T. 15N R 29I

County Petroleum

Charles Lease Well #2

STATE ENGINEER

Butte, Montana

		WATER	WELL LOG		
X	Owner	tinental Oil C). D•	Address Box 878, Powell	l. Wyo.
	Driller			Address	
	Date Started	Unknown	······································	Date Completed 4-18-2	<u>L</u> '
	Location: Sec	21 T 1	N R 29E 1/4	secNH 35 NE NW	
Type of well	Drilled (Dug, driven, bor	ed, or drilled)	Equipment used	Cable Tool (Churn drill, rotary, other)	
Water use: Domest	ie 🔲	Municipal	Stock	Irrigation]
Industri	ial A	Drainage	Other:	leter Flood	
Casing: Surface	ft. to 1000	ft. Typ	pe	Size 10 ⁿ	
Casing:	ft. to	ft. Typ	De	Size	••
Casing:	ft. to	ft. Typ	De	Size	
Perforated or Screen	ned: Ft	to ft	77t	to ft	************
Type of screen or per	forations Oper	hole	***************************************		
Static Water level, fo	or non-flowing wel	1:	•••••••		feet.
Shut-in pressure, for	flowing well:		lb./sq. in. on:		
Pumping water level	1000	feet at	2465 BW/Ho.	(date) gal. per mingal.	
• •	خ رية				
•				***************************************	••••••
Remarks: (Gravel p					
Water to be use	d for water 11	ooding. At pr	esent well is p	roducing oil and water.	
•					
••••••					***************************************
***************************************	***************************************				***************************************
3 m	••••••		ver)		***************************************

Log of Well

Depth		Description of Material Drilled
From	То	
0	55	Black shale
55	60	Gravel (Water)
60	680	Black Shale
680	785	Graemish Shale
785	835	Water Sand
835	840	White Shale
840	855	Gray Shale
855	865	Red Shale
865	870	Blue Shale
870	910	Red Shale
910	920	Blue Shale
920	932	Red Shale
932	937	Blue Shale
937	985	Red Shale
985	1004	Sand
		·
		9:. o
1		
		Videock Count
<u> </u>	<u> </u>	
		n. 188 28 19 Recorder
		3 3 5 C

Continentaloido. 4.81

GROUNDWATER INDEX

Page ___of_

County Perfoleum Twp. 15N Rge. 30E

s	ec.	Name of Appropriator	Type of Form	County File No.	Remarks
2	7	Continental Oil Co.	wett log	# 26	
	7		11 11	27	
1	7	11	11 11	28	
	7	1, 1, 1,	11 "	29	
	7	11 11	11 11	30	
	7	11 11 4	11 11	3/	
	2/	Kimble Lyle	6 W Y	20312	
	7	Moss R. h.	6 W 24	20154	
	7/	11 11 41	11 11	20153	
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T			 	· 	

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T2 63 413 T	T15N
BECEIVED	County Petro Leur
MONTANA BUREAU OF MINES AN	Brown Lease, Well #17 ND GEOLOGY
STATE ENGINEER Butte, Montana	
WATER WELL LOG	
Owner Continental Oil Co.	Address Box 878, Powell, Wyoming
Driller	Address
Date Started 7-31-46	Date Completed 8-11-46
Location: Sec. 17. T. 15N. R. 30E	. 1/4 secSW.SE
Type of well	sed
	tock Irrigation
Industrial X Drainage Other	:
Casing: Surface ft. to 1450 ft. Type 14.1b	
Casing:ft. toft. Type	Size
Casing:ft. toft. Type	Size
Perforated or Screened: Ft to ft F	t to ft
Type of screen or perforationsOpen hole	
Static Water level, for non-flowing well:	feet.
Shut-in pressure, for flowing well:lb./sq. in.	on:
Pumping water level 1450 feet at .19,000 BW/M	(date)
How tested: Tank test	
Length of test	
Remarks: (Gravel packing, cementing, packers, type of shut-off, de	
Produced water to be used for water flooding. At pres	

(over)

Log of Well

Dep	th, feet	Description of Material Duilled
From	To	Description of Material Drilled
0	300	Shale and gravel
300	820	Shale
820	835	Sand
835	920	Shale
920	970	Sand
970	1030	Shale and bentonite
1030	1090	Sand
1090	1150	Shale
11.50	1260	Sand (water)
1260	1290	Sandy shale
1290	1380	Sand and shale
1380	1400	Shale and bentonite
1400	1460	Shale and sand
1460	1475	Sand
	[
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	T 15N R 30E
DECEIVED	County. Petroleum
AUG 30 1957	Brown Lease, Well #15
MONTANA BUREAU OF MINES A STATE ENGINEER Butte, Montana	ND GEOLOGY
WATER WELL LOG	}
Owner Continental Oil Co.	Address Box 878, Powell, Wyomin
Driller	Address
	Date Completed 4-23-46
	OE 14 sec. SE SE
Type of well	(Churn drill, rotary, other)
(bug, arven, bored, or drilled)	(Churn drill, rotary, other)
Water use: Domestic Municipal	Stock Irrigation
Industrial X Drainage Othe	er: Water flooding
Casing: Surface ft to 1400 ft. Type 14 1	b5!!
Casing:ft. toft. Type	Size
Casing:ft. Typeft.	Size
Perforated or Screened: Ft to ft to	Ft to ft
Type of screen or perforations Open hole	
Static Water level, for non-flowing well:	feet.
Shut-in pressure, for flowing well:lb./sq. in	
	(date)
Pumping water level 1400 feet at 110 BW/Mo.	,
How tested: Tank test	
Length of test	
Remarks: (Gravel packing, cementing, packers, type of shut-off,	- ·
Produced water to be used for water flooding. At pres	ent well is producing oil and water.

(over)

Log of Well

Dept	h, feet	Description of Material Drilled
From	To	Description of Material Drifted
0	908	Shale and gravel
908	980	Sand
980	1101	Gray shale
1101	1140	Red shale
1140	1180	Sand
1180	1195	Red and black shale
1195	1300	Sand (water)
1300	1395	Shale and bentonite
1395	1444	Shale and bentonite sandy
1444	1474	Sand
	<u> </u>	
	ļ	County of
· · · · · ·	<u> </u>	County 1
		County Reco
		chock A. M. County Recorder. Peputy.

Continental oil to.

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	T 15N R 30E
DECEIVED	County Petroleum
LN AUG 30 1957 LD	Brown Lease, Well #12
MONTANA BUREAU OF MINES AND STATE ENGINEER Butte, Montana	GEOLOGY
WATER WELL LOG	•
Owner Continental Cil Co.	Address Box 878, Powell, Wyoming
X Driller	Address
Date Started 2-17-46	Date Completed 3-4-46
Location: Sec. 17 T. 15N R 305	½ sec. Sh Sh
Type of well Equipment used (Dug, driven, bored, or drilled)	Rotary (Churn drill, rotary, other)
Water use: Domestic Municipal Stoc	k Irrigation
Industrial X Drainage Other:	Water flooding
	Size 7 th
	·
	Size
Casing:ft. toft. Type	Size
Perforated or Screened: Ft to ft Ft	to ft
Type of screen or perforations Open hole	
Static Water level, for non-flowing well:	feet.
Shut-in pressure, for flowing well:	1:
Pumping water level 1492 feet at 50 BW/Mo.	
How tested: Tank Test	
Length of test	<u>.</u>
Remarks: (Gravel packing, cementing, packers, type of shut-off, dept	th of shut-off)
Produced water to be used for water flooding. At present	nt well is producing oil and
water.	·····

(over)

Log of Well

Deptl	h, feet	Description of Material Drilled
From	То	Description of Material Diffied
0	650	Shale and shells
650	790	Dark gray shale
790	847	Light gray siltstone
847	894	Sand
894	1010	Light gray siltstone
1010	1070	Red shale
1070	1116	Varrigated shale
11176	1136	Sand
1136	1160	Varrigated shale
1160	1180	Light gray sandstone
1180	1216	Varrigated shale
1216	1236	Sand
1236	1290	White sandstone
1290	1430	Dark gray shale
1430	1485	Dark gray and green shale
1485	1495	Dark green shale
1495	1500	Light green shale
1500	1517	Sand F 3 4
1517	1525	Gray and black shale with streaks of sand
	<u> </u>	19 5 7 19 5 7

Continental oil b.

1 R 3 X

/	No. of Section 1989	•

RECEIVED
AUG 30 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOG
Owner Continental Oil Co. Address Box 876, Powell, Wyomir
Driller
Date Started Unknown Date Completed 12-20-45 Location: Sec. 17 T 15N R 30E 1/2 sec. SE SE
Type of well Drilled Equipment used Cable tools (Dug, driven, bored, or drilled) (Churn drill, rotary, other)
Water use: Domestic Municipal Stock Irrigation
Industrial X Drainage Other: Water flooding:
Casing: Surface ft to 1422 ft. Type 14 lb Size 5 1/2",
Casing:ft. toft. TypeSize
Casing:ft. toft. TypeSize
Perforated FFSGGGGGG: Ft. 1402 to ft. 1421 Ft. to ft.
Type of screen or perforations.
Static Water level, for non-flowing well:
Shut-in pressure, for flowing well: 1403 lb./sq. in. on: (date)
Pumping water levelfeet at 110 BW/No. gal, per min
How tested: Tank test
Length of test
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
Produced water to be used for water flooding. At present well is producing oil and water.
(over)

Log of Well

Dept	h, feet	Description of Makes at 1 Duilled
From	To	Description of Material Drilled
0	175	Shale, gravel and shells
175	780	Shale
780	804	Send
804	910	Shale
910	980	Send and shale
960	1030	Hed shale
L030	1080	Sand
r080	1120	Bentonite
1120	1170	Sand (water)
1170	1220	ltod sitale
1220	1230	Sand
1230	1270	Shale and sand
1270	1310	Sandy shale
1310	1367	Gray and red shale
1367	1410	Sand and shale
1410	1428	Sand
1428	1432	Sand and shale
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	T. 15N R 30E
DECEIVED	County Petroleum
MONTANA BUREAU OF MINES AN	Brown Lease, Well #4
STATE ENGINEER Butte, Montana	D GEOLOGI
WATER WELL LOG	
Owner Continental Oil Co.	Address Box 878, Powell, Wyoming
Driller	Address
Date Started 5-14-23	Date Completed 5 29-23
Location: Sec. 17 T. 15N R. 30E	14 sec. NE SE
Type of well Drilled Equipment use	d. Cable tools
(Dug, driven, bored, or drilled)	(Churn drill, rotary, other)
Water use: Domestic Municipal Sto	ock Irrigation
Industrial L Drainage Other:	Water flooding
Casing: Surface ft. to 1040 ft. Type 20 li	5 Size 6 5/8"
Casing:ft. Type	Size
Casing:ft. toft. Type	Size
Perforated SF SGREENE'd: Ft. 1064 to ft. 1084 Ft	to ft
Type of screen or perforations	
Static Water level, for non-flowing well:	feet.
Shut-in pressure, for flowing well:	on:(date)
Pumping water level 1064 feet at 20 BW/Mo.	·
How tested:	
Length of test.	
Remarks: (Gravel packing, cementing, packers, type of shut-off, de	pth of shut-off)
Produced water to be used for water flooding. At present	nt, well is producing oil and
water.	

(over)

Log of Well

Dept	h, feet	Description of Material Drilled
From	То	Description of Material Drined
0	20	Sand and gravel
20	780	Gray shale
780	862	Sandy shale
862	882	Sand
882	888	White shale
888	898	Sand
898	910	Sandy shale
910	1050	Green and red shale
1050	1062	Sandy shale
1062	1072	Sand
1072	1082	Sand
1062	1084	Sand
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		Tan County
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Ш	AUG	30	1957	(n)

County Petrolem Rroan Lease, Hall #3

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Continental Cil Co. Address Box 878, Posell, Myond
Driller
Date Started 9-22-22 Date Completed 10-13-22
Location: Sec. 17 T 15N R 39E 34 sec. NE SE
Drilled Cable tools
Type of well Cable tools (Dug. driven, bored, or drilled) Equipment used Cable tools (Churn drill, rotary, other)
Water use: Domestic Municipal Stock Irrigation
Industrial X Drainage Other: Mater flooding
Casing: Surface ft to 1055 ft. Type 24.1b Size 8.1/4"
Casing: Size.
Casing:ft. toft. TypeSize
Perforated @####################################
Type of screen or perforationsOpen. hole
Static Water level, for non-flowing well:
Shut-in pressure, for flowing well:lb./sq. in. on:
(date)
Pumping water level 1085 feet at 120 BW/Ha. gal. per min.
How tested: Tank Test
Length of test
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
roduced water to be used for water flooding. At present, well is producing oil and
eter.
·

(over)

Leg of Well

	ı, feet	Description of Material Drilled
From	То	Description of Material Direct
0	25	Gravel
25	70	Blue and gray shale
70	80	Bentonite
80	840	Blue and gray shale
840	855	Gritty chale
855	857	Shell
657	880	Sand (water)
880	917	Sand
917	926	Bentonite
926	950	Pink shale
950	985	Green shale
985	1065	Red and pink shale
1065	1070	Sand
1070	1085	Pink and red shale
1085	1069	Sondy shale
1089	1092	Oil sand
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4—Helena Indep	endent	Record

File No.....

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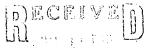
Flooring

T 15 N R 30 E

County Patroleum

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights



	(Under Chapte	r 237, Montana Session Laws, 1961)
1	Lyle Kimble	STATE ENGINEER
	(Name of Appropriator)	, of Cat Creek. (Town) State of Montana
	County of Fetroleum have appropriated groundwater accordi lows:	ng to the Montana laws in effect prior to January 1, 1962, as fol-
[2.	The beneficial use on which the claim is basedhousehold
}-	3.	Date or approximate date of earliest beneficial use; and how continuous the use has been 1921 Been in continuous
w	E	use since then on this place.
-	4.	The amount of groundwater claimed (in miner's inches or gallons per minute) 100 gal. per minute
t	5.	If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner
v 2S	₩¼ Sec. 2). T. 15 R. 30.	thereof used on 10 scres in Bec. 21 3.15 N. R. 30 EOwner Lyle Kimble
In	dicate point of appropriation d place of use, if possible. 6.	The means of withdrawing such water from the ground and the
	ich small square represents 10 res.	location of each well or other means of withdrawal artesionfree flowing.
7.	The date of commencement and completed drawal of groundwater	tion of the construction of the well, wells, or other works for with- rted and completed in 1921
8.	The depth of water table	rox. 1200 feat.
9.	other works for the withdrawal of groun	ize and depth of each well or the general specifications of any
10.	The estimated amount of groundwater	withdrawn each year
11.	The log of formations encountered in the	drilling of each well if available
12.		re as may be useful in carrying out the policy of this act, including y record
		Signature of Owner Syle Knible Date July 10, 1962
		Date July 10, 1962

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.

20312

STATE OF MONTANA. Ses.

County of Petroleum.

Filed July 10 1962

at 2:13 o'clock P. M.

Velma R. Merten

County Recorder.

Borny & County Depute.

W			Sign Sign Sign Sign Sign Sign Sign Sign	പെ ് ച
ile No		1	Company (18)	T.15 N. R. 30 E.
UPLICATE			(1)	County. Petroleum
0. 2.0.11 <u>D</u>		SI	PATE OF MONTANA	County
	ADM		TOR OF GROUNDWATER CODE	CONTRACTOR CONTRACTOR
		OFFIC	E OF STATE ENGINEER	DECEIVED
:				
•			Vested Groundwater Right	S . מראדר באומואירים
The second secon	(Unde	er Chapter	237, Montana Session Laws, 1961	STATE ENGINEER
• • • • • • • • • • • • • • • • • • •				
R. L. Moss, also	known as	Robert M	oss (Address)	Mosby
(Name of Garf)	r Appropris ield	ator)	(Address) State of Montana,	(Town)
nave appropriated g	groundwate	r accordin	g to the Montana laws in effect p	rior to January 1, 1962, as fol-
lows:				
N		2.	The beneficial use on which the c	laim is based Stock water
		3.	Date or approximate date of earlie	st beneficial use; and how con-
			tinuous the use has beenApprox	dmately April of 1923
8			and continuously thereafter	
	E			
[4.	The amount of groundwater claims	
┠╼┽╼┼╼┼╼┼╼┼	 		per minute) 10 gallons per m	
]	 			
	<u>i </u>	5.	If used for irrigation, give the a lands to which water has been ap	creage and description of the
S			thereofnot applicable	
45W4.N .4 Sec27 T1	CM D SAR		mereor xxxx apparations	
ndicate point of appro	-			•••••••••••••••••••••••••••••••••••••••
ind place of use, if	possible.	6.	The means of withdrawing such w	ater from the ground and the
Each small square repre	esents 10		location of each well or other mea	ns of withdrawal Free flow
icres.		artesian pump jad	n well until 1957; thereafter cksituate in NE corner of S	pumped with gas engine and gas engine a
. The date of commer	ncement an	d complet	ion of the construction of the well,	wells, or other works for with-
			l.completed.approximately.Apr	
. The depth of water	tableApp	roximate	ly 1000 feet to second Cat C	reek sand
. So far as it may be a	awailahla 4	he tune ci	ze and depth of each well or the	general specifications of any
other works for the thence into stoc	withdrawa k tank.	l of groun Water wi	dwater 1000 feet 2" casing di thdrawn since 1957 by means	scharging into 2" pipe, of gas engine and pump

**	***************************************			
The estimated amou	nt of grou	ndwater v	000,628,200 withdrawn each year	_gallons

Signature of Owner A J Moss

Date....January...3/..., 1962......

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......not.applicable

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.

151 D.R.M

20154

County of Petroleum.

o'clock T. M.
R. Mosten
County Recorder.

Deputy

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File	• No		,		T. 15 N. R. 30 E.
DU	PLICATE		1/00	PATE OF MONTANA	County Petroleum
			S	PATE OF MONTANA	
		ADMI	nistra Offic	TOR OF GROUNDWATER C E OF STATE ENGINEER	ODE DECEIVED
	<i>y</i> •	Declara	tion of	Vesied Groundwater i	11 SPR 2.3 1962 C
		(Under	Chapter	237, Montana Session Laws,	1961) STATE ENGINEER
				Moss	
1	R. L. Moss (Name of	Appropriat	wn as I	Robert/(Address)	Mosby (Town)
	nave appropriated g	1e1d roundwater	accordin	State of Mon ig to the Montana laws in eff	tana, ect prior to January 1, 1962, as fol-
	lows: .				
ſ	м	ж	2.		the claim is based
			3.	Date or approximate date of e	earliest beneficial use; and how con-
-				tinuous the use has beenI thereafter to date her	une, 1929, and continuously
w -		E			
-			4.	per minute) 10 gallons	laimed (in miner's inches or gallons
			5.	If used for irrigation, give t	the acreage and description of the
	S			lands to which water has be	en applied and name of the owner 30, No Section 29, Two, 15
ne ₄ r	WE 14.NE. Sec 31. T.1.	5N R.30E		North, Rge. 30 East, M.	P.M.—alloted grazing distric
In	dicate point of appro d place of use, if	priation	R		ich water from the ground and the
Ea	ich small square repre		0.		means of withdrawal Free flowin NW corner of NF-NE-NE- Sec
ac	res.			artesian well situate in 31, Twp. 15 North, Rge.	n NW corner of NE#NE#NE#, Sec 30 East, M.P.H.
7.	drawal of groundwar	terCom	nenced	and completed approximate	well, wells, or other works for with- bly in June of 1929.
_	•				
	-				
9.	other works for the sand flowing into	withdrawal 3° discha	of groun	dwater 1500 feet of 6" cape, thence into stock tank	the general specifications of any asing into third Cat Creek and across lands and
	***************************************		•••••		
					000 37
					,000 gallons
11.					bleunknown
12.	reference to book and	d page of an	y county	record not applicat	g out the policy of this act, including
			•••••		or A J MOSS
					So known as Robert Moss Date January 3 / 1962

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.

20153

150 1.A.M.

STATE OF MONTANA.

o'clock T

P. Merten.
County Recorder.

Denuta.

GROUNDWATER INDEX

County Potroloum Twp. 14N Rge. 25E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
6	Archen Dogne	Well 109	19071	
6	the transfer of the	11- 4	19072	
6	Anohon Le De	GWH	22335	
14	King, Jaca YEnns, Inc.		22355	
13	17 1/ 3, 14		22357	
18	Subulta Tod	Well log GWH Well log	90385	
23	King Joe O. a Song Ing.	GWH	22358	
23	l ' <u> </u>	Well 109	16006	
23		GWH	22336	
24	11 1/1 1/1 1/1 1/2	11 11	22361	
31	Degner william	1, "	22384	
35	Rogner, William King, Jose C. I Sens, Ire.	11 11	22362	
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County Petas (21201)

MONTANA BUREAU OF MINES AND GEOLOGY DECEMBED

WATER WELL LOG STATE ENGINEER
Owner Algarithm Address Algarithm Mon. Driller Address Ministry Mon. Date Started May 11, 958 Date Completed Jan 15, 1950 Location: Sec. T. 14 R 25 4 sec. ME NE.
Type of well (Churn drill, rotary, other) Type of well (Churn drill, rotary, other)
Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other: Casing: 1t. to 100 ft. Type Office Size 6
Casing:ft. toft. TypeSize
Casing:ft. toft TypeSize
Perforated or Screened: Ft. 32 to ft. 52 to ft. 10 to ft. 10
Type of screen or perforations \mathcal{Ll}_{i} .
Static Water level, for non-flowing well:feet.
Shut-in pressure, for flowing well:lb./sq. in. on:(date)
Pumping water level feet at gal. per min
How tested: Lackana
Length of test
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
(over)

Log of Well

Dept	h, feet	Description of Makes and Delivery
From	То	Description of Material Drilled
0	70	Maury shale with Linkstone - Hz
70	100	Colorado shale 1110
·····	<u> </u>	
	<u> </u>	
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		Course T
	of Petrole	
	County of Petrole	The state of the s
	il de	73

19071

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOG

1	Owner		Lindon	Addre	STATE EN	GNEER
	Driller		Language Comments of the Comme	Addre	88 / Le	infamilities
	Date Started	Ü.		J Date (Completed.	112 1953
				, ,	11.61,4	
Type of well	(Dug, driven, bored	, or drilled)	Equipment	used	Chum drill, rotary, of	her)
Water use: Domestic	X	Municipal]	Stock 🗵	Irrigation	
Industrial		Drainage [] ou)CT:	*********************************	**************************************
Casing:	.ft. to	n. 1	ype	Size	<u></u>	****************
Casing:	.1t. to	3t. 1	уре	∠ Size	<u>(</u>	
Casing:	ft. to	ft. 7	[ype	Size		*****************
Perforated or Screened	: Ft 1	to ft	271	Ft	to ft	
Type of screen or perfor	ations	•••••	*************************	***********************	*******************************	
Static Water level, for n	on-flowing well:	***************************************				feet.
Shut-in pressure, for flo	owing well:	***********	lb./sq. i	r. on:		**********************
					(date)	
Pumping water level						
How tested:	takaning in m	******************	****************	****************	**************	1 200 - 100 P 7 10 - 2 - 2 - 1 - 1 - 1 - 1 - 2 - 2
Length of test	1-12.	*********	***** *************	****************		
Remarks: (Gravel pac	king, cementing	, packers, typ	e of shut-off,	depth of shut	-off)	
***************************************	*************************	***********		******************	*************************	******************************
	•••••••			******************	14***,	*******************************
	***************			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	*******************************	**********************

*****	>	•••••		,	•••••	******
÷ ~			(over)			

Depth	. feet		
From	To	Description of Material Drilled	
<u></u>	3.5	Meny Stille and I having	
55	7.5	The Sold Sold	
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77-5	1-12	Colora de Marie	
ا ۱۰۰۰ سر	37.3	Liteta Sand Jane Har Office	3
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	County of Petrhena		
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19072

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File	No.	 194	<i>l.</i>	

Approved Stock Form-State Publishing Co., Helens, Montana-41921

T 14N R 25E

DUPLICATE

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE

Petroleum County ...

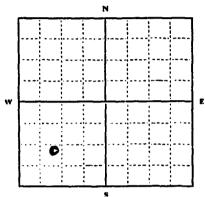
Declaration of Vested Groundwater Rights & FIVE/IVEEP

l. ,Ша <i>U</i> .а.	(Name			
County of have appropris	nted Kr	<u>ም</u> ያ	Y&HAP	accord

Teigen, Montana (Address) , of

Town)

State of Montana laws in effect propries January 1, 1962, as follows:



Lot 7 SW2SW24...... Sec. 6... T.14.. R25...

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based stock water house use and garden
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1957 drilled, used every day
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 20 gallons perminute in bottom
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof ...not.applicable, only garden spot irrigated
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal..... __pumped_out_by_pump_jack_with_electric-motor
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Nov.10,1957 started, completed in July 1958
- 8. The depth of water table........525...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

525 Ft deep, with six inch casing

- 10. The estimated amount of groundwater withdrawn each year --- 200 Gallons per day
- 11. The log of formations encountered in the drilling of each well if available...... 0 to 35 Ft maury shale used 8 In. casing to cement off bad water. 35 to 70 maury shale 75 to 525 colorado Shale 252 to 553 lakato sandstne Water
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner L. D. Acher Date 12-18-63

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. 11705

File no. 194/Bed 22335

STATE OF MONTHANA, County of Petrologya, Sm.

at 12: 40 o'choix P. 25.

74: 2. Doputy

•	1—Helena	Independent	Record
File	No	203	
DUP	LICATE	Ε	

T 14 M B	25-1	DO: 12
		•••••
County Pa	tivlean.	an./

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

DEC 30 1963

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

Joe C. King & Sons, Inc.		
(Name of Appropriator) County of Petroleum	(Address)	(Town)
have appropriated groundwater according	to the Montana laws in effect prior	r to January 1 1962 as fo
lows:	to the montana laws in circu pilo	1 to January 1, 1002, as 10
N		
	The beneficial use on which the claim	m is based .livestock
***	ater	
3 Т	Oate or approximate date of earliest 1	haneficial uses and how co
	inuous the use has been	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The amount of groundwater claimed	(in minor's inches or sollo
	-	•
	er minute)8 gal par minute	
5. Ii	f used for irrigation, give the acre	age and description of the
•	ands to which water has been appli	
	hereofnot applicable	
. 4 59子 Sec. 14. T14N R. 205		
dicate point of appropriation		
d place of use, if possible. 6. T	the means of withdrawing such wat	•
al 11 manuacanta 10		
	ocation of each well or other means	
The date of commencement and completion drawal of groundwaterdrilled and	of the construction of the well, we completed in summer of 1952	ells, or other works for with
The date of commencement and completion drawal of groundwaterdrilled and completion	n of the construction of the well, we ompleted in summer of 1952	ells, or other works for with
The date of commencement and completion drawal of groundwaterdrilled and .c. The depth of water table	windmill jump n of the construction of the well, we ompleted in summer of 1952	ells, or other works for with
The date of commencement and completion drawal of groundwater	on of the construction of the well, we completed in summer of 1952.	ells, or other works for with
The date of commencement and completion drawal of groundwaterdrilled and .c. The depth of water table	windmill nump n of the construction of the well, we completed in summer of 1952 e and depth of each well or the gewaterdrilled_well_with a 6	eneral specifications of an
The date of commencement and completion drawal of groundwater	windmill nump on of the construction of the well, we completed in summer of 1952 and depth of each well or the generate drilled well with a 6	ells, or other works for with
The date of commencement and completion drawal of groundwater	windmill nump on of the construction of the well, we completed in summer of 1952 e and depth of each well or the generate and depth a few ater drilled well with a few ater drilled well well with a few ater drilled well with a few ater drilled well well with a few ater drilled well with a few ater drilled well well with a few ater drilled well well well well well well well	eneral specifications of an
The date of commencement and completion drawal of groundwater	on of the construction of the well, we completed in summer of 1952.	eneral specifications of an
The date of commencement and completion drawal of groundwater	on of the construction of the well, we completed in summer of 1952.	eneral specifications of an
The date of commencement and completion drawal of groundwater drilled and completion. The depth of water table	on of the construction of the well, we completed in summer of 1952. e and depth of each well or the generater drilled well with a 6	eneral specifications of an
The date of commencement and completion drawal of groundwater	on of the construction of the well, we completed in summer of 1952	eneral specifications of an iron casing,
The date of commencement and completion drawal of groundwater drilled and completion. The depth of water table	on of the construction of the well, we completed in summer of 1952	eneral specifications of an iron casing,
The date of commencement and completion drawal of groundwater	on of the construction of the well, we completed in summer of 1952	ells, or other works for with eneral specifications of ar iron casing,
The date of commencement and completion drawal of groundwater	and depth of each well or the ge water drilled well with a 6	ells, or other works for with eneral specifications of an iron casing,
The date of commencement and completion drawal of groundwater	as may be useful in carrying out the	eneral specifications of an iron casing, O feet of surface
The date of commencement and completion drawal of groundwater	as may be useful in carrying out the	eneral specifications of an iron casing, O feet of surface
The date of commencement and completion drawal of groundwater	as may be useful in carrying out the	eneral specifications of an iron casing, O feet of surface
The date of commencement and completion drawal of groundwater	as may be useful in carrying out the record none.	eneral specifications of an iron casing, O feet of surface
The date of commencement and completion drawal of groundwater	as may be useful in carrying out the record none	eneral specifications of arm iron casing, O feet of surface e policy of this act, includir
The date of commencement and completion drawal of groundwater	as may be useful in carrying out the second none. JOE C Signature of Owner By: One of the construction of the well, we concluded in summer of 1952.	eneral specifications of and iron casing, O feet of surface Policy of this act, including the control of the

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

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

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

22355

File no 203

County of Petroleum, as.

Filed DEC 2 6 1963

at 3:30 o'clock_

Deputy

· 1907年,190

			_
•	4—Helena	Independent	Recor

File No.....

DUPLICATE

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)

STATE ENGINEER

	or)	, of Box 177 (Address)	(Town)
have appropriated groundwater	accordi	State of Montana g to the Montana laws in effect prio	r to Tanuary 1 1062 as fol
lows:	accordii	ig to the wontana laws in effect prio	1 to January 1, 1902, as 101
N ,	2.	The beneficial use on which the claim	m is basedlives lock
		wa\$er	
	3.	Date or approximate date of earliest tinuous the use has beencontinuo	us-since-1946
	4.	The amount of groundwater claimed per minute)8galperminuta	
┟╾╃╼┼╼┼╼╂╼┾╼┼╼┨			
s	5.	If used for irrigation, give the acre lands to which water has been appli thereofnotapplicable	led and name of the owner
14. SE4 Sec15 T14N R. 25E			
ndicate point of appropriation nd place of use, if possible. ach small square represents 10 cres.	6.	The means of withdrawing such wat location of each well or other means windmill pump	er from the ground and the
So far as it may be available, the other works for the withdrawal of	type, s	ize and depth of each well or the go	neral specifications of any inch iron casing, 17
So far as it may be available, the other works for the withdrawal of test deep	type, s	ize and depth of each well or the ge	ineral specifications of any inch iron casing, 17
So far as it may be available, the other works for the withdrawal of seat deep.	type, s	ize and depth of each well or the go	eneral specifications of any inch iron casing, 17
So far as it may be available, the other works for the withdrawal of feet deep. The estimated amount of ground The log of formations encountered.	type, s of grour	ize and depth of each well or the go	eneral specifications of any inch iron casing, 17
So far as it may be available, the other works for the withdrawal of fact daep. The estimated amount of ground The log of formations encounteres soil and 7 feet of sandy ground Such other information of a similar sand.	type, sof groundly water	ize and depth of each well or the goldwater	eneral specifications of any inch iron casing, 17. I gallons. Hout 10 fast of top.
So far as it may be available, the other works for the withdrawal of fact daep. The estimated amount of ground The log of formations encounteres soil and 7 feet of sandy ground Such other information of a similar sand.	type, sof groundly water	withdrawn each well if available	eneral specifications of any inch iron casing, 17. Engallons. Hout 10 fast of top. Expolicy of this act, including the content of the cont
So far as it may be available, the other works for the withdrawal of fact daep. The estimated amount of ground The log of formations encounteres soil and 7 feet of sandy ground Such other information of a similar sand.	type, sof groundly water	withdrawn each well if available at the grant as may be useful in carrying out the y record	eneral specifications of any inch iron casing, 17 gallons cout 10 fact of top policy of this act, including C. KING & SONS, INC.

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.

22357

Pile ho 205

County of Petrology, Ss.

Filed DEC 2 6 1963 19

SEE FERGUS COUNTY FOR ORIGINAL

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T	14	R	25	
County.	Je	gu		

NA BUREAU OF MINES AND GEOLOGY Butte, Mentans

WATER WELL LOG

	l Schulte		Address Grass Range, Montan		
	mes of Singley	:	Address Low 1 stown	. Montana	
	26,1957		Date Completed DOG	26,1957	
	с 18 т.147	1 R25E4	sec		
Type of well (Dug. driven	bored, or drilled)	uipment used	Churn drill, rotary, o	ther)	
Water use: Domestic	Municipal .	Stock			
Industrial	Drainage				
Above ground 2 ft. to	20 ft. Type	8 4 5	size For	***************************************	
Casing:ft. to	ft. Type	*************************	Size		
Casing:ft. to	ft. Type		Size		
Perforated or Screened: Ft	30 to ft 2	0 Ft	to ft		
Type of screen or perforations	5 lots				
Static Water level, for non-flowing	well:		•••••	feet.	
Shut-in pressure, for flowing well:.		lb./sq. in. on:		·····	
Pumping water level	feet at	20	(date)		
How tested: Pumped			•		
Length of test 1 hr					
Remarks: (Gravel packing, cemerating drove to	nting, packers, type of	shut-off, depth			
	(over		***************************************	•••••••••••••••••••••••••••••••••••••••	

DECEIVE MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana STATE ENGINEER WATER WELL LOG Well 42 . Address Grass Fange, Montant Date Completed Dec. 25, 1957 T. 14M R25 E 1/2 sec. pofilma Cable Tool Type of well..... Equipment used Water use: Domestic . Irrigation Stock 🗷 Municipal Industrial Drainage Other: Ypone Shoning S & S Size Perforated or Screened: Ft...... to ft... State Type of screen or perforations.. Static Water level, for non-flowing well: Shut-in pressure, for flowing well: _____lb./sq. in, on: _____lb./sq. in feet at 20 gal. per min... Pumping water level.... Rumed How tested:... 1 hr. Length of test... Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off) 7"OD casing drove to 20*

(over)

		Log of Well
Depth	, feet	
From	То	Description of Material Drilled
0	1	Topacil
2	10	Yollow elay
20	80	Gravel, Vator
80	26	water, Blue shale
<u> </u>		
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		Coup
	-	S Colored States
		3.30 Revenue
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	4-Helena Independent Record			a/ 3001			
File	No. 206	•		T. 14 R 25 1 County Peter Lucian			
DU.	PLICATE			County Peterlice			
		S'	TATE OF MONTANA	•			
		ADMINISTRA	TOR OF GROUNDWATER CODE	DESELLE D			
		OFFIC	E OF STATE ENGINEER	DEC 30 1963			
	De	claration of	f Vested Groundwaier Right	DEC 3 0 1963			
	7)	Under Chapte	r 237, Montana Session Laws, 1961)	STATE ENGLISH TO			
		*		The state of the s			
1	JOE C. LING & SONS, T	NC.	of Box 177 (Address)	Winnett			
	(Name of Appro	opriator)	(Address)	(Town)			
	have appropriated grounds	water according	State of Montana ng to the Montana laws in effect p	rior to January 1, 1962, as fol-			
	lows:			•			
۲	. N	2.	The beneficial use on which the c				
-			water				
-		3.	Date or approximate date of earlies				
			tinuous the use has been	· -			
w		E					
-		4.	The amount of groundwater claime	ed (in miner's inches or gallons			
-		-	per minute)12 gallons per				
-			***************************************				
1_	s	<u>.</u> 5.	If used for irrigation, give the adlands to which water has been ap	creage and description of the pplied and name of the owner			
			thereofnot applicable				
	E4SE4 Sec23 T.14NR.2						
In	dicate point of appropriation d place of use, if possibl	on lo c					
	ch small square represents		The means of withdrawing such water from the ground and the location of each well or other means of withdrawalflowing				
ac	res.		.artesian well at 90 pounds pressure shut-in				
				,			
7.	The date of commencement and completion of the construction of the well, wells, or other works for with-						
	drawal of groundwater						
8.	The denth of water table	not a	pplicable - 90 pai sip				
0.	-						
9.	So far as it may be availab	ole, the type, s rawal of group	ize and depth of each well or the adwaterdrilled with & inch.	general specifications of any iron casing 1.027 feet			
	.deep						

10.	The estimated amount of	groundwater v	withdrawn each year5 million.	gallons			
11.	The log of formations encor	untered in the	drilling of each well if available	100' Colorado Shale.			
-4,	200! Newcastle, 300! S	kull Creek,	450! Dakota Silt, 600! First Cat Creek, 1010! Third Cat Cr	; Cat Creek Sand,			

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......well.driller:s.report.on.record.with..... Montana State Engineer

JOE C. KING & SONS, INC.

Signature of Owne By Joe C. Line III.

President
Date December 18, 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.

File re 206 22358 File to 26
STATE CONTING.

County of 19
DFC 28 1083 19
st 3:45 PM.

Denny Dengel

Tue: 7.12 Deputy

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T UIN	R 25E	
County.PET	ROLDUM	

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOG

<i>X</i> 5		
	Owner JOE C. KING & SONS	Address WIIRFTT, MONTANA.
, X	Driller W. L. LIVINGSTON	Address WINNETT, MONTANA.
	Date Started June 1st, 1957	Date Completed July 25, 1957
	Location: Sec. 23 T. 1111 R. 25E 14	sec_SW2-lE2-
Type of well dr	illed Equipment used	rotary (Churn drill, rotary, other)
Water use: Domestic	X Municipal Stock	X Irrigation X
Industrial	Drainage . Other:	
Casing: 0	ft. to 1017 ft. Type steel	Size5½
Casing:	ft. toft. Type	Size
Casing:	ft. toft. Type	Size
Perforated or Screened	1: Ft to ft Ft	to ft
Type of screen or perfor	rations	
Static Water level, for r	non-flowing well:	feet.
Shut-in pressure, for fle	owing well: 90 lb./sq. in. on:	July 25th, 1957 (date)
Pumping water level	feet at	gal. per min.
How tested:press	sure-gauge	
Length of testone	hour	
Remarks: (Gravel pac	cking, cementing, packers, type of shut-off, depth	of shut-off)
Casing is o	cemented in. Flows at 8 gallons pe	r minute.
53" O.D. 1	th.81# per ft. Casing seton top of ad by B.J. Comenters with 135 sack	Third Cat Creek sand
Cenont allo	owed to set 72 hours before drilling	g plug.
.i)	(over)	

Log of Well

Dept	h, feet	
From	То	Description of Material Drilled
20	20	Top soil and gravel
20 102	102 268	Hard grey shale (Mowery) Dark shale and shells
-268	300	hard sandy shale and sand streaks
300	560	soft shale and bentonite
_ <u>560</u>	620	Medium hard shale and shells
620	1654	Hard send and streaks of shale
654	700	Hard sand and hard lime streaks Medium hard sand (First Cat Creek)
700	12	Medium hard sand (First Cat Creek)
723	12	Red and grey shale
812	1826	Hard bluish grey sand
816	885	Red and grey shale and sand streaks
885	895	Light grey to white sand
895 9 2 5	925 sand 930	Red and grey clay
930	960	
750	700	Red and grey clay with streaks of hard sand and lime
960	978	(some white ash)Or white chalky shale) Red amd grey shale
978	1020	Firm red shale and hard redish brown lime and sand streaks
1020		Med soft, med course sand (light grey to white)
	T	(top of third C. C. sand. Flow 8 gallons por min).
1028	 1050 	Hard sand and streaks of grey tough clay
	-	on the state of th
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		La County of 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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		16006 County of Petroleu led Oct /5 loi 30 o'clock County County
		16006 County of Petroleu led Oct /5 loi 30 o'clock County County
		16006 County of Petroleu led Oct /5 loi 30 o'clock County County
		16006 County of Percolcus. 10:30 o'clock A M. County Recorder Deputy
		16006 County of Penroleum. 10:30 o'clock A.M. County Recom Dro

1-Helena Independent Record			al Sport
File No. 201	•		T /4 R 25
DUPLICATE			County Petalen
	S	TATE OF MONTANA	
•		TOR OF GROUNDWATER CODE	DECET I
•	OFFIC	CE OF STATE ENGINEER	DEC 30 1963
De	claration o	f Vested Groundwater Righ	te
, (Under Chapte	r 237, Montana Session Laws, 1961) STATE ENGINE
1Joe.C. King & Sons, In (Name of Appr	acopriator)	, of Box 177 (Address)	Winnett (Town)
County of Petroleus	D	State of Montana	•
lows:	water accordi	ng to the Montana laws in effect p	rior to January 1, 1962, as fol-
N	- , 2.	The beneficial use on which the	rlaim is hased livestock
		water	
<u> </u>	3.	Date or approximate date of earlie	
		tinuous the use has been May. 19	61 continuous to present
w	E	***************************************	***************************************
 	4.	The amount of groundwater claim	ed (in miner's inches or gallons
	-	per minute) 6 gal per minute	
	1 _	TA 1.0 1.1 1.1	
S	<u>.</u> 5.	If used for irrigation, give the a lands to which water has been a	creage and description of the oplied and name of the owner
		thereofnot.applicable	
NW 14 NET Sec. 23 T 14NR 2			
Indicate point of appropriation and place of use, if possible	le. 6.	The means of withdrawing such v	vater from the ground and the
Each small square represents acres.	10	location of each well or other mea	
		electric pump	
7 The date of commencemen	t and complet	ion of the construction of the well,	wells, or other works for with-
drawal of groundwater	drilled	and completed in May 1961	
8. The depth of water table .	9feet	i	
9. So far as it may be availab	le, the type, s	ize and depth of each well or the dwaterdrilled with 8 inch.	general specifications of any
_daep	•••••••		***************************************
10. The estimated amount of a	groundwater v	vithdrawn each year200,000 i	gallons
11. The log of formations encou	antered in the	drilling of each well if available	about 12 feet of top
12. Such other information of	a similar natu	re as may be useful in carrying out	the policy of this act, including
reference to book and page	of any county	y recording none	
			E C. KING & SONS, INC.
		Signature of Owner.BX	fre (/ Ling II)

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.

Date December 18, 1963

22356 File no. 204/

DEC 26 1963 19

at 3:35 f. M.

Donny L. Dengel PLE: 2.00 Deputy

	4—Helena Independent Recor	rd		T. 14 R 25
	PLICATE			County Petrolegar
20.	20112	ST	ATE OF MONTANA	
			FOR OF GROUNDWATER CODE E OF STATE ENGINEER	DEC 30 1963
			Vested Groundwater Right 237, Montana Session Laws, 1961)	19
			Day 380	
1	Jos C. King & Sons (Name of A	Ing. Appropriator)	of Box 177 (Address) State of Montans	(Town)
	have appropriated gro	roleum undwater accordin	State of Montana g to the Montana laws in effect p	rior to January 1, 1962, as fol-
	lows:	·	· .	• , • , • , • , • , • , • , • , • , • ,
[-	N N	2.	The beneficial use on which the convergence water	
-		3.	Date or approximate date of earlies tinuous the use has beenSummer	r of 1946
w -	_	↓ E		
-		1 1	The amount of groundwater claims per minute)5. galperm	inute
ľ	- O	5.	If used for irrigation, give the a	
			thereofnot	applicable
	I485. \$Sec.24 T.AN			
an Ea	dicate point of appropr d place of use, if po ch small square represe	ssible. 6.	The means of withdrawing such w location of each well or other mea	-
ac	res.		windmill pump	
7.	drawal of groundwater	Summer of 19	on of the construction of the well,	wells, or other works for with-
8.			t 8 feet	
9.	So far as it may be ava	ailable, the type, size thdrawal of ground	ze and depth of each well or the dwater	general specifications of any 6 inch stovepipe casing,

1 ۲.	The estimated amount	of groundwater w	ithdrawn each year200,000	
11.	soil and 7 fest of	gravel	drilling of each well if available	·····
	***************************************	·····		

Signature of Owner By: Sons, INC.

Progldent
Date December 23, 1963.

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

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......none.

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

7/4 1/4 1/4 1/4 1/4

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.

22361

File ho. 209

STATE OF MONTANA.

Grandy of Contract

Filed DEC 26 1963

Et 4:05 | M.

Downy & Denyl

Au: 7,00 Deputy

G₁ Î	Approved Stock Form—State Publishing Co., Helena, Montana—41921 No. 23 ¹ T. 14 N. R. 25 F.
ממ	PLICATE County Petroleum
20	STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER
	Declaration of Vested Groundwater Rights TE ENGINEER (Under Chapter 237, Montana Session Laws, 1961)
	William Degner , of Grass Renge, Montana (Name of Appropriator) (Address) (Town) County of Petroleum State of Montana
ì	have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:
	2. The beneficial use on which the claim is based domestic and livestock
	3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 1, 1952
w	used every day since completion
	4. The amount of groundwater claimed (in miner's inches or gallons per minute
į	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 none
Ind	icate point of appropriation place of use, if possible. Each ill square represents 10 acres. 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal runs by itsel artesian well
7.	The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. storted June 1, 1950. Completed July 1951
8.	The depth of water table 690 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. 14. inch casing drilled to depth of 740 feet
10.	The estimated amount of groundwater withdrawn each year 225.000 gallons a year.
11.	The log of formations encountered in the drilling of each well if availablenone.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 recordnone
	4

Signature of Owner Milliam December 29, 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.

22394

County of Potrologia, (73.

DEC 31 1963

gu: 2.00 Deputy

	• No	210		16	•	T 14 R 2512 County Peter Survey
DU	PLICATE		4	, b,		County Peter leum
v.i)	` S'	TATE OF MONTANA	·
			Al		TOR OF GROUNDWATER C	ODE CERTA
:				OFFIC	E OF STATE ENGINEER	DEC 30 1963
			Decl	aration o	f Vested Groundwater H	
	<u> </u>		(U1	nder Chapter	r 237, Montana Session Laws,	1961) STATE ENGINETE
1	Joa.CI	(Name (ions, Inc	Ca	of Box 177	yinnett (Town)
	County of		Leum		State of	
	have appr lows:	opriated	groundwa	ater accordin	ng to the Montana laws in eff	ect prior to January 1, 1962, as fo
		N			FT3 - 1 6: 1-1 1 1-1	d - 1.1
ſ	T			2.		the claim is basedlivestock
ľ				3.	Date or approximate date of e	earliest beneficial use; and how con
ľ				· ·		pprox 1945 or 1946
. [E		
٠	1.					
ľ				4.		laimed (in miner's inches or gallon minute
ſ					per minute)#2.B#Wk##	MILIA 9.5
				5	If used for irrigation give t	he screage and description of th
-		8				he acreage and description of th en applied and name of the owne
					thereofnot applicab	<u>le</u>
M	E…¼…WA.∳Se	c.35 T1	4N. R.251	E	•	***************************************
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In	dicate poin	t of app			The means of withdrawing su	uch water from the ground and th
In an Ea	d place of sch small sc	t of app f use, if	possible.	6.	location of each well or other	ich water from the ground and the means of withdrawal
In an Ea	d place of	t of app f use, if	possible.	6.		means of withdrawal
In an Ea	d place of ach small so res.	t of app f use, if quare rep	possible. resents 10	6.	location of each well or other artesian flow	means of withdrawal
In an Ea	nd place of ach small so res.	t of app f use, if quare rep	possible resents 10	6.	location of each well or other artesian flow tion of the construction of the	means of withdrawalwell. wells, or other works for with
In an Ea ac	nd place of ach small so res.	t of app f use, if quare rep	possible. resents 10 encement	and complet	location of each well or other artesian flow	means of withdrawalwell, wells, or other works for with
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Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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

File ho. 210 22362

STRIE OF DICTION.) County of Latinol text.

J'OSOS Sengel

Daputy

GROUNDWATER INDEX

Page	of

County Potroloum Twp. 14N Rge. 26E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
	Ore, George Di	Welt log	19849	
20	Enger Rox	G. W. 3	25092	
25	Hill Flord Raviola S.	GWH	22298	
27	King Joe 1. 4 Sons, Ing	11 11	22354	
29	1 1 1 1	11 11	22353	
30	11 11 11 11 5	11 _11	22359	
30	11 12 11 11	11 11	22360	
35	HIL Floyd R. Wink S.	Well 109	17248	
35	HILFloyd R. Viala S.	GW H	22300	
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	CT.	26	•	
County	Petrole	18.1	V E	[6]
	List -		•	

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

STATE ENGINEER

WATER WELL LOG

	Owner Ceorge D.	Ore	Address.	Winnett, Mont.
	Driller Earl Fhi		Address.	Winnett, Mont
	Date Started Feb.			Fab. 23 1954
			26 Nat Rnai-Idensite-e	, I believe,
Type of well slow	pumper (Dug. driven, bored, or drilled)	Equipn	nent used	m drill, rotary, other)
Water use: Domestic	Municipa	u 🔲	Stock	Irrigation
Industrial Casing:one	Drainag	Type	Other: Used ste	er casing
Casing:	ft. toft.	Туре	Size	······
•				
Perforated or Screened:	Ft to 1	tb	elieve on two s	to ft
Type of screen or perfora	thonston::8	r spacs ⁢	4611811061 14 6	-slot in caning
Static Water level, for no	on-flowing well:	about 18%	Ft. down	feet.
Shut-in pressure for flow	20 2 1 1 2 2 3	ing	/sa in on·	ng (da'e)
				al. per min
How tested: ord	inary piston nump	o, about 1	<u>ģ</u> " 'n size	••••••
Length of testtwo	hours or so usual	lly, somed	mes longer	
Pemarks: (Gravel pack	ing, cementing, packers,	type of shutway, then	off, depth of shut-off	rt outside to top
•••••	· · · · · · · · · · · · · · · · · · ·	••••••		

	*********************************			***************************************
1)		(over)		

*3*7,

Log of Well

Depth, feet		Description of Material Drilled		
rom	То	Description of Material Drifted		
ne	31 Ft.	ordinary gumbo soil until about 25 fest, then		
		struck a gravel, as I understand it, that is where		
		the water comes from, somewhat alkali taute and		
		only should be used for irrigating garden on the lot in		
		a ditch. Cannot be used for sprinkling, at least on		
		Some Chings; used also for watering trees, shoubbory, et		
-				
	1			
		(A) B B) 00		
		STATE Comma		
		OF NON OCIOCK		
		of Ferroleim. St. Ferroleim. Comment Comment		
		7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		

1050 lines Strke. Sand Leases
1054 Liney Shile
1054 Liney Shile
1056 Lease apper Sand(Very
1051 Self & Papper Sand(Very
1051 Self & Papper Sand(Very
1050 Cerbonescone Symile-Thin Jane
1050 Cerbonescone Symile-Thin Jane
1050 Lease-Iron Pyriles.
1700 Rand Lisck Shule-iron Pyrilesi. to not seed this brisk kiel

8137

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25092

STATE OF MONTANA,

County of Fetroleum, (

Deputy

of latoring to set. / An.

. 20.

John South

	•			
·~	4Helena Independent Record	•	· 🛸	
File	e No		r 14 1/266	
	PLICATE	(Cor sty Petraleum	
	ST	ATE OF MONTANA	• ,	
	ADMINISTRAT	OR OF GROUNDWATER CODE	,	
	OFFICE	E OF STATE ENGINEER	B) ECEIVED	
			UU DEOO	
		Vested Groundwater Rights	· · · · · · · · · · · · · · · · · · ·	
	(Under Chapter	237, Montana Session Laws, 1961)	STATE ENGINEER	
	All 10 de Dil		Da J	
1	Theyte or orleslas. Hell	, of Mennet	1/10-2.	
	County of Appropriator)	(Address)	(Town)	
	have appropriated groundwater according	g to the Montana laws in effect pri	or to January 1, 1962, as fol-	
	lows:			
		The beneficial use on which the cla	nim is based	
		The beneficial use on which the cla	restivuel	
	3.	Date or approximate date of earliest	beneficial use: and how con-	
		tinuous the use has been Mula	Men 2, 1950	
		inunuous		
w -				
ľ	15 4.	The amount of groundwater claimed	(in miner's inches or gallons	
-	200	per minute) 10 gallons	wojjunic	
		Te		
'	s 5.	If used for irrigation, give the acr lands to which water has been app	reage and description of the died and name of the owner	
		lands to which water has been app thereof at Will sight	, 10 ans Drugale	
SÆ	= 1/4 R26	Flage R. or Viola S. HII	1 suner	
	dicate point of appropriation	/		
	1 11 10	The means of withdrawing such wa	-	
	res.	location of each well or other mean	s of withdrawal	
		0		
7	The date of commencement and completic	on of the construction of the well, w	vells, or other works for with-	
7. The date of commencement and completion of the construction of the well, wells, or other word drawal of groundwater				
	Tompleted Nove	2,1950	*** ***********************************	
8.	drawal of groundwater Compress of Sect 5 21950 The depth of water table 1810 ft to first water			
0	So far as it may be available, the type, size and depth of each well or the general specifications of any			
Э.	other works for the withdrawal of ground	lwater		
10.	The estimated amount of groundwater w	ithdrawn each year 5,25,6,000	goloper yer.	
11.	The log of formations encountered in the	Trilling of each well if available	1810161874	
12.	Such other information of a similar nature			
	reference to book and page of any county	record		
			1.4	
		The state of the s	1 10001:11	
		Signature of Owner	ryd K. Hell	
		Date 2	Dec 5-1963	
		= 4,0		

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.

8216

22248 File # 187

STATE OF MONTANA, County of Petrolouse,

Filed DEC 6 1963 19

at 11'50 o'clock A. IA.

Sonny S. Sings

pirector of neglinds

.2.00 Deputy

4—Helena Independen	t Record		a a		
le No			T 14NR 268		
UPLICATE			County Petroleur		
		STATE OF MONTANA			
		ATOR OF GROUNDWATER COD	E DECE TO THES		
	OFFI	CE OF STATE ENGINEER	UU _{DEC 3 0 1963}		
	Declaration	of Vested Groundwater Rigl	STATE ENU		
	(Under Chapt	er 237, Montana Session Laws, 196	1) SIAIL LIVU		
Joe.C. King	& Sons, Inc.	of Box 177	Winnet t		
(Name	of Appropriator)	(Address) State of Montana	(Town)		
have appropriate lows:	d groundwater accord	ing to the Montana laws in effect	prior to January 1, 1962, as f		
N		. The beneficial use on which the	claim is basedlivestock		
		water			
 		. Date or approximate date of earli	•		
 		tinuous the use has been	-		
-+-+-+					
╽ ╌┼╌┼╌┼		. The amount of groundwater clain	ned (in miner's inches or gallo		
┟╌┼╌┼╌┼╌┼		per minute)2 gal per minut			
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s		 If used for irrigation, give the lands to which water has been a 	acreage and description of t applied and name of the owr		
		thereofnot applicable			
SW.14SW2 Sec 27 7					
ndicate point of ap nd place of use,		. The means of withdrawing such	water from the ground and t		
Each small square re		location of each well or other me	•		
cres.		windmill pump			
. The date of commod drawal of ground	nencement and comple waterdrilled.s	etion of the construction of the well nd_completed_in_July_1961	l, wells, or other works for wi		
. The depth of wat	er table12feet				
		size and depth of each well or th			
other works for t	he withdrawal of grou	indwater 4" stovepipe casi	ng to 60 feet - drilled		
		withdrawn each year200,000			
. The log of format	ions encountered in th	e drilling of each well if available	10' surface clay,		
		y and shala, 60' shala Botto	/H		
***************************************		***************************************			
Such other inform	Such other information of a similar nature as may be useful in carrying out the policy of this act, includia				
reference to book	eference to book and page of any county record				

		J	OF C KING & SONS, INC. By: 1 / // Provident		
			e December 23, 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 Approprove.

22354

Tele n. 202

STATE OF MODERNA,

County of circleum, Se.

Filed DEC 26 1963 19

et 3:20

Drang of Dengel

Drang of Lectrons.

721:2,00 Deputy

	4—Helena Independent Record	• 1		Boil Control	
File	No. 20/			T 14 N R 26E	
DUI	PLICATE			County Petrolener	
		s	TATE OF MONTANA		
			TOR OF GROUNDWATER CODE	(D) ECE! WITH	
		OFFIC	E OF STATE ENGINEER	DECEIVAGE DEC 30 1963	
	3	Declaration of	Vested Groundwater Right	-	
			237, Montana Session Laws, 1961)		
i.					
1,	JOE C. KING & SONS	INC.	of Box 177		
	(Name of Ar	propriator)	(Address)	(Town)	
	have appropriated ground	ndwater accordin	State of Mantana g to the Montana laws in effect pr	rior to January 1, 1962, as fol-	
	lows:				
, _	N		The beneficial use on which the cl	aim is based .livestock	
_			nater	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
		3.	Date or approximate date of earlies		
_			tinuous the use has beenJune		
w -		E			
		4.	The amount of groundwater claime	d (in miner's inches or gallons	
]			per minute) 1 gal per minute		

Ļ	s	5.	If used for irrigation, give the aclands to which water has been ap	creage and description of the	
	8		thereof not applicable		
SW	14 NE Sec.29 TIAN. R	. 26E			
	dicate point of appropria				
and place of use, if possible. 6. Each small square represents 10			The means of withdrawing such water from the ground and the		
acı	• •		location of each well or other means of withdrawal		

7.	The date of commencer	ent and complet	ion of the construction of the well,	wells, or other works for with-	
	=	drilled and	completed in June 1961	***************************************	
8.	The depth of water tabl	e12 feet			
9.	So far as it may be avai	lable, the type, si	ze and depth of each well or the	general specifications of any	
		-	dwaterdrilled_71_feet_with_		

		••			
10.	The estimated amount of groundwater withdrawn each year				
			•	•	
11.	The log of formations encountered in the drilling of each well if availablenone available				
	••••••				
	***************************************			***************************************	

JOE C. KING & SONS, INC.
Signature of Owner By:
President
Date December 23, 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 carr, ing out the policy of this act, including

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

reference to book and page of any county record.....none....

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.

15489

22353 File ho 201

STATE OF MOLTEL M.

Filed <u>DEC 2.6.1968</u>

et 3:15 f. Sonny & Dengel

74: \$2,00 Deputy

4-Helena Independent Record	
File No. 201	T. 14 R. 26 County Filiples
DUPLICATE	County Filialium)
\$	CALLED OF DECITATION
	ATOR OF GROUNDWATER CODE DEC 3 9 1963
Declaration (Under Chapt	of Vesied Groundwater Rights er 237, Montana Session Laws, 1961) STATE ENGINEER
· · · · · · · · · · · · · · · · · · ·	, of Box 177. Winnett. (Address) (Town) State of Montana. ing to the Montana laws in effect prior to January 1, 1962, as fol-
lows:	ing to the Montana laws in effect prior to January 1, 1962, as fol- The beneficial use on which the claim is based .livestock water
	B. Date or approximate date of earliest beneficial use; and how continuous the use has been December 1960 to present
w	. The amount of groundwater claimed (in miner's inches or gallons per minute)7gallons ps.r. minute
5 s	i. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner
M 1/4 NW 2 Sec. 30 TLAN R. 26B	thereof not applicable
Indicate point of appropriation	The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
<i>2</i> }	

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater ...drilled and .completed in December 1960.

8. The depth of water table 8. 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 ...drilled with 8 inch iron casing, 18 feet deep

10. The estimated amount of groundwater withdrawn each year300,000 gallons.....

11. The log of formations encountered in the drilling of each well if available ___about_12_fcat_of_top_____soil and 6 feet of sandy gravel

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.

22359

File ho. 207

SITTE OF MONTHANT Country of Teleplan na

Filed DEC 2 6 1963

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