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Page DEPARTMENT OF
WATER RESOURCES

Permit No: 27-11959

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 27-11959

Exam Date: 12/7/2005

1. Current Owner: BRIAN ESPLIN
756 E 1000 N
SHELLEY ID 83274

2. Accompanied by: TALKED TO BRIAN E.
Phone No:
Address:
Relationship to Permit Holder:

3. SOURCE TRIBUTARY
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 27-10318
2. Other water rights with the same point of diversion: 27-10318

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER SW1/4SW1/4SE1/4 Sec. 8, Twp 01S, Rge 37E, B.M.
BINGHAM County
GROUND WATER SW1/4SW1/4SE1/4 Sec. 8, Twp 01S, Rge 37E, B.M.
BINGHAM County

Method of Determination: GPS/FE

2.

PLACE OF USE: STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
01S	37E	8												X				X	

PLACE OF USE: COMMERCIAL

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
01S	37E	8												X				X	

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 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>
well		7.5	submersible		
well		5.0	submersible		

*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>

2. Measurements:

$$\text{theor. cal. cfs} = \frac{7.5}{80} \frac{6.16}{2.31(50)} = .24 \text{ cfs}$$

$$\text{cfs} \approx 5 \text{ hp} = .16 \text{ cfs}$$

E. FLOW CALCULATIONS

Measured Method:

☐ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses:

Dairy spreadsheet

G. NARRATIVE/REMARKS/COMMENTS

2 wells/pumps to three homes and a dairy. a 7.5 hp submersible pump and a 5 HP submersible pump to pressure tanks.
1100 head dairy.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
STOCKWATER	01/01 to 12/31	0.180 CFS	27.20 AF
COMMERCIAL	01/01 to 12/31	0.180 CFS	6.20 AF
<u>Totals:</u>		0.180 CFS	33.40 AF

2. Recommended Amendments

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

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

I. AUTHENTICATION

Field Examiner's Name

DAVE CARLSON

Date

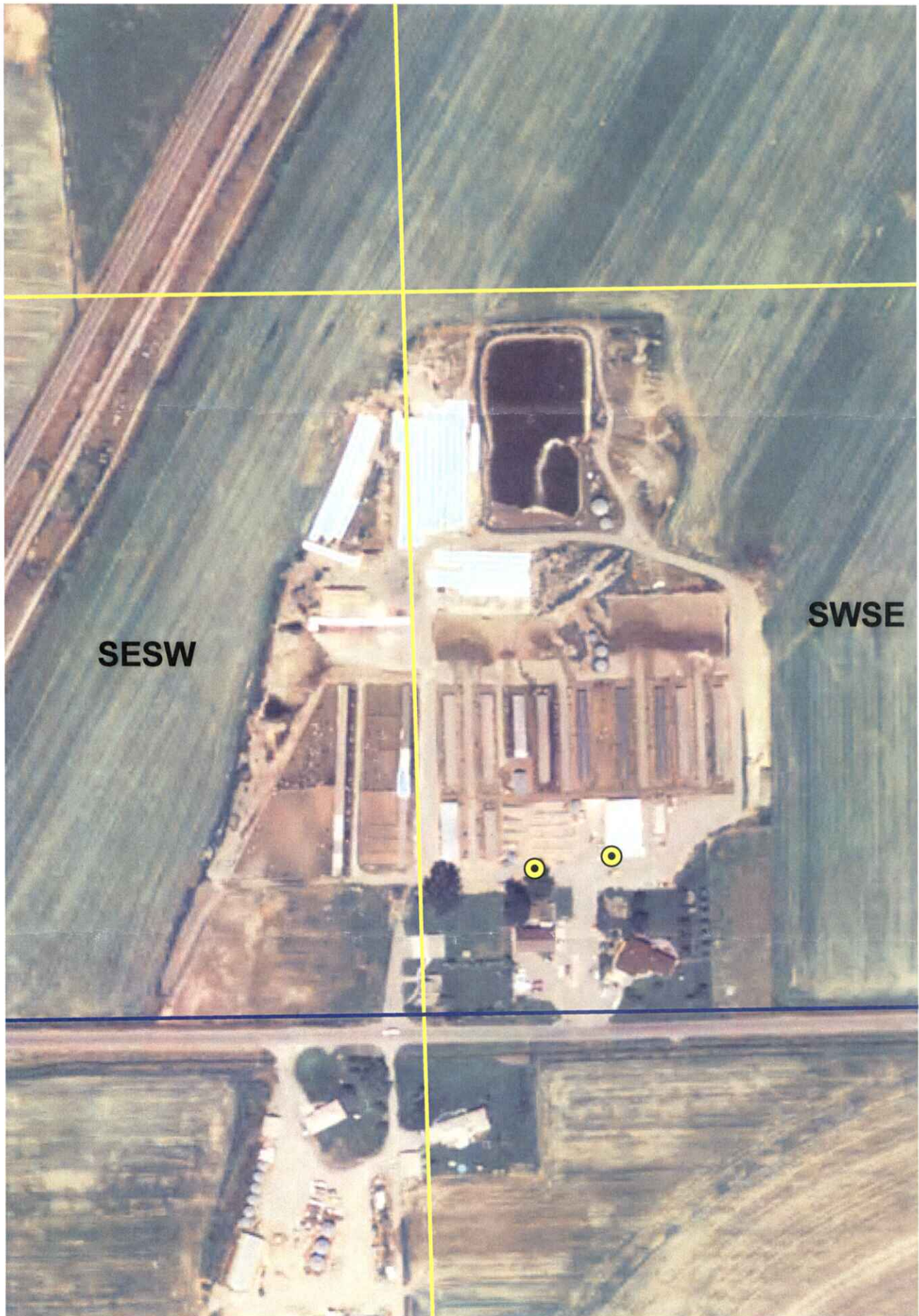
12/2/2005

Reviewer

Date

27-11959

POB/104



27-11959

A27-10318 - Badcup well



GPS Tag
A0000184

27-11959

A27-10318 - Main Well + Well house



GPS tag