

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 35-14467
Exam Date: 06/03/2020

1. Current Owner:
GOLD EMBLEM FARMS PO BOX 51780 IDAHO FALLS ID 83405
2. Accompanied by: None.
Phone No:
Address:
Relationship to permit Holder:

3. **SOURCE:**
GROUND WATER

Method of Determination: Site visit

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: No overlapping irrigation water rights. Water right 35-13855 mitigates for 35-14467.

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
35-14268	Ground Water	Irrigation	License

Comments: _____

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER NE¼ SW¼, Sec. 13, Twp 03N, Rge 34E, B.M. BONNEVILLE County

Method of Determination: GPS Coordinates. 43° 35' 25" N; 112° 24' 42" W

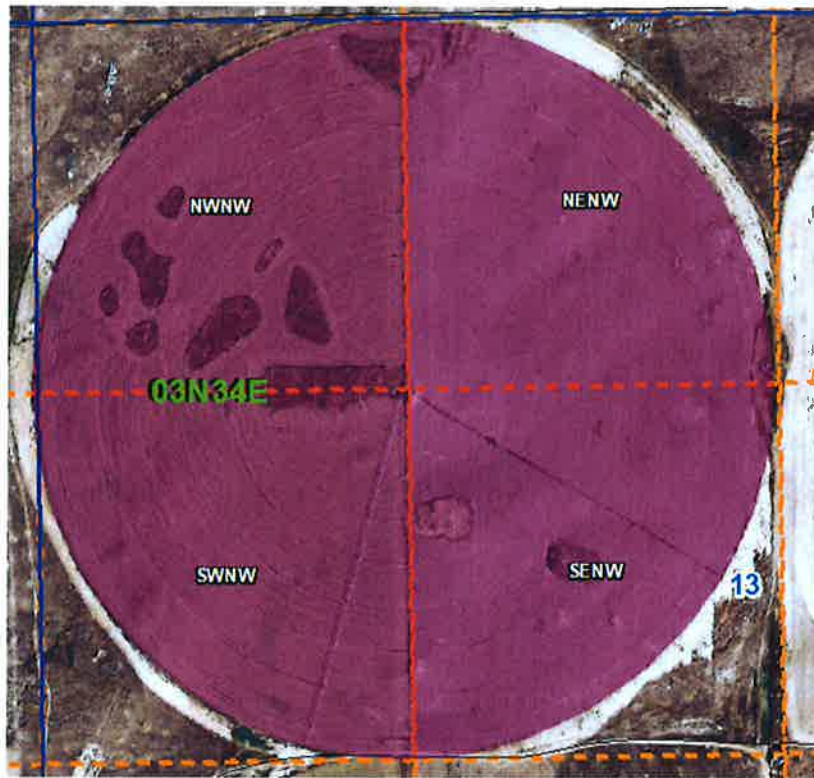


PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
03N	34E	13					30.8	32.3	31.5	30.4									125.0
03N	34E	14	0.1			0.1													0.2

Total Acres: 125.2

Method of Determination: Aerial photography



3.

 X Delivery System Diagram Attached (required). Indicate all major components and distances between components. 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 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
WMIS # 200113	A.C Squirrel	800	021109		
Booster Pump		200			



D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Flow meter	Magnetic	Lindsay Growsmart	IM3000	GT16120376	12"	

2. Measurements:

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method: Flow meter reading

Diversion Capacity = 7.62 cfs. Right 35-14268 = 4.15 cfs, Right 35-14467 = 2.5 cfs

**F. VOLUME CALCULATIONS**

1. Volume Calculations for irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 125.2 \times 4.0 = 500.8 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 2.5 \text{ cfs} \times 1.9835 \times 214 \text{ days} = 1061.2 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 500.8 \text{ AF}$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

800 Hp pump and 200 Hp booster pump is used to divert water to four pivots. Lindsay Growsmart magnetic flow meter installed on irrigation system. The magnetic flowmeter was used to calculate rate of diversion. Water right 35-13855 mitigates (by non-use) for the diversion of water under 35-14467. Gold Emblem Farms continue to holds an agreement to use water right 35-13855 for mitigation purposes. Total number of acres irrigated under this right is 125.2. The right holder is using an existing well described under water right 35-14268.

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

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
IRRIGATION	04/01 to 10/31	2.50 CFS	500.8 AF

Totals: 2.50 CFS 500.8 AF

2. Recommended Amendments

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

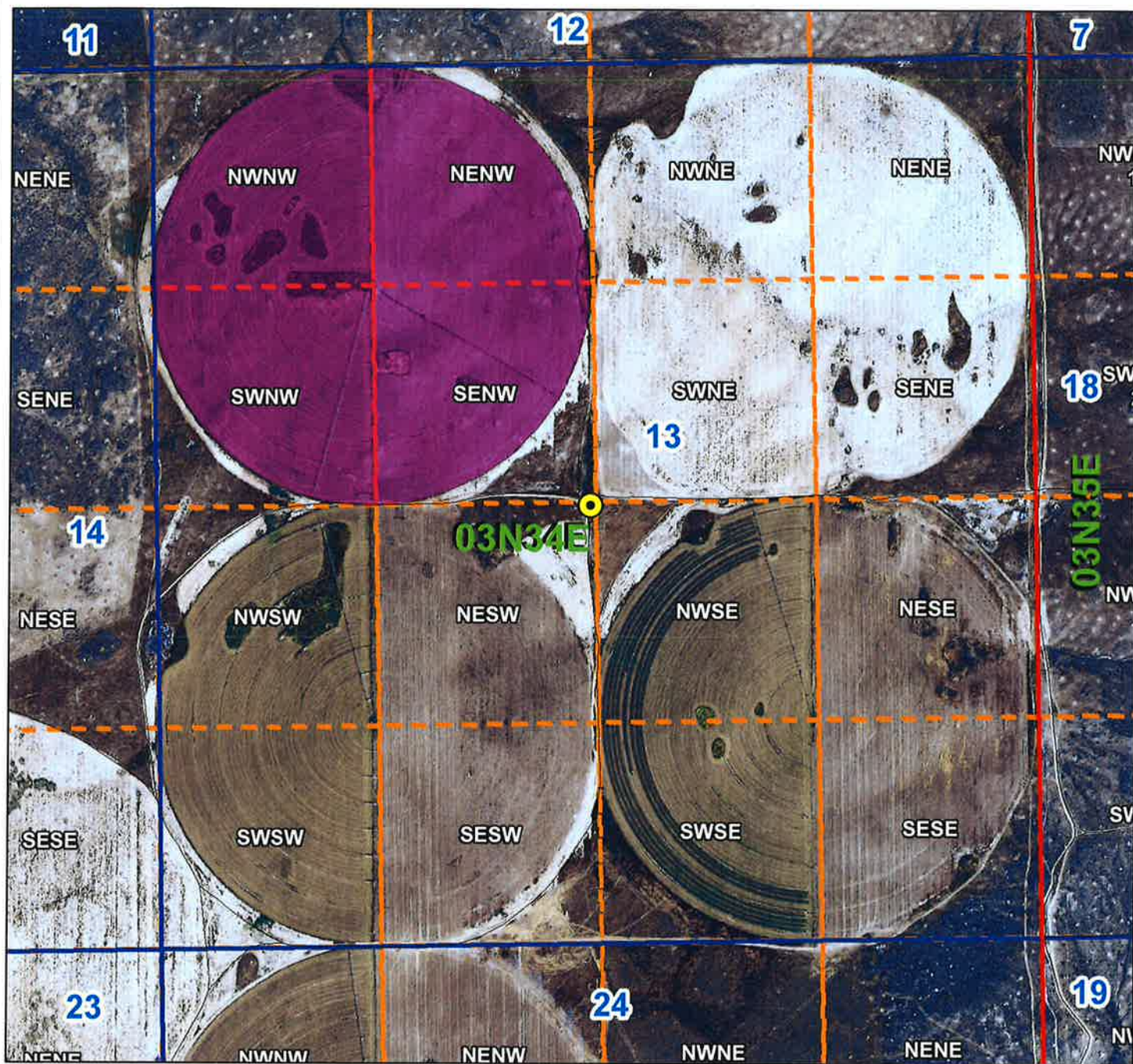
____ Change P.U. as reflected above ____ Add P.U. as reflected above X None

I. AUTHENTICATION

Blake Jordan - Water Rights Supervisor

Field Examiner's Name Blake Jordan Date 6/3/2020

Reviewer _____ Date _____



● Point_of_Diversion_35-14467

Place_of_Use_35-14467

Township/Range

Sections

QQ

0 500 1,000 2,000 Feet

1 inch = 899 feet



Water Right License 35-14467