

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 35-13521
Exam Date: 04/09/2018

1. Current Owner:

ANDREW E POVEY 2412 POVEY RD AMERICAN FALLS ID 83211-5107 (208) 243-2192 And
NORTHWEST FARM CREDIT SERVICES FLCA 73 FORT HALL AMERICAN FALLS ID 83211 (208) 226-1340

2. Accompanied by:

Phone No:

Address:

Relationship to Permit Holder:

3. **SOURCE:**

GROUND WATER

TRIBUTARY:**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: None
2. Other water rights with the same point-of-diversion: None

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

GROUND WATER NW¼NW¼NE¼ Sec. 35, Twp 06S, Rge 29E, B.M. POWER County

Method of Determination: WMIS record 210020. Aerial photography

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	
06S	29E	35	32.0	30.0	32.0	32.0	34.0	34.0	32.0	34.0									260.0

Total Acres: 260

Method of Determination: Aerial photography

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

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

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
A0008797		250	Main pump		
		75	Booster pump		

*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

2. Measurements:

Flow rate based on water measurement records under WMIS # 210020. Aberdeen American Falls Ground Water District use a portable flow meter to measure diversion.

E. FLOW

 X Additional Computation Sheets Attached

CALCULATIONS

Measured Method:

Rate of diversion calculation is based on water delivery records recorded under WMIS record number 210020. The maximum rate of diversion recorded is in 2006. 1646.0 gpm = 3.67 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 260 \times 4.0 = 1040 \text{ acre-feet.}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 3.67 \times 1.9835 \times 214 = 1557.8 \text{ acre-feet}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 1040.0 \text{ acre-feet}$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

Irrigation system consists of one 250 hp pump and one 75 hp booster pump to two center pivots. Irrigation system is equipped with magnetic flow meter. Water rights 35-14581, 35-14582, 36-16625, 36-16627, 36-16629, 36-16631, 43-13802 and 43-13803 are used to mitigate (dry up of 260 acres) for the diversion of water described under this water right. Andy Povey is the owner of the mitigation water rights. The ground water diversion described under this water right has been measured and reported by Aberdeen-American Falls Ground Water District. The maximum rate of diversion reported by the ground water district was in 2006 at 1646.0 gallons per minute. Aerial photography shows that 260 acres have been consistently irrigated.

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

H. RECOMMENDATIONS

1. Recommended Amounts

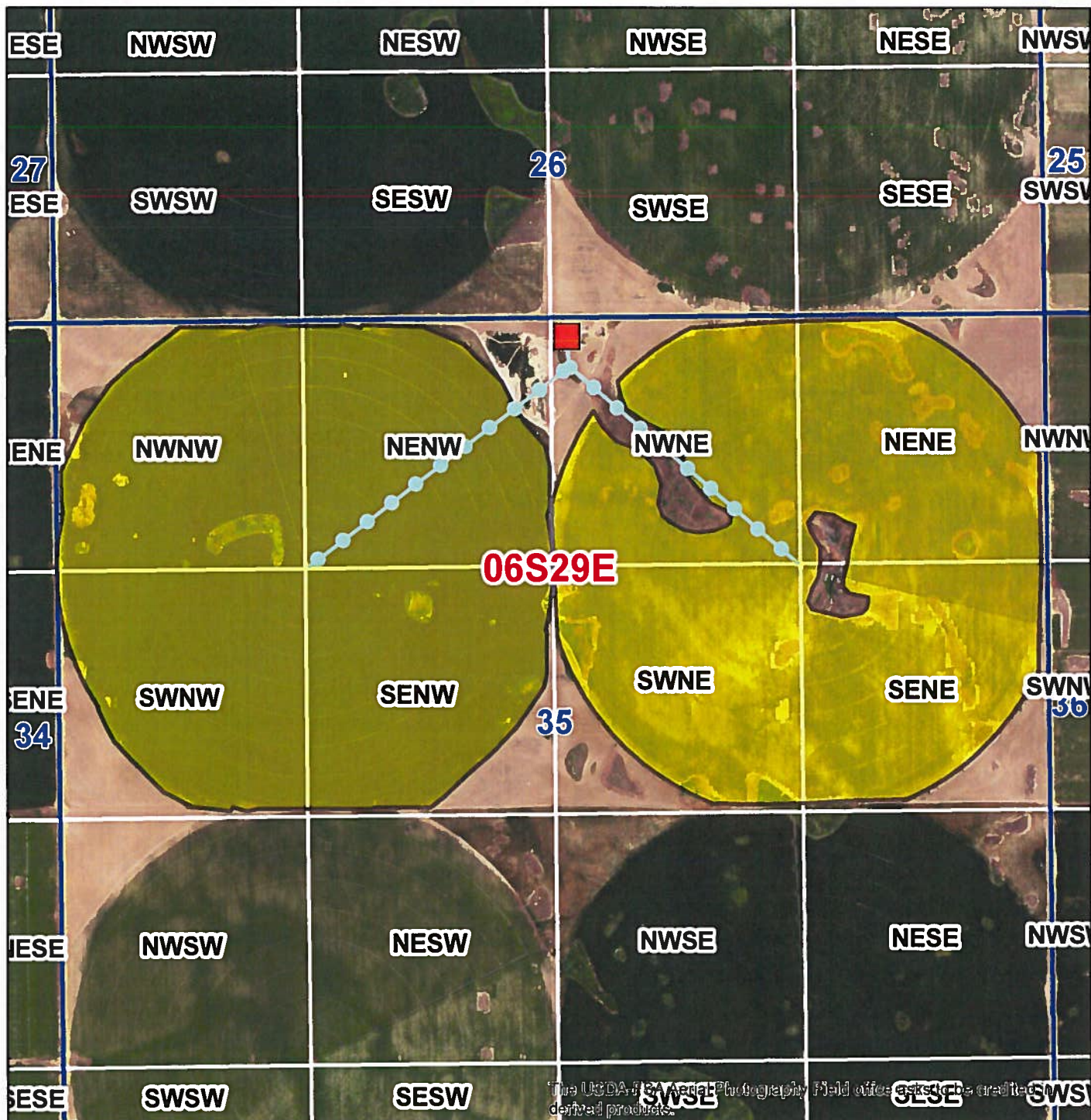
<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	04/01 to 10/31	3.67 CFS	1,040.0 AF
	<u>Totals:</u>	3.670 CFS	1,040.00 AF

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 ☒ None

I. AUTHENTICATION

Field Examiner's Name Blake Jordan Date 4/9/2018
Reviewer James Cefalo Date 4/13/18



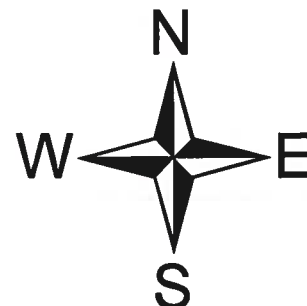
Legend

- Point_of_Diversion
- Pipeline
- Place_of_Use
- Township/Range
- Sections
- QQ

0 500 1,000 2,000 Feet

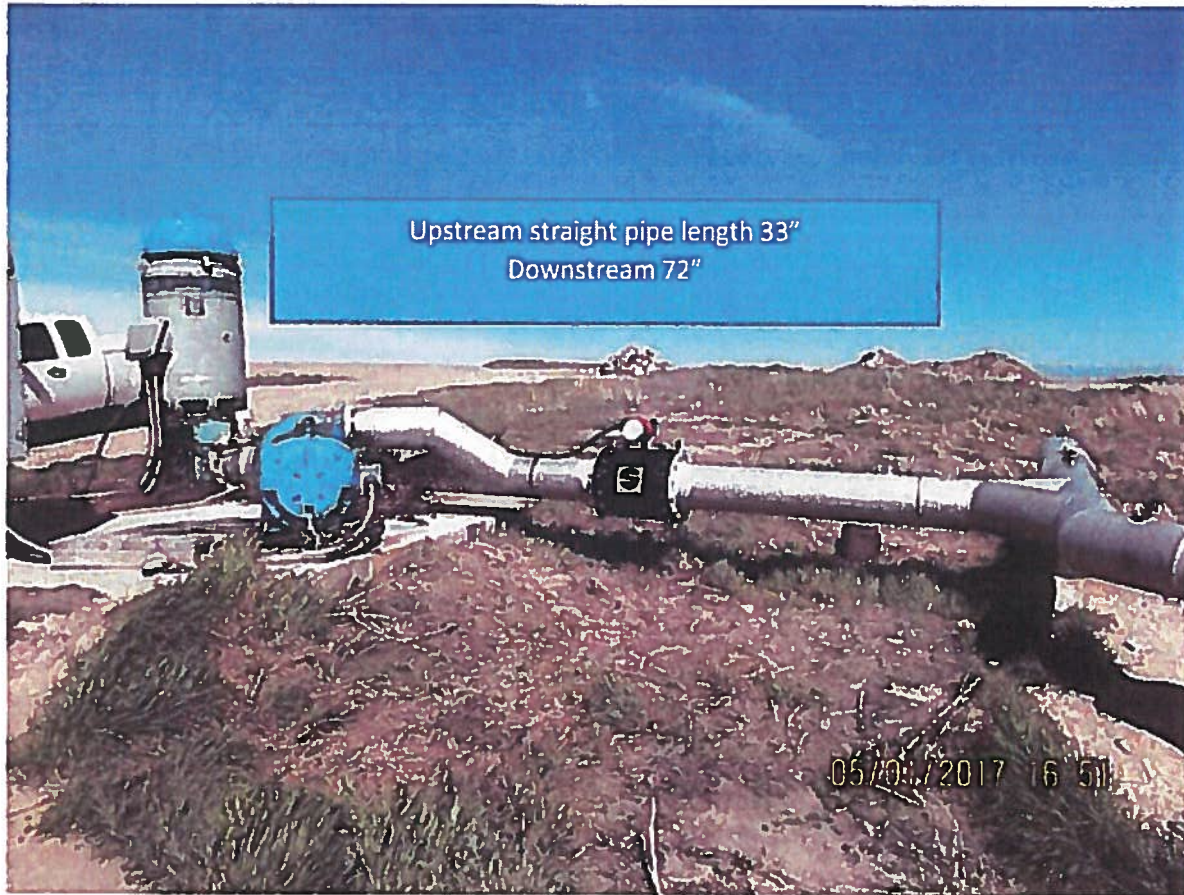
1 inch = 790 feet

Water Right License 35-13521
Andrew Povey



WMIS #: 210020 Metal Tag #: A0008797 Date: 5/01/2017

Meter: Sparling FM 656 10"





Ground wires
attached





Idaho Department of Water Resources

WMIS

Water Management Information System

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WMIS Number

210020

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PCC Conditions*Data that are protected from disclosure are not shown - Contact IDWR for more information*

Year: 2015		Date: 7/10/2015 12:00:00 AM		Total PCC:	Total Percentage:
#	1	Condition Date:	07/10/2015	ConditionPCC:	Percentage:
KW:	143.00	Boost On:	No	Running pivot with end gun on. No other draw on power meter	
GPM:	902.0	Description:			
PSI:	73				
Meter:					
Utility:		Serial Number:			
Main HP:	250.00	Boost HP:	0.00		
Pole Number:		Multiplier:			
Manufacturer:		Disk Constant:			
#	2	Condition Date:	01/01/2015	ConditionPCC:	Percentage:
KW:	228.33	Boost On:	No	6-22-2005	
GPM:	1542.0	Description:			
PSI:					
Meter:					
Utility:		Serial Number:			
Main HP:	250.00	Boost HP:	0.00		
Pole Number:		Multiplier:			
Manufacturer:		Disk Constant:			
Year: 2013		Date: 7/23/2013 12:00:00 AM		Total PCC:	Total Percentage:
#	1	Condition Date:	07/23/2013	ConditionPCC:	Percentage:
KW:	146.30	Boost On:	No	8-TOWER PIVOT	
GPM:	917.0	Description:			
PSI:	71				
Meter:					
Utility:		Serial Number:			
Main HP:	250.00	Boost HP:	0.00		
Pole Number:		Multiplier:			
Manufacturer:		Disk Constant:			

#	2	Condition Date:	07/23/2013	ConditionPCC:	Percentage:
KW:	228.33	Boost On:	No		
GPM:	1542.0	Description:	6-22-2005		
PSI:					
Meter:					
Utility:		Serial Number:			
Main HP:	250.00	Boost HP:	0.00		
Pole Number:		Multiplier:			
Manufacturer:		Disk Constant:			
Year: 2009 Date: 6/29/2009 12:00:00 AM Total PCC: Total Percentage:					
#	1	Condition Date:	06/29/2009	ConditionPCC:	Percentage:
KW:	177.00	Boost On:	No		
GPM:	790.0	Description:	1 pivot with end gun off		
PSI:	31				
Meter:					
Utility:		Serial Number:			
Main HP:	250.00	Boost HP:	0.00		
Pole Number:		Multiplier:			
Manufacturer:		Disk Constant:			
#	2	Condition Date:	01/01/2009	ConditionPCC:	Percentage:
KW:	228.33	Boost On:	No		
GPM:	1542.0	Description:	6-22-2005		
PSI:	100				
Meter:					
Utility:		Serial Number:			
Main HP:	250.00	Boost HP:	0.00		
Pole Number:		Multiplier:			
Manufacturer:		Disk Constant:			
#	3	Condition Date:	01/01/2009	ConditionPCC:	Percentage:
KW:	79.19	Boost On:	No		
GPM:	1646.0	Description:	6-27-2006		
PSI:	71				
Meter:					
Utility:		Serial Number:			
Main HP:	250.00	Boost HP:	0.00		
Pole Number:		Multiplier:			
Manufacturer:		Disk Constant:			
Year: 2006 Date: 6/27/2006 12:00:00 AM Total PCC: Total Percentage:					
#	4901	Condition Date:	06/27/2006	ConditionPCC:	Percentage:
KW:	79.19	Boost On:	No		
GPM:	1646.0	Description:			
PSI:	71				
Meter:					
Utility:		Serial Number:			
Main HP:	100	Boost HP:			
Pole Number:		Multiplier:			
Manufacturer:		Disk Constant:			
Year: 2005 Date: 6/22/2005 12:00:00 AM Total PCC: Total Percentage:					
#	6551	Condition Date:	06/22/2005	ConditionPCC:	Percentage:
KW:	228.33	Boost On:	No		
GPM:	1542.0	Description:	2 PIVOTS W/E.GUNS OFF		

PSI:	100		
Meter:			
Utility:		Serial Number:	
Main HP:	0	Boost HP:	
Pole Number:		Multiplier:	
Manufacturer:		Disk Constant:	
#	7392	Condition Date:	06/22/2005
		ConditionPCC:	Percentage:
KW:	0.00	Boost On:	No
GPM:	0.0	Description:	1 PIVOT
PSI:	0		
Meter:			
Utility:		Serial Number:	
Main HP:	0	Boost HP:	
Pole Number:		Multiplier:	
Manufacturer:		Disk Constant:	

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Data Summary

You are viewing 210020; A0008797

Report Year	Alternate	FM	PCC	Time Clock
2017		367.25	377.92	
2016			472.54	
2015			410.67	
2014			892.23	
2013			465.96	
2012			916.22	
2011			760.00	
2010			569.00	
2009			446.00	
2008				
2007			424.28	
2006			1252.34	
2005				