא 🔲		30	Constitution of the Trans
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and a	Addition)						_نــــنـــــــــــــــــــــــــــــــ	2.2	1 4 2 3 4 1 1 1 1 2 2 2 2 1 1 2 3 1 1 2 3 1 1 1 1
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	ddress	ng rave fi	i i e	LLESUA	• ;				

File No. 2/5

DUPLICATE

County.....

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

DEC 30 1963

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

(Name of Appro		(Address)	(Town)
County of Petroleum		State of Montana	
have appropriated groundwater	according to the Mont	ana laws in effect prior to Jan	uary 1, 1962, as follows:
N			
	2. The benefi	cial use on which the claim is bas	eđ
X	livest	ook, irrigation and	-household-use
		proximate date of excliest benef	•
	—× Well Well	irilled in September	1772
	1		
	1	nt of groundwater claimed (in	-
) 43 Gallons per min ler use about five ga	
S	5. If used for to which	r irrigation, give the acreage as water has been applied and n the owners in NWINE	nd description of the lands ame of the owner thereof
U 14 NE Sec. 20 T/6 R24	Twp.]	6 N. Range 24 East,	in Petroleum Co
-		la, about eight acres	
dicate point of appropriation d place of use, if possible. Each		-, about etaut acter	
nall square represents 10 acres.		of withdrawing such water from	_
	tion of eac	h well or other means of withdra in artesian flow	wal
	I.T. 18 °		
. The date of commencement drawal of groundwater Con	*************	***************************************	***************************************
The depth of water table11	and completion of the commenced in Sept. 1	onstruction of the well, wells, 1952 and completed th	or other works for with- at month
The depth of water table	and completion of the commenced in Sept. 1 60 Feet. c, the type, size and deproundwater. Casing.	onstruction of the well, wells, 1952 and completed the period of the general is two inch size at 1964 about 20 days about five gal	or other works for withat month specifications of any other full depth nute irrigating per year, other use
. The depth of water table	and completion of the commenced in Sept. 1 60 Feet. c, the type, size and deproundwater. Casing.	onstruction of the well, wells, 1952 and completed the period of the general is two inch size at 1964 about 20 days about five gal	or other works for withat month specifications of any other full depth nute irrigating per year, other use
The depth of water table	and completion of the comenced in Sept. 1 60 Feet. c, the type, size and deproundwater. Casing and deproundwater withdrawn each ered in the drilling of each case of the complete control of the control o	onstruction of the well, wells, 1952 and completed the period of the general is two inch size at 43 Gals. per minus about 20 days about five gal ach well if available.	or other works for withat month specifications of any other full depth nute irrigating per year, other use lons per minute all
The depth of water table	and completion of the comenced in Sept. 1 60 Feet. c, the type, size and deproundwater. Casing and deproundwater withdrawn each ered in the drilling of each case of the complete control of the control o	onstruction of the well, wells, 1952 and completed the oth of each well or the general is two inch size at 43 Gals. per min year about 20 days about five galuch well if available.	or other works for withat month specifications of any other full depth nute irrigating per year, other use lons per minute al
The depth of water table	and completion of the comenced in Sept. 1 60 Feet. c, the type, size and deproundwater Casing and a countwater withdrawn each ered in the drilling of each water come similar nature as may be any county record.	onstruction of the well, wells, 1952 and completed the 1952 and completed the 1952 and completed the 1952 and completed the 1952 and completed the 1952 and complete the 1952 an	or other works for withat month specifications of any other full depth nute irrigating per year, other use lons per minute all years.
The depth of water table	and completion of the commenced in Sept. 1 60 Feet. c, the type, size and deproundwater. Casing and a countwater withdrawn each ered in the drilling of each water comesimilar nature as may be any county record.	onstruction of the well, wells, 1952 and completed the 1952 and completed the 1952 and completed the 1952 and completed the 1952 and completed the 1952 and 1952 at 19	or other works for withat month specifications of any other full depth nute irrigating per year, other use lons per minute all years with the set of the
The depth of water table	and completion of the commenced in Sept. 1 60 Feet. c, the type, size and deroundwater. Casing and a countwater withdrawn each ered in the drilling of each water comesimilar nature as may be any county record.	onstruction of the well, wells, 1952 and completed the 1952 and completed the 1952 and completed the 1952 and completed the 1952 and completed the 1952 and completed the 1952 and 1952	or other works for withat month specifications of any other full depth nute irrigating per year, other use lons per minute all years with the set of this act, including doubt if he

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. 15501

County of Tensor 1963

Logicty

CVIII 1

File No. 214

T.....16 R 24

DUPLICATE

County....Petroleum...

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DEC 30 1963

STALE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

	Date of Appropriation of Groundwater About 1954
	David W. Lewis and Owner William W. Lewis Address Grass Range, Mont,
	Contractor (if any)
	Address of Contractor We have done the work
	Date Started1954 Date Completed1962
N	Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to
	water when applicablesub-irrigation
	Built dikes, which raised water level,
v mollip via	and sub-irrigation
20	12/1
	Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermit-
_ ,	tent estimate approximate lengths of periods of use
ndicate point of appropriation	all plants would take , built dikes and
nd place of use, if possible.	raising water level, which creates sub-irriga- tion
shown above	3101
	Signature of Owner David W. Lewis and William W. Lewis
	DateDec. 27,1963

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

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

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

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

STATE OF MONTANA, County of Metroleum, (55.

Filed—DEC 3 0 1968—19_M.

Mt 13: 35 not A.M.

First of Flocords

Tel: 2.2 Deputy

Form No. 18 8-60

T. 16 N R. 24 E
County /F#T##/ Petroleum
MONTANA BUREAU OF MINES AND GEOLOGYD ECEIVED Butte, Montana
WATER WELL LOG STATE ENGINEER
* Owner Earl H. Bassett Address Grass Range, Montana Driller Wellman & Munson Drlg. Co. Address Grass Range, Montana Date Started Sept. 1, 1961 Date Completed Sept. 26, 1961 Location: Sec. 28 T. 16 N R. 24 E 4 sec. NE4 Of NE4
Type of well Drilled Equipment used Rotary (Dug, driven, bored, or drilled) (Churn, drill, rotar, other)
Water use: Domestic Municipal Stock X Irrigation
Industrial Drainage Other
Casing: 0 ft. to 17 ft. Type Steel, 171b. Size 7&5/8
Casing: 0 ft. to 970 ft. Type Steel, 11 lb. Size 4 & 1/2 0. D.
Casing:ft. toft. TypeSize
Perforated or Screened: Ft. to ft. Ft. to ft. to ft.
Type of screen or perforations
Static Water level, for non-flowing well:feet.
Shut-in pressure, for flowing well: Approx. 40 lb./sq. in. on: Sept. 26, 1961
Pumping water level feet at gal. per min. Six
How tested:
Length of test
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
Halliburton shoe at 970 ft. Cemented with Halliburton - 48 sks.
(over)

Log of Well

Depth, From	feet To	Description of Material Drilled
11011	±0	Description of Material Differ
0	675	Black shale with alternating Bentonite layers
675	775	Sandy shale, shaly sand, hard white sand
775	835	Red clay, red shales
835	918	Black shales with sand and lime streaks
918	930	Benetic sand soft
930	970	Sandy shale, hard lime layers
970	1090	Sandy shale and hard lime layers
1090	1134	Sand soft - Good Porosity (water flowed)
1134	1140	Black shale T. D.
	···········	
1		
		
		
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- 		OF MONIFAN of Porreleisa of Joseph Janus R. Merten County b
		County
	<u> </u>	
		Descure Con To The Control of the Co

3 GW 2 Revised 1969

ROV 5 1972

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE

MONTANA WATER RESOURCES BOARD CONTAINS DEPARTMENT OF IT APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

LICENSE NO......

Indicate	the	charac	ter, c	olor,	thick-
" ness of	strata	such a	s soil,	clay,	sand,
gravel,	shale,	sands	tone,	etc.	Show
depth a	t whi	ch wat	er is	found	l and
height t	o whi	ch wa	ter ris	es in	well.

DRILLER'S LOG

(Under (- Chapter 237	/ Montana	Session	Laws, 1961	, as amend	ded)	Top of	Groun	d (Eley, above sea level)	
This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.								To (Feet)		
Please ansv	wer all ques	stions. If			 					
form may	be returned	l <u>.</u>			 -					
Owner //) ::	Lusaki	Les							
Address	61001	2		ile#.326	12155	0				
	Ponta	11.12		Noz. 3,19	12 11:20	?a <i>im</i> .				
Date well	started //	ne.15,	1953	эw 1	•••••					
com	pleted	141,0	1953							
Type of we	11. <i>De 1</i> .	lled		***************************************	***************************************					
Equipment	used II.	fury	(Du	g, driven, bored	or drilled)					
Water Use:	Domestic	☑ Mu	nicipal 🔲	Stock D	ry or other) 3 Irrigati					
	ustrial 🔲 🗆	i	1							
USE: If use	ed for irrig	gation, inc	dustrial, c	drainage or	other. Ex	olain.				
	number of Addition)									:
										:
Size of Drilled	ANNUAL \	From	To (Feet)							
Drilled Hole	Size and Weight of Casing	(Fcet)	(Feet)	Kind	From	To				
				Size	(Feet)	(Feet)				
						Į				
i			ļ		 					:
			Ì	j]					
					<u> </u>					:
T	א	, ,	Stati	c water lev	rel <i>Flo.us</i>	100 ft.*				
	- 1		Pum	ping water	level	<i>⊆</i> ft.*				
					gallons p					
w		<u> </u>	beg	an.						
"			"/VIE		n ground le					
		<u> </u>	for .	······································	.hours.					
	j				Pump el packing,					
<u> </u>	s	<u> </u>	pack	ers, type o	f shutoff)					
SE 16	5 Eu ca	. 24	RADIL	15.11)60	113 10 10	1.12				
T/.6.	.5.E./4 Se NR S	74(E) 2	Al A IN	1.11.11.6					
	S LOCATION									
EACH SMA	LL SQUARE	REPRESE	NTS 40 A	CRES.	-					
Driller's Sig	nature)	7. A.	CAL	tro		•••••				
Driller's Ad	dress									
				LICENSE	NO		-121	يع.	Show exact depth of bottom	

Nenny huebke 27550

STATE OF MONTANA, County of Petroleum, Filed NOV 3 1972

GRO	UNDI	NATE	R IN	DEX

Page of

County Petro leum

Twp. / K

Rge. <u>25ど</u>

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
7	Skibby, E.J.	Well 109	17596	
2	17 Edward J.	6 WH	20030	
2		6 W #	20031	
7	17 17 19	GWH	20033	
9	Doyce, Don Be	Well 109	18768	
21	Skibby, Ed. De	41211	19395	
11	" Edward J.	6 VH	20032	
18	Doyoe, Don	We # 109	19866	
20	Welker Laura	11 _ 19	19916	
20	milken Ear	6202	27493	
23	" Laura	Well 109	19918	
32	Walker, Earl	1 11	19917	
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	•	-	. —	r 16 n	_R 25 E	
DECEIVE	<u> </u>		•	CountyP	etroleum	
M JUN 2 1959	MONTANA BI	UREAU OF M Butte, Mon	INES AND	GEOLOGY		
STATE ENGIN	EER	WATER WE	LL LOG		•	
x	Owner E. J.	Skibby		Address	Lewistown,	Montana
	Driller W. L.	Livingston	1	Address!	Winnett, M	ontana
	Date StartedMay.	8, 1959		Date Com	pleted May 2	6 , 1 95 9
	Location: Sec1	_T 16 N	_R 25 E ,	4 sec. NE 4-1	nw <u>ā</u>	
Type of Well I	ha î î het	Ean	inment used	Rotary		
Type of wellI	(Dug, driven, bored, or dr	rilled)	apment asca	(Churn	drill, rotary, other	·)
Water use: Domestic	Mun	icipal .	Stock	X	Irrigation	_
Industrial	Dra	inage	Other:	***************************************		
Casing: Ground le	7 61 to 760	ft. Type	read and	cougled	4多0, D. 9計#	
Casing:	f ï. to	ft. Type		Size		***************************************
Casing:	ft. to	ft. Type		Size		
Perforated or Screened	: Ft. 722	to ft 760	Ft		to ft	•••••
Type of screen or perfor	ations Slot per	rforstions			***************************************	*****************
Static Water lovel, for n	on-flowing well:					feet.
Shut-in pressure, for flo	wing well:		.lb./sq. in. on:	••••••	······	
Pumping water level						
How tested: Art				_	-	
				***************************************		***************************************
Length of test						******************
Remarks: (Gravel pac						on ton-
		***************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,,,,	->
	***************************************	• • • • • • • • • • • • • • • • • • • •		******************	***************************************	•••••••
***************************************	***************************************	••••••••••				*******************************

(over)

		Log of Well
	n, feet	Description of Material Drilled ground level.
From	To	
8	75	Surface soil, gravel and loose brown sand
26 26	0	Grey and black shale and bentonite
260	350	bluish black shale and hard sand streaks, some lime
350	360	Hard course sand
350	388	Sandy shale and hard sand streaks
388	415	Hard sand
415	430	Black shale and bentonite, some sandy streaks
430	530	Red and grey shale, bentonite, and hard sand streaks
530	550	White chalky shale and red shale
550	630	Grey shale, soft salt and pepper sand, some red shale
610	646	Quartz, hard sand, igineous rock, grey shale and tan dolomite
646	705	Hard sandy lime, red and grey shale
705	73.0	Whitish grey and red shale
710	715	Fine grained sand (medium soft)
715	717	Soft white clay and sand
717	724	Red and grey shele, some sand streaks
724	758 S	Soft, course, dard salt and pepper sand(3rd C. C.)
758	763	sandy shale (Bottom)
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		Printe de la constant
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in Nin

G	-Helena Independent Record
File	No. T. 16. N. R. 25. E.
DU	PLICATE County Petroleum
	STATE OF MONTANAN GINEER
	ADMINISTRATOR OF GROUNDWATER CODE DECEIVED
	OFFICE OF STATE ENGINEER
	Declaration of Vested Groundwater Rights
	(Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER
1,	Edward J. Skibby of Box 123 Lewistown (Name of Appropriator) (Address) (Town)
	County of Fergus State of Montana. have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as fol-
• •	lows:
77	N 2. The beneficial use on which the claim is based
	2. The beneficial use on which the claim is based Livestock and Trigation
_	3. Date or approximate date of earliest beneficial use; and how con-
. _	tinuous the use has been Earliest use, May 26, 1959, this well has
w -	been used constantly since that date for Livestock and Irrigation
-	4. The amount of groundwater claimed (in mine.'s inches or gallons
-	per minute) 70 gals. per. minute.
-	5. If used for irrigation, give the acreage and description of the
_	s lands to which water has been applied and name of the owner
1 1977	LONG ANDAL DIE KANDALAL SIET DES
•	dicate point of appropriation
an	d place of use, if possible. 6. The means of withdrawing such water from the ground and the
	ch small square represents 10 location of each well or other means of withdrawal
	This well is flowing thru a 43" casing at a rate of 70 gals. per minute at 45 lbs. pressur
7.	The date of commencement and completion of the construction of the well, wells, or other works for with- drawal of groundwater Well commenced about May 5, 1959 and completed May 26,
	1959
8.	The depth of water table 722 ft.
9.	
<i>3</i> .	other works for the withdrawal of groundwaterdepthofwell760.ftflowingthru
	42" casing from 3rd ant Greek and.
10.	The estimated amount of groundwater withdrawn each year 15.768,000
11.	The log of formations encountered in the drilling of each well if available O ft to 3.50ft sand gravel
	The log of formations encountered in the drilling of each well if available 0 ft. to 350ftsand gravel 350 ft. to 415 ft, course hard sand, 415ft to 610 ft, black red, white Shale610 ft to 715 ft, sands, 715 ft, to 760 ft red and grey shale bottom sandy shale.
	bottom sandy shale.
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
	A De XIBECO
	Signature of Owner Date 124 1964
	Date #24 1 96 4
Thre	ee copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is ted.

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. Sec. FEB 9 1962

Volta R. Mesters

County Recorder.

Lina Daum

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GV.	New Ministra
DUI	PLICATE STATE OF MONTA FAGINEER County Petroleum
	ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER OFFICE OF STATE ENGINEER
	Declaration of Vested Groundwater Rights (Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER
1	Edward J. Skibby of Box I23 Lewistown (Name of Appropriator) (Address) (Town)
	County of Fergus State of Montana.
ূত্ৰ	have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:
Spar.	N . The heneficial use on which the claim is hered
~\[_	2. The beneficial use on which the claim is based Stock water and irrigation
_	3. Date or approximate date of earliest beneficial use; and how con-
]_	tinuous the use has been September 2, 1953 Continues flow for Stock and Irrigation
w -	E
-	4. The amount of groundwater claimed (in miner's inches or gallons
-	per minute) 75 gadlons per. minute
	s lands to which water has been applied and name of the owner
NW l	therepf Garden plot 200ft.X IOOft. NWt, NWt Sec 7, TI6 R25 Owner, Edward J. Skibb
	licate point of appropriation
	d place of use, if possible. 6. The means of withdrawing such water from the ground and the ch small square represents 10
	location of each well or other means of withdrawal This well is flowing, app. pressure at casing head, 1/5 lbs. per square inch.
7.	The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced about August 18th, Completed, September 3thd 1953.
8.	The depth of water table237. 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 depth of well, 303 feet, flowing. Size of casing, 4 3/4 inches, From 3rd Cat Greek each.
10.	The estimated amount of groundwater withdrawn each year
11.	The log of formations encountered in the drilling of each well if availableOft-II9ftgravel
	red and grey shale, various types of sand from II9 ft. to 299 ft. Bottom, 303 ft, Hard sand and Livie.
12.	Such other information of a similar nature as may be useful in carrying cut the policy of this act, including
	Water of a very soft nature, a temperature contact at well head, very suitable for Livestock and irrigation.
	Signature of Owner Co. Destry Date Feb. 1, 1962
	Date 724 / 96 E

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

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

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

1335.

County of Petroleum.

FNed_FEB 9 1962

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County Recorder.

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County Petroleum

ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

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

STATE ENGINEED

1		(Name	of Anaron	riator)	of Box 123 Lewistown (Town)	
	County of	f Fer	gus		State of Montana.	
125	have app	ropriated	groundwa	ter accordi	ng to the Montana laws in effect prior to January 1, 1962,	as fo
720	lows:			<i>t.</i>	•	
		N	,			
ÍГ	111	T		2.	The beneficial use on which the claim is basedLivestock Water	
- }-				C		•••••
-				3.	Date or approximate date of earliest beneficial use; and ho	w con
1		1 1			tinuous the use has been Sarliest use Septem	oer
[10, 1956, this well has been in use significant the second	
w -	14		- '	B .		••••
]-				4.	The amount of groundwater claimed (in miner's inches or	gallon
					per minute) 15 gals. per. minute.	
- 1				•	F	
Ļ		<u>'</u> '		5.	If used for irrigation, give the acreage and description lands to which water has been applied and name of the	of th
		Ū			thereof	
	lvel o	~ ~		:		
	-	-	.16. R25			
			propriation f possible.		The means of withdrawing such water from the ground of	- A+ I-
	u prace o	n use, i		0.	The means of withdrawing such water from the ground a	mu m
–Ea			presents 10		1	
	ch small seres.		presents 10		location of each well or other means of withdrawal	
ac	ch small seres.	quare re		and comple	This well is flowing at a rate of 15 gaper. minute thru a 41" assing.	ıls.
ас: 7.	tch small sores. The date drawal of	of comm	nencement a		This well is flowing at a rate of 15 gaper. minute thru a 44" assing. tion of the construction of the well, wells, or other works for about Sept Ist, completed lept. 16th.	ls.
ac	The date drawal of	of comm f ground	nencement : water Co	65 feet	This well is flowing at a rate of 15 gaper. minute thru a 44" assing. tion of the construction of the well, wells, or other works for about Sept Ist, completed lept. 16th.	r with
7.	The date drawal of The depth So far as other wor 42" Ca	of comm f ground h of wate it may b rks for the	nencement awater Co water Co er table	65 feet the type, s val of groun and Cat	This well is flowing at a rate of 15 gaper. minute thru a 44" assing. tion of the construction of the well, wells, or other works for about Sept Ist, completed lept. 16th. size and depth of each well or the general specifications and a septh of well, 96 feet, flowing Creek sand.	r with
7. 8. 9.	The date drawal of The depth So far as other wor 4th ca	of comm f ground h of wate it may b rks for the sing f	er tablee available one withdray rom sec	the type, s val of groun ond Cat.	This well is flowing at a rate of 15 get per. minute thru a 44" assing. tion of the construction of the well, wells, or other works for about Sept Ist, completed lept. 16th. size and depth of each well or the general specifications individually and septh of well, 96 feet, flowing. Creek sand.	r with
7. 8. 9.	The date drawal of The depth So far as other wor 4th ca	of comm f ground h of wate it may b rks for the sing f	er tablee available one withdray rom sec	the type, s val of groun ond Cat.	This well is flowing at a rate of 15 get per. minute thru a 44" assing. tion of the construction of the well, wells, or other works for about Sept Ist, completed Lept. 16th. size and depth of each well or the general specifications and a septh of well, 96 feet, flowing. Creek sand.	r with
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7. 8. 9.	The date drawal of The depth So far as other wor 4th ca	of comm f ground h of wate it may b rks for the sing f	er tablee available one withdray rom sec	the type, s val of groun ond Cat.	This well is flowing at a rate of 15 get per. minute thru a 44" assing. tion of the construction of the well, wells, or other works for about Sept Ist, completed lept. 16th. size and depth of each well or the general specifications individually and septh of well, 96 feet, flowing. Creek sand.	r with
7. 8. 9.	The date drawal of The depth So far as other wor 4.2" Ca	of comm f ground h of wate it may b rks for th sing f	er table er table er withdray rom sec	the type, syal of ground Cat.	This well is flowing at a rate of 15 get per. minute thru a 44" assing. tion of the construction of the well, wells, or other works for about Sept Ist, completed sept. 16th. size and depth of each well or the general specifications andwater depth of well, 96 feet, flowing. Creek sand. withdrawn each year 9884,000 e drilling of each well if available Not available	r with
7. 8. 9.	The date drawal of The depth So far as other wor 4.2" Ca	of comm f ground n of wate it may b rks for th sing f	er table er table er withdray rom sec	the type, syal of ground Cat.	This well is flowing at a rate of 15 get per. minute thru a 44" assing. tion of the construction of the well, wells, or other works for about Sept Ist, completed lept. 16th. size and depth of each well or the general specifications individually and septh of well, 96 feet, flowing. Creek sand.	r with

located.

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

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

#142-

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County County MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG

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	Owner Min.	3 <u>. 1207130</u> .		***************************************				•••••
	Driller 259	singaten	addate.	·····	Address	mett, k	a) Cana	·
	Date Started	designati	12, 1960	·	Date Comp	leted	20 ₉	1960
	Location: Sec.		r.16 N R	.25.E ¼ se	ec. S. E			•••••
ype of well	(Dug, driven, bore	d, or drilled)	Equipm	ent used	(Churn	drill, rotary, other	r)	•••••
Water use: Domestic		· Municipal		Stock [Irrigation		
Industrial		Drainage		Other:				•••••
asing:	ft. to 950	ft.	Туре	Č	Size	0. D.	·····	
asing:					Size			
asing:	ft. to	ft.	Туре		Size			
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How tested:		•			,	ber um	***************************************	*******
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County 1960

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG

	Owner. Out.) Octob		bbA		and the second s
	Driller 2.2	eingsten	Hateto	Addı	ess.	, Process
	Date Started.		12, 1960	1	Completed	m et 20, 1960
pe of well	Location: Sec.			25E 14 sec. S		Andrew Area and a second
ater use: Domestic	makes programmed as a second or second of	d, or drilled)		Stock	(Churn drill, rotary Irrigation	
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sing:	ft. to		Type	Siz	3	
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atic Water level, for	non-flowing well	, in				
ut-in pressure, for f						
mping water level w tested:		ing feet	atal, nen		gal. per min.	
ngth of test					*****	*************
	est at 881ft	in .			•	
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Log of Well

	, feet	Description of Material Drilled
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- 62		
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	949	
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360	30	Clast diale, sindy shale and clay
表 注 0	, 5 6-	Black shale, clay and hard litte and send strocks
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372	ga y	Bord sharp send and sandy abute
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	- 434 -	The state of the s
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<u> </u>	700	Glay, shale, hired liney soud
	720	Soften out: correc sand and hard liney and
730	750	High brains and one wight orch
750 763	763 770	gote time same any surface maps sight of st
770	775	1001100 Course cole picon and sure count con and prope
	# # 3	abelo with hard liner acad
11.3	<u> </u>	mara come, surey time and decrease and red chale
the second	600	this stor and only
Strategy of the Control of the Contr	C.7.37	Soft finan sand- area red shois, benemite and gray old
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		De con Z
		TANA, Jan. Jiena. 19 en. 19 en. 19 Deputy Deputy
		M. 19 6
		Deputy.

Log of Well

nehmi	, feet	Description of Matanial Duilland
From	То	Description of Material Drilled
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27	100	come when and ones black and approved
40.00	9 40 10	gray play and core black and gray state
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275	300	Signi shale, sundy shalo and bontonito
305	340	Shale, benemite a medium hard where send
360	360	Mook shale, bostonite, sley and sand
350	630	Clock minic, comby shale and olay
1,30	1.50	Black shale, clay and hard line and send stroaks
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671	14023	A transport of the street of t
102	490	Blank shale, elevate beed the sound line
14 T V	350	Black shale, olay- streets herd ten soudy line lied time sand and shale
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630	610	Apor attack alar, sed, seem and black shold
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200	720	army and a record line of the
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695	690 -95 916	mark need, sundy lies and gray and rod shalo white clay and shale thite clayish cond and some fine medica hard cand soft fines sand- seen rod shale, bentonite and gray clay
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970 610	990 990 990	Mark mans, surely time and groy and rul shalo white clay and shale white clay and shale and fine medica term and soft fines same access red shale, bentonite and grey clay bels and line
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970 610	990 990 990	Shito clay and shale and see fine modify that said state of the said said said said said said said said
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940 640	990 930 930	Soft lines sand- seem red shale, bentonite and grey classic and line County of Petrolena. Soft sait and poster and shale, bentonite and grey classic and sait line County Recorder Deputy
910	990 930 930	Soft lines sand- seem red shale, bentonite and grey classic and line County of Petrolena. Soft sait and poster and shale, bentonite and grey classic and sait line County Recorder Deputy
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