

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Amended **BENEFICIAL USE FIELD REPORT**

A. GENERAL INFORMATION

Permit No: 27-7577

Exam Date: 8/15/2000

1. Current Owner: CITY OF BLACKFOOT
157 N BROADWAY
BLACKFOOT ID 83221
(208)785-8688
2. Accompanied by: Richard S. Mangum
Phone No: same as owner
Address: same as owner
Relationship to Permit Holder: Employee for City Works

3. **SOURCE****TRIBUTARY**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use:
2. Other water rights with the same point of diversion:

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SW1/4NW1/4SE1/4 Sec. 4, Twp 03S, Rge 35E, B.M.
BINGHAM County

Method of Determination: Use of aerial photography and photographs provided from the field exam

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
03S	35E	5													37.0	6.3	4.9	16.0	64.2
																L 2	L 3		
03S	35E	7													22.0	7.7	9.7	12.0	51.4
																L 9			
03S	35E	8	12.0	20.0	19.0		3.5		7.8	31.0	32.0	31.0	.9	2.3		3.4	.1		163.0
				L 1			L 2		L 4	L 2			L 5	L 6		L 7	L 15		

Total Acres: 278.6

Method of Determination:

3. _____ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
 _____ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
 _____ Aerial Photo Attached (required for irrigation of 10+ acres).
X _____ Photo of Diversion and System Attached

4.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
701898	GE	150	GLJ723177		

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
Polysonic		Full				

2. Measurements:

0.39" thickness 13.2" diameter carbon steel 4510 GPM observed for 10.04 cfs

Limited to 7.28 cfs by permit

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

$$4510 \text{ GPM} \div 448.83 = 10.04 \text{ cfs}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 278.6 \times 4.0 = 1114.4 \text{ afa}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 7.28 \times 214 \times 1.9835 = 3090 \text{ afa}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 1114.4 \text{ afa}$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

Well open discharge into a ditch leading to sections 5, 7, and 8. The city of Blackfoot provides water to this ditch in exchange for being allowed to eliminate the ditch from running through town.

The city workers helped dig up the mainline so the polysonic could be used to get a flow measurement. The file name is 27-7577. 4500 GPM was observed on the display, and POD was obtained using GPS unit, but this file was lost.

Richard Magnum has the aerial photography for the POU. He needed to meet with the ditch company to identify the entire POU. He will mail them to me when finished. This map was received at Eastern on August 31, 2000

Mainline has a concrete liner

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	04/01 to 10/31	7.280 CFS	1114.40 AF
<u>Totals:</u>		7.280 CFS	1114.40 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

☒ Change P.U. as reflected above ☒ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Steve Mueller Date 8-15-2000

Reviewer Nate Arave Date 6-21-2007

6-21-2007

Comment Report

27-7577

1. smueller 8/15/2000 Field Report Narrative

Comment: Well open discharge into a ditch leading to sections 5, 7, and 8. The city of Blackfoot provides water to this ditch in exchange for being allowed to eliminate the ditch from running through town.

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27-7577. 4500 GPM was observed on the display, and POD was obtained using GPS unit, but this file was lost.

Richard Magnum has the aerial photography for the POU. He needed to meet with the ditch company to identify the

entire POU. He will mail them to me when finished. This map was received at Eastern on August 31, 2000

Mainline has a concrete liner

2. cmoore 6/13/2007 POU

Comment: Updated Shape

3. cmoore 6/13/2007 POU

Comment: Updated PLS

4. narave 6/18/2007 POU

Comment: Updated Shape

5. narave 6/18/2007 POU

Comment: Updated PLS

6. narave 6/19/2007 POU

Comment: Updated Shape

7. narave 6/19/2007 POU

Comment: Updated PLS

8. narave 6/21/2007 POU

Comment: Updated Shape

9. narave 6/21/2007 POU

Comment: Updated PLS

10. narave 6/21/2007 Place of Use Overlap

10. narave 6/21/2007 Place of Use Overlap

Comment: The overlapping Water Rights Are:

27-7046

27-10890

27-11365

27-10818

27-10227

27-10305

27-10416

1-1J

1-298

1-47E

1-48

1-304

27-4F

27-7079

27-10551

27-11929

27-37F

27-3C

27-11939

27-12B

27-16A

27-37C

27-12136

27-4H

27-4154

27-11720

27-11707

27-10577

27-10755

27-10771

27-10866

27-10201

27-10304

27-10423

27-10508

27-10524

27-10306

27-10702

27-11042

27-10297

27-10344

27-11965

27-11997

27-11940

27-11940
27-10756
27-3G
27-10505
27-12A
27-10341
27-10296
27-4154
27-22D
27-35D

11. DELLIS 6/14/2000 Proof of Beneficial Use Rcvd
Comment: Proof of Beneficial Use Rcvd

Type	WR #	Owner	Source	TRS	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SESW	NESE	NWSE	SWSE	SESE	Total
Right	147E	CORBETT SLOUGH DITCH CO.	SNAKE RIVER	03S35E5																0
Right	148	CORBETT SLOUGH DITCH CO.	SNAKE RIVER	03S35E5																0
Right	1401A	JAY O WADSWORTH.	SNAKE RIVER	03S35E5					9		6	31	21	17	7	2				93
Right	2128	CHARLES P HORROCKS, VERL B HORROCKS.	GROUND WATER	03S35E5	3		3	33												39
Right	27 7046	LESLIE F WIXOM.	GROUND WATER	03S35E5															1	1
Right	35 8662	GROVELAND WATER & SEWER DIST.	GROUND WATER	03S35E5					X											0
Right	1 2A	TREGO DITCH CO.	SNAKE RIVER	03S35E5						18	40	10		5						73
Right	1 148	TREGO DITCH CO.	SNAKE RIVER	03S35E5						18	40	10		5						73
Right	1 266	TREGO DITCH CO.	SNAKE RIVER	03S35E5						18	40	10		5						73
Right	1 4061	TREGO DITCH CO.	SNAKE RIVER	03S35E5						18	40	10		5						73
Permit	27 7577	CITY OF BLACKFOOT.	GROUND WATER	03S35E5													34	28		62
Right	35 7867	JAY O WADSWORTH.	GROUND WATER	03S35E5					5		5	36	28	15	2	2				93
Right	35 11835	DWIGHT PETERSEN, SARA PETERSEN.	GROUND WATER	03S35E5									X							0
Right	35 11835	DWIGHT PETERSEN, SARA PETERSEN.	GROUND WATER	03S35E5									X							0
Right	35 10125	DARRELL A WILSON.	GROUND WATER	03S35E5					X											0
Right	35 10125	DARRELL A WILSON.	GROUND WATER	03S35E5					X											0
Right	27 10890	F LAVARR MOORE, NANCY ANN MOORE.	GROUND WATER	03S35E5																0
Right	27 10890	F LAVARR MOORE, NANCY ANN MOORE.	GROUND WATER	03S35E5																0
Right	27 11001	LUCILE CUTLER.	GROUND WATER	03S35E5				X												0
Right	27 11365	KAY L MICKELSEN, CHRISTIAN A MICKELSEN.	GROUND WATER	03S35E5																0
Right	27 11365	KAY L MICKELSEN, CHRISTIAN A MICKELSEN.	GROUND WATER	03S35E5																0
Right	27 10818	ROSE COFFMAN, DOUGLAS COFFMAN.	GROUND WATER	03S35E5												X				0
Right	27 10227	TAWNY L HUMPHERYS.	GROUND WATER	03S35E5												X				0
Right	35 13136	J STEPHEN & MYRNA CATHEY LIVING TRUST DTD 5/25/95.	GROUND WATER	03S35E5					X											0
Right	35 13136	J STEPHEN & MYRNA CATHEY LIVING TRUST DTD 5/25/95.	GROUND WATER	03S35E5					X											0
Right	35 13149	DARRELL A WILSON.	GROUND WATER	03S35E5							X									0
Right	35 13149	DARRELL A WILSON.	GROUND WATER	03S35E5						X										0
Right	35 13173	ANNETTE HUMPHERYS, JOE HUMPHERYS.	GROUND WATER	03S35E5					X											0
Right	35 13173	ANNETTE HUMPHERYS, JOE HUMPHERYS.	GROUND WATER	03S35E5					X											0
Right	1 10253	UNITED STATES OF AMERICA ACTING THROUGH.	SNAKE RIVER	03S35E5																0
Right	1 10277	UNITED STATES OF AMERICA ACTING THROUGH.	SNAKE RIVER	03S35E5																0
Rec	27 10305	ELIZA HINDERAGER, LARRY HINDERAGER.	GROUND WATER	03S35E5														X		0
Rec	27 10416	ELIZA HINDERAGER, LARRY HINDERAGER.	GROUND WATER	03S35E5														X		0
Rec	27 10416	LONDON A MICKELSEN, LOREEN A MICKELSEN.	GROUND WATER	03S35E5														X		0
Rec	27 10416	LONDON A MICKELSEN, LOREEN A MICKELSEN.	GROUND WATER	03S35E5														X		0
Rec	27 10416	LONDON A MICKELSEN, LOREEN A MICKELSEN.	GROUND WATER	03S35E5														X		0
Rec	1 2A	THE UNITED CANAL CO.	SNAKE RIVER	03S35E5					X	X	X	8.4	27	23	14	3.5	2.3			80.7
Rec	1 10242	JAY O WADSWORTH.	SNAKE RIVER	03S35E5					2.5											1
Rec	27 7046	LESLIE F WIXOM.	GROUND WATER	03S35E5																0
Rec	1 1J	BLACKFOOT IRRIGATION CO.	SNAKE RIVER	03S35E5	X	X	X	X								X	X	X	X	0
Rec	1 298	BLACKFOOT IRRIGATION CO.	SNAKE RIVER	03S35E5	X	X	X	X								X	X	X	X	0
Rec	1 47E	CORBETT SLOUGH DITCH CO.	SNAKE RIVER	03S35E5												X	X	X	X	0
Rec	1 48	CORBETT SLOUGH DITCH CO.	SNAKE RIVER	03S35E5												X	X	X	X	0
Rec	1 304	CORBETT SLOUGH DITCH CO.	SNAKE RIVER	03S35E5												X	X	X	X	0
Rec	1 148	THE UNITED CANAL CO.	SNAKE RIVER	03S35E5					X	X	X					X	X	X	X	0
Rec	1 266	THE UNITED CANAL CO.	SNAKE RIVER	03S35E5					X	X	X					X	X	X	X	0
Rec	1 4061	THE UNITED CANAL CO.	SNAKE RIVER	03S35E5					X	X	X					X	X	X	X	0
Rec	1 4014	JAY O WADSWORTH.	SNAKE RIVER	03S35E5																0
TClaim	1 47E	CORBETT SLOUGH DITCH CO.	SNAKE RIVER	03S35E5					2.5		8.4	27	23	14	3.5	2.3				80.7
TClaim	1 48	CORBETT SLOUGH DITCH CO.	SNAKE RIVER	03S35E5												X	X	X	X	0
TClaim	1 304	CORBETT SLOUGH DITCH CO.	SNAKE RIVER	03S35E5												X	X	X	X	0
Right	27 7577	CITY OF BLACKFOOT.	GROUND WATER	03S35E5												37	6.3	4.9	16	64.2

Type	WR #	Owner	Source	TRS	NENE	NWNE	SWNE	SENE	NENN	NWNN	SWNN	SENN	NESW	SWSW	SESW	NENE	NWSE	SWSE	SESE	Totals
Right	1 298	BLACKFOOT IRRIGATION CO.	SNAKE RIVER	03S3SE8																0
Right	27 4H	S GEORGE CARSON	BLACKFOOT RIVER	03S3SE8																0
Right	27 12	FRED S STEVENS	BLACKFOOT RIVER	03S3SE8									X		X					0
Right	27 2007	US DEPT OF INTERIOR	BLACKFOOT RIVER	03S3SE8																0
Right	27 2035	US DEPT OF INTERIOR	BLACKFOOT RIVER	03S3SE8																0
Right	27 4154	CITY OF BLACKFOOT	GROUND WATER	03S3SE8																0
Permit	27 7577	CITY OF BLACKFOOT	GROUND WATER	03S3SE8																0
Right	27 11720	JERRI BERGEMAN, DAVID BERGEMAN	GROUND WATER	03S3SE8	22	34	20				30	36	27	38		5		25		242
Right	35 11707	GEORGE H HERSHBERGER, MARY E HERSHBERGER	GROUND WATER	03S3SE8				X												0
Right	27 10577	MARILYN DEGIOLIO	GROUND WATER	03S3SE8				X												0
Right	27 10755	LINDEN M WRING	GROUND WATER	03S3SE8				X												0
Right	27 10755	LINDEN M WRING	GROUND WATER	03S3SE8				X												0
Right	27 10771	CHESTER GENE CUSHMAN	GROUND WATER	03S3SE8										X						0
Right	27 10771	CHESTER GENE CUSHMAN	GROUND WATER	03S3SE8																0
Right	27 10866	PAULA PETERSEN, ROGER PETERSEN	GROUND WATER	03S3SE8				X												0
Right	27 10201	JOHN B HEINTZELMAN	GROUND WATER	03S3SE8									X							0
Right	27 10201	JOHN B HEINTZELMAN	GROUND WATER	03S3SE8									X							0
Right	27 10304	LOYD F LAKER, SHIRLEY L LAKER	GROUND WATER	03S3SE8																0
Right	27 10304	LOYD F LAKER, SHIRLEY L LAKER	GROUND WATER	03S3SE8																0
Right	27 10423	BUD A SIMS	GROUND WATER	03S3SE8										X						0
Right	27 10508	MARY BERGEMAN, RODNEY E BERGEMAN	GROUND WATER	03S3SE8																0
Right	27 10508	MARY BERGEMAN, RODNEY E BERGEMAN	GROUND WATER	03S3SE8				X												0
Right	27 10524	ILENE BERGEMAN, E V BERGEMAN	GROUND WATER	03S3SE8																0
Right	27 10524	ILENE BERGEMAN, E V BERGEMAN	GROUND WATER	03S3SE8									X							0
Right	27 10306	LOYD F LAKER, SHIRLEY L LAKER	BLACKFOOT RIVER	03S3SE8													X			0
Right	27 10702	DONNA LOU CARSON, GEORGE DENIE CARSON	GROUND WATER	03S3SE8				X												0
Right	27 10702	DONNA LOU CARSON, GEORGE DENIE CARSON	GROUND WATER	03S3SE8									X							0
Right	27 11042	CAROLE J COFFMAN, HARVEY G COFFMAN	GROUND WATER	03S3SE8										X						0
Right	27 11042	CAROLE J COFFMAN, HARVEY G COFFMAN	GROUND WATER	03S3SE8																0
Right	1 10254	UNITED STATES OF AMERICA ACTING THROUGH,	SNAKE RIVER	03S3SE8																0
Right	1 10278	UNITED STATES OF AMERICA ACTING THROUGH,	SNAKE RIVER	03S3SE8																0
Right	27 10297	KATHY DANIELS, DAVID A. DANIELS	GROUND WATER	03S3SE8																0
Right	27 10297	KATHY DANIELS, DAVID A. DANIELS	GROUND WATER	03S3SE8																0
Rec	27 10344	DAVID R STARK, DENISE C STARK	BLACKFOOT RIVER	03S3SE8	4.3															4.3
Permit	27 11965	GENE CUSHMAN	GROUND WATER	03S3SE8										10						10
Rec	27 11967	HARVEY G COFFMAN, CAROLE J COFFMAN	BLACKFOOT RIVER	03S3SE8										0.8	33					33.8
Rec	27 11940	DAVID STANLEY	BLACKFOOT RIVER	03S3SE8							2			11						13
Rec	27 10756	ELIZA HINDERAGER, LARRY HINDERAGER	BLACKFOOT RIVER	03S3SE8	5.7															5.7
Rec	27 35	PAUL BINGHAM, LORI BINGHAM	BLACKFOOT RIVER	03S3SE8	1.3															1.3
Rec	27 10605	EDWARD BERGEMAN, ILENE BERGEMAN	BLACKFOOT RIVER	03S3SE8								3.8								3.8
Rec	27 12A	CAROLE J COFFMAN, HARVEY G COFFMAN	BLACKFOOT RIVER	03S3SE8										0.8	23					33.8
Rec	27 10341	BILL D HADDON	BLACKFOOT RIVER	03S3SE8																1.7
Rec	27 10296	KATHY DANIELS, DAVID A. DANIELS	BLACKFOOT RIVER	03S3SE8								3.1	27.7							30.8
Rec	1 1J	BLACKFOOT IRRIGATION CO.	SNAKE RIVER	03S3SE8	X	X	X	X	X	X	X	X	X	X	X		X	X	X	0
Rec	1 1J	BLACKFOOT IRRIGATION CO.	SNAKE RIVER	03S3SE8	X	X	X	X	X	X	X	X	X	X	X		X	X	X	0
Rec	27 4154	CITY OF BLACKFOOT	GROUND WATER	03S3SE8																0
Rec	27 22D	EASTERN IDAHO WATER CO.	BLACKFOOT RIVER, MINER CREEK, WOLVERINE CREEK	03S3SE8									X	X	X		X	X	X	0
Rec	1 47E	CORBETT SLOUGH DITCH CO.	SNAKE RIVER	03S3SE8	X	X	X	X	X	X	X	X	X	X	X		X	X	X	0
Rec	1 48	CORBETT SLOUGH DITCH CO.	SNAKE RIVER	03S3SE8	X	X	X	X	X	X	X	X	X	X	X		X	X	X	0
Rec	1 304	CORBETT SLOUGH DITCH CO.	SNAKE RIVER	03S3SE8	X	X	X	X	X	X	X	X	X	X	X		X	X	X	0
Rec	27 35D	EASTERN IDAHO WATER CO.	BLACKFOOT RIVER, MINER CREEK, WOLVERINE CREEK	03S3SE8	X	X	X	X	X	X	X	X	X	X	X		X	X	X	0
TClaim	1 47E	CORBETT SLOUGH DITCH CO.	SNAKE RIVER	03S3SE8	X	X	X	X	X	X	X	X	X	X	X		X	X	X	0
TClaim	1 48	CORBETT SLOUGH DITCH CO.	SNAKE RIVER	03S3SE8	X	X	X	X	X	X	X	X	X	X	X		X	X	X	0
TClaim	1 304	CORBETT SLOUGH DITCH CO.	SNAKE RIVER	03S3SE8	X	X	X	X	X	X	X	X	X	X	X		X	X	X	0
Rec	27 4H	JOHN B HEINTZELMAN, STACIE D HEINTZELMAN	BLACKFOOT RIVER	03S3SE8	X	X	X	X	X	X	X	X	X	X	X		X	X	X	0
Right	27 7577	CITY OF BLACKFOOT	GROUND WATER	03S3SE8	12	20	19		3.5		7.8	31	32	31	0.9	2.3	3.4	0.1		163