

County POWDER RIVER Twp. 3 SOUTH Rge. 50 EAST

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	HIMMELSPACH, JOE		75009-3	
2	EMMONS RANCH INC.		92722	
3	EMMONS RANCH INC.		73685	
4	HULFORD, EDWARD		74968-3	
4	HULFORD, EDWARD		74968-2	} SAME FORM
4	" "		74968-2	
4	HULFORD, EDWARD		74968	} SAME FORM
4	" "		74968	
5	" "		74968	
5	" "		74968	} SAME FORM
5	" "		74968	
5	" "		74968	
5	HULFORD, RUFUS		75196	} SAME FORM
6	HULFORD, LAWRENCE		71842	
6	" "		71842	
6	SMITH, L-THEL L.		75209	
7	HULFORD, RUFUS		75196	} SEE SEC. 5
8	" "		75196	
8	" "		75196	
8	" "		75196	
12	EMMONS RANCH, INC.		73685	SEE SEC. 3
13	EMMONS RANCH, INC.		92720	
14	ROWSEY, VERDA J.		75121	} SAME FORM
14	" "		75121	
14	" "		75121	
15	" "		75121	} SAME FORM
15	SMITH, SAM		74994	
15	" "		74994	
15	" "		74994	
15	" "		74994	
15	SMITH, SAM		74994-2	
17	SMITH, SAM		74994-4	SEE SEC. 15
17	SMITH, SAM		74994-4	
18	SMITH, SAM		74994-2	SEE SEC. 15
19	SMITH, CARL M. & SONS, INC.		75019	
21	SMITH, SAM		74994-2	} SEE SEC. 15
21	" "		74994-2	
22	" "		74994-2	
22	" "		74994-2	
22	SMITH, CARL M. & SONS		75019	} SEE SEC. 19
23	" " "		75019	
24	EMMONS RANCH INC.		92725	
25	ROWSEY, LYNN		75120	
25	NORTHERN PACIFIC R.R.		74679	
26	ROWSEY, VERDA J.		75121	SEE SEC. 14



JUL 3 1973

Twp. 3 S., Rge. 50

Sec. 2

File No. 92722  
Filed: June 29 1973  
at 2:32 P. M.

INDEXED

MONTANA DEPARTMENT OF NATURAL  
RESOURCES AND CONSERVATION

Notice of COMPLETION of Groundwater  
Appropriation by Means of Well  
Powder River County (Under Chapter 237, Montana Session Laws, 1961)  
By Charles E. Edwards, Deputy

OWNER Emmons Ranch Inc. Address Olive mt  
Top of Ground -  
Elev. above sea level, DRILLER Harlan Jones Address Broadus mt

0  
28  
116  
124  
167  
189  
198  
206  
210

Sand & Shale  
Blue shale  
Sandstone  
Blue shale  
Shale & Coal  
Gray shale  
Sandstone  
Blue shale

Date of Notice of Appropriation of Groundwater \_\_\_\_\_

Date well started 6-8-68 Completed 6-12-68

Type of Well Drilled Equipment Used Rotary  
(dug, driven, bored, drilled) (churn, drill, rotary, etc)

Water Use: Domestic ; Municipal ; Stock ; Other ;  
Industrial ; Drainage ; Irrigation

Indicate on diagram character and thickness of different strata met in drilling - ci, soil, clay, shale, gravel, rock, sand. Show depth at which water is found, thickness and character of water-bearing strata and height to which water rises in well.

Size of Drilled Hole	Size and Weight of Casing	From (feet)	To (feet)	Perforations		
				Kind Size	From (feet)	To (feet)
6"	4" 10.00	71	210	6.58"	198	206

Static Water Level for non-flowing well 135 feet

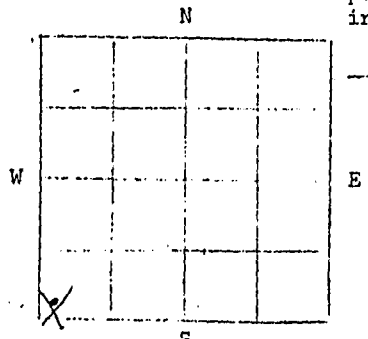
Shut-in Pressure for Flowing Well \_\_\_\_\_

Pumping Water Level 173 feet at 122 gal. per minute.

Discharge in Gal. per min. of flowing well \_\_\_\_\_

How Tested \_\_\_\_\_ Length of Test \_\_\_\_\_

Remarks: (Gravel packing, cementing, packers, type of shut-off, location of use if not at well, other similar pertinent information, including number of acres irrigated, if any.)



182  
Driller's License NO.

Harlan Jones  
Driller's Signature

Sec 2, Twp. 3, Rge. 50 East.

STATE OF MONTANA) ss.  
County of Powder River)

\_\_\_\_\_ having first been duly sworn, deposes and says that he is of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Owner's Signature Emmons Ranch Inc.  
Charles E. Edwards

Subscribed and sworn to before me, this \_\_\_\_\_ day of \_\_\_\_\_, 1968

Charles E. Edwards  
Clerk and Recorder, Powder River  
Broadus, Montana

55408



File No. 74988 - 3  
 Filed: 19  
 at                      M.

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

T 38 R 50E

Clerk and Recorder  
 Powder River County

RECEIVED  
 MAR 9 1964

NOTICE OF COMPLETION OF GROUNDWATER  
 APPROPRIATION BY MEANS OF WELL  
 (Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

OWNER Edward Hulford Address Olive, Montana

DRILLER Bandy Drilling Address Broadus, Montana

Date of Notice of Appropriation of Groundwater                     

Date well started                      Completed 1963

Type of well drilled Equipment used rotary  
 (dug, driven, bored, drilled) (churn, drill, rotary, other)

Water Use: Domestic  Municipal  Stock  Other   
 Industrial  Drainage  Irrigation

Indicate on diagram character and thickness of different strata met in drilling -ei, soil, clay, shale, gravel, rock, sand. Show depth at which water is found, thickness and character of water-bearing strata and height to which water rises in well.

Top of Ground  
 (Elev. above sea level                     )



Size of Drilled Hole	Size & Weight of Casing	From To		PERFORATIONS		
		(feet)	(feet)	Kind Size	From (feet)	To (feet)
6"	4" 3/4	0	140	6" slotted	98	140

Static Water Level for non-flowing well 98 feet.

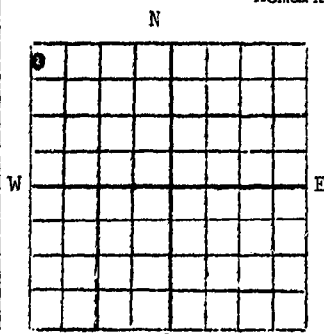
Shut-in Pressure for Flowing Well                     

Pumping Water Level 20 feet at 12 gal. per minute

Discharge in gal. per min. of flowing well                     

How Tested air pressure Length of Test 1 hr.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of use if not at well, other similar pertinent information, including number of acres irrigated, if any)



Sec. 5 T. 38 R. 50E

STATE OF MONTANA )  
 County of Powder River )SS.

Edward Hulford having first been duly sworn, depose and say that he is of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name subscribed thereto, as the appropriator and claimant, that he know the contents of said foregoing notice and that the matters and things therein stated are true.

18  
 Driller's License Number  
Frank Bandy  
 Driller's Signature

Edward Hulford

Subscribed and sworn to before me, this 10th day of December, 196 3

Lucille Lindsey, Deputy

74 765



75196 Filed,  
12/27, 1963  
8:25 P.M.  
Beville Gubrey, Deputy

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Twp 3 S, Rge 50 E 7

Clerk and Recorder  
\$2.00 fee paid

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

RECEIVED  
MAR 9 1964  
STATE ENGINEER

1. Rufus Hulford, of Orive, Montana, County of POWDER RIVER, STATE OF MONTANA, have appropriated groundwater according to the Montana Laws in effect prior to January 1, 1962, as follows

	Sec. 7	Sec. 5	Sec. 8	Sec. 8	Sec. 8	Sec.
WELLS	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
2. Beneficial Use	Stock	Stock	Stock	Stock	Domestic	
3. DATE DRILLED	1945	1946	1946	1948	1949	
3. How continuously used	constant	constant	constant	constant	constant	
4. Amount Claimed (gal. per minute)	12 gpm	8 gpm	7 gpm	8 gpm	8 gpm	
Irrigated description						
Irrigation owner						
5. Irrigated acreage						
6. Location (40 acres)	NE1/4	NE1/4	SW1/4	SW1/4	SW1/4	
6. Withdrawal means	pump	pump	pump	pump	pump	
7. Completion date	1948	1946	1946	1948	1949	
8. Water depth table	25'	65'	45'	60'	60'	
Type (drilled or dug)	drilled	drilled	drilled	drilled	drilled	
9. Size & Depth	4" x 56'	4" x 150'	4" x 100'	4" x 90'	4" x 95'	
10. Estimated annual amount withdrawn						
11. Other information						
12. Log, if available			NO LOGS			

STATE OF MONTANA )  
 ) ss.  
County of Powder River)

Signature of Owner: Rufus Hulford

Date: 12/27/63

RUFUS HULFORD having first been duly sworn, deposes and says that he is of lawful age and is the appropriator and claimant of the order and water right mentioned in the foregoing Declaration of Vested Groundwater Rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.  
Subscribed and sworn to before me this

27th day of December, 1963  
Beville Gubrey, Deputy  
Clerk & Recorder, Powder  
River County, Broadus, Montana

Rufus Hulford

35336





RECEIVED

STATE ENGINEER

T. 38 R. 50E

County Powder River

84

7184-2-1110

COUNTY OF POWDER RIVER  
I hereby certify that the well  
shown on this map is for the  
this well, on the 20th day of  
Dec. A. D. 1944

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner Lawrence Hulford Address Olive, Montana

Driller Henry Briant Address Hjalala, Mont.

Date Started Date Completed about 1944

Location: Sec. 6 T. 38 R. 50E 1/4 sec. 33NW

Type of well: drilled Equipment used: chain drill  
(Sag, driven, bored, or drilled) (Chain drill, rotary, other)

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other: \_\_\_\_\_

Casing: ft. to 44 ft. Type black Size 4"

Casing: ft. to 43 ft. Type black Size 3"

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. to ft. Ft. to ft.

Type of screen or perforations holes bored in about 10'

Static Water level, for non-flowing well: 50 feet

Shut-in pressure, for flowing well: lb./sq. in. on: (date)

Pumping water level 50 feet at 15 gal. per min.

How tested: bailed

Length of test

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

JUL 3 1973

Twp. 3 S, Rge. 50

Sec. 12

File No. 92720  
Filed: June 29 1973  
at 2:30 P. M.  
Charles Edwards  
Clerk and Recorder  
Powder River County (Under Chapter 237, Montana Session Laws, 1961)  
By William R. ... Deputy

INDEXED

MONTEANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

Notice of COMPLETION of Groundwater Appropriation by Means of Well

OWNER Emmons Ranch, Inc. Address Oliver mt  
DRILLER Harlan Jones Address Oliver Broadus Mt.

0  
5  
24  
31  
40  
52  
67  
76  
112  
120

Surface Soil  
Black shale  
Blue shale  
Sandy shale  
Black shale  
Sandstone  
Blue shale  
Sandstone  
Blue shale

Date of Notice of Appropriation of Groundwater \_\_\_\_\_

Date well started 4-29-68 Completed 5-2-68

Type of Well Drilled Equipment Used Rotary  
(dug, driven, bored, drilled) (churn, drill, rotary, etc)

Water Use: Domestic ; Municipal ; Stock ; Other ;  
Industrial ; Drainage ; Irrigation

Indicate on diagram character and thickness of different strata met in drilling - ci, soil, clay, shale, gravel, rock, sand. Show depth at which water is found, thickness and character of water-bearing strata and height to which water rises in well.

Size of Drilled Hole	Size and Weight of Casing	From (feet)	To (feet)	Perforations		
				Kind	From (feet)	To (feet)
4"	4"	72	120	6x4/8	76	112

Static Water Level for non-flowing well 60 feet

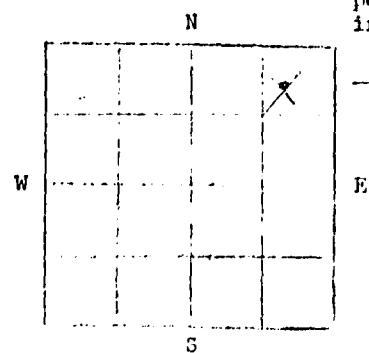
Shut-in Pressure for Flowing Well \_\_\_\_\_

Pumping Water Level 84 feet at 1.5 gal. per minute.

Discharge in Gal. per min. of flowing well \_\_\_\_\_

How Tested \_\_\_\_\_ Length of Test \_\_\_\_\_

Remarks: (Gravel packing, cementing, packers, type of shut-off, location of use if not at well, other similar pertinent information, including number of acres irrigated, if any.)



Sec. 12, Twp. 3, Rge. 50 East.

182  
Driller's License NO.  
Harlan Jones  
Driller's Signature

STATE OF MONTANA)  
County of Powder River) ss.

\_\_\_\_\_ having first been duly sworn, deposes and says that he is of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Owner's Signature by Charles G. Emmons Pres.  
Emmons Ranch, Inc.

Subscribed and sworn to before me, this \_\_\_\_\_ day of \_\_\_\_\_, 1968.

Charles G. Edwards  
Clerk and Recorder, Powder River  
Broadus, Montana

# 75221 Filed, 12/19, 1963  
at 1:05 P. M.  
\$2.00 fee paid  
Luella Godsey, deputy  
Clerk and Recorder

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
MAR 9 1964

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

STATE ENGINEER

1. Verda I. Rowsey, of Clay, Montana,  
County of POWDER RIVER, State of MONTANA, have appropriated groundwater according to  
the Montana Laws in effect prior to January 1, 1962, as follows:

	Sec. 15	Sec. 16	Sec. 17	Sec. 18	Sec. 19	Sec. 20
WELLS	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
2. Beneficial Use	Stock	Domestic	Stock	Stock	Stock	Stock
3. DATE OF USE	1947	1952	1956	1967	1948	1944
How continuous	constant	constant	const.	const.	const.	const.
4. Amount claimed (gal. per minute)	9 gpm	11 gpm	10 gpm	6 gpm	7 gpm	9 gpm
Irrigated description						
Irrigation owner						
5. Irrigated acreage						
6. Location	SE 1/4	SE 1/4	SE 1/4	SE 1/4	SE 1/4	SE 1/4
Withdrawal means	well	well	well	well	well	well
7. Completion date	1947	1952	1956	1967	1948	1944
8. Water depth table	40'	40'	35'	22'	50'	30'
Type (drilled or dug)	Drilled	Drilled	Drilled	Dug	Drilled	Drilled
9. Size & depth	4"x130'	4"x130'	4"x70'	12"x44'	4"x145'	4"x102'
10. Estimated annual Amount withdrawn						
11. Other information						
12. Log, if available			NO LOG			

STATE OF MONTANA )  
County of Powder River ) ss.

Signature of Owner Verda I. Rowsey

Date 12/19/63

Verda I. Rowsey

having first been duly sworn, deposes and says that he is of lawful age and is the appropriator and claimant of the order and water right mentioned in the foregoing Declaration of Vested Groundwater Rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me this 19th day of December, 1963.

Luella Godsey, Deputy  
35232

File No. 9494d

*Filed 12-10-63 at 2:30 pm  
L. Wallace Goddy, deputy  
628 pd*

STATE OF MONTANA  
ADMINISTRATOR OF GROUND WATER CODE  
OFFICE OF STATE ENGINEER

Twp 3 S, Rce 50 E

RECEIVED  
DEC 23 1963

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

STATE ENGINEER

1. Sam Smith, of Montana,  
County of POWDER RIVER, State of MONTANA, have appropriated groundwater according to the  
Montana laws in effect prior to January 1, 1962, as follows:

	3-50	3-50	3-50	3-50	3-50	3-50
	Sec. 15	Sec. 15	Sec. 15	Sec. 15	Sec. 15	Sec. 17
W E L L S	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
2. Beneficial Use	Domestic	stock	domestic	Stock & Domestic	stock	stock
3. Date of use	11-26-41	1-22-47	11-20-51	11-25-52	11-25-52	11-10-57
How continuous	constant	constant	constant	constant	constant	constant
4. Amount claimed	25 gpm	20 gpm	20 gpm	25 gpm	25 gpm	30 gpm
Irrigated description						
5. Irrigation owner						
Irrigated acreage						
6. Location	NW 1/4	NE	NW 1/4	NE 1/4 line	NW 1/4	NW 1/4
Withdrawal means	windmill	windmill	pump	pump	pump	windmill
7. Completion date	11-26-41	1-22-47	11-20-51	11-25-52	11-25-52	11-10-57
8. Water depth table	24'	12'	66'	90'	100'	29'
Type	drilled	drilled	drilled	drilled	drilled	drilled
9. Size & depth	3" x 113'	1 1/2" x 122'	1 1/2" x 66'	1 1/2" x 91'	1 1/2" x 103'	1 1/2" x 29'
10. Estimated annual amount withdrawn	500,000	500,000	100,000	275,000	190,000	500,000
11. Other information						
12. Log, if available	See other side from logs					

STATE OF MONTANA )  
County of Powder River ) ss.

Signature of Owner Sam Smith

Date 11-15-63

Sam Smith having first been duly sworn, deposes and says that he is of lawful age and is the appropriator and claimant of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me this  
15th day of November, 1963.  
L. Wallace Goddy deputy  
Clerk and Recorder  
Powder River County  
Broadus, Montana

Sam Smith

11779

#1  
0-15 sandy topsoil  
15-20 hard water sand  
20-50 soapstone  
50-53 rock  
53-58 clay  
58-64 hard water sand  
64-94 blue clay  
~~84-88~~  
94-98 coal  
98-120 blue clay  
120-140 clay & coal  
140-146 sand rock  
146-156 soft water sand  
156-180 blue clay  
180-245 water sand &  
sand rock  
245-264 sand rock &  
blue clay

#2  
0-13 surface soil  
13-48 sand  
48-49 red shale  
49-88 blue clay  
88-98 coal  
97-121 gray clay

#3  
0-15 sand & topsoil  
15-20 hard water sand  
20-50 soap stone  
~~50-53 rock~~  
~~53-58 clay~~  
50-53 rock  
53-58 clay  
58-66 hard water sand

#4  
0-15 surface soil  
15-50 sand stone  
50-52 hard rock  
52-90 water sand

#5  
0-8 surface soil  
8-11 hard rock  
11-30 blue shale  
30-85 water sand  
85-100 blue shale

#6  
0-7 surface soil  
7-20 clay & shale  
20-29 blue shale

# 74904 Filed <sup>-2-</sup> \_\_\_\_\_, 19\_\_\_\_, at \_\_\_\_\_ M. \$2.00 fee paid \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Twp 3 S, Rge 50 E

RECEIVED  
DEC 23 1963

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

STATE ENGINEER

1. Sam Smith, of Clare, County of POWDER RIVER, State of MONTANA, have appropriated groundwater according to the Montana Laws in effect prior to January 1, 1962, as follows:

	3-50	3-50	3-50	3-50	3-50	3-50
	x	✓	x	✓	x	✓
	Sec. 22	Sec. 18	Sec. 21	Sec. 21	Sec. 22	Sec. 18
WELLS	No. 7	No. 8	No. 9	No. 10	No. 11	No. 12
2. Basis of Beneficial Use	stock	stock	stock	domestic	stock	stock
3. DATE OF USE	11-10-57	11-26-52	11-20-57	6-12-53	7-15-53	3-29-51
How continuous	constant	constant	constant	constant	constant	constant
4. Amount claimed (gal. per minute)	30	25	25	40	20	30
Irrigated description						
Irrigation owner						
5. Irrigated acreage						
6. Location	NWSW	SNW	SW	NESE	NWNW	NENE
Withdrawal means	windmill	pump	windmill	pump	pipel	windmill
7. Completion date	11-10-57	11-26-52	11-20-57	6-12-53	7-15-53	3-29-51
8. Water depth table	30'	92'	30'	18'	0	206'
Type (drilled or dug)	drilled	drilled	drilled	dug	spring	drilled
9. Size & depth	4" x 30'	4" x 95'	4" x 30'	8" x 10'	8" pipe	4" x 206'
10. Estimated annual Amount withdrawn	500,000	500,000	500,000	400,000	500,000	438,000
11. Other information						
12. Log, if available	#7	#8	none	none	none	none
	0-7 surface 7-20 red shale 20-30 blue shale	0-11 surface 11-76 sand stone 76-92 blue shale				#12 0-15 clay 15-20 red shale 20-75 yellow clay 75-86 hard sand rock 86-90 blue clay 90-115 coal 115-160 blue clay 160-165 coal-clay 165-168 blue clay 168-204 water & sand 204-206 blue clay

STATE OF MONTANA )  
 ) ss.  
County of Powder River)

Signature of Owner Sam Smith  
Date 204-206 blue clay

having first been duly sworn, deposes and says that he is of lawful age and is the appropriator and claimant of the order and water rights mentioned in the foregoing Declaration of Vested Groundwater Rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

11779-A

# 74994 Filed, <sup>4</sup>  
 at \_\_\_\_\_, 19\_\_\_\_, M.  
 \$2.00 fee paid

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

Twp 3 S, Rge 19 E

RECEIVED  
 DEC 23 1963

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

1. Sam Smith, of Olive STATE ENGINEER  
 County of POWDER RIVER, State of MONTANA, have appropriated groundwater according to  
 the Montana Laws in effect prior to January 1, 1962, as follows:

	3-49	3-49	3-49	3-50		
	Sec. 23	Sec. 27	Sec. 19	Sec. 17	Sec.	Sec.
WELLS	No. 19	No. 20	No. 21	No. 22	No. 5	No. 6
2. Basis of Beneficial Use	stock	stock	stock	stock		
3. DATE OF USE	3-5-60	4-25-47	4-26-47	11-14-61		
How continuous	constant	constant	constant	constant		
4. Amount claimed (gal. per minute)	220	30	30	30		
Irrigated description						
Irrigation owner						
5. Irrigated acreage						
6. Location	middle SE 1/4	SESW	MWNW	NE 1/4		
Withdrawal means	windmill	windmill	windmill	windmill		
7. Completion date	3-5-60	4-25-47	4-26-47	11-14-61		
8. Water depth table	110'	140'	124'	30'		
Type (drilled or dug)	drilled	drilled	drilled	drilled		
9. Size & depth	4" x 113'	181'	135'	6" x 21'		
10. Estimated annual Amount withdrawn	500,000			500,000		
11. Other information						
12. Log, if available	#19 0-25 surface soil 25-38 yellow clay 38-95 water sand 95-110 blue shale	none	none	#22 0-8 surface soil 8-16 gravel 16-26 coal 26-30 gassy shale		

STATE OF MONTANA )  
 County of Powder River ) ss. Signature of Owner /s/ Sam Smith

Date \_\_\_\_\_  
 having first been duly sworn, deposes and says  
 that he is of lawful age and is the appropriator and claimant of the order and water right  
 mentioned in the foregoing Declaration of Vested Groundwater Rights and the person whose  
 name is subscribed thereto, as the appropriator and claimant, that he knows the contents  
 of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

File No. 12/3/62  
75019

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Twp 3 S, Rge 50 E  
**RECEIVED**  
1962

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

STATE ENGINEER

1. Carl M. Smith and Sons, Inc., of Olive, Montana,  
County of POWDER RIVER, State of MONTANA, have appropriated groundwater according to the  
Montana laws in effect prior to January 1, 1962, as follows:

	Sec. <u>(19)</u>	Sec. <u>29</u>	Sec. <u>27</u>	Sec. <u>23</u>	Sec. <u>22</u>	Sec. <u>35</u>
<b>W E L L S</b>	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
2. Beneficial Use	STOCK	Stock	Stock	Stock	Stock	Stock
3. Date of use How continuous	6 mo.	6 mo.	12 mo.	6 mo.	6 mo.	6 mo.
4. Amount claimed	20 gpm	20 gpm	20 gpm	20 gpm	10 gpm	20gpm
Irrigated description						
5. Irrigation owner Irrigated acreage			1/2 acre			
6. Location Withdrawal means	NESW windmill	SENE windmill	NWSE pump	NWSE windmill	NENE pump	NWNW windmill
7. Completion date	3/26/47	9/10/54	9/11/42	6/16/52	8/9/55	6/8/46
8. Water depth table	50'	80'	20'	50'	98'	30'
Type	Drilled	drilled	drilled	drilled	drilled	drilled
9. Size & depth	4" x 151'	4" x 210'	6" x 200'	4" x 162'	4" x 198'	4" x 80'
10. Estimated annual Amount withdrawn	21,000	21,000	42,000	21,000	10,000	21,000
11. Other information						
12. Log, if available						

STATE OF MONTANA )  
County of Powder River ) ss.

Signature of Owner \_\_\_\_\_

Date \_\_\_\_\_

\_\_\_\_\_ having first been duly sworn, deposes and says  
that he is of lawful age and is the appropriator and claimant of the order and water right  
mentioned in the foregoing declaration of vested groundwater rights and the person whose  
name is subscribed thereto, as the appropriator and claimant, that he knows the contents  
of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me this  
\_\_\_\_\_ day of \_\_\_\_\_, 19\_\_.

Clerk and Recorder  
Powder River County  
Broadus, Montana

11803



JUL 3 1973

Twp. 3 S., Rge. 50

File No. 92725  
Filed: June 29 1973  
at 2:35 P. M.

INDEXED MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

Sec. 24

Charlotte Edwards  
Clerk and Recorder  
Powder River County (Under Chapter 237, Montana Session Laws, 1961)

Notice of COMPLETION of Groundwater Appropriation by Means of Well

By Charley Edwards Deputy  
OWNER Emmons Ranch Address Olive mt  
Top of Ground -  
Elev. above sea level. DRILLER Harlan Jones Address Broadus, mt

Date of Notice of Appropriation of Groundwater \_\_\_\_\_  
 Date well started 6-17-68 Completed 6-17-68  
 Type of Well Drilled Equipment Used Rotary  
 (dug, driven, bored, drilled) (churn, drill, rotary, etc)  
 Water Use: Domestic ; Municipal ; Stock ; Other ;  
 Industrial ; Drainage ; Irrigation ;  
 Indicate on diagram character and thickness of different strata met in drilling - di, soil, clay, shale, gravel, rock, sand. Show depth at which water is found, thickness and character of water-bearing strata and height to which water rises in well.

Size of Drilled Hole	Size and Weight of Casing	From (feet)	To (feet)	Perforations		
				Kind	From (feet)	To (feet)
6"	4" 10bb	+1	150	6x8/8	94	115
				2x2/8	128	140

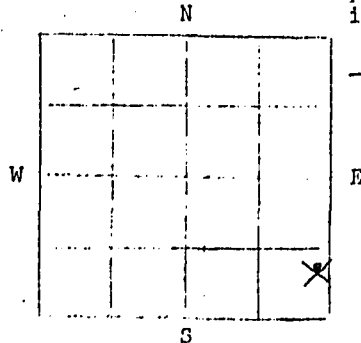
0 Surface Soil  
 3 Sandy Shale  
 16 Clay  
 24 Coal  
 31 Brown Shale  
 46 Sandstone  
 60 Blue Shale  
 94 Sandstone  
 113 Blue Shale  
 128 Sandstone  
 143 Blue Shale  
 150

Indicate on diagram character and thickness of different strata met in drilling - di, soil, clay, shale, gravel, rock, sand. Show depth at which water is found, thickness and character of water-bearing strata and height to which water rises in well.

Size of Drilled Hole	Size and Weight of Casing	From (feet)	To (feet)	Perforations		
				Kind	From (feet)	To (feet)
6"	4" 10bb	+1	150	6x8/8	94	115
				2x2/8	128	140

Static Water Level for non-flowing well 85 feet  
Shut-in Pressure for Flowing Well \_\_\_\_\_  
Pumping Water Level 126 feet at 10 gal. per minute.  
Discharge in Gal. per min. of flowing well \_\_\_\_\_  
How Tested \_\_\_\_\_ Length of Test \_\_\_\_\_

Remarks: (Gravel packing, cementing, packers, type of shut-off, location of use if not at well, other similar pertinent information, including number of acres irrigated, if any.)



182  
Driller's License NO.

Harlan E. Jones  
Driller's Signature

Sec 24, Twp. 3, Rge 50 East.

STATE OF MONTANA)  
County of Powder River) ss.

\_\_\_\_\_ having first been duly sworn, deposes and says that he is of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Owner's Signature Emmons Ranch, Inc.  
Charley S. Emmons Pres

Subscribed and sworn to before me, this \_\_\_\_\_ day of \_\_\_\_\_, 196\_\_\_\_.

Charlotte Edwards  
Clerk and Recorder, Powder River County  
Broadus, Montana

55405

# 75180 Filed 12/19, 1963 at 1:45 P. M. \$2.00 fee paid  
 STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER  
Lucille Godwin, deputy CLERK AND RECORDER  
 DECLARATION OF VESTED GROUNDWATER RIGHTS  
 (Under Chapter 237, Montana Session Laws, 1961)

Twp 3 S, Rge 50 E

RECEIVED  
 MAR 9 1964

STATE ENGINEER

1. Ivan Rowsey, of Oliver, Montana, County of POWDER RIVER, State of MONTANA, have appropriated groundwater according to the Montana Laws in effect prior to January 1, 1962, as follows:

WELLS	Sec. <u>25</u>	Sec.	Sec.	Sec.	Sec.	Sec.
	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
2. Basis of Beneficial Use	Stock					
3. DATE OF USE	1956					
How continuous	constant					
4. Amount claimed (gal. per minute)	9 gpm					
Irrigated description						
Irrigation owner						
5. Irrigated acreage						
6. Location	near pump					
Withdrawal means						
7. Completion date	1956					
8. Water depth table	50'					
Type (drilled or dug)	drilled					
9. Size & depth	1 1/2" x 70'					
10. Estimated annual amount withdrawn						
11. Other information						
12. Log, if available	NO LOG					

STATE OF MONTANA )  
 ) ss.  
 County of Powder River)

Signature of Owner Ivan Rowsey

Date 12/19/63

Ivan Rowsey having first been duly sworn, deposes and says that he is of lawful age and is the appropriator and claimant of the order and water right mentioned in the foregoing Declaration of Vested Groundwater Rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me this 19th day of December, 1963.

Lucille Godwin, deputy  
 CLERK AND RECORDER  
 35-231

25

File No. 71672  
Filed 10-22-63 at 10:04 A.M.  
DUPLICATE \$2.00 fee paid  
Lucille Goisay, Deputy  
Clerk and Recorder

T. S. Sec. R. 50E  
County Powder River

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

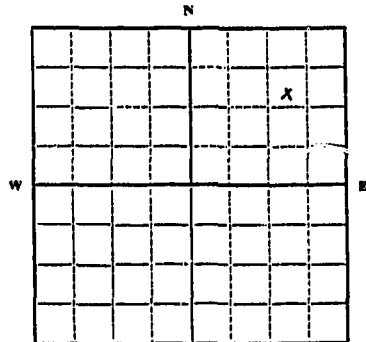
RECEIVED  
OCT 23 1963  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Northern Pacific Railway Company, of N.P. Bldg. St. Paul, Minn.  
(Name of Appropriator) (Address) (Town)

County of Ramsay State of Minnesota  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 25 T. 55 R. 50E

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 Furnishing water for livestock.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous since 1952.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gallons per minute.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Drilled in 1952.

8. The depth of water table 30 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 40 feet deep - 4-inch casing.

10. The estimated amount of groundwater withdrawn each year.

11. The log of formations encountered in the drilling of each well if available Not 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 No other information available.

Northern Pacific Railway Company  
Signature of Owner By [Signature]  
Dist. Supervisor, Graz. & Cult.  
Date

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.

6591

5307, Filed,  
12/31, 1963,  
at 11:30 A.M.

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Twp 2 S. Rge 10 E 25

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

RECEIVED  
MAR 9 1964

1. Carl Irion, of Oliva, Montana,  
County of POWDER RIVER, STATE OF MONTANA, have appropriated groundwater according to  
the Montana Laws in effect prior to January 1, 1962, as follows:

	28-50E	28-51E	28-50E			
	+	+	+	+	+	+
	Sec. 25	Sec. 25	Sec. 26	Sec.	Sec.	Sec.
WELLS	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
2. Beneficial Use	Stock	Stock	Stock			
3. DATE DRILLED	1954	1952	1957			
How continuously used	const.	const.	constant			
4. Amount Claimed (gal. per minute)	10 gpm	10 gpm	10 gpm			
Irrigated description						
Irrigation owner						
5. Irrigated acreage						
6. Location (40 acres) Withdrawal means	SRSW pump	SWYE pump	SESE pump			
7. Completion date.	1954	1952	1957			
8. Water depth table	68'	70'	40'			
Type (drilled or dug)	drilled	drilled	drilled			
9. Size & Depth	4"x80'	4"x152'	4"x60'			
10. Estimated annual amount withdrawn						
11. Other information						
12. Log, if available						
		NO LOGS				

STATE OF MONTANA )  
 ) ss.  
County of Powder River)

Signature of Owner: Carl Irion

Date 12/31/63

Carl Irion having first been duly sworn, deposes and says that he is of  
lawful age and is the appropriator and claimant of the order and water right mentioned in  
the foregoing Declaration of Vested Groundwater Rights and the person whose name is sub-  
scribed thereto, as the appropriator and claimant, that he knows the contents of said  
foregoing notice and that the matters and things therein stated are true.  
Subscribed and sworn to before me this

31st day of December, 1963.  
Billie S. Sedy  
Clerk & Recorder,  
River County, Broadus, Montana

Carl Irion

35413

5314, Filed,  
12-31, 1963,  
at 1:00 P.M.

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Twp 3 S, Rge 0 E 26

Lucille Godsey, deputy  
Clerk and Recorder  
\$2.00 fee paid

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

RECEIVED  
MAR 9 1964  
STATE ENGINEER

1. Chester R. Holst, of Olive, Montana  
County of POWDER RIVER, STATE OF MONTANA, have appropriated groundwater according to  
the Montana Laws in effect prior to January 1, 1962, as follows:

	Sec. 26 ✓	Sec. 26 ✓	Sec.	Sec.	Sec.	Sec.
WELLS	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
2. Basis of Beneficial Use	Domestic	Stock				
3. DATE DRILLED	1945	1936				
How continuously used	constant	constant				
4. Amount Claimed (gal. per minute)	10 gpm	10 gpm				
Irrigated description						
Irrigation owner						
5. Irrigated acreage						
6. Location (40 acres) Withdrawal means	SWW pump	SWW pump				
7. Completion date	1945	1936				
8. Water depth table	200'	283'				
Type (drilled or dug)	drilled	drilled				
9. Size & Depth	3" x 300'	4" x 300'				
10. Estimated annual amount withdrawn						
11. Other information						
12. Log, if available		NO LOGS				

STATE OF MONTANA )  
                          ) ss.  
County of Powder River)

Signature of Owner: Chester R. Holst

Chester R. Holst having first been duly sworn, deposes and says that he is of lawful age and is the appropriator and claimant of the order and water right mentioned in the foregoing Declaration of Vested Groundwater Rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.  
Subscribed and sworn to before me this  
31st day of December, 1963

Lucille Godsey, deputy  
Clerk & Recorder, Powder  
River County, Broadus, Montana

Chester R. Holst

(3548)

75870 Filed (2)  
 12-21-63  
 1963  
 10:05  
 A.H.  
 Leslie Godsey, Deputy

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

Twp 3 S, Rge 2 E  
 RECEIVED  
 JUN 11 1964

Clerk and Recorder  
 \$2.00 fee paid  
 DECLARATION OF VESTED GROUNDWATER RIGHTS  
 (Under Chapter 237, Montana Session Laws, 1961)

1. Albert & Hazel M. Jesse of Olive, Montana STATE ENGINEER  
 County of POWDER RIVER, STATE OF MONTANA, have appropriated groundwater according to  
 the Montana Laws in effect prior to January 1, 1962, as follows:

	33-50E	33-50E	33-50E	33-50E	33-50E 49E	48-50E
	Sec. 34	Sec. 34	Sec. 34	Sec. 30	Sec. 24	Sec. 2
W E L L S	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
2. Beneficial Use	Stock	Stock	Stock	Stock	Stock	Stock
3. How continuously used	unknown lit wells	unknown used constantly	unknown const.	unknown const.	unknown constant	unknown const.
4. Amount Claimed (gal. per minute)	5 gpm	5 gpm	5 gpm	3 gpm	3 gpm	3 gpm
Irrigated description						
Irrigation owner						
5. Irrigated acreage						
Location (40 acres)	NENE	NENE	NENE	SWE	NWN	SWE
6. Withdrawal means	pump	pump	pump	pump	pump	pump
7. Completion date	unknown	unknown	unknown	unknown	unknown	unknown
8. Water depth table	.	.	.	.	.	.
Type (drilled or dug)	drilled	drilled	drilled	dug	dug	dug
9. Size & Depth	4"x32'	4"x45'	4"x30'	40'	35'	48'
10. Estimated annual amount withdrawn						
11. Other information						
12. Log, if available			NO LOGS			

STATE OF MONTANA }  
 ss.  
 County of Powder River }  
 Hazel M. Jesse

Signature of Owner: /s/ Albert Jesse  
 Hazel M. Jesse  
 Date

having first been duly sworn, deposes and says that he is of  
 lawful age and is the appropriator and claimant of the order and water right mentioned in  
 the foregoing Declaration of Vested Groundwater Rights and the person whose name is sub-  
 scribed thereto, as the appropriator and claimant, that he knows the contents of said  
 foregoing notice and that the matters and things therein stated are true.  
 Subscribed and sworn to before me, this  
 11th day of November, 1963.

Clerk & Recorder, Powder  
 River County, Broadus, Montana

23172

75290, Filed,  
12-11, 19 63  
at 20105 AM.  
L. A. G. Godsey, deputy  
Clerk and Recorder  
\$2.00 fee paid

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Twp 34 S, Rge 3 E  
3 30  
**RECEIVED**  
JUN 11 1964

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

1. Albert & Hazel M. Jesse, of Olive, Montana  
County of POWDER RIVER, STATE OF MONTANA, have appropriated groundwater according to  
the Montana Laws in effect prior to January 1, 1962, as follows:

	38-50E	48-50E	48-50E	38-50E	38-49E	38-50E
	Sec. 1	Sec. 2	Sec. 2	Sec. 30	Sec. 26	Sec. 32
W.R.L.L.R.	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
2. Beneficial Use	Stock	Stock	Stock	Stock	Stock	Stock
DATE DRILLED	1943	1948	1960	1950	1949	1945
3. How continuously used	All wells	Used substantially				
4. Amount Claimed (gal. per minute)	5 gpm	5 gpm	5 gpm	5 gpm	5 gpm	5 gpm
Irrigated description						
5. Irrigation owner						
6. Location (40 acres)	NW 1/4	SW 1/4	NW 1/4	SW 1/4	NE 1/4	SW 1/4
7. Completion date	pump	pump	pump	pump	pump	pump
8. Water depth table	unknown	unknown	unknown	unknown	unknown	unknown
9. Size & Depth	Drilled 4"x110'	Drilled 4"x115'	Drilled 4"x105'	Drilled 4"x95'	Drilled 4"x115'	Drilled 4"x115'
10. Estimated annual amount withdrawn						
11. Other information						
12. Log, if available			NO LOGS			

STATE OF MONTANA)  
County of Powder River)  
Hazel M. Jesse &  
Hazel M. Jesse

Signature of Owner: \_\_\_\_\_

Date 12/31/63

having first been duly sworn, deposes and says that he is of lawful age and is the appropriator and claimant of the order and water right mentioned in the foregoing Declaration of Vested Groundwater Rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true. Subscribed and sworn to before me this 11th day of December, 1963.

Clerk & Recorder, Powder River County, Broadus, Montana

# 75083  
 Filed,  
 19  
 at M.  
 \$2.00 fee paid

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

Twp 5, Rge E

DECLARATION OF VESTED GROUNDWATER RIGHTS  
 Clerk and Recorder (Under Chapter 237, Montana Session Laws, 1961)

DEC 23 1963

D

1. RANDOLPH DEIBEL, of \_\_\_\_\_, \_\_\_\_\_  
 County of POWDER RIVER, State of MONTANA, have appropriated groundwater according to  
 the Montana Laws in effect prior to January 1, 1962, as follows:

	45-51E	45-52E	45-53E	45-54E	35-52E	35-53E
	+	+	+	+	+	+
	Sec. 18	Sec. 19	Sec. 20	Sec. 21	Sec. 22	Sec. 23
<b>WELLS</b>	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
2. Basis of Beneficial Use	Stock	Domestic	Stock	Stock	Stock	Stock
3. DATE OF USE						
3. How continuous						
4. Amount claimed (gal. per minute)				10,000	12,000	15,000
Irrigated description						
Irrigation owner						
5. Irrigated acreage						
6. Location					NESW	NWSW
6. Withdrawal means						
7. Completion date						
8. Water depth table						
Type (drilled or dug)	drilled	drilled	drilled	drilled	drilled	drilled
9. Size & depth						
10. Estimated annual Amount withdrawn						
11. Other information						
12. Log, if available						

STATE OF MONTANA )  
 ) ss.  
 County of Powder River )

Signature of Owner /s/ Randolph Deibel

Date

\_\_\_\_\_ having first been duly sworn, deposes and says that he is of lawful age and is the appropriator and claimant of the order and water right mentioned in the foregoing Declaration of Vested Groundwater Rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_

1130





75229, Filed,  
 at \_\_\_\_\_, 19\_\_\_\_,  
 \_\_\_\_\_ M.

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

Twp \_\_\_\_\_ S, Rge \_\_\_\_\_ E

Clerk and Recorder  
 \$2.00 fee paid

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

MAR 9 1961

1. ETHEL L. SMITH, of \_\_\_\_\_, County of POWDER RIVER, STATE OF MONTANA, have appropriated groundwater according to the Montana Laws in effect prior to January 1, 1962, as follows:

	35-49E	35-50E	35-49E	25-49E	25-49E	
	Sec. 1	Sec. 10	Sec. 10	Sec. 15	Sec. 15	Sec.
WELLS	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
2. Beneficial Use	Domestic	Domestic	Domestic	Domestic	Domestic	
3. How continuously used	1947	1949	1947	1947	1947	
4. (gal. per minute)			18 gpm	20 gpm	22 gpm	
Irrigated description						
8. Irrigated acreage						
6. Withdrawal means		MWSW				
7. Completion date						
8. Water depth table						
Type (drilled or dug)	Drilled	Drilled				
9. Size & Depth	10" - 120'	10" - 120'				
10. Estimated annual amount withdrawn						
11. Other information						
12. Log, if available						

STATE OF MONTANA )  
 ) ss.  
 County of Powder River )

Signature of Owner: Ethel L. Smith

Date: \_\_\_\_\_

Ethel L. Smith having first been duly sworn, deposes and says that he is of lawful age and is the appropriator and claimant of the order and water right mentioned in the foregoing Declaration of Vested Groundwater Rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.  
 \_\_\_\_\_  
 Clerk & Recorder, Powder  
 River County, Broadus, Montana

Ethel L. Smith

75209, Filed,  
1962, at .M.

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Twps. 3 S, Rge. 1 E

Clerk and Recorder  
\$2.00 fee paid

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

RECEIVED  
MAR 9 1962

1. ETHEL L. SMITH, of \_\_\_\_\_, County of POWDER RIVER, STATE OF MONTANA, have appropriated groundwater according to the Montana Laws in effect prior to January 1, 1962, as follows: STATE ENGINEER

	35-49E	35-50E	35-49E	25-49E	25-49E	
	+	+	+	+	+	+
	Sec. 1	Sec. 10	Sec. 10	Sec. 15	Sec. 15	Sec. 15
WELLS	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
Basis of Beneficial Use	Domestic Stock	Stock	Stock	Stock	Stock	
DATE DRILLED	1947	1949	spring	spring	spring	
How continuously used						
Amount Claimed						
4. (gal. per minute)			14	20	12	
Irrigated description						
Irrigation owner						
5. Irrigated acreage						
Location (40 acres)		NW 1/4				
6. Withdrawal means						
7. Completion date	1947	1949				
8. Water depth table						
Type (drilled or dug)	drilled	drilled				
9. Size & Depth	14 - 120'	14 - 120'				
Estimated annual amount withdrawn						
11. Other information						
12. Log, if available						

STATE OF MONTANA )  
County of Powder River ) ss.

Signature of Owner: Ethel L. Smith

Date: \_\_\_\_\_

Ethel L. Smith having first been duly sworn, deposes and says that he is of lawful age and is the appropriator and claimant of the order and water right mentioned in the foregoing Declaration of Vested Groundwater Rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true. Subscribed and sworn to before me this

27th day of \_\_\_\_\_ 1962.  
[Signature]  
Clerk & Recorder, Powder River County, Montana

Ethel L. Smith

-2-  
 # 74968 Filed,  
 \_\_\_\_\_, 19\_\_\_\_,  
 at \_\_\_\_\_ M.  
 \$2.00 fee paid

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

Twp 3 S, Rge 50 E

RECEIVED  
 DEC 23 1963

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

1. Edward Hulford, of Olive STATE ENGINEER,  
 County of POWDER RIVER, State of MONTANA, have appropriated groundwater according to  
 the Montana Laws in effect prior to January 1, 1962, as follows:

	3-50	2-50	3-50	3-50		
	Sec. 4	Sec. 33	Sec. 4	Sec. 4	Sec.	Sec.
WELLS	No. 7	No. 8	No. 9	No. 10	No. 5	No. 6
2. Basis of Beneficial Use	domestic	stock	stock	stock		
3. DATE OF USE	1952	1963	1963	1959		
How continuous	constant	constant	constant	constant		
4. Amount claimed (gal. per minute)	12	10	12	15		
Irrigated description						
Irrigation owner						
5. Irrigated acreage						
6. Location	NSNW	NESW	SESW	SWSW		
Withdrawal means	pump	pump	pump	pump		
7. Completion date	1952	1963	1963	1959		
8. Water depth table	30'	15'	20'	35'		
Type (drilled or dug)	drilled	drilled	drilled	drilled		
9. Size & depth	4" x 250'	4" x 120'	4" x 110'	4" x 150'		
10. Estimated annual Amount withdrawn						
11. Other information						
12. Log, if available						

STATE OF MONTANA )  
 ) ss. Signature of Owner \_\_\_\_\_  
 County of Powder River )

Edward Hulford Date 12-2-63  
 having first been duly sworn, deposes and says  
 that he is of lawful age and is the appropriator and claimant of the order and water rights  
 mentioned in the foregoing Declaration of Vested Groundwater Rights and the person whose  
 name is subscribed thereto, as the appropriator and claimant, that he knows the contents  
 of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me this 2nd day of December, 1963.  
 \_\_\_\_\_  
 74968

75009 . Filed, (3)  
 at \_\_\_\_\_, 19\_\_\_\_,  
 \$2.00 fee paid

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

Twp ~~2~~ S, Rge ~~5~~ E

RECEIVED  
 DEC 23 1963

DECLARATION OF VESTED GROUNDWATER RIGHTS  
 (Under Chapter 237, Montana Session Laws, 1962)

1. Joe Himelspach, of Coalwood, STATE ENGINEER,  
 County of POWDER RIVER, State of MONTANA, have appropriated groundwater according to  
 the Montana Laws in effect prior to January 1, 1962, as follows:

35-50E - CLERK & RECORDER.

WELLS	35-50E	25-50E	25-51E			
	No. 1/13	No. 2/11	No. 3/15	No. 4	No. 5	No. 6
2. Basis of Beneficial Use	Stock	Stock	Stock			
3. DATE OF USE	1952	1945				
How continuous	6 months	constant	constant			
4. Amount claimed (gal. per minute)	5 gpm	8 gpm	8 gpm			
Irrigated description						
Irrigation owner						
5. Irrigated acreage						
6. Location	SEME	NSW	NSW			
Withdrawal means	pump	pump	spring			
7. Completion date	1952	1945				
8. Water depth table	28'	30'	-0-			
Type (drilled or dug)	drilled	drilled				
9. Size & depth	4"x110'	4"x110'	-0-			
10. Estimated annual amount withdrawn						
11. Other information						
12. Log, if available		NO LOGS				

STATE OF MONTANA ) ss. Signature of Owner /s/ Joe Himelspach

County of Powder River) Date 12/10/63

Joe Himelspach having first been duly sworn, deposes and says that he is of lawful age and is the appropriator and claimant of the order and water rights mentioned in the foregoing Declaration of Vested Groundwater Rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me this 10th day of December, 1963  
 Clerk and Recorder, Powder River County

75187

File No. \_\_\_\_\_  
Filed: \_\_\_\_\_ 19\_\_\_\_  
at \_\_\_\_\_, M.

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

~~T. R. SUE~~  
T. S. R. SUE

Clerk and Recorder  
Powder River County

RECEIVED  
MAR 9 1964

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL  
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

OWNER Charles Carter Address Olive, Mont

DRILLER Earl Drane Address Broadus, Mont.

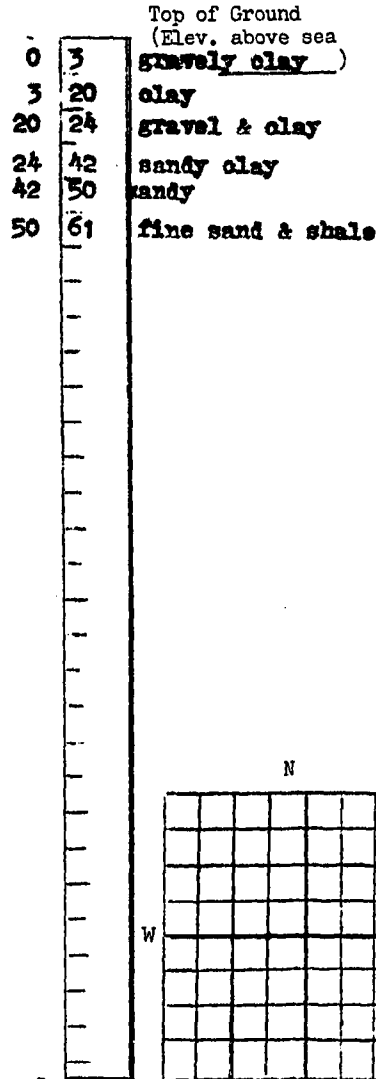
Date of Notice of Appropriation of Groundwater \_\_\_\_\_

Date well started 11-30-63 Completed 11-30-63

Type of well drilled Equipment used rotary  
(dug, driven, bored, drilled) (churn, drill, rotary, other)

Water Use: Domestic  Municipal  Stock  Other   
Industrial  Drainage  Irrigation

Indicate on diagram character and thickness of different strata met in drilling -ei, soil, clay, shale, gravel, rock, sand. Show depth at which water is found, thickness and character of water-bearing strata and height to which water rises in well.



Size of Drilled Hole	Size & Weight of Casing	From (feet)		To (feet)		PERFORATIONS	
		From	To	Kind Size	From (feet)	To (feet)	
6"	4" I.D. 9#	0	61	slots	42	61	

Static Water Level for non-flowing well 30 feet.

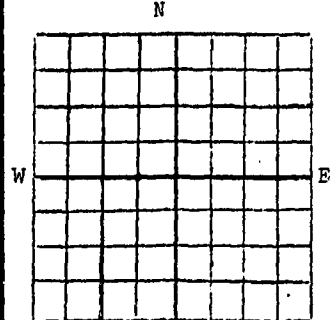
Shut-in Pressure for Flowing Well \_\_\_\_\_

Pumping Water Level 30 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well \_\_\_\_\_

How Tested pumping & bailing Length of Test 2 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of use if not at well, other similar pertinent information, including number of acres irrigated, if any)



NW 1/4 Sec. 16, T. 1 S., R. 1 W.

STATE OF MONTANA )  
County of \_\_\_\_\_ ) SS.

\_\_\_\_\_ having first been duly sworn, depose and say that he \_\_\_\_\_ of lawful age and \_\_\_\_\_ the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name \_\_\_\_\_ subscribed thereto, as the appropriator and claimant, that he know the contents of said foregoing notice and that the matters and things therein stated are true.

20  
Driller's License Number  
Earl Drane  
Driller's Signature

Subscribed and sworn to before me, this \_\_\_\_\_ day of \_\_\_\_\_, 1964

County POWDER RIVER Twp. 3-SOUTH Rge. 5-EAST

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
2	CARTER, GEORGE L.		75201	} SAME FORM
2	" "		75201	
3	AMEN, KEN		85558	
4	MANGEN, CHRIS		74978-2	} SAME FORM
4	MANGEN, CHRIS		74978-2	
5	HALL, NEWMAN		84461	
5	HALL, NEWMAN		71840	
5	HALL, NEWMAN		71840	
5	DORR, FLORENCE		75243	} SAME FORM
6	" "		75243	
6	" "		75243	
7	EMMONS RANCH, INC.		73695	
8	HALL, NEWMAN		71840	
8	HALL, NEWMAN		71840	
10	CARTER, GEORGE L.		75201	SEE SEC. 20
10	MANGEN, CHRIS		74978-2	SEE SEC. 4
13	ULRICH, KARL		75738	
15	MANGEN, CHRIS		74978-2	SEE SEC. 4
15	MANGEN, CHRIS		74978	
16	HALL, NEWMAN		71840	
17	HALL, NEWMAN		71840	
17	HALL, NEWMAN		85657	
18	EMMONS RANCH, INC.		73695	SEE SEC. 7
18	EMMONS RANCH, INC.		73695	SEE SEC. 7
18	EMMONS RANCH, INC.		92724	
19	EMMONS RANCH, INC.		92723	
20	HALL, NEWMAN		71840	
21	HALL, NEWMAN		71840	
21	HALL, NEWMAN		73526	
24	EMMONS, RANCH, INC.		73695	SEE SEC. 7
25	MANGEN, CHRIS		74978	} SEE SEC. 15
25	" "		74978	
26	MARKER, DONALD		87431	
26	SEVEROVIC, MAE		73522	} SAME FORM
26	" "		73522	
27	MANGEN, CHRIS		74978	
29	EMMONS RANCH, INC.		73695	SEE SEC. 7
30	MANGEN, CHRIS		74978-2	SEE SEC. 4
30	EMMONS RANCH, INC.		73695	
30	EMMONS RANCH, INC.		92726	
31	SMITH, CARL M. & SONS, INC.		73526	
32	MARKER, DONALD J.		72063	
32	MARKER, DONALD		73688	
33	MYLEES, NED		73689	} SAME FORM
33	MYLEES, NED		73689	
34	MANGEN, CHRIS		74978	SEE SEC. 15





# 75200, Filed,  
12/27/63 1963,  
 at 1:50 P.M.

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

Twp 3 S, Rge 51 E

RECEIVED  
 MAR 9 1964

George L. Carter, Deputy  
 Clerk and Recorder \$2.00 fee paid  
 DECLARATION OF VESTED GROUNDWATER RIGHTS  
 (Under Chapter 237, Montana Session Laws, 1961)

1. George L. Carter, of Broadus, Montana,  
 County of POWDER RIVER, STATE OF MONTANA, have appropriated groundwater under  
 the Montana Laws in effect prior to January 1, 1962, as follows:

	Sec. <u>10</u>	Sec. <u>9</u>	Sec. <u>10</u>	Sec.	Sec.	Sec.
W E L L S	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
Basis of	Domestic					
2. Beneficial Use	Stock	Stock	Stock			
DATE DRILLED	1909	1930	1936			
3. How continuously used	constant	constant	6 mo.			
Amount Claimed						
4. (gal. per minute)	25 gpm	25 gpm	10 gpm			
Irrigated description						
Irrigation owner						
5. Irrigated acreage						
Location (40 acres)	near	near	near			
6. Withdrawal means	pump	not used	pump			
7. Completion date	1909	1930	1936			
8. Water depth table	15'	20'	30'			
Type (drilled or dug)	drilled	drilled	drilled			
9. Size & Depth	1" x 63'	1" x 85'	1" x 160'			
Estimated annual						
10. amount withdrawn						
11. Other information						
12. Log, if available		NO LOGS				

STATE OF MONTANA )  
 ) ss.  
 County of Powder River)

Signature of Owner: George L. Carter

Date 12/27/63

George L. Carter having first been duly sworn, deposes and says that he is of  
 lawful age and is the appropriator and claimant of the order and water right mentioned in  
 the foregoing Declaration of Vested Groundwater Rights and the person whose name is sub-  
 scribed thereto, as the appropriator and claimant, that he knows the contents of said  
 foregoing notice and that the matters and things therein stated are true.  
 Subscribed and sworn to before me this

27th day of December, 1963.  
George L. Carter  
 Clerk & Recorder, Powder  
 River County, Broadus, Montana

George L. Carter

File No. 95558  
Filed: 12-29-1969  
at 1:00 P. M.

INDEXED \_\_\_\_\_

Notice of COMPLETION of Groundwater  
Appropriation by Means of Well  
Powder River County (Under Chapter 237, Montana Session Laws, 1961)

OWNER Ken Amen Address Olive, Mont.  
DRILLER Earl Drane Address Broadus, Mont.

Date of Notice of Appropriation of Groundwater \_\_\_\_\_  
Date well started Dec. 1969 Completed Dec. 1969  
Type of Well drilled \_\_\_\_\_ Equipment Used rotary  
(dug, driven, bored, drilled) (churn, drill, rotary, etc.)

0  
17  
36  
58  
75  
80

17 yellow clay & sand  
36 blue shale  
58 yellow sand  
75 coal strks  
80 b luc sand  
80 coal

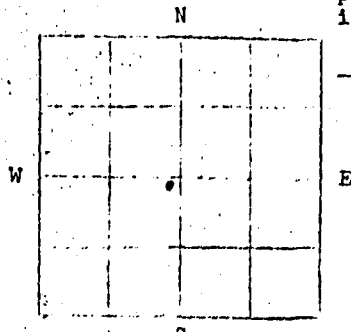
Water Use: Domestic \_\_\_\_\_; Municipal \_\_\_\_\_; Stock X; Other \_\_\_\_\_;  
Industrial \_\_\_\_\_; Drainage \_\_\_\_\_; Irrigation \_\_\_\_\_;

Indicate on diagram character and thickness of different strata met in drilling -ei, soil, clay, shale, gravel, rock, sand. Show depth at which water is found, thickness and character of water-bearing strata and height to which water rises in well.

Size of Drilled Hole	Size and Weight of Casing	From (feet)	To (feet)	Perforations		
				Kind	From Size (feet)	To (feet)
6"	4" I.D. 10#	0	80	slots 4-3/8"	40	80

Static Water Level for non-flowing well 40" feet  
Shut-in Pressure for Flowing Well \_\_\_\_\_  
Pumping Water Level 54 feet at 15 gal. per minute.  
Discharge in Gal. per min. of flowing well \_\_\_\_\_  
How Tested bailing Length of Test 2 hrs.

Remarks: (Gravel packing, cementing, packers, type of shut-off, location of use if not at well, other similar pertinent information, including number of acres irrigated, if any.)



20  
Driller's License NO.  
Earl Drane  
Driller's Signature

Sec 3, Twp. 35, Rge 51 East.

STATE OF MONTANA)  
County of Powder River) ss.

Ken Amen having first been duly sworn, deposes and says that he is of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Owner's Signature Ken Amen

Subscribed and sworn to before me, this 29 day of Dec, 1969.

Charlton Edwards  
Clerk and Recorder, Powder River Co.  
Broadus, Montana  
Ref. Dept. Deputy

12-29-69

# 74978 Filed,  
 \_\_\_\_\_, 19\_\_\_\_,  
 at \_\_\_\_\_ N.  
 \$2.00 fee paid

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

Twp 3 S, Rge 2 E

RECEIVED  
 DEC 23 1963

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

STATE ENGINEER,

1. Chris Mangan, of Brookings  
 County of POWDER RIVER, State of MONTANA, have appropriated groundwater according to  
 the Montana Laws in effect prior to January 1, 1962, as follows:

WELLS	Sec. 15	Sec. 10	Sec. 1	Sec. 1	Sec. 30	Sec.
	No. 27	No. 28	No. 29	No. 30	No. 31	No. 6
2. Basis of Beneficial Use	stock	stock	stock	stock	stock	
3. DATE OF USE	unknown	1925	July 1939	1935	Oct. 1961	
How continuous	constant	constant	constant	constant	constant	
4. Amount claimed (gal. per minute)	1 gpm	5 gpm	8 gpm	6 gpm	15 gpm	
Irrigated description						
Irrigation owner						
5. Irrigated acreage						
6. Location	SENE	SENE	CENTER	SENE	SENE	
Withdrawal means	flow	pump	pump	pump	pump	
7. Completion date	unknown	1925	July 1939	1935	Oct. 1961	
8. Water depth table	-0-	120'	20'	120'	60'	
Type (drilled or dug)	drilled	drilled	drilled	drilled	drilled	
9. Size & depth	unknown	4" x 150'	4" x 73'	2" x 180'	4" x 150'	
10. Estimated annual amount withdrawn						
11. Other information						
12. Log, if available			#2 0-5 surface soil 5-21 sandstone 21-48 blue shale 48-64 water sand 64-73 blue shale		#11 0-29 surface sandy 29-32 coal 32-94 sandy shale 94-108 coal 108-150 water sand	

STATE OF MONTANA)  
 ) ss.  
 County of Powder River)

Signature of Owner /s/ Chris Mangan

Date 11-19-63

having first been duly sworn, deposes and says that he is of lawful age and is the appropriator and claimant of the order and water right mentioned in the foregoing Declaration of Vested Groundwater Rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

11763-A

Powder River

File No. 84463  
Filed: 5-13-1969  
at 1:00 P. M.

INDEXED

GN-2

Charlotte Edwards  
Clerk and Recorder  
Powder River County (Under Chapter 237, Montana Session Laws, 1961)  
By Myrtle M. Edensow, Deputy

Notice of COMPLETION of Groundwater  
Appropriation by Means of Well

Twp. 25 Rge 51E  
Sec. 5

Fee- \$2.00 OWNER NEWMAN HALL Address OLIVE, MONT.  
Top of Ground - DRILLER EARL DRAVE Address BROADUS, MONT.  
Elev. above sea level.

- 0 2 top soil
- 2 18 yellow clay
- 18 34 gravel
- 34 150 blue shale w/coal
- 150 180 blue shale
- 180 218 gray shale w/coal
- 218 246 sand w/coal
- 246 248 blue shale w/coal
- 248 351 coal
- 351 385 blue shale
- 385 388 rock
- 388 395 sand
- 395 396 sand rock
- 396 414 sand
- 414 500 blue shale w/coal
- 500 552 blue shale
- 552 564 sand
- 564 570 blue shale
- 570 581 blue sand

Date of Notice of Appropriation of Groundwater \_\_\_\_\_  
Date well started 6-25-68 Completed 7-1-68

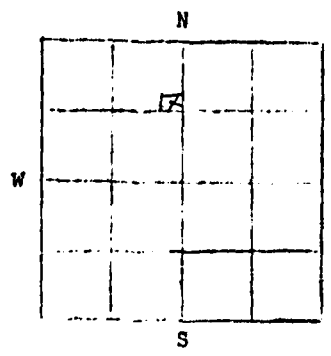
Type of Well drilled Equipment Used rotary  
(dug, driven, bored, drilled) (churn, drill, rotary, etc)  
Water Use: Domestic ; Municipal ; Stock ; Other ;  
Industrial ; Drainage ; Irrigation

Indicate on diagram character and thickness of different strata met in drilling - si, soil, clay, shale, gravel, rock, sand. Show depth at which water is found, thickness and character of water-bearing strata and height to which water rises in well.

Size of Drilled Hole	Size and Weight of Casing	From (feet)	To (feet)	Perforations		
				Kind	From (feet)	To (feet)
8"	6"	0	30	slotted	388	414
6"	4 1/2" 23	420	581	1" x 1/4"	552	581

Static Water Level for non-flowing well 230 feet  
Shut-in Pressure for Flowing Well \_\_\_\_\_  
Pumping Water Level 320 feet at 10 gal. per minute.  
Discharge in Gal. per min. of flowing well \_\_\_\_\_  
How Tested pumping Length of Test 3 hrs.

Remarks: (Gravel packing, cementing, packers, type of shut-off, location of use if not at well, other similar pertinent information, including number of acres irrigated, if any.)



20  
Driller's License NO.  
Earl Drave  
Driller's Signature

MONTANA WATER RESOURCES BOARD  
**RECEIVED**  
MAY 21 1969

Sec. 5, Twp. 25, Rge 51 East.

STATE OF MONTANA)  
County of Powder River) ss.

Newman Hall having first been duly sworn, deposes and says that he is of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Owner's Signature Newman Hall

Subscribed and sworn to before me, this 19 day of May, 1968

45,247

Charlotte Edwards  
Clerk and Recorder  
By Myrtle M. Edensow, Deputy

71840 FILED

COMPILED BY  
DATE  
BY  
FILE

T. 3 S. R. 51 E.  
County. Powell

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
FEB 14 1962

WATER WELL LOG

STATE ENGINEER


Owner. Lawman Hall Address. Olney

Driller..... Address.....

Date Started..... Date Completed.....

Location: Sec. 5 T. 3 S. R. 51 1/4 sec. SE 22 W

Type of well..... Drilled Equipment used..... Rotary  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other:.....

Casing:..... ft. to..... ft. Type..... Block Size..... 4"

Casing:..... ft. to..... ft. Type..... Size.....

Casing:..... ft. to..... ft. Type..... Size.....

Perforated or Screened: Ft..... 1 to ft..... 20 Ft..... to ft.....

Type of screen or perforations..... perforated

Static Water level, for non-flowing well:..... ? ..... feet.

Shut-in pressure, for flowing well:..... ? ..... lb./sq. in. on:..... 19.51  
(date)

Pumping water level..... 26' feet at..... 5 gal. per min.

How tested:.....

Length of test.....

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Additional Water Well Logs to be added.

71840  
35-R31E  
Sec. 17

T. \_\_\_\_\_ R. \_\_\_\_\_  
County \_\_\_\_\_

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
FEB 14 1962

WATER WELL LOG

STATE ENGINEER


Owner Lawrence Hill Address Oliver 5th St.

Driller ? Address \_\_\_\_\_

Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

Location: Sec 5 T. 3 R. 51E 1/4 sec SW NW

Type of well Aug Equipment used \_\_\_\_\_  
(Pug, driven, bored, or drilled) (Cable drill, rotary, other)

Water use: Domestic  Municipal  Stock  Irrigation

Industrial  Drainage  Other: \_\_\_\_\_

Casing: rock ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: 16 ft. to \_\_\_\_\_ ft. Type rock Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Filed  
 7543  
 12-30 1963  
 at 10:35 A.M.  
 Lucille Godey, Deputy  
 Clerk and Recorder  
 \$2.00 fee paid

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

Twp 3 S, Rge 1 E  
**RECEIVED**  
 MAR 9 1964  
 STATE ENGINEER

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

1. Florence Dorr, of Broadus, Montana  
 County of POWDER RIVER, STATE OF MONTANA, have appropriated groundwater according to  
 the Montana Laws in effect prior to January 1, 1962, as follows:

	Sec. 6 No. 1	Sec. 6 No. 2	Sec. 5 No. 3	Sec. No. 4	Sec. No. 5	Sec. No. 6
WELLS						
Basis of						
2. Beneficial Use	Domestic	stock	stock			
DATE DRILLED	1945	1957	1940			
3. How continuously used	constant	constant	constant			
Amount Claimed						
4. (gal. per minute)	471	471	471			
Irrigated description						
Irrigation owner						
5. Irrigated acreage						
Location (40 acres)	NW 1/4	SW 1/4	NW 1/4			
6. Withdrawal means	pump	windmill	windmill			
7. Completion date	1945	1957	1940			
8. Water depth table	105'	10'	57'			
Type (drilled or dug)	drilled	drilled	drilled			
9. Size & Depth	4"x14.5"	4"x40"	4"x90"			
Estimated annual						
10. amount withdrawn						
11. Other information						
12. Log, if available		NO LOGS				

STATE OF MONTANA )  
 ) ss.  
 County of Powder River )

Signature of Owner: Florence Dorr

Date 12/30/63

Florence Dorr having first been duly sworn, deposes and says that he is of  
 lawful age and is the appropriator and claimant of the order and water right mentioned in  
 the foregoing Declaration of Vested Groundwater Rights and the person whose name is sub-  
 scribed thereto, as the appropriator and claimant, that he knows the contents of said  
 foregoing notice and that the matters and things therein stated are true.  
 Subscribed and sworn to before me this

30th day of December, 1963.  
Lucille Godey, Deputy  
 Clerk & Recorder, Powder  
 River County, Broadus, Montana

Florence Dorr

35357

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

STATE ENGINEER

1. EMMONS RANCH, INC., of Gliva, Montana,  
County of POWDER RIVER, State of MONTANA, have appropriated groundwater according to the  
Montana laws in effect prior to January 1, 1962, as follows:

WELLS	Sec. 29	Sec. 7	Sec. 30	Sec. 24	Sec. 18	Sec. 18
	No. 6	No. 7	No. 8	No. 9	No. 10	No. 11
2. Basis of Beneficial Use	stock	stock	stock	stock	domestic	irrigation
3. Date of use	10-24-53	11-20-56	1944	1-1-56	1930	1958
3. How continuous	5 mo. av.	5 mo. av.	5 mo. av.	5 mo. av.	constant	3 mo. constant
4. Amount claimed	?	3 gpm	20 gpm	30 gpm	5 gpm	200 gpm
Irrigated description						NESW
5. Irrigation owner						Emmons Ranch
6. Location	SESW	NWNW	NENW	SWNE	NESW	NESW
6. Withdrawal means	pump	pump	pump	pump	pump	pump
7. Completion date	10-24-53	11-20-56	1944	1-1-56	1930	1958
8. Water depth table	10'	65'	30'	12'	12'	12'
Type	drilled	drilled	drilled	drilled	drilled	drilled
9. Size & depth	1" 126'	1" 80'	1" 85'	1" 10'	1" 120'	12' 24'
10. Estimated annual amount withdrawn	?	200,000	135,000	500,000	200,000	500,000
11. Other information						
12. Log, if available	#6 -0-10 surf. 10-20 blue shale 20-80 " " 80-110 water sand 110-130 blue shale	-0-	-0-	-0-	-0-	-0-

STATE OF MONTANA )  
County of Powder River ) ss.

Signature of Owner /s/ Charley Emmons

Date 12-31-62

Charley Emmons having first been duly sworn, deposes and says that he is of lawful age and is the appropriator and claimant of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me this  
31st day of December, 1962.

/s/ Charley Emmons

William H. Haskins deputy  
Clerk and Recorder  
Powder River County  
Broadus, Montana

3259



~~77-2~~ well 40'  
3 FILE NO. 171,840  
Sec. T3S R51E  
Sec. 17

165710 100

T. 3 R. 51 E  
County Parish

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
FEB 14 1957

WATER WELL LOG

STATE ENGINEER


Owner: Marion Hull Address: Olney, Mont.  
Driller: Frank Hardy Jr. Address: Branda, Mont.  
Date Started: Sept - 1957 Date Completed: Sept - 1957  
Location: Sec. 8 T. 3 R. S1E4 sec. NW 1/4

Type of well: dug Equipment used: rotary  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other: \_\_\_\_\_

Casing: 40 ft. to \_\_\_\_\_ ft. Type: Black Size: 4"

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type: \_\_\_\_\_ Size: \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type: \_\_\_\_\_ Size: \_\_\_\_\_

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations: \_\_\_\_\_

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: \_\_\_\_\_

Length of test: \_\_\_\_\_

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	25	surface soil
25	40	sand & gravel

Hand well 70'

1 File No. 71840  
Sec T3S R51E  
Sec. 17

T. 3 R. 51 E  
County Park

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
FEB 14 1962

WATER WELL LOG

STATE ENGINEER


Owner Thomas Hill Address Chico, Mont.

Driller Frank Kelly Jr. Address Bozeman, Mont.

Date Started 1952 Date Completed 1952

Location: Sec. 8 T. 3 R. 51 E 1/4 sec NW SE

Type of well drilled Equipment used rotary  
(Dug, driven, bored, or drilled) (Cable dig, rotary, other)

Water use: Domestic  Municipal  Stock  Irrigation

Industrial  Drainage  Other: \_\_\_\_\_

Casing: 7.2 ft. to \_\_\_\_\_ ft. Type drill Size 4"

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations \_\_\_\_\_

\_\_\_\_\_ feet.



File No. 15138  
 Filed: 19  
 at May 27, 1964  
9:08 A.

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

T 3S R 13  
51E

Clara C. Gentry, Deputy  
 Powder River County

RECEIVED  
 JUN 11 1964

NOTICE OF COMPLETION OF GROUNDWATER  
 APPROPRIATION BY MEANS OF WELL  
 (Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Top of Ground  
 (Elev. above sea  
 level) \_\_\_\_\_

0 - 40 clay  
 40 - 100 shale  
 100 - 120 sand  
 120 - 170 shale  
 170 - 172 rock  
 172 - 210 shale  
 210 - 212 rock  
 212 - 250 water sand

OWNER Karl Ulrich Address Broadus, Mont.  
 DRILLER Carl Drane Address Broadus, Mont.  
 Date of Notice of Appropriation of Groundwater \_\_\_\_\_

Date well started 4-20-64 Completed 4-23-64

Type of well drilled Equipment used \_\_\_\_\_  
 (dug, driven, bored, drilled) (churn, rotary, other)

Water Use: Domestic  Municipal  Stock  Other   
 Industrial  Drainage  Irrigation

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

Size of Drilled Hole	Size of Casing	Weight of Casing	From To		PERFORATIONS	
			(feet)	(feet)	Kind Size	From To (feet)
6"	4"	9#	0	250	slots 1/4" x 4"	216 250

Static Water Level for non-flowing well 150 feet.

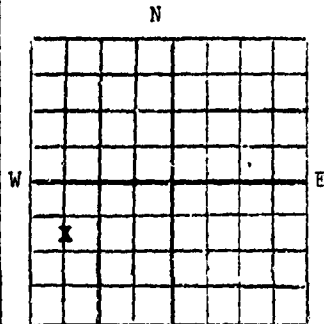
Shut-in Pressure for Flowing Well \_\_\_\_\_

Pumping Water Level 18.3 feet at \_\_\_\_\_ gal. per minute

Discharge in gal. per min. of flowing well \_\_\_\_\_

How Tested \_\_\_\_\_ Length of Test \_\_\_\_\_

Remarks: (Gravel packing, cementing, packers, ty-bells shutoff, location of use if not at well, other similar pertinent information, including number of acres irrigated, if any)



NW 1/4 SW 13 Sec. 5 T. 3S R. 51E

STATE OF MONTANA  
 County of Powder River )SS.

\_\_\_\_\_ having first been duly sworn, depose and say that Karl Ulrich of lawful age and \_\_\_\_\_ the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name \_\_\_\_\_ subscribed thereto, as the appropriator and claimant, that he know the contents of said foregoing notice and that the matters and things therein stated are true.

Karl Ulrich  
 \_\_\_\_\_  
 Driller's Signature

20 Driller's License Number  
Carl Drane  
 Driller's Signature

Subscribed and sworn to before me, this 27th day of May, 1964

Lucille Boddy Deputy  
 Clerk and Recorder  
 Powder River County  
 Broadus, Montana

39175

File No. 74978  
 filed 12-10-63 at 2:00 P.M.  
 \$2.00 fee pd.  
 Lucille Godsey, deputy  
 Clerk and Recorder

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

Twp. 3 S, Rge. 5 E

RECEIVED  
 DEC 23 1963

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

1. Chris Mangan, of Broadus, STATE ENGINEER  
 County of POWDER RIVER, State of MONTANA, have appropriated groundwater according to the  
Montana laws in effect prior to January 1, 1962, as follows:

W E L L S	Sec. 34	Sec. 27	Sec. 34	Sec. 25	Sec. 25	Sec. 15
	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
2. Beneficial Use	Domestic & stock	stock	stock	stock	stock	stock
3. Date of use	1926	1950	unknown	8-1950	7-1931	9-1959
How continuous	constant	constant	constant	constant	constant	constant
4. Amount claimed	10 gpm	8 gpm	1 gpm	25 gpm	25 gpm	10 gpm
Irrigated description						
5. Irrigation owner						
6. Withdrawal means	ESW pump	ESW pump	SEW flow	ESW pump	ESW pump	ESW pump
7. Completion date	1926	1950	unknown	Aug. 1950	July 1931	Sept. 1959
8. Water depth table	50'	50'	unknown	130'	123'	125'
Type	drilled	drilled	drilled	drilled	drilled	drilled
9. Size & depth	1 1/2" x 150'	1 1/2" x 150'	unknown	1 1/2" x 284'	2" x 373'	1 1/2" x 150'
10. Estimated annual amount withdrawn						
11. Other information						
12. Log, if available	#4 - 0-7 surface soil 7-9 coal 9-13 blue shale 13-60 sand rock 60-61 coal 61-78 blue shale 78-84 coal 84-120 blue shale 120-128 hard rock 128-136 sand rock 136-137 hard rock 137-139 coal 139-220 blue shale 220-221 hard rock 221-229 sand rock 229-255 blue shale 255-256 hard rock 256-275 water sand 275-284 blue shale		#5 - other side		#6 0-11 sand surface 11-101 blue shale & coal 101-113 sandstone 113-150 blue shale	

STATE OF MONTANA )  
 County of Powder River ) ss.

Signature of Owner Chris Mangan

Date 11-10-63

Chris Mangan having first been duly sworn, deposes and says that he is of lawful age and is the appropriator and claimant of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me this  
19th day of December, 1963.

Lucille Godsey Deputy  
 Clerk and Recorder  
 Powder River County  
 Broadus, Montana

Chris Mangan

11763

#5 0-40 gray shale  
40-48 yellow sandstone - water at 1 qt. per min.  
48-58 dark gray shale  
52-54 coal  
54-94 light gray shale  
94-96 rock  
96-104 gray shale  
104-108 gray sandstone  
108-112 gray shale & showing of coal  
112-120 black " " " " "  
120-122 coal  
122-142 gray shale  
142-144 rock  
144-151 black shale  
151-175 gray shale  
175-185 black "  
185-190 gray "  
190-200 black "  
200-208 gray "  
208-216 sand stone  
216-218 coal  
218-220 gray shale  
220-224 coal  
224-228 gray shale  
228-230 coal  
230-247 sandy gray shale  
247-250 coal  
250-292 gray shale  
292-294 coal  
294-298 gray shale  
298-305 " " & sand  
305-311 " " "  
311-316 green "  
316-317 rock  
317-328 gray shale  
328-335 green "  
335-362 gray "  
362-372 sandstone & water-raises 250 feet  
372-373 rock

*Edglow*

File No. 71240  
Sec T35 R51E  
Sec 17

T. \_\_\_\_\_ R. \_\_\_\_\_

County \_\_\_\_\_

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
FEB 14 1962

WATER WELL LOG

STATE ENGINEER


Owner *Hummer Hall* Address *Chin, Mont.*

Driller *Frank Brady* Address *Brady, Mont.*

Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

Location: Sec. *16* T. *3* R. *51E* sec. *SW NW*

Type of well *dug* Equipment used *rotary*  
(Dug, driven, bored, or drilled) (Chain drive, rotary, other)

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other: \_\_\_\_\_

Casing: *75* ft. to \_\_\_\_\_ ft. Type *Alu* Size *6"*

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations \_\_\_\_\_

Static Water level, for non-flowing well: \_\_\_\_\_






FILED 71540

County Clerk and Recorder  
County of Powell, Montana  
I hereby certify that the within  
instrument is a true and correct copy of  
this decree, on the 29th day of  
Dec. A. D. 1961  
at 1:25 o'clock P. M.

T. S. R. R. 51R  
County Powder River

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
FEB 14 1962

WATER WELL LOG

Covered by Maps and Base Plans  
By *Charles E. Johnson*

STATE ENGINEER


Owner Newman Hall Address Oliver, Montana

Driller Frank Bandy, Jr. Address Broadus, Montana

Date Started April - 1961 Date Completed April, 1961

Location: Sec. 17 T. 58 R. 51 R 1/4 sec. NESE

Type of well Drilled Equipment used rotary  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other: \_\_\_\_\_

Casing: 142 ft. to \_\_\_\_\_ ft. Type Black Size 4"

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations: \_\_\_\_\_

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: \_\_\_\_\_

Length of test: \_\_\_\_\_

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(over)



RECEIVED

Twp. 3 S, Rg 51 E

JAN 19 1970

Sec. 17

File No. 85657  
Filed: 1/16 1970  
at 9:17 A. M.

INDEXED

Charlotte Edwards  
Clerk and Recorder  
Powder River County (Under Chapter 237, Montana Session-Laws, 1961)

Notice of COMPLETION of Groundwater  
Appropriation by Means of Well

By: Walter G. Dwyer Deputy  
OWNER Newman Hall Address Olive, Mont.  
Top of Ground -  
Elev. above sea level. DRILLER Earl Drane Address Broadus, Mont.

Date of Notice of Appropriation of Groundwater \_\_\_\_\_

Date well started Dec. 1969 Completed Dec. 1969

Type of Well drilled Equipment Used rotary  
(dug, driven, bored, drilled) (churn, drill, rotary, etc)

Water Use: Domestic    ; Municipal    ; Stock x; Other    ;  
Industrial    ; Drainage    ; Irrigation    ;

Indicate on diagram character and thickness of different strata met in drilling -ci, soil, clay, shale, gravel, rock, sand. Show depth at which water is found, thickness and character of water-bearing strata and height to which water rises in well.

0 - 37 clay  
37 - 50 sand & coal  
50 - 60 blue shale

Size of Drilled Hole	Size and Weight of Casing	From (feet)	To (feet)	Perforations		
				Kind	From (feet)	To (feet)
6"	4"	11#	0	60 slots	39	60

Static Water Level for non-flowing well 30 feet

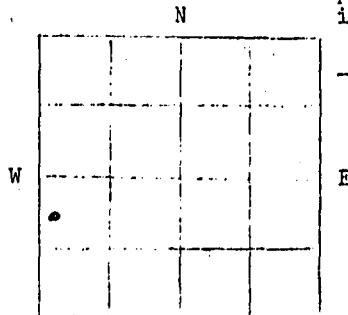
Shut-in Pressure for Flowing Well \_\_\_\_\_

Pumping Water Level 54 feet at 5 gal. per minute

Discharge in Gal. per min. of flowing well \_\_\_\_\_

How Tested balling Length of Test 1 hr.

Remarks: (Gravel packing, cementing, packers, type of shut-off, location of use if not at well, other similar pertinent information, including number of acres irrigated, if any.)



20  
Driller's License NO.

Earl Drane  
Driller's Signature

Sec. 17, Twp. 3<sup>S</sup>, Rge 51<sup>E</sup> East.

STATE OF MONTANA  
County of Powder River) ss.

Newman Hall having first been duly sworn, deposes and says that he is of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Owner's Signature Newman Hall

Subscribed and sworn to before me, this 16 day of January, 1970.

Charlotte Edwards  
Clerk and Recorder, Powder River Co.  
Broadus, Montana  
By: Walter G. Dwyer Deputy

46060

JUL 3 1973

Twp. 3 S, Rge. 51

File No. 92724  
Filed: June 29 1973  
at 2:37 P. M.

INDEXED

MONTANA DEPARTMENT OF NATURAL  
RESOURCES AND CONSERVATION

Sec. 18

Charlotte Edwards  
Clerk and Recorder  
Powder River County (Under Chapter 237, Montana Session Laws, 1961)

Notice of COMPLETION of Groundwater  
Appropriation by Means of Well

By Charles Edwards, Deputy  
OWNER Emmons Ranch Address Oliver mt  
Top of Ground -  
Elev. above sea level. DRILLER Harlan Jones Address Broadus mt

0  
8  
22  
26  
43  
48  
70  
96  
100  
Surface Soil  
Gray Shale  
Coal  
Brown shale  
Sandstone  
Gray shale  
Sandstone  
Blue shale

Date of Notice of Appropriation of Groundwater \_\_\_\_\_

Date well started 6-14-68 Completed 6-15-68

Type of Well Drilled Equipment Used Rotary  
(dug, driven, bored, drilled) (churn, drill, rotary, etc)

Water Use: Domestic ; Municipal ; Stock ; Other ;  
Industrial ; Drainage ; Irrigation

Indicate on diagram character and thickness of different strata met in drilling - i.e., soil, clay, shale, gravel, rock, sand. Show depth at which water is found, thickness and character of water-bearing strata and height to which water rises in well.

Size of Drilled Hole	Size and Weight of Casing	From (feet)	To (feet)	Perforations		
				Kind	From (feet)	To (feet)
6"	4" 10 lb.	71	100	5 1/2"	90	100

Static Water Level for non-flowing well 65 feet

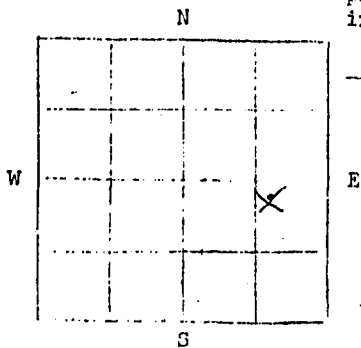
Shut-in Pressure for Flowing Well \_\_\_\_\_

Pumping Water Level 84 feet at 15 gal. per minute.

Discharge in Gal. per min. of flowing well \_\_\_\_\_

How Tested \_\_\_\_\_ Length of Test \_\_\_\_\_

Remarks: (Gravel packing, cementing, packers, type of shut-off, location of use if not at well, other similar pertinent information, including number of acres irrigated, if any.)



Sec 18, Twp. 3, Rge 51 East.

182  
Driller's License NO.

Harlan Jones  
Driller's Signature

STATE OF MONTANA)  
County of Powder River) ss.

\_\_\_\_\_ having first been duly sworn, deposes and says that he is of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Owner's Signature Emmons Ranch Inc.  
Charles E. Emmons Pres.

Subscribed and sworn to before me, this \_\_\_\_\_ day of \_\_\_\_\_, 196\_\_\_\_\_.

Charlotte Edwards  
Clerk and Recorder, Powder River  
Broadus, Montana

92724

JUL 3 1973

Twp. 3 S, Rge 51

File No: 92723  
Filed: June 29 1973  
at 2:33 P. M.  
Charlton Daniels  
Clerk and Recorder  
Powder River County (Under Chapter 237, Montana Session Laws, 1961)

INDEXED

MONTANA DEPARTMENT OF NATURAL  
RESOURCES AND CONSERVATION

Sec. 19

Notice of COMPLETION of Groundwater  
Appropriation by Means of Well  
Powder River County (Under Chapter 237, Montana Session Laws, 1961)

By Charles Daniels Deputy  
OWNER Emmons Ranch Inc Address Olive mt  
Top of Ground -  
Elev. above sea level. DRILLER Havlan Jones Address Broadus mt

0  
2  
24  
35  
42  
71  
87  
94  
97  
122  
146  
153

Surface Soil  
Sand Stone  
Blue Shale  
Coal  
Grey shale  
Sand Stone  
Blue Shale  
Coal  
Grey shale  
Sand Stone  
Blue Shale

Date of Notice of Appropriation of Groundwater \_\_\_\_\_

Date well started 6-13-68 Completed 6-19-68

Type of Well Drilled Equipment Used Rotary  
(dug, driven, bored, drilled) (churn, drill, rotary, etc)

Water Use: Domestic \_\_\_; Municipal \_\_\_; Stock ; Other \_\_\_;  
Industrial \_\_\_; Drainage \_\_\_; Irrigation \_\_\_;

Indicate on diagram character and thickness of different strata met in drilling -ei, soil, clay, shale, gravel, rock, sand. Show depth at which water is found, thickness and character of water-bearing strata and height to which water rises in well.

Size of Drilled Hole	Size and Weight of Casing	From (feet)	To (feet)	Perforations		
				Kind Size	From (feet)	To (feet)
6"	4" 1016	+1	153	5/8" 2 1/2"	120	140

Static Water Level for non-flowing well 90 feet

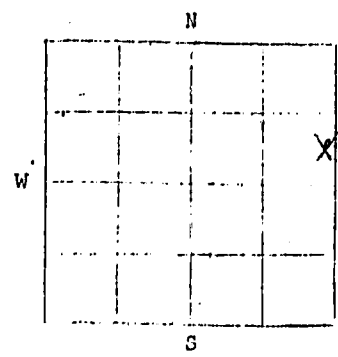
Shut-in Pressure for Flowing Well \_\_\_\_\_

Pumping Water Level 126 feet at 12 gal. per minute.

Discharge in Gal. per min. of flowing well \_\_\_\_\_

How Tested \_\_\_\_\_ Length of Test \_\_\_\_\_

Remarks: (Gravel packing, cementing, packers, type of shut-off, location of use if not at well, other similar pertinent information, including number of acres irrigated, if any.)



182  
Driller's License NO.

Havlan Jones  
Driller's Signature

Sec 19, Twp. 3, Rge 51 East.

STATE OF MONTANA)  
County of Powder River) ss.

\_\_\_\_\_ having first been duly sworn, deposes and says that he is of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Owner's Signature Emmons Ranch Inc  
Charles G. Emmons Pres

Subscribed and sworn to before me, this \_\_\_\_\_ day of \_\_\_\_\_, 196\_\_\_\_\_.

Charles Daniels  
Clerk and Recorder, Powder River  
Broadus, Montana

*3rd*

File No. 71840  
Sec. T32 R51 E  
Sec 17

T. 3 R. 51 E  
County Deer  
FEB 14 1962

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

STATE ENGINEER

WATER WELL LOG


Owner Harmon Hill Address Blair, Mont.

Driller ? ~~Harmon Hill~~ Address \_\_\_\_\_

Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

Location: Sec. 20 T. 3 R. 51 E 1/4 sec. NW SW

Type of well drilled Equipment used rotary  
(Dig, driven, bored, or drilled) (Cable drill, rotary, other)

Water use: Domestic  Municipal  Stock  Irrigation

Industrial  Drainage  Other: \_\_\_\_\_

Casing: 60 ft. to \_\_\_\_\_ ft. Type black Size 4"

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 20' to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

\_\_\_\_\_ of casing or perforations \_\_\_\_\_

making out  
2 File No. 71840  
Sec T3S R51E  
Sec. 17

T 3 R 51 E

County Bozeman



MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

STATE ENGINEER

WATER WELL LOG


Owner Henson Hall Address Chie, Mont.

Driller Frank Dandy Jr. Address Bozeman, Mont.

Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

Location: Sec. 21 T. 3 R. 51 E 1/4 sec. SE NE

Type of well drilled Equipment used rotary  
(Dig, driven, bored, or drilled) (Cable tool, rotary, other)

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other: \_\_\_\_\_

Casing: 88 ft. to \_\_\_\_\_ ft. Type Black Size 4"

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations \_\_\_\_\_

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: \_\_\_\_\_

Length of test \_\_\_\_\_

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

\_\_\_\_\_  
\_\_\_\_\_



Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	3	surface soil
3	55	yellow shale
55	60	hard rock
60	68	water sand
68	85	fine shale

File No. 78526  
 Filed: 7-1 19 66  
 at 9:02 A. M.  
Charlotte Edwards  
 Clerk and Recorder  
 Powder River County

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER STATE WATER CONSERVATION BOARD

T 36 R 51

SEP 29 1966

By-  
 Fee-\$2.00

Deputy

NOTICE OF COMPLETION OF GROUNDWATER  
 APPROPRIATION BY MEANS OF WELL  
 (Under Chapter 237, Montana Session Laws, 1961)

Billie \_\_\_\_\_ McDermott \_\_\_\_\_  
 Butzerin \_\_\_\_\_ McNulty \_\_\_\_\_  
 Coyle \_\_\_\_\_ Norton \_\_\_\_\_  
 Dickert \_\_\_\_\_ Sullivan \_\_\_\_\_

OWNER Norman Hall Address Clive, Mont.  
 DRILLER Carl Drane Address Broadway, Mont.

Top of Ground  
 (Elev. above sea level)  
 85 - 150 shale  
 150 - 153 rock  
 153 - 207 shale & coal streaks  
 207 - 277 sand  
 277 - 279 rock  
 279 - 282 sh. ale

Date of Notice of Appropriation of Groundwater \_\_\_\_\_

The well started 5 June 1966 Completed 7 June 1966

Type of well drilled Equipment used rotary  
 (dug, driven, bored, drilled) (churn, drill, rotary, other)

Water Use: Domestic  Municipal  Stock  Other   
 Industrial  Drainage  Irrigation

Indicate on diagram character and thickness of different strata met in drilling -s, soil, clay, shale, gravel, rock, sand. Show depth at which water is found, thickness and character of water-bearing strata and height to which water rises in well.

Size of Drilled Hole	Size & Weight of Casing	From To		PERFORATIONS	
		(feet)	(feet)	Kind Size	From (feet) To (feet)
4"	2 1/2" 241	0	282	4x4" slots	162 282

Static Water Level for non-flowing well 160 feet.

Shut-in Pressure for Flowing Well \_\_\_\_\_

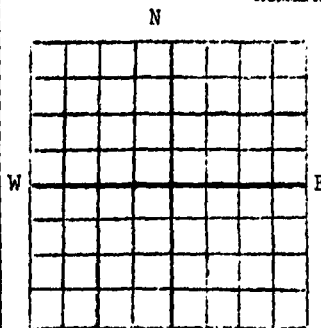
Pumping Water Level 200 feet at 5 gal. per minute

Discharge in gal. per min. of flowing well \_\_\_\_\_

How Tested pumping Length of Test 3 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of use if not at well, other similar pertinent information, including number of acres irrigated, if any)

old well decommissioned



SESS 1/2 21 Sec. T.3 SR. 51

STATE OF MONTANA  
 County of Powder River )SS.

Norman Hall

having first been duly sworn, depose and say that he is of lawful age and \_\_\_\_\_ the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name \_\_\_\_\_ subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Driller's License Number \_\_\_\_\_  
Carl Drane  
 Driller's Signature

Subscribed and sworn to before me, this 1st day of July, 1966

Charlotte Edwards  
 Clerk & Recorder  
 By Myrtle M. Williams Deputy

41, 451

RECEIVED

SPRINT Sec. 26

JUN 26 1971

TP. 3 Rgs. 51

11-51-67 11-51-67

MONTANA DEPARTMENT OF NATURAL RESOURCES

County... Powder River

STATE OF MONTANA DEPARTMENT OF NATURAL RESOURCES  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

DRILLER'S LOG

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

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 form may be returned.

Owner: Donald Manker  
Address: Broadus, Montana  
Date well started: 7-1-71  
completed: 7-1-71

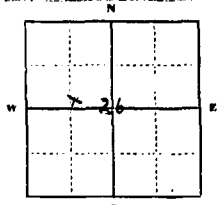
For Administrator's Use  
File 87431  
July 19, 1971 11:01 a.m.  
GW 1

Type of well: drilled  
Equipment used: rotary  
Water Use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other  Garden/Lawn

\*Describe USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Table with columns for Size of drilled hole, Area and Weight of casing, From (feet), To (feet), PERFORATIONS (Kind, Size, From, To), and other data. Row 1: 5" hole, 10" casing, 0-140 ft, 1 1/4" slots, 100 ft, 140 ft.



Static water level: 105 ft.  
Pumping water level: 135 ft.  
at 5 gallons per minute  
measured 5 minutes after pumping began.  
\*Measured from ground level.  
Well developed by balling  
for 1 hours.  
Power: Pump: HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff)

SE 1/4 NW 1/4 Sec. 26  
T. 3 S. N. R. 51 E.

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

Driller's Signature: Carl Drane  
Driller's Address: Broadus, Montana

LICENSE NO. 70

Top of Ground log table with columns for From (feet) and To (feet). Entries include: 0-10 Yellow silty sand, 10-15 Yellow silty sand, 15-20 Yellow silty sand, 20-25 Yellow silty sand, 25-30 Yellow silty sand, 30-35 Yellow silty sand, 35-40 Yellow silty sand, 40-45 Yellow silty sand, 45-50 Yellow silty sand, 50-55 Yellow silty sand, 55-60 Yellow silty sand, 60-65 Yellow silty sand, 65-70 Yellow silty sand, 70-75 Yellow silty sand, 75-80 Yellow silty sand, 80-85 Yellow silty sand, 85-90 Yellow silty sand, 90-95 Yellow silty sand, 95-100 Yellow silty sand, 100-105 Yellow silty sand, 105-110 Yellow silty sand, 110-115 Yellow silty sand, 115-120 Yellow silty sand, 120-125 Yellow silty sand, 125-130 Yellow silty sand, 130-135 Yellow silty sand, 135-140 Yellow silty sand.

140 Show exact depth of bottom

50,685

File No. 73522  
 Filed December 3, 1962  
 at 1:10 P. M. \$2.00 fee paid  
 Lucille Godsey, deputy  
 Clerk and Recorder

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

Twp 3 S, Rge 51E

RECEIVED  
 DEC 11 1962

26

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

STATE ENGINEER

1. Mae Severovic, of Broadus, Montana,  
 County of POWDER RIVER, State of MONTANA, have appropriated groundwater according to the  
 Montana laws in effect prior to January 1, 1962, as follows:

WELLS	Sec. 26	Sec. 26	Sec.	Sec.	Sec.	Sec.
	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
2. Beneficial Use	Domestic & Stock	Stock				
3. Date of use	1916	1919				
How continuous	constant	constant				
4. Amount claimed	30gph	50 gph				
Irrigated description						
5. Irrigated acreage						
6. Withdrawal means	swim	swim				
7. Completion date	1916	1919-20				
8. Water depth table		surface				
9. Type	Drilled	Spring				
10. Size & depth	4" - 60'					
11. Estimated annual amount withdrawn						
12. Other information						
Log, if available						

STATE OF MONTANA )  
 County of Powder River ) ss.

Signature of Owner Mae Severovic

Mae Severovic having first been duly sworn, deposes and says that he is of lawful age and is the appropriator and claimant of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me this  
3rd day of December, 1962.  
Lucille Godsey deputy  
 Clerk and Recorder  
 Powder River County  
 Broadus, Montana

Date December 3, 1962

Mae Severovic

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