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Permit No: 1-7091

Department of Water Resources

Page 1

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 1-7091

Exam Date: 6/16/2003

1. Current Owner: FOSTER AGRO INC
PO BOX 308
RIGBY ID 83442
(208)538-5170

2. Accompanied by: Boyd Foster / Brad Foster
Phone No:
Address:
Relationship to Permit Holder:

3. SOURCE

SOUTH FORK SNAKE RIVER

TRIBUTARY

SNAKE RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 01-10214
2. Other water rights with the same point of diversion: 01-7090

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

SOUTH FORK SNAKE RIVER

SW1/4NE1/4

Sec. 8, Twp 03N, Rge 41E, B.M.

BONNEVILLE County

Method of Determination: FE/GIS

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	
03N	41E	17							33.0	17.0	35.0	39.0	6.0	6.0					136.0
03N	41E	18	21.0	40.0	40.0	40.0	40.0			40.0					39.0	39.0			299.0

Total Acres: 435

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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).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion</u> <u>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</u> <u>Size</u>
SEE	SHEETS				

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

D. FLOW MEASUREMENTS

1.

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

2. Measurements:

6/16/2003
 SONIC METER → 3238 gpm ≈ 7.21 CFS

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

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F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 435 \times 4 = 1740$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 7.21 \text{ cfs} \times 110 \text{ days} \times 1.9835 = 1573$$

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

2. Volume Calculations for Other Uses:

Max Q for 01-7090 & 01-7091 = 7.21 CFS

G. NARRATIVE/REMARKS/COMMENTS

diversion box in the south fork snake river with three pumps to mainline to two booster pumps to pivots and handlines. sonic meter at 3238 gpm

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	05/15 to 09/01	7.210 CFS	1,573.00 AF
<u>Totals:</u>		7.210 CFS	1,573.00 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

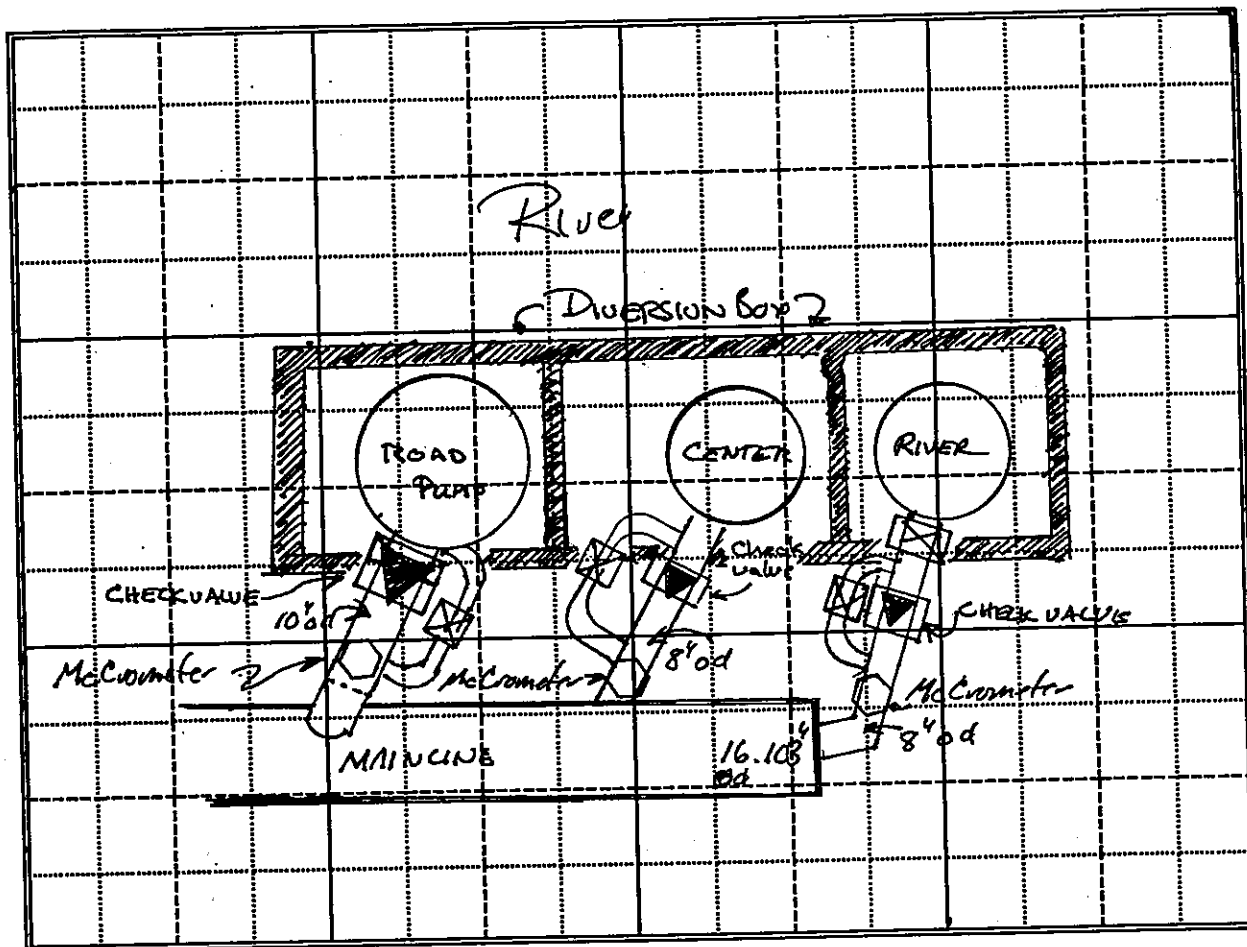
I. AUTHENTICATION

Field Examiner's Name DAVE CARLSON Date 01/17/2003

Reviewer _____ Date _____

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3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate size/ditch size/pipe I.D. as applicable.



Scale: 1" = _____

Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

Aerial Photo Attached (required for irrigation of 10+ acres)

Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
River	GE	200	BXT229113	Verline Quora	3x470133
CENTER	GE	100	BXT229296	Verline Quora	3x4701341
Road	GE	200	CLT319118	JOHNSON	PG14134

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Flow Meter (Road)	Totalizer	McCombs	-	76-8-2272		
Flow Meter (Center)	Totalizer	McCombs	-	76-8-2268		BROKEN
Flow Meter (River)	Totalizer	McCombs		76-8-2273		

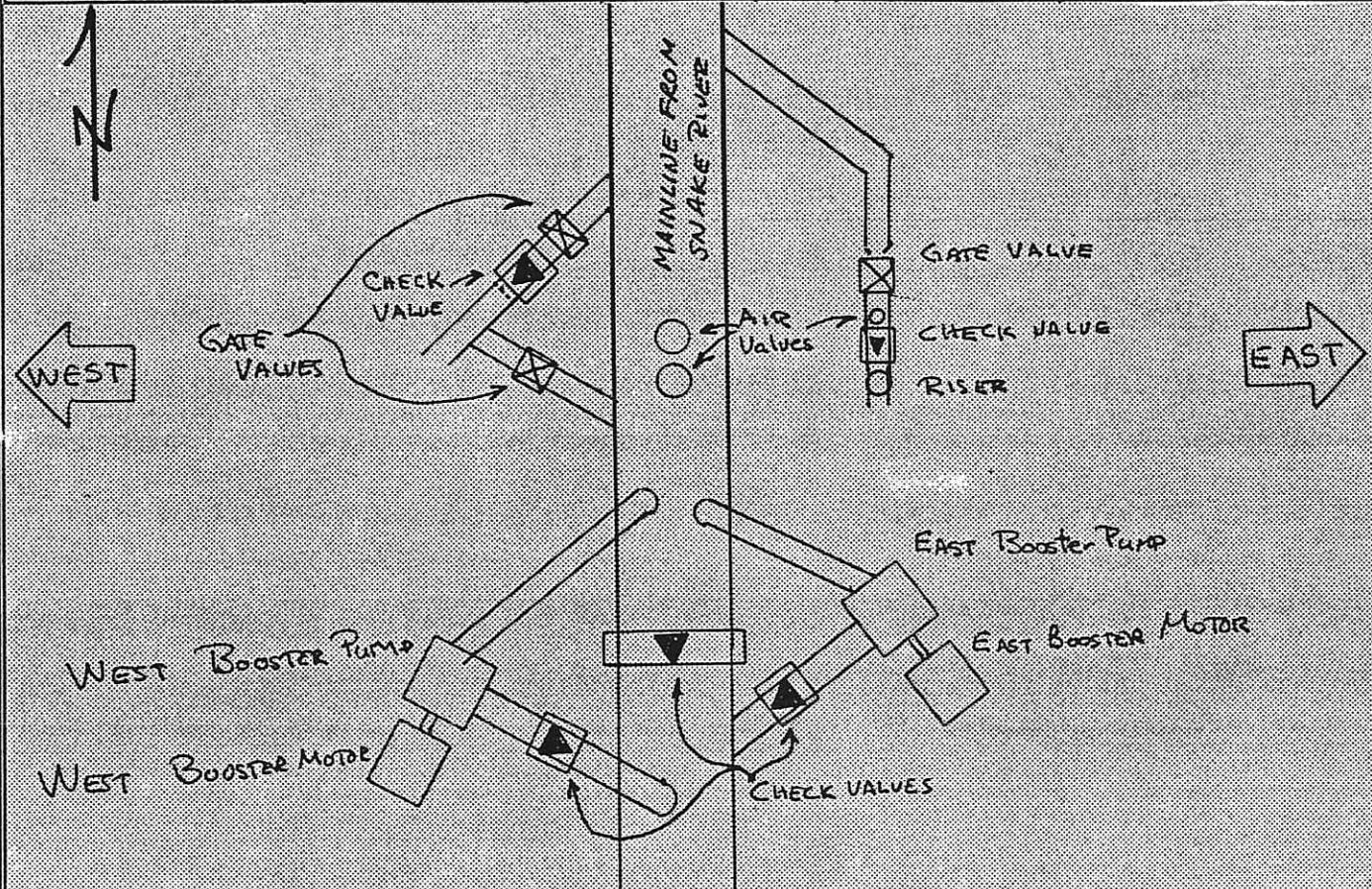
2. Measurements:

total 2850 gpm measured 1400 gpm (river) 900 (mid) 550 gpm
ROAD MICROFILMED

$$CFS = \frac{2850 \text{ gpm}}{1440} = 6.35 \text{ CFS}$$

JUL 15 2003

BOOSTER Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
EAST BOOSTER	Marathon	100	19-03700-6/18-02	CORNELL	75314
WEST BOOSTER	Marathon	75	19-00836-12/20-16	CORNELL	42470

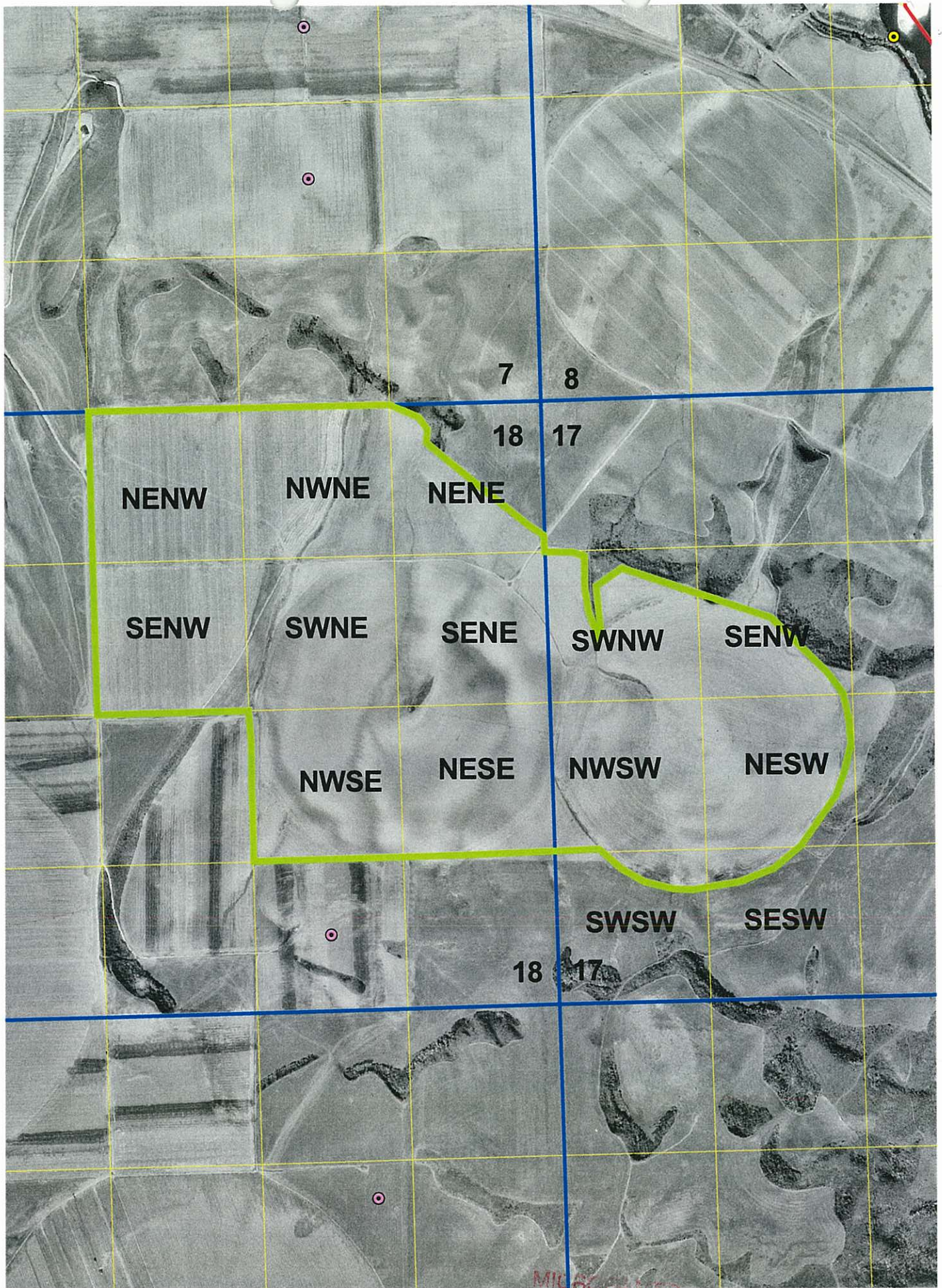


BOOSTER SYSTEM

PERMIT # 01-07090

JUL 15 2003

01-7091



BOOSTER SYSTEM

EAST
Booster

WEST
Booster

MAINLINE FROM
Snake River



VIEW TO SOUTH

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01-07090
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SNAKE RIVER

POINT OF
DIVERSION

SNAKE RIVER



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