

06/10/2003

IDAHO DEPARTMENT OF WATER RESOURCES
PRELIMINARY RECOMMENDATION OF WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHT NUMBER: 29-2274

NAME AND ADDRESS: CITY OF POCATELLO
PO BOX 4169
POCATELLO ID 83205

SOURCE: GROUND WATER

TRIBUTARY:

QUANTITY: 9.690 CFS

PRIORITY DATE: 06/15/1948

POINT OF DIVERSION:

T06S R33E S10 NESE Within POWER County
T06S R33E S12 NESE Within POWER County
T06S R33E S15 SWNE Within POWER County
T06S R34E S15 NWSW Within BANNOCK County
T06S R34E S26 NENW Within BANNOCK County
T06S R34E S27 NWSE Within BANNOCK County
T06S R34E S35 SENE Within BANNOCK County
T06S R34E S35 SENE Within BANNOCK County
T06S R34E S35 NWSE Within BANNOCK County
T06S R34E S35 NWSE Within BANNOCK County
T06S R34E S35 NWSE Within BANNOCK County
T07S R34E S1 SESE Within BANNOCK County
T07S R35E S16 SWSW Within BANNOCK County

PURPOSE AND
PERIOD OF USE:

PURPOSE OF USE
MUNICIPAL

PERIOD OF USE
01/01 12/31

QUANTITY
9.690 CFS

PLACE OF USE:

Place of use is within the service area of the City of Pocatello municipal water supply system as provided for under Idaho Law.

OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

This partial decree is subject to such general provisions necessary for the definition of the rights or for the efficient administration of the water rights as may be ultimately determined by the Court at a point in time no later than the entry of a final unified decree. Section 42-1412(6), Idaho Code.

EXPLANATORY MATERIAL: License

IDAHO DEPARTMENT OF WATER RESOURCES
PRELIMINARY RECOMMENDATION OF WATER RIGHTS ACQUIRED UNDER STATE LAW

The right holder shall measure and annually report diversions of water and/or other pertinent hydrologic and system information as required by Section 42-701, Idaho Code.

Use of water under this approval shall comply with applicable water quality standards of the Division of Environmental Quality of the Idaho Department of Health and Welfare.

Prior to diversion of water under this approval, the right holder shall provide a means of measurement acceptable to the Department from all authorized points of diversion which will allow determination of the total rate of diversion.

RECEIVED

APR 25 2003

Department of Water Resources

IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE STATE OF IDAHO,
IN AND FOR THE COUNTY OF TWIN FALLS

IN RE THE GENERAL ADJUDICATION
OF RIGHTS TO THE USE OF WATER FROM
THE SNAKE RIVER BASIN WATER SYSTEM

CIVIL CASE NUMBER: 39576

Ident. Number 29 - 2274
Date Received:
Receipt No:
Received By:

AMENDED NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name of Claimant(s)

CITY OF POCA TELLO Phone: (208)232-4311

PO BOX 4169
POCA TELLO ID USA 83201

2. Date of Priority: JUNE 15 1948

3. Source: GROUND WATER

4. Point of Diversion:

Township Range Section 1/4 of 1/4 of 1/4 Lot County Type

SEE ATTACHMENT A

5. Description of diverting works:

32 WELLS

6. Water is used for the following purposes:

Purpose
MUNICIPAL

From To C.F.S.
1/01 12/31 9.69

(or) A.F.A

7. Total Quantity Appropriated is:
9.69 C.F.S.

8. Total consumptive use:

9. Non-irrigation uses: MUNICIPAL, CITY OF POCA TELLO

COPY

10. Place of use: WITHIN THE SERVICE AREA OF THE CITY OF POCA TELLO'S MUNICIPAL WATER SUPPLY SYSTEM AS PROVIDED FOR UNDER IDAHO LAW.

Township	Range	Section	1/4 of 1/4	Lot	Use	Acres
----------	-------	---------	------------	-----	-----	-------

11. Place of use in counties:

12. Do you own the property listed above as place of use? No

13. Other Water Rights Used: [LIST/ATTACH CITY'S MUNICIPAL WATER RIGHTS]

14. Remarks:

P/U WITHIN CITY OF POCA TELLO & VICINITY.

BASED ON LICENSE 29-2274 (OLD NO. 20611)

Well # 2 reactivated (additional .67 cfs for total of 3.12 cfs); well # 8 (2.67 cfs); well # 9 (1 cfs); well # 10 (5.35 cfs).

15. Basis of Claim:

LICENSE

COPY

My commission Expires

C O P Y

Notices of Claim

Tab	Priority Date	Rate of Diversion C.F.S.
1	June 16, 1898	7.000
2	1905	1.34
3	1925	0.96
4	December 31, 1926	9.13
5	August 31, 1931	4.23
6	1936	2.45
7	December 31, 1940	10.34
8	December 31, 1942	1.92
9	June 1, 1943	2.67
10	June 15, 1948	9.69
11	August 1951	4.9
12	September 1, 1953	9.53
13	August 27, 1954	0.28
14	September 15, 1955	3.89
15	October 1, 1955	1.22
16	August 15, 1956	4.44
17	December 21, 1956	3.82
18	October 16, 1958	13.02
19	1961	3.36
20	October 1, 1962	2.67
21	December 10, 1964	4.1
22	November 6, 1972	3.9
23	April 11, 1973	10.01
24	August 22, 1974	1
25	April 25, 1976	17.07
26	February 24, 1977	2.23
27	December 29, 1977	9.28
28	June 13, 1978	3.34
29	July 6, 1979	0.10
30	May 21, 1984	4.46
31	January 18, 1985	7

ATTACHMENT A

Township	Range	Section	¼ of ¼,	County of
7S	34E	1	NE	BANNOCK (well #2)
7S	34E	1	NE	BANNOCK (well #3)
6S	34E	26	NE NW	BANNOCK (well #10)
6S	34E	35	SE NE	BANNOCK (well #12)
7S	34E	12	NW NE	BANNOCK (well #13)
7S	35E	7	NE SW	BANNOCK (well #14, Cree)
7S	35E	6	NW SE	BANNOCK (well #15)
6S	34E	26	SW SE	BANNOCK (well #16)
7S	34E	1	SE SE	BANNOCK (well #17)
6S	34E	15	NE NW	BANNOCK (well #18)
6S	34E	7	SE NE	BANNOCK (well #19)
6S	34E	23	SW NE	BANNOCK (well #21)
6S	34E	23	SE NW	BANNOCK (well #22)
6S	34E	23	NW NE	BANNOCK (well #23)
6S	34E	15	NW NE	BANNOCK (well #26, PIP)
6S	34E	15	NE NE	BANNOCK (well #27)
7S	34E	1	NE SE	BANNOCK (well #28)
6S	34E	23	NE SW	BANNOCK (well #29)
6S	34E	35	NW NE	BANNOCK (well #30)
6S	34E	15	NE SE	BANNOCK (well #31)
6S	34E	16	NE NE	BANNOCK (well #32)
7S	35E	18	SE NE	BANNOCK (well #33)
6S	34E	15	NE SE	BANNOCK (well #34)
6S	33E	10	NE SE	POWER (well #35, Phillips 3)
6S	33E	15	SW NE	POWER (well #39, Phillips 1)
6S	33E	10	NE SE	POWER (well #40, Phillips 2)
6S	33E	9	SW SW	POWER (well #41, Airport 2)
6S	33E	16	NW SW	POWER (well #42, Airport 1)
6S	34E	9	SW SE	BANNOCK (well #43, Ward)
7S	35E	16	SW SW	BANNOCK (well #44)
6S	33E	12	SE NE	POWER (WPC plant)
7S	35E	6	NW NW	BANNOCK (Restlawn)

City of Pocatello Ground Water Management Timeline					
Priority date	Amount by priority (cfs)	Cumulative amount (cfs)	IDWR Reference	Well #	Explanation showing ground water use development over time
1905	1.34	1.34	29-2324	A 1	Alameda well 1 (replaced by well #29 in 1972)
1925	0.96	2.3	29-2324	A 2	Alameda well 2 (replaced by well #29 in 1972)
1926	9.13	11.43	29-2274	1, 2, 3	Establish capacity and demonstrate use of facilities on Pocatello wells # 1 (2.45 cfs), 2 (2.45 cfs), 3 (4.23 cfs)
Aug. 31 1931	4.23	15.66	29-2274	4	Establish additional capacity: Pocatello well # 4 (4.23 cfs, using pump from # 3 with no intent to abandon well #3). Continue use of Pocatello wells # 1, 2
1934-1936	0	15.66	29-2274	5	No change in capacity: abandon well # 1 and replace with well # 5; using wells # 4 (transfer pump # 1), 5 (transfer pump # 2 with no intent to abandon well # 2); pump 3 sold to Idaho Falls
1936	2.45	18.11	29-2274	6	Establish additional capacity: well # 6 (2.45 cfs with new pump); continue use of wells # 4, 5
1939	0	18.11			No change in capacity: well # 3 reactivated
Dec. 31 1940	10.34	28.45	29-2274 29-2338 29-2324	7, 39 (Ph 1), 22 (A 3)	Establish additional capacity: well # 7 completed (pump capacity of 2000 gpm or 4.46 cfs); well #39 or Phillips 1 (2.2 cfs); well #22 or Alameda well 3 (3.68 cfs)
Dec. 31 1942	1.92	30.37	29-2338	40 (Ph 2)	Establish additional capacity: Well #40 or Phillips 2 (1.92 cfs; Report of Eng for amount; Evidence binder supports priority date)
June 1 1943	2.67	33.04	29-4221	PIP	Establish additional capacity: well PIP (2.67 cfs; Evidence binder supports priority date)
1947	0	33.04			No change in capacity: well # 8 drilled but infrastructure completed and well put into use in 1948
June 15 1948	9.69	42.73	29-2274: 1948 Permit; 1953 Proof of C/W due; 1959 Notice of BU due; 1954 Field Report	2 (add'l cfs) 8 9 10	Establish additional capacity: well # 2 reactivated (additional .67 cfs for total of 3.12 cfs); well # 8 (2.67 cfs; larger pump installed before Notice of Completion of Works due [4/25/53] on 1948 permit; see 1954 field exam); well # 9 drilled in 1948 (450 gpm pump by 1952 = 1 cfs); well # 10 (5.35 cfs pump capacity). Well # 3 redrilled; no change in capacity.
Aug. 1951	4.9	47.63	29-7106	28 (aka 20/Turner)	Well # 28 (also # 20 and Turner well) drilled in August 1951; license 29-7106 (erroneous 1972 priority date) establishes 1951 use.
Sept. 1 1953	9.53	57.16	29-2338	11, 12, 15 13 (Riverside GC)	Well # 11 (0 cfs; well and property sold in 1992); well # 12 (6.2 cfs); well # 13 (Riverside Golf Course, 2.22 cfs); well # 15 (1.11 cfs); Phillips 1 @ 1940; Phillips 2 @ 1942
Aug. 27 1954	0.28	57.44	29-2354	Restlawn	Restlawn Cemetery well
Sept. 15 1955	3.89	61.33	29-4224	21 (A 4)	Well # 21 (Alameda 4) for 3.89 cfs
Oct. 1 1955	1.22	62.55	29-4226	14 /CREE	Well #14 or Cree for 1.22 cfs
Aug. 15 1956	4.44	66.99	29-4225	23 (A 5)	Well # 23 (Alameda 5) for 4.44 cfs
Dec. 21 1956	3.82	70.81	29-2382	17 (Highland GC)	Well # 17 (3.82 cfs; Highland Golf Course; land & well purchased by city in 1973; not to be confused with well #17 at Riverside Golf Course)
Oct. 16 1958	13.02	83.83	29-2401 for 15.63	16, 18, 19 13 (add'l cfs at RGC)	Well # 16 (6.67 cfs); well #17 is actually Riverside Golf Course well # 13 (increased capacity, .89 cfs); well # 18 (4.66 cfs); well # 19 (0.8 cfs); well 3 claimed in 1926
July 1961	3.36	87.19	29-2383 29-2384	A 6 A 7	Alameda 6, 29-2383 (1.70 cfs) and Alameda 7, 29-2384 (1.66 cfs)
Oct. 1 1962	2.67	89.86	29-4223	33	Well # 33 for 2.67 cfs (Evidence binder)
Dec. 10 1964	4.1	93.96	29-2499	27	Well # 27 for 4.1 cfs
Nov. 6 1972	3.9	97.86	29-7106	29	Well # 29 for 3.9 cfs (3.9 cfs: 6.2 cfs less 2.3 cfs for replacement of Alameda 1 and 2 wells; 6.2 cfs: licensed amount 11.1 cfs less 4.9 cfs for well # 28 claimed with 1951 priority date)
Apr. 11 1973	10.01	107.87	29-7118, 29-7119	42, 41 (Airport 1 and 2)	Well #42 or airport 1 (4.01 cfs) and #41 or airport 2 (6 cfs)
Aug. 22 1974	1	108.87	29-7222	43	Well #43 or Ward Park for 1 cfs
Apr. 25 1976	17.07	125.94	29-7322	30, 31, 32	Well # 30 (5.57 cfs); well # 31 (8.02 cfs); well # 32 (3.45 cfs)
Feb. 24 1977	2.23	128.17	29-7375	15 (add'l cfs)	Well #15 redrilled, 2.23 cfs (well capacity is 3.34 cfs, less 1.11 cfs claimed on earlier license, 29-2338)
Dec. 29 1977	9.28	137.45	29-7431		Reuse of municipal water, irrigation season only (9.28 cfs)
June 13 1978	3.34	140.79	29-7450	35 (Ph 3)	Well # 35 or Phillips 3 (3.34 cfs)
July 6 1979	.1	140.89	29-7502	Restlawn	Restlawn Cemetery well (.1 cfs)
May 21 1984	4.46	145.35	29-7770	WPC	Well # WPC: Does Pocatello have evidence of 5.72 cfs?
Jan. 18 1985	7	152.35	29-7782	34	Well #34 (7 cfs)
2001	0	152.35	Transfer 5452	44	POD added to 29-2274, 29-2338, and 29-7375
TOTAL	152.35				

City of Pocastello Claim Summary

Original Claims (4/16/1990)				IDWR Preliminary Recommendations (2/12/2003)				Revised Comprehensive Filing (4/25/2003)		
WR No.	cfs	AFY	Priority Date	WR No.	Proposed cfs	Comments	Priority Date	WR No.		cfs
29-271	3.22		2/26/1869	29-11339	0	1		1869		3.22
29-4222	7		6/16/1898		0			1898		7
29-272	0.56		10/1/1901	29-11343	0	1		1901		0.56
29-273	1.218		10/1/1917	29-11344	0	1		1905		1.34
29-2274A	7.11		12/31/1926	29-11348	0	2		1917		1.218
29-2274B	2.34		12/31/1930	29-2274	21	5	6/15/1948	1925		0.96
29-11343	2.2		12/31/1940		0			1926		9.13
29-11344	1.92		12/31/1942		0			1931		4.23
29-4221	2.67		6/1/1943		0			1936		2.45
29-2274C	5.04		6/15/1948	29-2324	3		10/22/1952	1940		10.34
29-11348	5.57		8/31/1951	29-2338	14.76	5	9/1/1953	1942		1.92
29-11342	1.11		7/24/1952	29-2382	0	3		1943		2.67
29-2324	3		10/22/1952	29-2401	12.13		10/16/1958	1948		9.69
29-11339	10.42		9/1/1953	29-2499	4.1		12/10/1964	1951		4.9
29-4224	3.89		9/15/1955	29-271	3.22		2/26/1869	1953		9.53
29-4226	1.22		10/1/1955	29-272	0.56		10/1/1901	1954		0.28
29-4225	4.44		8/15/1956	29-273	1.218		10/1/1917	Sep-55		3.89
29-2382	3.82		12/21/1956	29-4221	0	4		Oct-55		1.22
29-2401	12.13		10/16/1958	29-4222	0	4		Aug-56		4.44
29-4223	2.67		10/1/1962	29-4223	0	4		Dec-56		3.82
29-2499	4.1		12/10/1964	29-4224	0	4		1958		13.02
29-7106	5.57		11/6/1972	29-4225	0	4		1961		3.36
29-7118	4.01	1,114 AFY	4/1/1973	29-4226	0	4		1962		2.67
29-7119	6	1,200 AFY	4/1/1973	29-7106	5.57		11/6/1972	1964		4.1
29-7222	1		8/22/1974	29-7118	4.01		4/1/1973	1972		3.9
29-7322	17.07		4/25/1976	29-7119	6		4/1/1973	1973		10.01
29-7375	3.34		2/24/1977	29-7222	1		8/22/1974	1974		1
29-7431	9.28	3,108 AFY	12/29/1977	29-7322	17.07		4/25/1976	1976		17.07
29-7450	3.34		6/13/1978	29-7375	3.34	5	2/24/1977	Feb-77		2.23
29-7770	5.72	1,120 AFY	5/21/1984	29-7431	9.28		12/29/1977	Dec-77		9.28
29-2274	0			29-7450	3.34		6/13/1978	1978		3.34
29-2338	0			29-7770	4.46		5/21/1984	1979		0.1
								1984		4.46
								1985		7
SUM	140.978				114.058					164.348

Comments

- 1: Recommended as Right No. 29-2338
- 2: Recommended as Right No. 29-7106
- 3: Forfeited/abandoned due to no irrigation use at claimed POU from 1975-1989
- 4: No lawful appropriate shown
- 5: Instantaneous diversion limit of 39.1 cfs

CITY OFFICES

EAST CENTER STREET

TELEPHONE 993

CITY OF POCATELLO*Idaho's Industrial Center**Pocatello, Idaho*

July 16, 1953

RECEIVED
JUL 17 1953
Department of Reclamation

Mr. Mark R. Kulp
State Reclamation Engineer
Boise, Idaho

Dear Mr. Kulp:

Reference is made to your letter July 10, with regard to the discrepancy in descriptions of well locations.

It is our intention to make proof on wells that have been completed. The description given, letter July 8, was put together hurriedly and may have been misleading. However, I would like to point out that wells Nos. 8, 9, 10, 11 and 12 were in the stage of future planning when the permit was taken out. Therefore, amended permit descriptions will include well No. 10 located on Tydeman Field instead of Raymond Park and well No. 11 located at the Old Airport instead of North Pocatello Park.

The following is a revised description of wells for proof of completion of works due September 2, 1953. (see map also).

For Ross Park Wells (Nos. 1, 2, 3)
the center of Sec. 1, T. 7S., R. 34E., B.M.

For Rainey Park Wells (Nos. 4, 5, 6, 7)
the NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 15, T. 6S., R. 34E., B.M.

For North Pocatello Park Wells (No. 8)
the NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35, T. 6S., R. 34E., B.M.

For Raymond Park Well (No. 9)
Blk. 557 Pocatello Original Townsite
in NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 27, T. 6S. R. 34E., B.M.

For Tydeman Field Well (No. 10)
Blk. 219 Original Pocatello Townsite
in N $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26, T. 6S., R. 34E., B.M.

For Old Airport Well (No. 11)
near U.S. 30 North in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$
Sec. 12, T. 6S., R. 33E., B.M.

20611

July 16, 1953

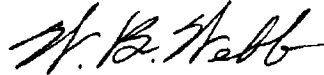
Summary of data pertaining to the City of Pocatello water wells
on which proof is to be made.

Well Number	Location	Date Well Completed	Capacity*	
			GPM	COS
1.	Ross Park	1926	1000	2.22
2.	Ross Park	to	1400	3.12
3.	Ross Park	1930	1400	3.12
4.	Rainey Park	1930	1000	2.22
5.	Rainey Park	1930	1000	2.22
6.	Rainey Park	1936	1000	2.22
7.	Rainey Park	1940	1000	2.22
8.	North Pocatello Park	April 1953	1500	3.33
9.	Raymond Park	1948	450	1.00
10.	Tydeman Field	Sept. 1952	2400	5.33
11.	Old Airport	July 1952	450	1.00
			<u>12600</u>	<u>28.00</u>

* NOTE: The capacity of the wells is the maximum rate of discharge
based on production records.

Yours very truly,

CITY OF POCATELLO



W. B. Webb
City Manager

WBW:mb
encl

20611

CITY OFFICES

EAST CENTER STREET

TELEPHONE 993

CITY OF POCATELLO*Idaho's Industrial Center**Pocatello, Idaho*

August 1, 1953

RECEIVED
AUG 3 1953

Department of Reclamation

Mr. Mark R. Kulp
State Reclamation Engineer
Boise, Idaho

Dear Mr. Kulp:

In reference to the "Notice For Publication For Completion of Works". With the elimination of Well No. 11 as a point of diversion in Permit No. 20611 the total of 28 cubic feet per second has to be revised to 27 cubic feet per second as follows:

<u>Well Number</u>	<u>G. P. M.</u>	<u>C. f. S.</u>	
1	1000	2.22	8.46 - 29-13560
2	1100	3.12	
3	1100	3.12	
4.	1000	2.22	2.22 - 29-13561
5	1000	2.22	29-13562
6	1000	2.22	2.22 - 29-11343?
7	1000	2.22	
8	1500	3.33	9.66 - 29-2274
9	450	1.00	
10	2400	5.33	
	12,150	27.00	

Yours truly,

CITY OF POCATELLO

W. B. Webb

W. B. Webb
City Manager

$$\frac{4350 \text{ gpm}}{448.8} = 9.69 \text{ cfs}$$

20611

PERMIT NO. 20611

Proof of Completion of Works

DEPOSITION OF HOLDER

Ques. 1. State your name, residence, occupation and postoffice address.

Ans. W. B. WEBB CITY MANAGER
121 VALLEYVIEW DRIVE POCATELLO, IDAHO

Ques. 2. If acting in behalf of a corporation, state its name, principal place of business, your position with reference to same, and your authority for appearing in its behalf.

Ans. CITY OF POCATELLO, P. O. BOX 1489
W. B. WEBB CITY MANAGER

Ques. 3. State number and date of permit, amount of water you are authorized to divert, source, and point of diversion.

Ans. 20611 JUNE 15, 1948 27 CUBIC FEET PER SECOND OF
SUBTERRANEAN ORIGIN FROM 10 DEEP WELLS

Ques. 4. State purpose for which water is to be used, and, if for irrigation, state the number of acres and give description of the land you intend to reclaim.

Ans. THE WATER IS TO BE USED FOR DOMESTIC PURPOSES.

Ques. 5. State whether or not the water has been turned into your works of diversion, and, if so, when and to what extent.

Ans. THE 10 WELLS ARE TIED INTO THE CITY OF POCATELLO
WATERWORKS SYSTEM.

Ques. 6. State whether or not the works of diversion are fully completed, and whether or not they comply in all respects with the terms of the permit.

Ans. ALL 10 WELLS ARE FULLY COMPLETED.

Ques. 7. If the works of diversion do not comply with all the terms of your permit, state fully those particulars in which there is any variance.

Ans. ONE WELL NO. 1 IS NOT ACTIVE. AND AMENDED PERMIT DESCRIPTIONS INCLUDE
WELL NO 10 LOCATED ON TYDEMAN FIELD INSTEAD OF RAYMOND PARK.

Ques. 8. Give description of works, state dimensions and capacity of each part, and

WELL NUMBER	LOCATION	DATE WELL COMPLETED	SIZE OF CASING	DEPTH	CAPACITY C.F. S.	ESTIMATED COST	
1	ROSE PARK	1926)	16"	120'	2.22	\$15,000.00	8.46
2	"	TO)	16"	96'	3.12	12,000.00	
3	"	1930)	16"	208'	3.12	26,000.00	
4	RAINEY PARK	1930	16"	120'	2.22	15,000.00	2.22
5	"	1930	16"	100"	2.22	12,500.00	
6	"	1936	16"	100'	2.22	12,500.00	
7	"	1940	20"	100'	2.22	12,500.00	2.22
8	No. Poc. Park	1953	20"	320'	3.33	30,000.00	9.66
9	RAYMOND PARK	1948	20"	100'	1.00	12,500.00	
10	TYDEMAN FIELD	1952	20"	350'	5.33	35,000.00	
					27.00	\$183,000.00	

20611

20611

CITY OFFICES

EAST CENTER STREET

TELEPHONE 993

CITY OF POCATELLO*Idaho's Industrial Center**Pocatello, Idaho*

July 8, 1953

RECEIVED
 JUL 9 1953
 Department of Reclamation

Mr. Mark R. Kulp,
 State Reclamation Engineer,
 Boise, Idaho.

Dear Mr. Kulp:

Reference is made to your letter July 7, with regard to duplicate notice for publication in connection with completion of works proof on Permit No. 20611.

Additional information required is as follows:

<u>Number of Well on which Proof is to be made</u>	<u>Location</u>	<u>G.P.M.</u>	<u>Second Feet</u>
1	Ross Park	1000	2.22
2	" "	1400	3.12
3	" "	1400	3.12
4	Idaho Street	1000	2.22
5	" "	1000	2.22
6	" "	1000	2.22
7	" "	1000	2.22
8	Valley View	1500	3.33
9	Raymond Park	450	1.00
10	North 8th Ave	2400	5.33
Old Airport	West of City	450	1.00
		12600	28.00

Yours very truly,
 CITY OF POCATELLO

W.B. Webb

W.B. Webb
 City Manager

20611

April 6-54

ANNUAL SUMMARY
OF
WATER PRODUCTION
FOR
1953

By: James N. Scardino

INDEX

- A. General Summary of Water Production All Sources
- B. Well Water Monthly Production of Each Source of Supply
- C. Surface Water Monthly Production.
- D. Percent of Each Source of Supply Contribution To Monthly Production
- E. Pump Data Based On 1953 Installations and Well Ratings Based On "Ground Water Filings."
- F. Average Gallon Per Day Production And Potential Gallon Per Day Increase For Each Month With Present Facilities
- G. Storage Facilities Classified

20611

A. General Summary of Water Production All Sources.

<u>Month</u>	<u>Surface Water</u>	<u>Well Water</u>	<u>Total</u>
January	47,124,000	75,455,000	122,579,000
February	54,256,000	55,500,000	109,756,000
March	54,234,000	71,163,000	125,397,000
April	61,388,000	98,800,000	160,188,000
May	79,877,000	113,374,000	193,251,000
June	98,732,000	158,567,000	257,299,700
July	100,494,000	275,333,500	375,827,500
August	77,029,000	270,226,300	347,255,300
September	55,017,000	196,967,700	251,984,700
October	54,830,000	103,222,100	158,052,100
November	52,522,000	48,843,000	101,365,000
December	65,237,000	48,970,000	114,207,000
Totals	800,740,000	1,516,422,300	2,317,162,300

B. Well Water Monthly Production of Each Source of Supply.

WELL NO. 1

Drilled between 1926 or 1928 and 1930

Rated Capacity 1000 gpm = 2.23 cfs

Inactive Since 1950.

WELL NO. 2

Drilled between 1926 or 1928 and 1930

Rated Capacity 1400 gpm = 3.12 cfs

<u>Month</u>	<u>Actual Production Gal. Per Month</u>	<u>Hours Pumped</u>	<u>Rated Capacity Gal. Per Month</u>
January	45,196,000	739	62,496,000
February	40,873,000	684	56,448,000
March	45,415,000	744	62,496,000
April	44,803,000	720	60,480,000
May	47,604,000	744	62,496,000
June	46,143,000	720	60,480,000
July	48,064,000	744	62,496,000
August	47,764,000	744	62,496,000
September	45,858,000	720	60,480,000
October	46,582,000	744	62,496,000
November	43,578,000	720	60,480,000
December	44,993,000	744	62,496,000
Totals	546,873,000	8767	735,840,000

20611

WELL NO. 3

Drilled between

1926 or
1928 and 1930

Rated Capacity 1400 gpm = 3.12 cfs

Month	Actual Production Gal. Per Month	Hours Pumped	Rated Capacity Gal. Per Month
January	None		62,496,000
February	None		56,448,000
March	None		62,496,000
April	None		60,480,000
May	6,364,000	150	62,496,000
June	9,966,000	312	60,480,000
July	24,339,000	744	62,496,000
August	27,335,000	720	62,496,000
September	13,013,000	450	60,480,000
October	None		62,496,000
November	None		60,480,000
December	None		62,496,000
Totals	81,017,000	2376	735,840,000

Wells Nos. 4, No. 5, No. 6, No. 7
Rated Capacity 4000 gpm

Well # 4 1930 2.22
 Well # 5 1931 - Replaces # 1
 Well # 6 1934 2.22
 Well # 7 1940 2.22

Month	Actual Production Gal. Per Month	Hours Pumped	Rated Capacity Gal. Per Month
January	30,259,000	456	178,560,000
February	14,627,000	216	161,280,000
March	25,748,000	432	178,560,000
April	53,997,000	960	172,800,000
May	57,073,000	928	178,560,000
June	49,612,000	822	172,800,000
July	75,810,000	1316	178,560,000
August	74,693,000	1308	178,560,000
September	50,895,000	940	172,800,000
October	32,572,000	534	178,560,000
November	5,265,000	87	172,800,000
December	3,977,000	72	178,560,000
Totals	474,528,000	8071	2,102,400,000

20611

WELL NO. 8
Rated Capacity 1500 gpm

= 3.33 cfs

<u>Month</u>	<u>Actual Production Gal. Per Month</u>	<u>Hours Pumped</u>	<u>Rated Capacity Gal. Per Month</u>
January	None		66,960,000
February	None		60,480,000
March	None		66,960,000
April	None		64,800,000
May	None		66,960,000
June	5,666,700	105	64,800,000
July	41,901,500	700	66,960,000
August	44,609,300	744	66,960,000
September	38,905,700	640	64,800,000
October	10,756,100	180	66,960,000
November	None		64,800,000
December	None		66,960,000
Totals	141,839,300	2369	788,400,000

WELL NO. 9
Rated Capacity 450 gpm

= 1.00 cfs

<u>Month</u>	<u>Actual Production Gal. Per Month</u>	<u>Hours Pumped</u>	<u>Rated Capacity Gal. Per Month</u>
January	None		20,088,000
February	None		18,144,000
March	None		20,088,000
April	None		19,440,000
May	2,333,000	72	20,088,000
June	11,530,000	432	19,440,000
July	17,173,000	744	20,088,000
August	17,170,000	720	20,088,000
September	None		19,440,000
October	None		20,088,000
November	None		19,440,000
December	None		20,088,000
Totals	48,206,000	1968	236,520,000

20611

WELL NO. 10

Rated Capacity 2400 gpm = 5.33 cfs

<u>Month</u>	<u>Actual Production Gal. Per Month</u>	<u>Hours Pumped</u>	<u>Rated Capacity Gal. Per Month</u>
January	None		107,136,000
February	None		96,768,000
March	None		107,136,000
April	None		103,680,000
May	None		107,136,000
June	35,650,000	285	103,680,000
July	68,046,000	500	107,136,000
August	58,655,000	430	107,136,000
September	48,296,000	402	103,680,000
October	13,312,000	112	107,136,000
November	None		103,680,000
December	None		107,136,000
Totals	223,959,000	1729	1,261,440,000

NOTATION: Actual production in gal. per month and hours pumped are based on Merrill Fore's monthly water production reports. Rated Capacity in gal. per month is based on State of Idaho "Ground Water Filings."

C. Surface Water Monthly Production

	<u>GAL. Per Mo.</u>	<u>Production Gal. Per Min.</u>
January	47,124,000	1055 gpm
February	54,256,000	1345 "
March	54,234,000	1215 "
April	61,388,000	1420 "
May	79,877,000	1790 "
June	98,732,000	2285 "
July	100,494,000	2250 "
August	77,029,000	1725 "
September	55,017,000	1270 "
October	54,830,000	1230 "
November	52,522,000	1215 "
December	65,237,000	1460 "
Total	800,740,000	18,260
Average	66,730,000	1520 GPM

20011

D. Percent Each Source of Supply Contributes to Monthly Production

	<u>Surface Waters</u>	<u>Well No. 2</u>	<u>Well No. 3</u>	<u>Wells Nos. 4, 5, 6 & 7</u>	<u>Well No. 8</u>	<u>Well No. 9</u>	<u>Well No. 10</u>
January	38%	37%		25%			
February	49%	37%		14%			
March	43%	36%		21%			
April	38%	28%		34%			
May	41%	25%	3%	29%		2%	
June	38%	18%	4%	19%	2%	5%	11%
July	26%	13%	7%	20%	11%	5%	18%
August	22%	13%	9%	21%	13%	5%	17%
September	22%	18%	5%	20%	11%		19%
October	35%	29%		21%	7%		8%
November	52%	43%		5%			
December	57%	39%		4%			
Average	38%	28%	6%	22%	9%	4%	15%
Maximum	57%	39%	9%	34%	13%	5%	18%
Minimum	22%	13%	3%	4%	2%	2%	8%

E. Pump Data Based On 1953 Installation and Well Ratings Based on "Ground Water Filings."

	<u>Horsepower</u>	<u>Pump Rating</u>	<u>Capacity</u>	<u>Well Rating</u>
Well No. 1	Inactive			1000 gpm
Well No. 2	100 HP Fairbanks Morse		1000 gpm	1100 gpm
Well No. 3	75 HP Sterling		1000 gpm	1400 gpm
Well No. 4	150 HP Layne Bowler		1100 gpm	1000 gpm
Well No. 5	100 HP Fairbanks Morse		1000 gpm	1000 gpm
Well No. 6	150 HP Byron Jackson		1000 gpm	1000 gpm
Well No. 7	150 HP Layne Bowler		1100 gpm	1000 gpm
Well No. 8	100 HP Fairbanks Morse		1000 gpm	1500 gpm
Well No. 9	50 HP Denning		450 gpm	450 gpm
Well No. 10	250 HP Fairbanks Morse		2400 gpm	2400 gpm

Fremont Street Pumping Station

- 1 ea. 100 HP Fairbanks Morse - Capacity 1000 gpm
- 2 ea. 60 HP Fairbanks Morse - Capacity 500 gpm

NOTATION: Pump installations in wells are deep well turbine type pumps and the installations at Fremont Street are centrifugal type pumps

20611

F. Average Gallon Per Day Production and Potential Gallon Per Day Increase For Each Month With Present Facilities.

<u>Month</u>	<u>Average Production Gal. Per Day</u>	<u>Potential Increase Gal. Per Day</u>
January	3,950,000	10,990,000
February	3,920,000	11,020,000
March	4,060,000	10,880,000
April	5,340,000	9,600,000
May	6,230,000	8,710,000
June	8,580,000	6,360,000
July	12,120,000	2,820,000
August	11,200,000	3,740,000
September	8,400,000	6,540,000
October	5,100,000	9,840,000
November	3,380,000	11,560,000
December	3,680,000	11,260,000

Notation: The Potential Increase GPD represents average amount of water that was available over the demand for each month during 1953.

G. Storage Facilities Classified

1. Open Reservoir No. 1	Capacity 900,000 gallons
2. Open Reservoir No. 2	Capacity 1,500,000 Gallons
3. Open Reservoir No. 3	Capacity 2,000,000 gallons
4. Open Reservoir No. 4	Capacity 11,000,000 gallons
5. West Bench Steel Tank	Capacity 300,000 gallons
6. East Bench Steel Tank	Capacity 300,000 gallons

20611

SUMMARY OF DATA PERTAINING TO
CITY OF POCASTELLO WELL NO. 10
JANUARY 1951

By: James N. Scardino

INTRODUCTION

The City of Pocatello Well No. 10 (Tydeman Field Well) is owned and operated by the Pocatello Water Department. The water is used for domestic purposes in the City distribution system.

The well site proved to be a very satisfactory location, establishing a potential productive well field. (See test pumping data).

The drilling in the water bearing coarse gravel and boulders was very difficult. The hole was started 3 times, summarized as follows:

- 5-10-52 First drilling started.
- 5-20-52 First drilling stopped because bottom of casing broke.
All but the bottom 16 feet recovered.
- 5-25-52 Second drilling started, relocated approximately 5 ft.
north of first drilling.
- 5-28-52 Second drilling stopped at 40 ft. because casing going
in at an angle. The casing was pulled and hole caved in.
- 6-12-52 Third drilling started in same location and continued down
to complete the well.

Notation: Casing was slightly out of line in completed well.

The following is a summary of the data pertaining to Well No. 10.

WELL DATA

Location of Well: NE corner of Block 219 Original Pocatello Townsite, in $N\frac{1}{2}$ NE $\frac{1}{4}$
NW $\frac{1}{4}$ Sec. 26; T. 6 S.; R. 31 E.B.M.

Well drilled by: A. J. Schoonover.

Well started May 10, 1952 and completed September 15, 1952.

The Well was drilled to a depth of 350 feet and cased to a depth of 339 feet.

20611

Casing installed:

<u>From</u>	<u>To</u>	<u>Length</u>	<u>Description</u>
0'	100'	100'	20" O.D. 3/8" wall thickness standard seamless steel pipe.
94'	100'	6'	20" & 16" casing overlaps
94'	339'	245'	16" O.D. 3/8" wall thickness standard seamless steel pipe.

Perforated casings:

<u>From</u>	<u>To</u>	<u>Remarks</u>
57'	90'	33' of 470 perforations in 20" casing cut 1/2" x 6" 10 to a round of 47 sets.
90'	98'	8' of no perforations allowed for casing overlap.
98'	107'	9' of 80 perforations in 16" casing cut 1/2" x 6" 8 to a round of 10 sets.
107'	119'	12' of no perforations allowed for clay horizon
119'	155'	36' of 336 perforations in 16" casing cut 1/2" x 6" 8 to a round of 42 sets.

Static level of water was recorded at 38 ft. 7-3/4 inches below floor level or at an elevation of 4424.1 September 13, 1952.

(Note: All measurements are referenced to pump house floor level elevation 4462.7 feet).

DEVELOPMENT AND TEST PUMP

The development and test pumping of the well consisted of a continuous 12 hour pumping period, a 35 hour rest period, and a second continuous 12 hour pumping period. Results were as follows:

Sept. 13, 1952 First continuous 12 hour pumping period averaged 2075 gallons per minute with a 4-3/4" drawdown.
Sept. 15, 1952 Second continuous 12 hour pumping period averaged 1835 gallons per minute with a 3 1/2" drawdown

Maximum water pumped recorded 2240 gallons per minute with a 5 1/4" drawdown.

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RECORD OF FIRST CONTINUOUS PUMPING PERIOD
SEPTEMBER 13, 1952

<u>Time</u>	<u>Rate of Discharge</u>	<u>Static Level</u>	<u>Running Level</u>	<u>Drawdown</u>
8:20 AM	2240 gpm	38' 7-3/4"		
8:38	" "			
8:50	" "		39' 1/2"	4-3/4"
9:02	" "		"	"
9:10	" "		"	"
9:21	" "		39' - 1"	5-1/4"
9:32	2220 gpm		39'	4-1/4"
10:00	" "		39' - 1"	5-1/4"
10:37	" "		39'	4-1/4"
10:58	2240 gpm		39' - 1/2"	4-3/4"
11:32	" "		39'	4-1/4"
12:06 PM	" "		39'	4-1/4"
12:24	2220 gpm		39'	4-1/4"
12:48	" "		39'	4-1/4"
1:05	2240 gpm		39' - 1/2"	4-3/4"
1:41	2220 gpm		39'	4-1/4"
2:00	2240 gpm		39'	4-1/4"
2:45	2220 gpm		39' - 1/2"	4-3/4"
3:00	" "		39' - 1/2"	4-3/4"
3:34	" "		39' - 1/2"	4-3/4"
3:47	" "		39' - 1/2"	4-3/4"
4:48	" "		39' - 1"	5-1/4"
5:14	" "		39' - 1"	5-1/4"
6:02	" "		39' - 1/2"	4-3/4"
6:44	" "		39' - 1"	5-1/4"
7:00	" "		39' - 1 1/4"	5-1/2"

RECORD OF SECOND CONTINUOUS PUMPING PERIOD
SEPTEMBER 15, 1952

7:32 AM	2050 gpm	38' 7-3/4"	38' - 11 1/2"	3-3/4"
7:51	" "	"	"	"
7:57	" "	"	39'	4-1/4"
8:54	1980 gpm	"	38' - 11 1/2"	3-3/4"
9:42	" "	"	39'	4-1/4"
10:00	" "	"	"	"
10:45	" "	"	38' - 11 1/2"	3-3/4"
11:08	" "	"	"	"
11:30	1900 gpm	38' 7-3/4"	"	"
11:37	" "	"	38' - 11 1/4"	3-1/2"
11:45	" "	"	38' - 11-3/8"	3-5/8"
11:51	" "	"	38' - 11-1/8"	3-3/8"
11:55	" "	"	"	"
12:03 PM	1775 gpm	"	38' - 10-7/8"	3-1/8"
12:06	" "	"	38' - 10-5/8"	2-7/8"
12:53	" "	"	38' - 10-3/4"	3"
1:03	" "	"	38' - 10-5/8"	2-7/8"
1:09	" "	"	38' - 10 1/4"	2-3/4"

STRATA ENCOUNTERED

<u>From</u>	<u>To</u>	<u>Thickness</u>	<u>Description</u>
0'	11'	11'	Clayey top soil
11'	20'	14'	Sand
20'	32'	12'	Coarse Gravel
32'	110'	78'	Boulders, Coarse Gravel & water bearing
110'	115'	5'	Clay
115'	158'	43'	Boulders, coarse gravel & water bearing
158'	185'	27'	Grey sandy clay
185'	188'	3'	Gravel & water bearing
188'	194'	6'	Grey Clay
194'	195'	1'	Gravel
195'	207'	12'	Grey sandy clay
207'	211'	4'	Gravel
211'	219'	8'	Grey sandy clay
219'	287'	68'	Tan clay & streaks gravel & sand
287'	302'	15'	blue-grey sandy clay
302'	350'	48'	Blue-grey sandy clay & streaks of gravel.

1953 PRODUCTION RECORD

Well No. 10 was put into production June 1952. The well was in operation during the 5 month peak demand period (June to October). The following is a summary of water produced for each month.

<u>Month</u>	<u>Actual Production Gallon Per Month</u>	<u>Hours Pumped</u>	<u>Potential Production Gallons Per Month</u>
June	35,650,000	285	103,680,000
July	68,046,000	500	107,136,000
August	58,655,000	430	107,136,000
September	48,296,000	402	103,680,000
October	13,312,000	112	107,136,000
Totals	223,950,000	1729	528,768,000

The efficiency of production based upon the number of hours the pump was in operation would be 47 per cent during this period. However, the East Bench Reservoir will increase the effectiveness of the well.

CONCLUSION

Well No. 10 established this area as a potential prolific well field. Future developments could include the drilling of additional wells at this location. Diversion points will probably be:

Well No. 21 capacity 3,450,000 GPD
Well No. 22 capacity 3,450,000 GPD
Well No. 23 capacity 3,450,000 GPD

The drilling of these wells will not have to exceed 200 feet, water bearing horizons occurring as follows:

<u>From</u>	<u>To</u>	<u>Thickness</u>	<u>Description</u>
32'	110'	78'	Boulders & coarse gravel
115'	158'	43'	Boulders & coarse gravel

The factor limiting the development of this well field will be the size of water main to distribute the water. The planning of wells to be drilled and size of water mains to be installed should be carefully examined and integrated into the future maximum developments.

20611

Date of Notice 7-13-1948
Date of Publication 7-26-1948
Last Date for Protest 8-22-1948

APPLICATION FOR PERMIT
To Appropriate the Public Waters of the State of Idaho

29-227

IF PROTESTED

Notice of Hearing _____

APPLICATION No. 28180
PERMIT No. 20611
DISTRICT No.

1. Name of Applicant: CITY OF POCATELLO, A Municipal Corporation

Postoffice address: Pocatello

County: Bannock

State: Idaho

I. If applicant is a corporation, give:

(a) Date and place of incorporation: 1892

(b) Amount of capital stock:

(c) Amount paid in:

(d) Names and addresses of directors: Mayor and City Council: George R. Phillips, J. P. Halliwell,
James Hopper, Harold Hinckley, James Bowne

II. The financial resources of the applicant are:

(b) Treasury stock:

(d) Other resources: Through taxation

(a) Cash on hand:

(c) Bonds to be issued:

2. Quantity of water claimed: 54

cubic feet per second.

3. Source of water supply: Subterranean, under City of Pocatello, on City-owned property

4. Location of point of diversion: See map attached feet distant from the

Center
NW 1/4 SW 1/4
NW 1/4 SE 1/4
NW 1/4 SE 1/4
corner of Section 15, T. 7 S., R. 34 E., B.M., and is in the
of Section 35, T. 6 S., R. 34 E., B.M., County of Bannock
" 27, T. 6 S., R. 34 E.

5. Water is to be used for Domestic supply for City of Pocatello and adjacent area

6. If for mining, milling, power or manufacturing purposes, give:

(a) Point of use of water: feet distant from corner of Section

T., R., B.M., in the of Section, T., R., B.M.

(b) Amount of power generated: H.P., under feet head.

(c) Water is to be returned to at a point feet

distant from the corner of Section, T., R., B.M., in the
of Section, T., R., B.M.

7. Estimated cost of works: \$ 2,000,000.00

8. Kind of works: Wells, pumps, Reservoir and pipe system

9. Height of dam feet; length of dam at top feet; length of dam at bottom

feet; material used in dam:

10. Size of headgate: Width feet; height feet.

11. Ditch: Width at bottom feet; width at water line feet; depth of water feet;

dimensions of flume:

Diameter of pipe inches; length of conduit miles.

Average grade per mile feet.

12. The time required for the completion of such work is Five (5) years.

13. The time required for the complete application of the water to the proposed use is Six (6) additional years.

14. The land to be irrigated is described in the following tabulation: See remarks.

15. Existing water rights and/or valid permits appurtenant to the lands to be irrigated are:

- BE IT KNOWN THAT The undersigned hereby makes application for permit to appropriate the public water of the State of Idaho as herein set forth.

By

Date of first receipt at Department of Reclamation: 9:00 A. M. June 15, 1948

Corrected application received:

The number of this permit is 20611
Recorded in Book 74 Page 20611 Approved September 2, 1948
This is to certify that I have examined the within application for a permit to appropriate the public waters of the State of Idaho, and
hereby approve the same, subject to the following limitations and conditions:
Bond in the sum of \$ 1,000.00 to be filed on or before November 2, 1948
Work to begin on or before _____ and to continue diligently and uninterruptedly to completion,
unless temporarily interrupted by circumstances over which permit holder has no control.
One-fifth of the work above specified to be completed on or before March 2, 1951
The whole of said work to be completed on or before September 2, 1953
Beneficial use of water appropriated in accordance herewith, to be made on or before September 2, 1959

WITNESS My hand this 2nd day of September, 1948

IN TESTIMONY WHEREOF, WE, C. A. ROBINS

Governor of the State of Idaho,

and.....J. D. "CY" PRICE.....

Secretary of State of the State of Idaho, have caused this instrument to

be executed in the name of the State of Idaho, and caused the Great Seal of the State of Idaho to be hereunto affixed, this 2nd

day of September, 19 48

STATE OF IDAHO

Countersigned:

By C. A. ROBINS

(SEAL)

By J. D. "CY" PRICE

Governor.

By _____ Secretary of State.

REMARKS: The City of Pocatello, from the years 1928 to 1930, developed three wells at an area known as Ross Park. These wells are designated as No. 1, 2 and 3, and have the following capacity: No. 1- 1100 g.p.m., No. 2- 1100 g.p.m., No. 3- 2200 g.p.m. (Continued below)

14.

14.

Twp.	Range	Sec.	NE¼				NW¼				SW¼				SE¼				Totals
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
REMARKS (Continued) Further development of the subterranean water took place in an area known as Rainey Park. In 1930 and 1931 two wells were drilled in this area and are designate as Wells No. 4 and 5. No 4 has a rated capacity of 2100 g.p.m., No. 5 has a rated capacity of 1100 g.p.m. In 1934 an additional well was drilled in this area and is designated Well No. 6. Its capacity is 1100 g.p.m. In 1940 a fourth well was drilled in this area and is designated as Well No. 7, having a capacity of 2110 gal. per minute. In 1947 additional development was made in an area known as North Pocatello Park. The well here is designated as Well No. 8 and has a rated capacity of 3000 g.p.m. In 1948 another well will be drilled in an area known as Raymond Park and this well will be designated as Well No. 9, and will have a rated capacity of 2000 g.p.m. In the next five years it is expected to develop one more well in the Raymond Park area and two more wells in the North Pocatello area. These will be designated as Well No. 10, 11, and 12, and each will be developed for a rated capacity of 2000 g.p.m. The total of the above now in use and those contemplated is approximately 44 second feet. This is the definite amount we would like to file on at this time; however, for the eleven year period, we believe future growth may require an additional 10 second feet, and, therefore, would like to file on a total of 54 second feet of subterranean water for present use and future use of the City of Pocatello.																			

APPLICATION FOR AMENDMENT
TO PERMIT TO APPROPRIATE THE PUBLIC WATERS
OF THE STATE OF IDAHO, NO. 20611

Comes now City of Pocatello and represents to the State Reclamation Engineer of the State of Idaho:

That it is the owner and holder of Permit to appropriate the Public Waters of the State of Idaho, No. 20611.

That the point of diversion or location of Well No. 10 is described in the permit as being in the Raymond Park.

That it now requests that the point of diversion or location of said wells be changed as follows: Well No. 10 to Tydeman Field,

That the reasons for desiring to make such changes are as follows: The previous location at Raymond Park proved to be an unfavorable well field and a point of diversion was needed at the old Airport.

That no one will be injured by such change, and that such change will be made at Permit Holder's own risk.

Signed at Pocatello, Idaho this 18 day of July 1953.

CITY OF POCATELLO

W. B. WEBB
City Manager

Date of receipt at Department of Reclamation July 20, 1953

APPROVAL OF STATE RECLAMATION ENGINEER

I, Mark R. Kulp, State Reclamation Engineer of the State of Idaho, hereby approve the above and foregoing application for amendment to Permit to appropriate the Public Waters of the State of Idaho, No. 20611. This approval constitutes a new permit and is issued as an amendment to the original permit, to which it refers, and of which it becomes a part, and said application is approved only insofar as the rights of others will not be adversely affected thereby.

MARK R. KULP
State Reclamation Engineer

Permit No. 20611
CERTIFICATE OF COMPLETION OF WORKS

TO ALL WHOM IT MAY CONCERN:

This is to certify that City of Pocatello, a municipal corporation of Pocatello, County of Bannock and State of Idaho, the holder of Permit No. 20611, issued upon Application No. 28180 bearing date of priority of June 15, 1948 authorizing the diversion of 54 second feet of the waters of ten wells (subterranean flow) County of Bannock, State of Idaho, for municipal water supply purposes, has fully complied with the provisions of the laws of the State of Idaho relating to the proof of completion of the works of diversion set out and described in said Permit; that said works are adequate for diverting and conveying to the place of intended use twenty-one (21) second feet of the waters of said wells; that the points of diversion of said waters are as follows: No. 1-Ross Park; Nos. 2 & 3-Ross Park; Nos. 4, 5, 6, 7-Rainey Park; No. 8-North Pocatello Park; No. 9-Raymond Park; No. 10-Tydeman Field, and that the place of use of said water is the City of Pocatello and adjacent area.

Witness my hand this 13th day of May, A. D. 1954.

MARK R. KULP
State Reclamation Engineer

Proof of completion of works made September 2, 1953
Certificate of Completion of Works issued May 13, 1954

CERTIFICATE ISSUED FOR 21 SEC. F.

Page 6562

SUMMARY OF DATA PERTAINING TO CITY OF POCATELLO
WELL NO. 8

March 1954

By: James N. Scardino

Introduction

The City of Pocatello Well No. 8, located in the Valleyview Tract, is owned and operated by the Pocatello Water Department. The water is used for municipal purposes in the City distribution system.

The well was originally drilled to a depth of 105 feet. Later it was deepened to 350 feet. The following data briefly summarizes the original drilling according to the well driller's report.

1. The first drilling of Well No. 8 was started on August 1, 1947 and completed October 31, 1947 by A. J. Schoonover, Burley, Idaho.
2. The well was drilled to a depth of 105 feet and cased to a depth of 100 feet.
3. The 20 inch casing has 17' perforations from 35' to 51', size of cut 5/16" x 6".
4. Strata Encountered:

<u>From</u>	<u>To</u>	<u>Thickness</u>	<u>Description</u>
0'	5'	5'	Topsoil
5'	31'	26'	Sand, Gravel, Dirt & Boulders
31'	40'	9'	Gravel & Boulders
40'	55'	15'	Gravel
55'	64'	9'	Clay
64'	105'	41'	Packed sand & Small Boulders

5. Static level of water is 31 feet from the surface of the ground, October 31, 1947.

The following is data pertaining to the deepening of Well No. 8 and also includes the well driller's data. (Well driller's data will be noted with asterisks).

WELL DATA

Location: Well No. 8 is located in Valleyview Park on 300 Block West Eldredge, in NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35, T. 6 S., R. 34 E.B.M.

Well Drilled by: A. J. Schoonover, Burley, Idaho

206/11

Well Drilled:

*First drilling started: Aug. 1, 1947 completed Oct. 31, 1947.
Second drilling started: Jan. 27, 1953 completed April 25, 1953

The well was drilled to a total depth of 320 feet and cased to a depth of 270 feet.

Elevation: 4450.85 feet. Reference Point floor level

Casing Installed:

Date	From	To	Length	Description
* 10-31-47	0'	100'	100'	20" O.D.-3/8" Std. Steel pipe
3-22-53	0'	116'	116'	16" O.D.-5/16" Std. Steel pipe
2-10-53	116'	270'	154'	16" O.D.-3/8" Std. Steel pipe

Notations: The first 100 ft. is overlap of 16" casing inside the 20" casing.

At 270 ft. the casing was reduced to 12-3/4" O.D. casing and drilling continued to a depth of 320 feet. Drilling was stopped April 10, 1953 and all of the 12-3/4" casing pulled out.

Favorable Water Bearing Horizons:

From	To	Thickness	Description
* 31'	40'	9'	Gravel & boulders - Water Bearing
" 40'	55'	15'	Gravel - water bearing
105'	126'	21'	Sandy Gravel - water bearing
126'	151'	25'	Sandy Gravel & boulders - water bearing
201'	220'	19'	Sandy Gravel - water bearing
228'	251'	23'	Sandy Gravel - water bearing

Notation: Average Sieve Analysis of the sandy gravel was as follows:

Silt & less	1/2%
Fine Sand	12%
Medium Sand	18%
Coarse Sand	12%
Granule	19%
Pebbles & Greater	39%

20611

Perforated Casing Records

<u>From</u>	<u>To</u>	<u>Length</u>	<u>Number</u>	<u>Description</u>
* 35'	52'	17'	177	cuts 5/16" x 6" in the 20" casing
35'	95'	60'	180	cuts 1/2" x 6" in the 16" casing
114'	149'	35'	280	" " " " " "
201'	220'	19'	160	" " " " " "
228'	251'	23'	184	" " " " " "

Notation: The reason for the perforations in the 16 inch casing from 35' to 95' was to give the water a better opportunity to enter from the 20 inch casing (perforated from 35' to 52') into the 16 inch casing.

Strata Encountered

<u>From</u>	<u>To</u>	<u>Thickness</u>	<u>Description</u>
* 0'	5'	5'	Topsoil
* 5'	31'	26'	Sand, gravel, dirt & boulders
* 31'	40'	9'	Gravel & boulders - water bearing
* 40'	55'	15'	Gravel - water bearing
* 55'	64'	9'	Clay
* 64'	105'	41'	Packed sand & small boulders
105'	126'	21'	Sandy gravel - water bearing
126'	151'	25'	Sandy gravel & boulders - water bearing
151'	195'	44'	Sandy gravel, boulders & clay
195'	201'	6'	Clayey gravel
201'	220'	19'	Sandy gravel - water bearing
220'	228'	8'	Sandy clay & boulders
228'	251'	13'	Sandy gravel - water bearing
251'	320'	69'	Clayey gravel & boulders

Test Pumping of the Well:

The test pumping of the well consisted of pumping continuously 12 hours, 4-19-53, 4-21-53 and 4-25-53.

The test pump setting was as follows:

- 10 feet of 10" I. D. Suction Pipe
- 5 feet of 1 1/2" O. D. Bowl Assembly (5 stages)
- 135 feet of 10" O. D. Column Pipe
- Deep Well Turbine Pump capacity 2000 gpm - diesel power.

The first and second test periods pumped water from water bearing horizons from 114 ft. to 251 ft. (See perforated areas for various horizons of water).
The third test period included all water bearing horizons.

20611

First Continuous 12 Hour Test Period

Test pumping started at 6:55 A.M. and ended 6:55 P. M. April 19, 1953

<u>Time</u>	<u>Rate of Discharge</u>	<u>Static Level</u>	<u>Running Level</u>	<u>Dress-Down</u>	<u>Remarks</u>
6:55 AM		37.6			
7:10 "	1675 GPM				
7:25 "	1700 "				
7:45 "		39.8			Cut Motor Static level did not completely recover Started Motor
7:50 "	1725 "				
8:00 "			125.5	87.9	
8:15 "			123	85.4	
9:35 "			122.5	84.9	
10:01 "			122.5	84.9	
10:01 "		Recorded Rate of Recovery			Cut Motor
10:02 "	Approx.	1 min. to recover to 55'			
10:03 "		(47'			
10:09 "		(44'			
10:11 "		(43'			
10:13 "		(42.6'			
10:15 "		(41.6'			
10:19 "		(40.3'			
10:22 "		(40.3'			
10:25 "		(39.2'			
10:30 "		(39.5'			
10:32 "		(39.8'			
10:37 "		(38.9'			
10:39 "		(38.9'			
10:40 "		Recorded Rate of Drawdown			Start Motor
10:41 "			(105'	67.4'	
10:42 "			(110'	72.4'	
10:43 "	1725 GPM		(115'	77.4'	
10:46 "	" "		(119'	81.4'	
10:47 "	" "		(120'	82.4'	
10:52 "	" "		(123.6'	86.0'	
11:37 "	" "		(122.8	85.2'	
11:38 "					Cut Motor
11:55 "	1750 GPM		122.0	84.4	Start Motor
12:11 PM			122.4	84.8	
1:04 "	1675 "		121.0	83.4	
1:45 "	1700 "		122.8	85.2	
2:09 "	1700 "		122.8	85.2	
2:06 "	to(Started & stopped pump periodically to				
2:53 "	surge well)				
2:53 "	1700 GPM		122.8	85.2	
3:30 "	1675 "		122.8	85.2	
4:10 "	1675 "		123.0	85.4	
4:30 "	1700 "		122.5	84.9	
5:15 "	1700 "		123.6	86.0	
5:45 "	1700 "		123.8	86.2	
5:46 "	to(Started & Stopped Pump periodically to				
6:24 "	Surge Well.				
6:25 "	1750 GPM		124	86.4	

20611

<u>Time</u>	<u>Rate of Discharge</u>	<u>Static Level</u>	<u>Running Level</u>	<u>Draw Down</u>	<u>Remarks</u>
6:40 PM	1675 GPM		124	86.4	
6:55 "	1675 "		124	86.4	
7:30 "		38.9			

April 20, 1953 at 1:15 PM static level recorded at 38.2 ft.

Summary of first test period:

Maximum Rate of Discharge 1750 GPM drawdown 84.4 ft.
Minimum Rate of Discharge 1675 GPM drawdown 83.4

Rate of drawdown from static level 38.9 ft. to running level of 123.6 ft. was recorded at 11 minutes (see rate of drawdown for additional data). Rate of Recovery from running level of 122.5 ft. to static level of 38.9 ft. was recorded at 38 minutes. In addition it took the static level to recover from 38.9 ft. to 37.6 ft. approximately 35½ hours. (See rate of recovery for additional data).

Note: The first test period pumped water from water bearing horizons from 114 ft. to 251 ft. (the 16 inch casing was not perforated from 35 ft. to 90 ft.)

Second Continuous 12 Hour Test Period

Test pumping started at 6:55 A.M. and ended 6:55 P.M. April 21, 1953.

<u>Time</u>	<u>Rate of Discharge</u>	<u>Static Level</u>	<u>Running Level</u>	<u>Draw Down</u>	<u>Remarks</u>
6:55 AM		37.6'			
to 10:14 "	Started & stopped pump periodically to surge well It would take the water 6 to 7 min. to clear				
10:16 "	1725 GPM		119.0	81.4'	
10:21 "	1000 GPM		82.0	44.4	
10:34 "	1000 GPM		80.0	42.4	
10:59 "	1000 "		79.5	41.9	
11:40 "	1000 "		79.5	41.9	
11:41 "	Started & Stopped pump periodically to surge well				
to 12:28 PM	& took water sample #8A				
12:46 "	1725 GPM		121.0	83.4	
1:25 "	"		121.5	83.9	
1:25 "	Stopped Motor				
1:42 "	Recorded rate of drawdown				
1:41 "		38'			
1:42 "			(100'	62.4	(Started Motor
1:43 "	1725 GPM		(105'	67.4	(pulled down
1:44 "	1725 "		(110'	72.4	(immediately
1:46 "	1675 "		(115'	77.4	(to 100 ft.
1:50 "	"		(117'	79.4	
1:52 "	"		(118'	80.4	
1:57 "	"		(119'	81.4	
2:07 "	"		(120'	82.4	
2:20 "	"		(121'	83.4	
2:30 "	Started & stopped pump periodically to surge well				
to 6:09 "					

20611

<u>Time</u>	<u>Rate of Discharge</u>	<u>Static Level</u>	<u>Running Level</u>	<u>Draw Down</u>	<u>Remarks</u>
8:00 AM		37'			
8:30 "	2025 GPM				
9:10 "	2075 "		80'	43'	
	Surge well				
10:27 "	2025 GPM		80.5'	43.5'	
10:35 "	" "		83'	46'	
	Surge well				
11:41 "	2125 GPM		79'	42'	
11:55 "	" "		79'	42'	
12:10 PM	" "		76'	39'	
12:14 "	1150 "		55'	18'	
12:26 "	" "		53.5'	16.5'	
1:38 "	1000 "		42.1'	4.9'	
2:11 "	975 "		41.9'	4.1'	
2:31 "	1275 "		61'	24.0'	
2:51 "	2150 "		62'	25'	
3:02 "	1525 "		56.5'	19.5'	
3:12 "	1525 "		57'	20'	
3:24 "	1525 "		56.3'	19.3'	
	Surge well Sample #8 B				
4:36 "	Cut Motor				
4:51 "	Started motor	recorded rate of drawdown			
4:51 "	1700 GPM	37'			
4:52 "	" "		49'	12'	
4:54 "	1600 "		53.5'	16.5'	
5:02 "	1875 "		53.8'	16.8'	
5:05 "	1850 "		59'	22'	
5:10 "	1825 "		59'	22'	
5:24 "	1825 "		59.5'	22.5'	
	Surge Well				
6:49 "	1100 "		42.1'	5.1'	
6:58 "	1050 "		42.8'	5.8'	
7:11 "	1275 "		45.4'	8.1'	
7:23 "	1275 "		46'	9.0'	
7:28 "	1825 "		57.1'	20.1'	
7:33 "	1825 "		56'	19'	Cut motor
	Record Rate of Recovery				
	10 sec. to recover to 50'				
7:35 "		38.5'			
7:37 "		38.0'			
7:40 "		37.6'			

Summary of Third Test Period

Maximum Rate of Discharge 2150 GPM Drawdown 44 ft.
Minimum Rate of Discharge 1000 GPM Drawdown 6 ft.

Drawdown rate from static level 37 ft. to running level of 59.5 ft. was recorded at 23 minutes. Rate of Recovery from running level 56 ft. to static level 37.6 ft. recorded at 7 minutes.

20611

NOTE: The 16 inch casing was perforated from 35 ft. to 90 ft. during the third test period. This test period included all water bearing horizons.

GROUND WATER PRIORITY RIGHT

The City of Pocatello Well No. 8 has a ground water priority as a point of diversion to appropriate the subterranean waters of the State of Idaho under

Application No. 28180

Permit No. 20611

Priority Date June 15, 1948

Proof of Completion of Work due Sept. 2, 1953 for 3.33 cubic feet per second

Proof of Beneficial Use due Sept. 2, 1959 for 3.33 cubic feet per second

Quantity of water claimed 3.33 cubic feet per second or 1500 gallon per minute.

CONCLUSION

The capacity of the well was increased from 500 GPM to 1200 GPM by the additional drilling. A summary of the third test pumping period for various rates of discharge as follows:

<u>Rate of Discharge</u>	<u>Drawdown</u>	<u>Condition of Pumped Water</u>
2075 GPM	43 ft.	Visual turbidity was very noticeable for 11 to 15 minutes each time pumping started, grading from a dirty to cloudy color.
1525 GPM	18.5 ft.	Visual turbidity was noticeable for 6 to 7 minutes each time pumping started, grading from a slightly dirty to cloudy color.
1000 GPM	5 ft.	Visual turbidity was at a minimum each time pumping started, being slightly cloudy for 1 to 2 minutes.

Summarized the suggested capacity of this well would be a maximum of 1200 GPM. Capacities greater than 1200 GPM or drawdowns greater than 6 ft. presents the problem of a high degree of turbidity. However, with additional pumping the well may possibly be developed to greater capacities.

20611

From
File
29-2274
April 6, 1954
Exam

#9, 14'x14'x18'. concrete
S.H. = 10'10"
Deming Pump, #4492
size 6"-12" stage 73' col
504hp 45. mtds 357814
440V. 612. 1800 rpm
350gpm = 441,
14" del. into system
Pg. D & E. The same
condition
8" del
1000hp. 440V 121A.
U.S. 1800 rpm 37372A
F.M. Pump.
P.M. 4081
1000gpm pump.
concrete block 16'x16'x10'
37'3" on new 1-54 = 5 ft.
37'4" today

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
BOISE
REPORT OF ENGINEER

PERMIT NO. 20611

new well fore

5000 000
68
84. of prop. 400 inches
441(2.54) 200
S.H. 251
22
2.2
2.8
22.24
fire hydrant
#8
#10
#2
#3
#9

#7, 12'x12'x14' concrete
150hp. 3.3. Induction
440V. 170A. 1160rpm
#4809922.
Well house 14'x14'x14'
S.H. = 21'3" concrete block
H = 23'1" water
Turnbull switches
and controls
74 stage 14"
10" col. 70'
S.H. = 28'2" #6
23'10" water
Region Jackson Pump
BY 16297
G.E. 150hp. 1750 rpm
440V. 175A. Induction
5313369
66' col. 6 stage 10"
10"

CITY OF POCAHELLO, C/o W. B. Webb, City Manager

#5 12'x12'x14' concrete
S.H. = 28'9" 37'1" col
Concrete floor.
G.E. mtds 440V. 1200 rpm
100hp. #W06637504
1765 rpm
Pump = F.M. 6 stage 8"
PH 3457 8" col
8" del to 12" into system
No. 4. 1000hp 1100 rpm
S.H. = 29'8" new 4-54
5.0-31'6" new added 17
G.E. Induction mtds
150hp. 1155 rpm
440V. 174A. #4552872
duplicate model of #9
#4025 = large pump
5" induction good for four wells
in 24 hrs. 4-5-6-7.
G.E. Controls
Plume = out of #5.

R-34E.

Well #1 = 00."

#2 = 155"

#3 = 70"

#4 = }

#5 = }

#6 = }

#7 = }

#8 = 133"

#9 = 40"

#10 = 252"

18.52" or 21 ft.

15
P.D.
Well No. 8

P.D.
Well No. 10

For Map see filing map.

T.
6
S.

27
P.D.
Well No. 9

26

27 26
35

26
35

35

P.D. Nos. 4, 5, 6, 7

35

21

26 26

26

T.
7
S.

P.D. Nos. 1-3
-2
-3
Sec.

See detail map in permit jacket.

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
BOISE, IDAHO
REPORT OF ENGINEER

Permit No. 20611

This proof is for Completion of Works

In Water District No.....

1. Name of applicant City of Pocatello, W. B. Webb, City Manager, Pocatello, Idaho
2. Source of water supply: Subterranean from wells.
3. Location of point of diversion: Is in the See Below of Section
T..... R..... County of Bannock
4. Describe works as they exist, giving dimensions and capacities of same:.....
5. Water is used for: Municipal water supply for Pocatello and adjacent territory.
6. State whether or not water has been turned into works of diversion:.....
7. List legal subdivisions of lands to be irrigated. If proof is for beneficial use, give exact number of acres under cultivation in each forty-acre tract. (Describe manner and place of use if other than irrigation):
- Wells are located as follows: No. 1- Ross Park- also Nos. 2 and 3;
Nos. 4, 5, 6, 7,, Rainey Park; No. 8, North Pocatello Park; No. 9- Raymond Park;
No. 10- Tydeman Field.

(Submit map on attached plat, showing location and details of above description.)

8. What large stream would the water here appropriated finally reach?.....

Remarks :

This examination was made on the 6 day of April, 1953

(Signed) E. M. Humphrey Examiner

20611

#10 34' x 21" 11"
 F.M. note 250 ft.
 1900, 2900, 1735 ym.
 #376501
 96' 6" by 12"
 12" d. col
 P.M. 7187 F.M. Pump.
 12" d. col. with line
 cattle pressure control
 in block - 14' x 18' x 10' h.
 covered steel block
 #3. 4.5. 73 by 4400 1900.
 1800 ym. #215727
 starting pump 29317
 1960 ym. 1000 gpm @ 200'
 12' x 12' x 10' h. plastic block
 de D pond control
 32' x 32'

#1 well no pump,
 not used since 1915,
 18' x 24' x 12' h. - top lower
 9 inches 2 down (blowout)

38' 3" = 5 ft.

INSTRUCTIONS TO EXAMINERS

1. Always carefully note the location of the point of diversion and accurately plat same.
2. When proof is for beneficial use, carefully check up the number of acres actually irrigated in each forty and accurately plat same.
3. Make a map showing the correct location of streams and ditches, and the irrigated lands, and any adjacent permanent landmarks, such as towns, lakes, large streams and public roads.
4. If any unusual conditions are discovered, make plain statement of them under remarks.
5. Always see the holder, if possible, and go over the whole ground with him and make your report only upon actual existing facts and conditions.
6. Give general characteristics of soils, topography, and crops raised.

City of Postville
 Postville, Idaho
 Permit No. 20611

Examination for Completion of Works

County - Benneek
 15, 26, 27, 35 - 65 - 34 E.
 1 - 75 - "

= 540 a.p.s.
 # = Wells
 #1, 2, 3 - Res. 1, 175 - R. 34 E.
 #4 - 5, 6, 7 - Res. 1, 175 - R. 34 E.
 #8 - 15, 16, 17 - Res. 1, 175 - R. 34 E.
 #9 - 27, 28, 29 - Res. 1, 175 - R. 34 E.
 #10 - 30, 31, 32 - Res. 1, 175 - R. 34 E.

We - Domestic

Permit - June 15, 1948
 Due - Sept. 2, 1957

Pop. 2000 people.
 3304 acres.

T upon, J. E. water supply.

#2. 76' x 8" col. 64 by 8"
 G.E. 100 by 4400 1900
 1765 ym. WD 6637502

PH 8456 F.M. Pump Tank
 1000 ym.
 8" d. 5 N. with system

Home - 2000. 14' x 16' x 8' h. (covered floor)
 32625 ft.
 water control 3912" mm
 91' x 10'

0611.

April 6-54

Points of diversion are correct as listed and shown on their filing map.

All water is used for domestic-industrial-or irrigation within City of Pocatello. Population is listed as over 26000 in census. "Poky" claims 28000.

Area is 8306 acres.

Well #1.

No pump in well - unused since 1930.

Well house is regular dwelling house construction.

Wood - 10' x 24' x 12'. Seven windows, two doors - plastered
Static H is 38' 5". Concrete floor.

Well #2. Operating.

76' x 8" column - 6 stages 8" bowls. Static H = 32' 6"
Running H = 39' 1 1/2"

Pump house is wooden construction

Size 14' x 16' x 8'. Concrete floor.

100 hp. G.E. Motor, 440v., 120 amps, 1745 rpm. # WD 6637502

Fairbanks ~~down~~ well turbine. 8" delivery pipe

1400 gpm. allow 155 inches.

Well #3.

Well house = plastered building - concrete floor. Size 12' x 12' x 10'.
Static H. = 32'

75 hp. H.S. Motor - 440v. - 90 amps. 1800 rpm. # 215727

Sterling Pump - turbine # 9317.

Square D panel control.

allow 70 inches

20611

20611

April 6-54

Well #4.

Wells #4-5-6-7 are located close together
and will be rated together. They interfere.

150 hp. G.E. Induction Motor 1155 rpm.

Static H. = 29'8" Mar 4-54

440V. 174A. 453-2872.

Operating H. = 31'6" today.

house is 12'x12'x10'h. stucco bldg.

Layne Pump #4025

14 stage, 14" bowls, 10" x 70' column.

Well #5. Operating

Well house is 12'x12'x10'h. stucco building. Concrete floor.

100 hp. G.E. Motor 440V, 120A.

Static H. = 23'9"

1765 rpm, #W06687504

Operating H. = 31'1 3/4"

Fairbanks Morse Pump. #PH 3457

6 stage, 8" bowls, 8" x 76' column. 8" delivery.

Well #6

Static H. = 22'2"

150 hp. G.E. Motor, 440V, 175A, 1750 rpm.

" " = 23'10" now

#5313369.

Byron Jackson Pump. #BY 10297. 6 stages 10" bowls.
10" x 66' column.

Static H. = 21'3"

" " = 23'1" now.

Well #7.

100 hp. G.E. Induction Motor

440V, 120 amps., 1160 rpm, #4809922.

Layne Pump #4096. 14 stages 14" bowls. 10" x 70' column.

Well house is 14'x14'x14'h. concrete floor.

use 75,810,000 gal. in 1316 hrs.

to figure rate.

allow 428" for all four.??

actually slightly less than 200 inches.

4 cfs is max. for one month.

20611

Form 17-A

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
BOISE, IDAHO

Permit No. 20611

Proof of Application of Water to Beneficial Use
Deposition of Witness

The deposition of two witnesses, on this form, taken separately, required in each case.

Ques. 1. State your name, age, residence, occupation and postoffice address.

Ans. Glenn Hadley, Age 44, 408 N 10, Pocatello, Idaho
Chief of Detectives, City Police, Pocatello, Idaho

Ques. 2. Are you acquainted with City of Pocatello, the
holder of Permit No. 20611 ? How long have you known him and where does
he reside?

Ans. Yes

Ques. 3. Have you read or heard read said Permit No. 20611, and are you
familiar with its provisions and conditions?

Ans. Yes

Ques. 4. State source of water supply, place of diversion, and describe works for con-
veying water from point of diversion to place of use.

Ans. Waters of subterranean origins, Wells and pumps into the
City of Pocatello water distribution system

(See disposition of holder.)

Ques. 5. How many second feet of water do you estimate said works will safely con-
duct to place of use, and how much water have you seen being so conveyed?

Ans. Varies with demand exceeds 27 cfs

Ques. 6. (Pumps) How much water in cubic feet per second, miner's inches, or gallons
per minute have you seen the pump deliver, and how did you measure or estimate the
amount?

Ans. 27 cfs (metered)

20611

Ques. 7. State for what purpose water is used and at what place. (If for irrigation, give each subdivision in which water has been used and number of acres irrigated in each subdivision.) State whether cultivated or natural meadow land and the nature of all improvements which have been made as a direct result of said use.

Ans. City of Pocatello Domestic Water Supply

Ques. 8. If for power or other purposes than irrigation, state how water has been applied and to what extent.

Ans. City of Pocatello Domestic Water Supply

Ques. 9. (If for irrigation) state character of land that has been reclaimed, and give your estimate of the amount of water required for its profitable cultivation.

Ans. Not app

Ques. 10. Have you any interest in the works, water or lands above mentioned? If so, in what way and to what extent?

Ans. As a resident of Pocatello and user of water only

Ques. 11. State when, how, in what amount and to what extent you have witnessed the application to beneficial use of water diverted under said permit.

Ans. Have seen pumps in operation etc.

(Signed)

Glenn Hadley

I hereby certify that the foregoing testimony was read to the above subscriber before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn to before me in POCATELLO, County of BANNOCK, State of Idaho, on this 17th day of September, A. D. 1958.

[Signature]
Notary Public

My commission expires JULY 21, 1960

20611

Permit 20611

Wells		Location	Output	Trans	Wks	Depth	Static		Metered?	
City of	Poca	#					Lvl	Casing		
"	"	"	# 1	Center of	2.22 cfs	{ City of	74'	35'	16"	Yes
"	"	"	# 2	NE 1/4 of Sec 1,	3.12	{ Pocatello	82	34-35	16	Yes
"	"	"	# 3	T7S, R34EBM	3.12	{ Dist Sys	106	35	18-16	Yes
"	"	"	# 4	NW 1/4 SE 1/4 of	2.22	{ Line to	120	30-34	16	Yes
"	"	"	# 5	35-6-34	2.22	{ City of	85 1/2	25-30	16	Yes
"	"	"	# 6		2.22	{ Pocatello	87 3/8	25 1/2	20	Yes
"	"	"	# 7		2.22	{ Reservoir	105	22-27	20	Yes
"	"	"	# 8	NW 1/4 SW 1/4 15-6-34	3.33	City Dist Sys	320	35-38	20-16	Yes
"	"	"	# 9	Poca orig twnte	1.00	" " "	100	11-14	20	Yes
"	"	"	# 10	Block # 557						
"	"	"	# 10	Lot 1, Blk 219,						
				orig Poca Tste	5.33	" " "	350	38-44	20	Yes

November 6, 1958

Re: Permit No. 20611
City of Pocatello, Idaho

Mr. W. B. Webb, City Manager
City of Pocatello
P. O. Box 1489
Pocatello, Idaho

Dear Mr. Webb:

Our field engineer's report on his inspection of the beneficial use of the water under the terms of Permit No. 20611 shows that wells number 2, 3, 4, 5, 6, 7, 8, 9, and 10 are capable of conveying 1050 miners inches (21 c.f.s.) of water for domestic use for City of Pocatello, as follows:

Wells	Point of Diversion	Cubic Feet Per Second
2	Ross Park--Center of NE $\frac{1}{4}$ Sec. 1, T7S-R34E.BM	3.1
3		1.4
4,5,6,7	Rainey Park NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec.35,T6S-R34E.BM	8.
8	No.Pocatello Park NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec.15,T6S-R34E.BM	2.66
9	Raymond Park--Blk 557 Original Pocatello Townsite	.8
10	Tydeman Field, Lot 1,Blk 219 Original Pocatello Townsite	5.04

Upon receipt of the statutory fee of \$5.00, we will issue the License and Certificate of Water Right confirming the right with priority of June 15, 1948 to the use of 21 second feet of subterranean water for domestic supply for City of Pocatello and adjacent area, with points of diversion as described above.

Very truly yours,

GEO. N. CARTER
State Reclamation Engineer
By

20611

EPR:nls

Chief Clerk

Running Jumps.

#2 40' to 40'8" 100 yds 2.44 yds

#3 32' ————— 4.44 yds

#4 41'6" ————— 2.44 yds

#5 27' ————— 2.22 yds

#6 25'8" ————— 2.22 yds
170

#7 31'-33' — 2.44 yds

#8 38'-39' — 2.66 yds

#9 22'-34' — 1.11 yds

#10 44' — 5.34 yds

#11 65 1/2' — 1.11 yds.
31.42

#12 44' — 6.20 yds
32.62

13 - 20' 2.22%

15 - 65' 1.11%

SUMMARY OF DATA PERTAINING TO CITY OF POCATELLO WELL NO. 5

INTRODUCTION

Well No. 5 is owned and operated by the City of Pocatello Water Department. The Water is used for municipal purposes in the City distribution system.

WELL DATA

Location of Well: NW $\frac{1}{4}$, SE $\frac{1}{4}$ Sec. 35 (Idaho Street Well Yard)
Well Drilled: August to October, 1933.
Well Drilled By: Stephenson Bros.

The Well was drilled to a depth of 100', struck water August 16 at 25' 7" below surface.

Water stands 2 $\frac{1}{2}$ '-2" below surface when Well No. 4 is not being pumped. When No. 4 Well is being pumped water in Well No. 5 drops 5" rapidly then slowly to a total of 1'-2" below its static level.

Casing Installed

Originally	94' 8"	16" O. D.	70#
At Present	100'	16" O. D.	

Perforation

72' casing perforated with cutting torch
10 slots $\frac{1}{4}$ " x 3' every 6"

Strata Encountered

<u>From</u>	<u>To</u>	<u>Thickness</u>	<u>Description</u>
0'	20'	20'	Clay with occasional streaks of sand and boulders
20'	25'	5'	Coarse sand and gravel.
25'	36'	11'	Loose boulders and gravel-large quantities of water
36'	59'	23'	Clay and boulders - very hard drilling
59'	67'	8'	Clay and gravel
67'	72'	5'	Streaks pea gravel.
72'	76'	4'	Soft clay
76'	86'	10'	Harder clay and boulders
86'	100'	14'	Softer clay, gravel and boulders, considerable water

20411

TRANSFER NO. 5452 POINTS OF DIVERSION

T06S R33E S10 NESE Within POWER County	Well No. 35 (Phillips 3)
T06S R33E S12 NESE Within POWER County	No well at this location
T06S R33E S15 SWNE Within POWER County	Well No. 39
T06S R34E S15 NWSW Within BANNOCK County	No well at this location
T06S R34E S26 NENW Within BANNOCK County	Well No. 10
T06S R34E S27 NWSE Within BANNOCK County	No well at this location
T06S R34E S35 SENE Within BANNOCK County	Well No. 12
T06S R34E S35 SENE Within BANNOCK County	Only Well No. 12 at this location
T06S R34E S35 NWSE Within BANNOCK County	Well No. 7 (Well No. 7 is not in use)
T06S R34E S35 NWSE Within BANNOCK County	Only Well No. 7 at this location
T06S R34E S35 NWSE Within BANNOCK County	Only Well No. 7 at this location
T07S R34E S1 SESE Within BANNOCK County	Well No. 13 or 17 (Riverside G.C.)
T07S R35E S16 SWSW Within BANNOCK County	Well No. 44

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

TRANSFER OF WATER RIGHT

TRANSFER NO. 5452
WATER RIGHT NO(S) . 29-02274/29-02338/29-07375

This is to certify that: CITY OF POCATELLO
PO BOX 4169
POCATELLO ID 83205

has requested a change to the above captioned water right(s). This change in water right(s) is authorized pursuant to the provisions of Section 42-222, Idaho Code, provided the conditions listed below are met.

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>
Right No. 29-02274 :		
MUNICIPAL	01/01 to 12/31	21.00 CFS
Priority: 06/15/1948		
Right No. 29-02338 :		
MUNICIPAL	01/01 to 12/31	14.76 CFS
Priority: 09/01/1953		
Right No. 29-07375 :		
MUNICIPAL	01/01 to 12/31	3.34 CFS
Priority: 02/24/1977		
TOTAL:		* 39.10 CFS

SOURCE
GROUNDWATER

LOCATION OF POINT(S) OF DIVERSION:

-NESE , Sec. 10, Township 06S, Range 33E
BANNOCK County
-NESE , Sec. 12, Township 06S, Range 33E
POWER County
-SWNE , Sec. 15, Township 06S, Range 33E
-NWSW , Sec. 15, Township 06S, Range 34E
-NENW , Sec. 26, Township 06S, Range 34E
-NWSE , Sec. 27, Township 06S, Range 34E
SENE , Sec. 35, Township 06S, Range 34E
-SENE , Sec. 35, Township 06S, Range 34E
-NWSE , Sec. 35, Township 06S, Range 34E
-SESE , Sec. 1, Township 07S, Range 34E
-SWSW , Sec. 16, Township 07S, Range 35E
BANNOCK County

SCANNED
APR 30 2001

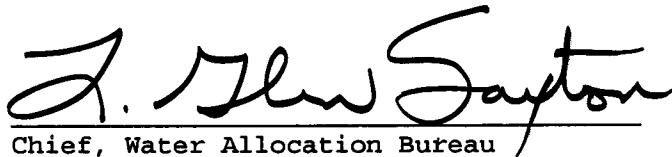
MICROFILMED
AUG 09 1999

TRANSFER NO. 5452
WATER RIGHT NO(S) . 29-02274/29-02338/29-07375

CONDITIONS OF APPROVAL AND REMARKS

1. Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
2. Use of water under this approval shall comply with applicable water quality standards of the Division of Environmental Quality of the Idaho Department of Health and Welfare.
3. The right holder shall accomplish the change authorized by this transfer within one (1) year of the date of this approval.
4. Failure of the right holder to comply with the conditions of this transfer is cause for the Director to rescind approval of the transfer.
5. Approval of this transfer does not preclude the opportunity for review of the validity of the water right(s) in the ongoing Snake River Basin Adjudication.
6. The right holder shall measure and annually report diversions of water and/or other pertinent hydrologic and system information as required by Section 42-701, Idaho Code.
7. Prior to diversion of water under this approval, the right holder shall provide a means of measurement acceptable to the Department from all authorized points of diversion which will allow determination of the total rate of diversion.
- * 8. The total instantaneous diversion of water from all points of diversion under Transfer 5452 shall not exceed 39.10 cfs.
9. The well(s) previously used under these rights shall be abandoned in a manner which complies with Department well abandonment rules.
10. Place of use is located within the City of Pocatello and the surrounding service area.
11. Two (2) points of diversion are located within SENE, and three (3) points of diversion are located within NWSE, of S35, T06S, R34E.

Dated this 28th day of June, 19 99


Chief, Water Allocation Bureau

MICROFILMED

AUG 09 1999

Saxton, Craig

From: Crabtree, Jennifer
Sent: Thursday, February 28, 2002 2:05 PM
To: Saxton, Craig
Subject: RE: TR 5452

Hi. I just needed to know you had completed data entry on 5452 so I can update my log. Thanks.

We have both files 29-2274 and 29-2338 and Ernie prefers we keep them here. So I will file the recommendation in the claims when you say the word. If you have any paper work that needs to go in it, just send it over.

Work is getting crazy again. And it's only March. See ya! Jen

-----Original Message-----

From: Saxton, Craig
Sent: Thursday, February 28, 2002 1:01 PM
To: Crabtree, Jennifer
Cc: Carlsen, Ernie
Subject: TR 5452

Hey Jen,

How's it going? Got some info/questions for you.

Issue 1:

I went ahead and updated claims 29-02274, 29-02338, and 29-07375 to match approved TR 5452. Do you want me to send you anything.

Issue 2:

I have the file for 29-07375. No problem updating that with the necessary paperwork.

Right 29-02274 was claimed as A, B, and C portions. I do not have original file since it was set as "see Remarks"

Right 29-02238 was claimed as rights 29-11339, 29-11342 (name of Astaris), 29-11343 and 29-11344.

I plan to make my own folder for 29-02274 and 29-02238 (and not have Lori log them). However, we need to figure out something so there aren't two different folders. So this is what I think. Could you check if there is a folder already made for these two claims. If so, it would probably be best if you could Bar Code them to me and ship them over here.

The second option is since TR 5452 was approved in 1999, they will be recommended as transferred (not a lot of paperwork). If Ernie would rather keep the folders over there, I will make my recommendation and just let you know when it's done so you can update the folders with the recommendation.

Waddya think?

Copy of the Transfer will be faxed to you following this message. Please ignore my scribbles.

Craig

01/06/2003

IDAHO DEPARTMENT OF WATER RESOURCES
PRELIMINARY RECOMMENDATION OF WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHT NUMBER: 29-2274

NAME AND ADDRESS: CITY OF POCATELLO
PO BOX 4169
POCATELLO ID 83205

SOURCE: GROUND WATER

TRIBUTARY:

QUANTITY: 21.000 CFS

The total instantaneous diversion of water from all points of diversion shall not exceed 39.10 cfs.

PRIORITY DATE: 06/15/1948

POINT OF DIVERSION:

T06S R33E S10 NESE Within BANNOCK County
T06S R33E S12 NESE Within POWER County
T06S R34E S15 SWNE Within BANNOCK County
T06S R34E S15 NWSW Within BANNOCK County
T06S R34E S26 NENW Within BANNOCK County
T06S R34E S27 NWSE Within BANNOCK County
T06S R34E S35 SENE Within BANNOCK County
T06S R34E S35 SENE Within BANNOCK County
T06S R34E S35 NWSE Within BANNOCK County
T06S R34E S35 NWSE Within BANNOCK County
T06S R34E S35 NWSE Within BANNOCK County
T07S R34E S1 SESE Within BANNOCK County
T07S R35E S16 SWSW Within BANNOCK County

PURPOSE AND
PERIOD OF USE:

PURPOSE OF USE
MUNICIPAL

PERIOD OF USE
01/01 12/31

QUANTITY
21.000 CFS

PLACE OF USE:

Place of use is within the service area of the City of Pocatello municipal water supply system as provided for under Idaho Law.

OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

This partial decree is subject to such general provisions necessary for the definition of the rights or for the efficient administration of the water rights as may be ultimately determined by the Court at a point in time no later than the entry of a final unified decree. Section 42-1412(6), Idaho Code.

EXPLANATORY MATERIAL: License

IDAHO DEPARTMENT OF WATER RESOURCES
PRELIMINARY RECOMMENDATION OF WATER RIGHTS ACQUIRED UNDER STATE LAW

The right holder shall measure and annually report diversions of water and/or other pertinent hydrologic and system information as required by Section 42-701, Idaho Code.

Use of water under this approval shall comply with applicable water quality standards of the Division of Environmental Quality of the Idaho Department of Health and Welfare.

Prior to diversion of water under this approval, the right holder shall provide a means of measurement acceptable to the Department from all authorized points of diversion which will allow determination of the total rate of diversion.