

4/30/2018

| <u>Owner Type</u> | <u>Name and Address</u>                                                          |
|-------------------|----------------------------------------------------------------------------------|
| Current Owner     | KBC FARMS LLC<br>3010 MC KINLEY ST<br>AMERICAN FALLS, ID 83211<br>(208) 226-9940 |

**Status:** Active

## Tributary

GROUND WATER                      SENW                      Sec. 20, Twp 10S, Rge 31E, POWER County

|     |     |     | NE |    |    |    | NW  |      |      |     | SW  |    |    |    | SE |    |    |    |        |
|-----|-----|-----|----|----|----|----|-----|------|------|-----|-----|----|----|----|----|----|----|----|--------|
| Twp | Rng | Sec | NE | NW | SW | SE | NE  | NW   | SW   | SE  | NE  | NW | SW | SE | NE | NW | SW | SE | Totals |
| 10S | 31E | 20  |    |    |    |    | 0.2 | 32.0 | 11.0 | 1.5 | 1.4 |    |    |    |    |    |    |    | 46.1   |

POU Total Acres: 46.1

1. R64 This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 4.0 afa per acre at the field headgate for irrigation of the place of use.

|             |            |     |
|-------------|------------|-----|
| 1. cpalmer  | 12/29/2011 | POU |
| Updated PLS |            |     |

2. cpalmer 12/29/2011 POD  
Updated Shape

3. cpalmer 12/29/2011 POU  
Updated Shape

4. **cpalmer** 12/30/2011 Licensing Memo  
**DEVELOPMENT PERIOD:** The development period was between 1981-1988.

**IDAHO DEPARTMENT OF WATER RESOURCES**  
**Proof Report**

4/30/2018

**DISCREPANCIES:** The field exam was initially completed in 1991. The field exam report was written up by at least 3 staff member and a lot of confusion appeared when the field exam was re-visited in 1999. It should be recognized that the original system that was developed under this permit includes ONE well with two pumps that provided water for irrigation and domestic purposes (although system was not operable at the time of the first field exam). Since no measurement could be taken at the field exam, department staff obtained a measurement from Idaho Power staff many years later. That measurement yielded a diversion rate of 0.31 cfs. We have no idea what the conditions were when that measurement was made and it seems very diminished than what the field examiner concluded in his theoretical calculation of 0.57 cfs.

**PD:** At the time of the field exam one well serviced the home for domestic use and ~52 acres of irrigation.

**POU:** It appears that the orchard that is south of the home is obviously irrigated according to 1987 Imagery. However, its a little ambiguous as to the disposition of the field to the north of the house during the development period. I pulled 1986 LandSat aerial imagery and it appears that that field was irrigated during the development period and I will issue the license with the POU as recommended by the field examiner with a few exceptions. One of the field examiners created a map that depicted a 52.8 acre POU. I drew their shape in ArcMap and found that the road and the house were included in their original shape. I excluded these figures and re-figured the POU to be 51.9 acres.

**OVERLAPS:** The field examiner identified surface water rights that overlap the POU for this permit. However, in his March 12, 1998 memo, Corey Skinner clarified how a decision was made that placed all the surface water rights on the west of the south fork of Rock Creek. In other words, no overlapping rights cover the POU. Additionally, there are no other rights that diverted from the PD for this permit.

**DIVERSION RATE:** The two diversion rates that were recommended in the field report are 0.31 cfs and 0.57 cfs. The problem with the first measurement was that I am not aware of the conditions when that measurement was taken. In addition, it sounds like the system was modified when the new domestic well was drilled which took place before the measurement was taken. The theoretical calculation of the system seems acceptable yet according to the system description in the field exam report there are 4 inch mainlines that run off of the well. The attached pipe flows table for a 4 inch pipe show that that size of a pipe can accommodate 0.44 cfs. I will license this right for 0.44 cfs plus 0.04 cfs for the domestic use. The total diversion rate will be 0.48 cfs.

**VOLUME:** The volume for domestic will be 1.2 af as recommended by Jim Stanton (I recognize his writing). He allowed for lawn irrigation in addition to the in-home use. It seems the Georgia Satterlee made recommendation after the second well was drill in 1999 and may be based on the new system, etc. The earlier recommendations most likely reflect the original system.

The volume for the irrigation will be the lesser of the two calculations:

$4 \text{ afa} \times 52 \text{ acres} = 208 \text{ afa}$

$0.44 \text{ cfs} \times 214 \text{ days} \times 1.9835 = 186.8$

5. Ownership Change 7/5/2016 Split Right

This right was split into 41-7053 and 41-10294 pursuant to an ownership change.

**IDAHO DEPARTMENT OF WATER RESOURCES**  
**Proof Report**

4/30/2018

|               |          |          |     |
|---------------|----------|----------|-----|
| 6.            | tfawcett | 7/5/2016 | POU |
| Updated Shape |          |          |     |
| 7.            | tfawcett | 7/5/2016 | POU |
| Updated PLS   |          |          |     |

**Dates and Other Information**

Licensed Date: 1/19/2012

Generic Max Rate Per Acre: 0.020

Generic Max Volume Per Acre: 4.0

Mitigation Plan: False

**Combined Use Limits**

N/A

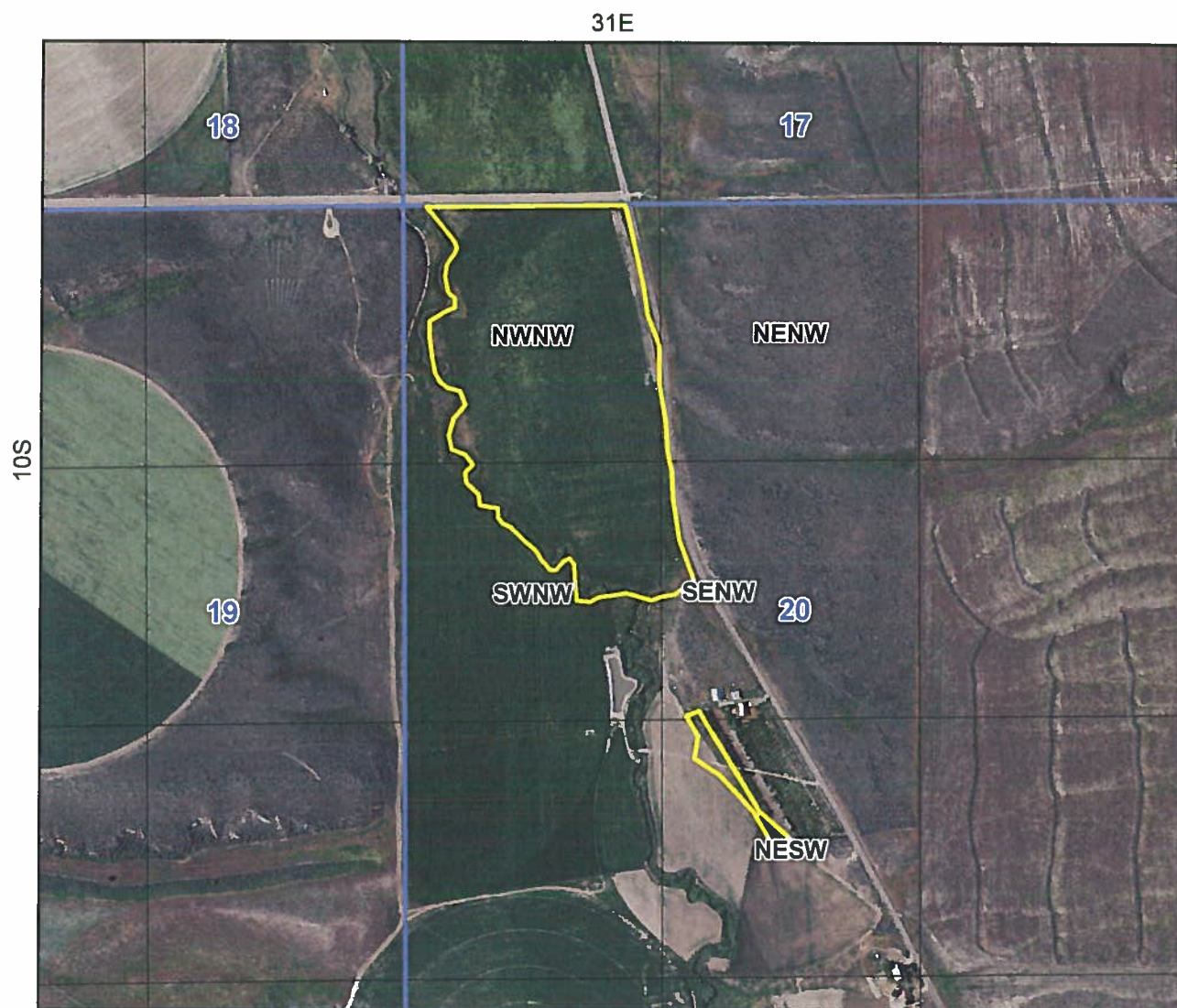
**SubCase:**

N/A

**Water Supply Bank:**

N/A

State of Idaho  
Department of Water Resources  
**Water Right 41-7053**  
**Map AFTER Ownership Change Split**



0 0.1 0.2 0.4 Miles

-  Place Of Use Boundary
-  Townships
-  PLS Sections



5/31/2016

Page 1 of 2

IDAHO DEPARTMENT OF WATER RESOURCES  
Proof Report

5/31/2016

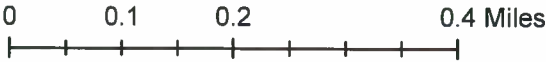
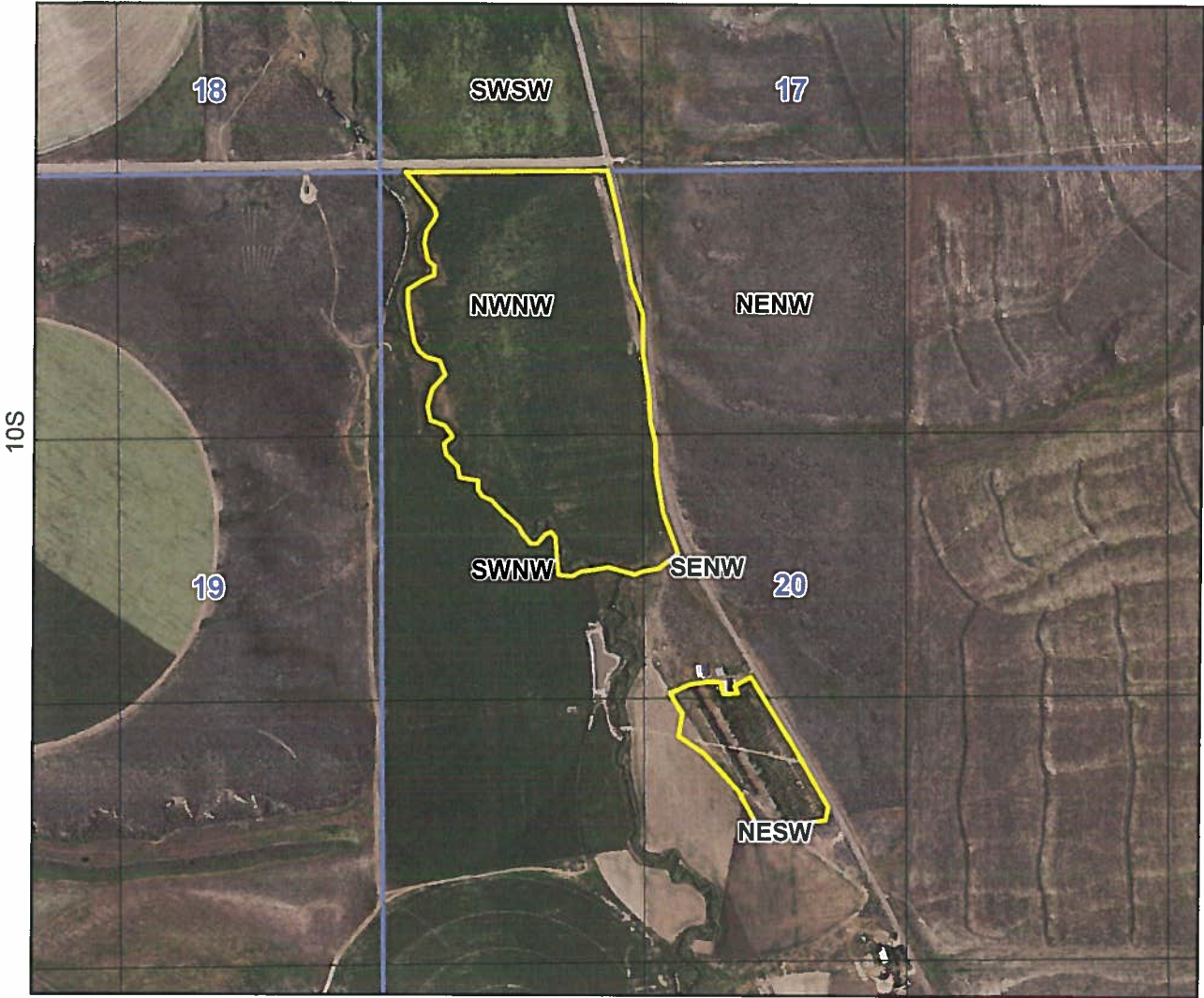
N/A

**Water Supply Bank:**

N/A

# Water Right POU Before Ownership Change Split

41-7053



-  Place Of Use Boundary
-  Townships
-  PLS Sections

