

MEMO

TO: File 45-7735

FROM: CPadilla

DATE: April 11, 2011

RE: Licensing Review Memo

Time Line:

Application for Permit Received: 9/9/96

Permit Approved: 11/26/96

Proof of Beneficial Use Received: 10/15/99

Field Exam Conducted: 6/11/01

POU Overlap Analysis: There are a total of 22 decreed water rights for municipal purposes for the city of Burley. I have attached a spreadsheet of the rights for reference purposes.

PD Summary:

Tag #	Location	Rights that Use PD	Uses
D0002353 and E0007827	SWNW Sec 33 10S 23E	45-7735	Municipal

There are no other water rights that are diverted from this well, on paper anyway. The PD for this right is also known as Well #6 and is diverted into a 2 million gallon storage tank along with Well #5. The wells are not diverted into the storage tank at the same time instead the wells kick on one at a time to keep the storage tank full.

This condition is included in the decreed rights that may help in understanding the city's system:

The rights listed below are associated with an irrigation delivery system north of the railroad tracks, an irrigation delivery system south of the railroad tracks and a culinary system. The three systems normally operated independently are physically connected. Combined rights 36-4080, 45-4089, 45-4090, 45-4091, 45-4092, 45-4093, 45-4094, 45-4095, 45-4096, 45-4097, 45-4098, 45-4099, 45-7269, 45-7436, 45-11133, 45-13895, 45-14083, and 45-14290.

The rights identified in the condition above have been decreed with the same 15 PDs. The PDs have been historically associated with each individual right (see attached table) listed in the condition. It seems that the goal of the city is to connect all water rights and wells that are associated with municipal uses; however, Well #6 is not included in the PDs for the decreed rights. I recommend that we license 45-7735 separately from the other municipal rights since Well #6 isn't recognized on

other rights. Since Well #6 has been kept separate in the SRBA, I can't see how I can now merge all the other PDs onto this right.

Volume and Diversion Rate: This type of municipal right does not receive a volumetric limit. The diversion rate will be licensed as recommended by the field examiner.

Amendment Needed?: No. The PD has been developed as permitted and the place of use will reflect the most recent submittal of the city's service boundary.

Large PDV: A large PDV has been created by adjudication staff, this is the PDV that I will use for this right.

Measuring device: There is a MD installed on well #6. WMS data shows that measuring and reporting has been taking place since 1999.

WELL DRILLER'S REPORT

Use Typewriter or Ballpoint Pen

1. DRILLING PERMIT NO. 45-97-S-1065-000

Other IDWR No. Tag # D 000 2353

2. OWNER:

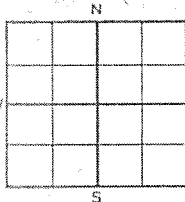
Name City of Buckley

Address P.O. Box 1090

City Buckley State ID Zip 83318

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.



Twp. 10 North ☐ or South ☒
Rge. 23 East ☒ or West ☐
Sec. 33 SW 1/4 NW 1/4 1/4
Gov't Lot _____ County Cassia
Lat: _____ Long: _____

Address of Well Site Hillman Ave
3/4 mile S. of 100 S. Road City Buckley ID
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:

- ☐ Domestic ☒ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD

☒ Air Rotary ☒ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK		AMOUNT		METHOD
Material	From	To	Sacks or Pounds	
<u>Bedrock Grout</u>	<u>0</u>	<u>140'</u>	<u>144 bags</u>	<u>Quick Cure</u>
<u>Grout</u>	<u>135'</u>	<u>140'</u>	<u>11 bags</u>	<u>dr. fluid + cement</u>
<u>Cement</u>	<u>455'</u>	<u>478'</u>	<u>18 bags</u>	<u>dr. fluid + cement</u>

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 453'

Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>24"</u>	<u>+4'</u>	<u>140'</u>	<u>.375</u>	<u>Steel</u>	☒	☐	☒	☐
<u>20"</u>	<u>+4'</u>	<u>453'</u>	<u>.375</u>	<u>Steel</u>	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

288.4 ft. below ground Artesian pressure _____ lb.

Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TEST

☐ Pump

Yield gal./min.

Water Temp. _____

Water Quality test _____

12. LITHOLOG

Bore Dia	From	To	
<u>28"</u>	<u>0</u>	<u>3'</u>	
<u>28"</u>	<u>3'</u>	<u>4'</u>	
<u>28"</u>	<u>4'</u>	<u>7'</u>	<u>Brown Clay</u>
<u>28"</u>	<u>7'</u>	<u>18'</u>	<u>Sand & Gravel</u>
<u>28"</u>	<u>18'</u>	<u>56'</u>	<u>Brown Clay</u>
<u>28"</u>	<u>56'</u>	<u>98'</u>	<u>Sand, Gravel, some clay</u>
<u>28"</u>	<u>98'</u>	<u>110'</u>	<u>Sand & Gravel</u>
<u>28"</u>	<u>110'</u>	<u>139'</u>	<u>Brown Clay</u>
<u>28"</u>	<u>139'</u>	<u>155'</u>	<u>Black Lava</u>
<u>28"</u>	<u>155'</u>	<u>215'</u>	<u>Gray Lava</u>
<u>28"</u>	<u>215'</u>	<u>232'</u>	<u>Red Lava</u>
<u>28"</u>	<u>232'</u>	<u>275'</u>	<u>Gray Lava</u>
<u>28"</u>	<u>275'</u>	<u>285'</u>	<u>Black Lava, Red Clay, & Sand</u>
<u>28"</u>	<u>285'</u>	<u>306'</u>	<u>Clay & Sand</u>
<u>28"</u>	<u>306'</u>	<u>320'</u>	<u>Sand</u>
<u>28"</u>	<u>320'</u>	<u>333'</u>	<u>Sand & Brown Clay</u>
<u>28"</u>	<u>333'</u>	<u>455'</u>	<u>Brown Gravelly Clay</u>
<u>28"</u>	<u>455'</u>	<u>478'</u>	<u>Gray Lava</u>
<u>28"</u>	<u>478'</u>	<u>478'</u>	<u>Black Lava, Sand, Clay</u>
<u>28"</u>	<u>478'</u>	<u>490'</u>	<u>Black Lava</u>
<u>28"</u>	<u>490'</u>	<u>513'</u>	<u>Black Lava</u>
<u>28"</u>	<u>513'</u>	<u>554'</u>	<u>Red & Black Lava, some clay</u>
<u>28"</u>	<u>554'</u>	<u>570'</u>	<u>Red & Black Lava</u>
<u>28"</u>	<u>570'</u>	<u>578'</u>	<u>Clay, Puck, Black Lava</u>
<u>28"</u>	<u>578'</u>	<u>642'</u>	<u>Reddish Black Lava, Broken</u>
<u>28"</u>	<u>642'</u>	<u>650'</u>	<u>Algar, Clay chunks</u>
<u>28"</u>	<u>642'</u>	<u>650'</u>	<u>Gray Lava to Black Lava</u>
<u>28"</u>	<u>642'</u>	<u>650'</u>	<u>Broken</u>

Completed Depth 650 FT. (Measurable)

Date: Started 2/9/98 Completed 4/21/98

13. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

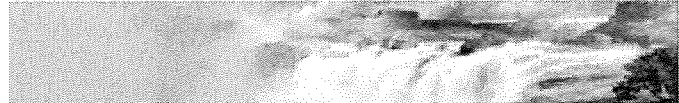
Firm Name Valencia Well Drilling Firm No. 383

Firm Official Renee Th. Valencia Date 5/28/98

and Supervisor or Operator Renee Th. Valencia Date 5/28/98

(Sign once if Firm Official & Operator)

Idaho Department of Water Resources



Quick Search:

[For assistance, email WMIS Info](#)

Search Method:

WMIS Number

WMIS Number

401923

You are logged in as CPADILLA

[Point Of Diversion](#) [PCC](#) [Flow Meter](#) [Time Clock](#) [Alternate](#) [Contacts](#) [Data Summary](#) [Other](#) [Logout](#)

Data Summary

You are viewing 401923; E0007827

Report Year	Alternate	FM	PCC	Time Clock
2009		539.04		
2008		994.97		
2007		944.04		
2006		1044.06		
2005		877.01		
2004		915.63		
2003		992.04		
2002		856.48		
2001		828.38		
2000		973.51		
1999		278.18		

Water Right for City of Burley 4/11/11 Spreadsheet

Basin Sequence	Process	Basis	Status	Priority Date	Diversion Rate	Source List	Water Use List	Current Owner	Volume
36	4080 Water Right	Decreed	Active	8/7/1961	0.91	GROUND WATER	MUNICIPAL	CITY OF BURLEY	
45	4089 Water Right	Decreed	Active	5/31/1947	1.23	GROUND WATER	MUNICIPAL	CITY OF BURLEY	
45	4090 Water Right	Decreed	Active	4/1/1943	2.01	GROUND WATER	MUNICIPAL	CITY OF BURLEY	
45	4091 Water Right	Decreed	Active	4/1/1955	1.72	GROUND WATER	MUNICIPAL	CITY OF BURLEY	
45	4092 Water Right	Decreed	Active	4/1/1928	1.34	GROUND WATER	MUNICIPAL	CITY OF BURLEY	
45	4093 Water Right	Decreed	Active	12/31/1934	2.00	GROUND WATER	MUNICIPAL	CITY OF BURLEY	
45	4094 Water Right	Decreed	Active	12/31/1949	1.66	GROUND WATER	MUNICIPAL	CITY OF BURLEY	
45	4095 Water Right	Decreed	Active	4/1/1917	1.11	GROUND WATER	MUNICIPAL	CITY OF BURLEY	
45	4096 Water Right	Decreed	Active	12/31/1917	1.34	GROUND WATER	MUNICIPAL	CITY OF BURLEY	
45	4097 Water Right	Decreed	Active	4/14/1905	0.89	GROUND WATER	MUNICIPAL	CITY OF BURLEY	
45	4098 Water Right	Decreed	Active	9/30/1960	2.67	GROUND WATER	MUNICIPAL	CITY OF BURLEY	
45	4099 Water Right	Decreed	Active	12/31/1941	2.67	GROUND WATER	MUNICIPAL	CITY OF BURLEY	
45	7269 Water Right	Decreed	Active	5/25/1976	3.56	GROUND WATER	MUNICIPAL	CITY OF BURLEY	
45	7436 Water Right	Decreed	Active	2/15/1980	0.69	GROUND WATER	MUNICIPAL	CITY OF BURLEY	
45	11133 Water Right	Decreed	Active	12/31/1954	0.89	GROUND WATER	MUNICIPAL	CITY OF BURLEY	
45	13895 Water Right	Decreed	Active	10/30/1926	0.89	GROUND WATER	MUNICIPAL	CITY OF BURLEY	
45	14083 Water Right	Decreed	Active	3/31/1939	1.34	GROUND WATER	MUNICIPAL	CITY OF BURLEY	
45	14290 Water Right	Decreed	Active	4/1/1944	0.44	GROUND WATER	MUNICIPAL	CITY OF BURLEY	
TOTAL					27.36				NA
45	4085 Water Right	Decreed	Active	12/31/1959	0.89	GROUND WATER	MUNICIPAL	CITY OF BURLEY	280.0
45	4087 Water Right	Decreed	Active	6/1/1940	0.12	GROUND WATER	MUNICIPAL	CITY OF BURLEY	24.0
45	7092 Water Right	Decreed	Active	3/10/1972	0.44	GROUND WATER	MUNICIPAL	CITY OF BURLEY	88.0
45	7114 Water Right	Decreed	Active	12/7/1972	0.18	GROUND WATER	MUNICIPAL	CITY OF BURLEY	36.0
TOTAL					1.63				428.0

These rights are not part of the same system, they are for the irrigation of the golf course and cemetery. All other rights share the same common system.

Note: Even though the municipal rights used for irrigation were decreed with a leverage pov. All rights above have been linked into the same leverage pov, the city boundary for Burley.

Location of Point(s) of Diversion

GROUND WATER	SW1/4SE1/4	Sec. 20, Twp 10S,	Rge 23E, B.M. (45-4096) #1 Old Culinary Well #1
GROUND WATER	SW1/4SE1/4	Sec. 20, Twp 10S,	Rge 23E, B.M. (45-4099) #2 Culinary Well
GROUND WATER	SE1/4NE1/4	Sec. 30, Twp 10S,	Rge 23E, B.M. (45-4098) #3 Service Center
GROUND WATER	NE1/4NW1/4	Sec. 17, Twp 10S,	Rge 23E, B.M. (36-4080) #4
GROUND WATER	SE1/4NE1/4	Sec. 32, Twp 10S,	Rge 23E, B.M. (45-7269) #5
GROUND WATER	SW1/4SE1/4	Sec. 20, Twp 10S,	Rge 23E, B.M. (45-4097)/(45-13895) #8 Pump House #1
GROUND WATER	SW1/4SE1/4	Sec. 20, Twp 10S,	Rge 23E, B.M. (45-4095)/(45-14083) #9 Hogan
GROUND WATER	SE1/4NE1/4	Sec. 29, Twp 10S,	Rge 23E, B.M. (45-7436) #10 Almo
GROUND WATER	SW1/4NW1/4	Sec. 29, Twp 10S,	Rge 23E, B.M. (45-4094) #11 Carlson
GROUND WATER	NE1/4NW1/4	Sec. 29, Twp 10S,	Rge 23E, B.M. (45-4093) #12 Keller
GROUND WATER	NW1/4SW1/4	Sec. 20, Twp 10S,	Rge 23E, B.M. (45-4092) #13 Drake
GROUND WATER	SW1/4NW1/4	Sec. 20, Twp 10S,	Rge 23E, B.M. (45-4091) #14 Larson
GROUND WATER	SE1/4NW1/4	Sec. 20, Twp 10S,	Rge 23E, B.M. (45-4090)/(45-14290) #15 North Park
GROUND WATER	SW1/4NE1/4	Sec. 20, Twp 10S,	Rge 23E, B.M. (45-4089) #17 Snow Well
GROUND WATER	SE1/4NE1/4	Sec. 30, Twp 10S,	Rge 23E, B.M. (45-11133) #19 Salmon

Qty of Burley Wells

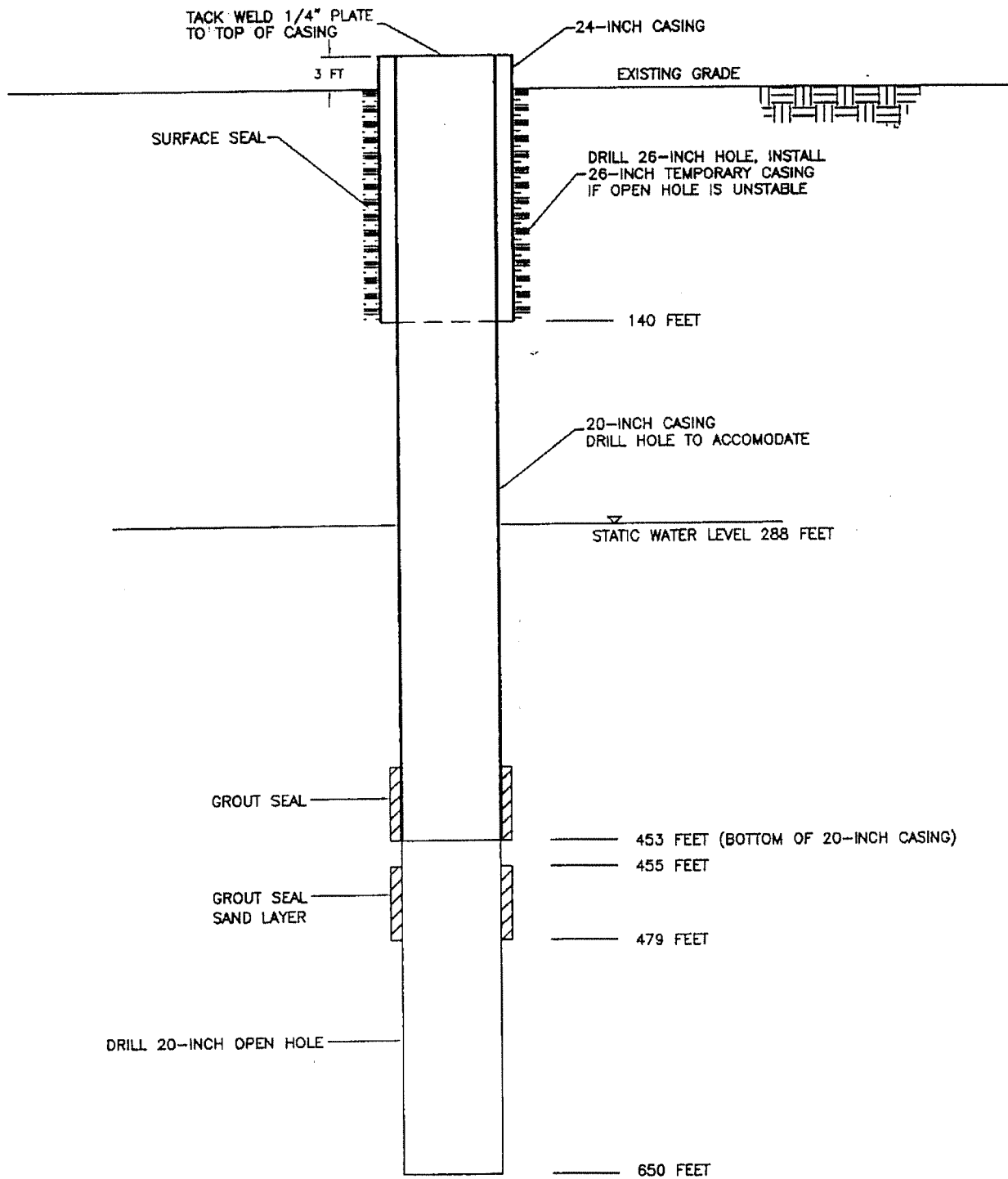
Attachment to (Amended) Notice of Claim

4. Additional Points of Diversion

City of Burley 2007 Newly Assigned Point of Diversion Number	Metal Tag Number	IDWR Site Well Number (if Any)	Previously Known as Well Number (if Any)	Reference Name	Address	Point of Diversion Location			Section Breakdown
						Township	Range	Section	
1	E0007518	IRR-12	Pumphouse #12 - 100 HP (Old Culinary Well #1)	16th and Ablon/Normal (Water Dept)	10S	23E	20	Cassia	SW SW SE
2	E0007520	2	Culinary Well #2	14th and Ablon	10S	23E	20	Cassia	NW SW SE
3	E0007519	3	Culinary Well #3	19th and Park (Service Center)	10S	23E	30	Cassia	NE SE NE
4	E0007521	5	Culinary Well #5	Around 33rd, West of Hilland	10S	23E	32	Cassia	NE NW
5	E0007527	6	Culinary Well #6	Around 11th and Hilland	10S	23E	33	Cassia	SW SE NE
7	A0002618	IRR-1	Culinary Well #7	Around 11th and Hilland	10S	23E	21	Cassia	NW NW SW
8	A0002617	IRR-2	Pumphouse #1 (15 HP)	16th and Ablon/Normal (Water Dept)	10S	23E	20	Cassia	SW SW SE
9	A0002613	IRR-3	Hogan (Old Culinary Well #2)	16th and Hansen/Normal	10S	23E	20	Cassia	SE SW SE
10	A0002614	IRR-4	Almo	19th and Almo	10S	23E	29	Cassia	NE SW NE
11	A0002616	IRR-5	Carlson	19th and Occidental	10S	23E	29	Cassia	SW NW NW
12	A0007810	IRR-6	Keller	16th/17th and Burton/Conant	10S	23E	29	Cassia	NW NE NW
13	A0007809	IRR-7	Drake	11th and Occidental/Park	10S	23E	20	Cassia	NW NW SW
14	A0007808	IRR-8	Larson	8th and Burton/Schodde	10S	23E	20	Cassia	SW NW
15	A0007808	IRR-9	North Park	9th/10th and Oakley/Miller	10S	23E	20	Cassia	SE SE NW
16	A0007806	IRR-10	Pleasant View Cemetery - West of Building	Integration #15 and Culinary #16	10S	23E	28	Cassia	SE NE NW
17	A0007807	IRR-9	Snow	9th and Normal	10S	23E	20	Cassia	SW NE
18	A0002619	IRR-10	Pargrunda	10th and Elba (NW corner of fairgrounds)	10S	23E	20	Cassia	SW SE NE
19	A0002615	IRR-11	Salmon Park	18th/19th and Park	10S	23E	30	Cassia	NW SE NE
20	A0007804	IRR-13	Golf Course (South of Road)	Golf Course (South of Road)	10S	23E	27	Cassia	NW NW NW
21	A0007803	IRR-14	Pleasant View Cemetery - East of Building	Pleasant View Cemetery - East of Building	10S	23E	28	Cassia	SW NW NE
27			Dutchmen Manufacturing	325 West and State Highway 30	10S	22E	22	Cassia	SE SE SE
28			Golf Course	Golf Course - At the end of the chainlink fence on hole #1	10S	23E	22	Cassia	SW SW
29			Airport	North side of the airport near the train bridge	10S	23E	21	Cassia	NE NE

Wells #6 & #7 are not listed on all municipal rights.

Wells #16, 18, 20, 21, 27, 28, 29 are not associated with the municipal system and are not listed on municipal rights.



DRAWING OF RECORD

PROPOSED WELL SCHEMATIC
 1997 MUNICIPAL WELL #6 PROJECT
 CITY OF BURLEY, IDAHO

AUG 15 2002

N.T.S.