

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 41-07066

Exam Date: 5/17/2016

1. Current Owner:

KERRY G SPETH 4136 N JONES RD #A OAK HARBOR WA 98277 (360)679-0518

KATHLEEN D GARRY 4136 N JONES RD #A OAK HARBOR WA 98277 (360)679-0518

2. Accompanied by: Benny Walker (IDWR Staff) and Mercy Speth

Phone No: 360-679-0518

Relationship to Permit Holder: Wife

3. SOURCE:4

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 SE¼NW¼ Sec. 7, Twp 09S, Rge 30E, B.M. POWER County

Method of Determination: ESRI and 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	
09S	30E	7							7.6	6.4									14.0

Total Acres: 14

Method of Determination: ESRI and aerial photography. Also a recorded WMIS point and a drill log are included in attachments.

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.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
WMIS # 600796		7.5			

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: In 2013 the area was burned in a wild fire. The power lines, cabin and well were consumed in the fire and have not yet been replaced due to financial burdens. (see attached letter dated 6/10/2016) There are no records of previous measurements and we were obviously not able to obtain a physical measurement at this time.

E. FLOW CALCULATIONS

Measured Method:

_____ Additional Computation Sheets Attached

A theoretical calculation was used to obtain the flow rate since a measurement was not available at the time of the field exam.

$$Q = \frac{8.8 \times \text{Pump Efficiency} \times \text{Horse Power}}{\text{Lift} + (2.31 \times \text{PSI})}$$

Assume 70 % pump efficiency
Lift to system 100 ft.
Pump HP 7.5
30 PSI

$$\frac{8.8 \times 0.7 \times 7.5}{100 + (2.31 \times 30)} = \frac{46.2}{169.3} = 0.273 \text{ cfs}$$

Calculated flow is in the approximate range of 0.28 cfs which is the standard inch to the acre for this area and the permitted rate. Recommend 0.28 cfs for this license. (0.02 in/ac X 14 acres = 0.28 cfs)

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 14 \times 4 = 56 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.28 \text{ cfs} \times 214 \text{ days} \times 1.9835 = 118.86 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 56 \text{ AF}$$

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS

Application for permit was filed on April 8, 1983 and approved on March 7, 1991. A Request for an Extension of Time was filed in 1993 but the permit still lapsed on February 8, 1996. The permit was reinstated that same year with an advanced priority date of May 10, 1996.

In 2013 the area was burned by a wild fire. The power lines, cabin and well were consumed in the fire and have not yet been replaced due to financial burdens. (see attached letter dated 6/10/2016) Even though the system is now defunct IDWR still owes the applicants a license for their original development. The system consisted of a well (see attached well log), a 7.5 HP pump and handlines. There are no records of previous measurements and we were obviously not able to obtain a physical measurement at this time so a theoretical calculation was used to obtain the flow rate of 0.27 cfs. (see above calculations) The calculated flow is in the approximate range of 0.28 cfs which is the standard inch to the acre for this area and also the permitted rate. I am recommending a flow rate of 0.28 cfs for this license. (0.02 in/ac X 14 acres = 0.28 cfs)

At the time of the field exam the little basin was entirely green in pasture grass. A lease was also provided for use of the well and pasture land for the years 1995-2005. (see attached) According to aerial imagery there are approximately 14 irrigable acres in the valley. Therefore, I am recommending a volume of 56 AF which is the IDWR standard of 4 acre feet per acre for this area for the irrigation of 14 acres. (14 acres X 4 FT/ac = 56 AF)

Note, Kathleen D. Garry is deceased. A written request from her son, Kerry Speth and a death certificate authorizes the removal of her name from the water right. (see attached letter dated 6/27/1995) An Assignment of Permit to include Mercy Speth on the water right has been submitted along with Power of Attorney signed by Mercy Speth (wife). The Speth's will also seek to place the new license into the Water Supply Bank to protect it until the new system can be developed.

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

H. RECOMMENDATIONS**1. Recommended Amounts**

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
IRRIGATION	03/15 to 11/15 4/1 to 10/31	0.28 CFS	56 AF
* Standard for area		Totals:	56.00 AF

2. Recommended Amendments

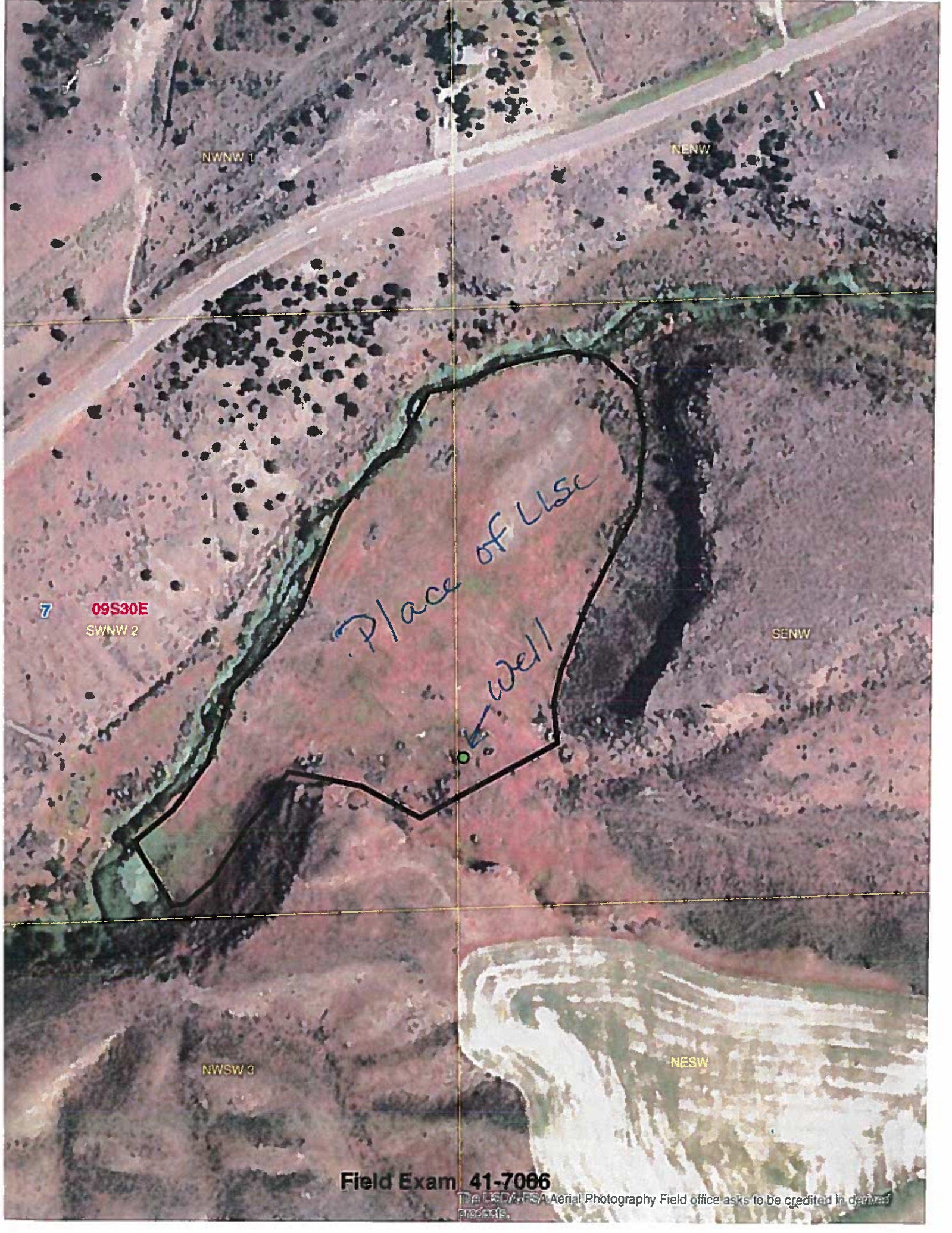
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

I. AUTHENTICATION

Field Examiner's Name Sara Reeder Date 8/23/16

Reviewer _____ Date _____



NWNW 1

NENW

7

09S30E
SWNW 2

Place of Use
well

SENW

NWSW 3

NESW

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The USDA-FSA Aerial Photography Field office asks to be credited in derivative products.

7 MAY 96

Dear Sir:

In regard to permit No. 41-07066, Work was started August 1995 and completed on October 1995. It was my intent to be ready (show) beneficial use prior to the 2-1-96 deadline, however due to my being transferred (U.S. Navy, Active Duty) your office did not have my correct address. Due to this I did not receive the proof due notice from December. I hope that you will still be able to process my permit at this time.

I am inclosing copies of receipts for irrigation pump and installation, also inclosed is a copy of the lease contract of said property to Mr. Steve Isaak and Mr. LaMar Isaak. This contract is sent with the intent to show that the irrigated land is being used for grazing. The Isaak's are have agreed to assist your department and to serve as point of contact for access and inspection to water systems.

Point of contacts for permit 41-07066 and claims A41-02000 and A41-02008:

Steven Isaak
3315 Rock Creek Rd.
American Falls, Idaho 83211 Phone: (208)226-5742

LaMar Isaak
3298 S. Isaak Lp.
American Falls, Idaho 83211 Phone: (208)226-2618

My new address is:

Kerry & Mercy Speth
4136 N. Jones Rd. #A
Oak Harbor, Washington 98277 Phone: (360)679-0518

In regards to proof of beneficial use form No. 217, I have answered to the best of my ability with the information I have available. I am providing the following information and requesting that your office review it and assist me if possible.
question No.

2. Kathleen Gary is deceased, if possible and it would not slow down processing I would like to add my wife's name, (Mercy Speth)
4. This well was drilled approximately 25 years ago by Mr. Vollmer of American Falls. I do not have record of the permit no.
6. This well tested out at over 110 gal per min. in August 1995.
7. No permanent measuring device is currently installed on this well.

Thank you for the assistance your office has provided.

Sincerely

JUN 27 1996

Kerry Speth

Lease Between Kerry Speth & LaMar & Steve Isaak

Leasee: LaMar & Steve Isaak

Leassor: Kerry Speth

Leassor agrees to lease his Farm with the following legal description: See Addendum A.

Containing 50.5 acres more or less.

The duration of this lease is From 8-15-95 to 12-31-05, for the amount of \$1.00 per year. Leassor agrees to allow leasee's unrestricted use of the above described property for the grazing of cattle & the production of forage crops.

Leasee agrees to the following terms:

1. To pay to leassor the amount of property tax from 1-1-96 to 12-31-05, leassor will provide receipt and a copy of the tax statement to leasee.

2. To irrigate as much as Feasible in an effort to preserve the water rights.

3. Furnish pump pipe ect. to water ~~out~~ of the creek.

4. Repair & maintain Fences

5. Work on suppression of noxious weeds

6. Remove leasee's private irrigation equipment unless both parties agree on leassor purchasing said equipment, or there is an extension or renewal of the lease.

JUN 27 1996

7. To provide liability insurance in the amount of \$1,000,000.

8. To allow lessor access to all property, and to allow him to pasture up to 3 head of horses.

9. Lessee is aware that lessor may be starting a house on the property.

lessor: *Kerry E. Smith* 8-15-95

lessee: *Leman Isaac* 8-15-95
Steve Isaac 8-15-95

RECORDED
JUN 27 1996

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