



BROCKWAY
ENGINEERING
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Hydraulics

Hydrology

Water Resources

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FEB 09 2017

Department of Water Resources
Eastern Region

February 6, 2017

James Cefalo
Idaho Department of Water Resources
900 North Skyline Drive, Suite A
Idaho Falls, ID 83402-1718

Re: Lance and/or Lisa Funk Partnership Permit 35-14243

Dear Mr. Cefalo:

The beneficial use field exam has been performed for water right permit 35-14243. Attached to this letter is the Statement of Completion, Beneficial Use Field Report, aerial maps and supporting documents for permit 35-14243.

The beneficial use field exam was performed late in the 2016 irrigation season and it is requested that additional information be allowed to be submitted to the Idaho Department of Water Resources pertaining to the diversion rate of this permit. It is proposed that a sight visit be performed by the beneficial field examiner during the months of May or June to document the diversion rate during the early part of the irrigation season.

By providing an early and late season diversion rate values, the Idaho Department of Water Resources can recommend the most accurate diversion rate for the license of 35-14243.

CHARLES E.
BROCKWAY,
PH.D., P.E.

CHARLES G.
BROCKWAY,
PH.D., P.E.

Sincerely,

Greg Sullivan, M.S., Engineer

Cc: Lance Funk

Enc: Statement of Completion, Beneficial Use Field Report, Aerial Maps, Photographs

2016 NORTH
WASHINGTON
STREET • SUITE 4

TWIN FALLS,
IDAHO 83301

208•736•8543

FAX: 736•8506

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FEB 09 2017

Department of Water Resources
Eastern RegionSTATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
STATEMENT OF COMPLETION
FOR SUBMITTING PROOF OF BENEFICIAL USE

FOR OFFICE USE ONLY

Amt. of Fee \$ _____
Receipt No. _____
Received By _____
Date Received _____

The Idaho Department of Water Resources considers this form a statement by the permit holder(s) that development of a water right has been **completed** and that water has been applied to beneficial use to the extent described below. **This form must be accompanied by an examination fee, when necessary, or by a completed Beneficial Use Field Report prepared by a certified water right examiner.** Please refer to the instructions and fee schedule for this form. If ownership of the permit has changed, contact any Department office or visit the Department's website at idwr.idaho.gov for an *Assignment of Permit* form. If you wish to relinquish your permit because you have not established the authorized use of the water and are not applying for an extension, please notify the Department in writing.

1. Permit No. 35-14243 Telephone No. (208)226-99762. Name of Permit Holder(s) LANCE AND/OR LISA FUNK PARTNERSHIP3. Mailing Address PO Box 310 City AMERICAN FALLSState ID Zip 83211 Email _____4. Source of Water Ground Water If **GROUND WATER** (well), Date Drilled mo. 1 / yr. 2012Well Driller Vollmer Drilling Drilling Permit Number 862785

5. Extent of use(s) completed as authorized by the water right permit:

Domestic (No. of households) _____ Stockwater (No. and type of stock) _____

Irrigation (No. of acres) 659 Other _____6. Total rate of diversion or storage volume for which proof is submitted 13.18 cfs OR 2636 acre-feet.

7. Compliance with a measuring device requirement, lockable controlling device requirement, and/or other conditions of permit: Refer to the approval conditions on your permit and respond accordingly.

The Department will not issue a license if permit conditions are not met.Measuring Device Is a measuring device required? Yes ☒ No ☐If yes, has the measuring device been installed? Yes ☒ No ☐Lockable Controlling Device Is a lockable device required to control the diversion? Yes ☒ No ☐If yes, has the lockable device been installed? Yes ☒ No ☐Fish Screen Is a fish screen required? Yes ☐ No ☒If yes, has the fish screen been installed? Yes ☐ No ☒**Other Conditions of Permit**

Do the approval conditions on your permit require you to submit additional information in connection with your proof of beneficial use? If yes, list the conditions below and attach documents with the required information.

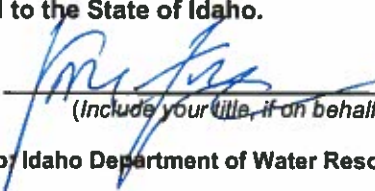
_____ Completed? Yes ☐ No ☐8. Fee Enclosed \$ _____ or not applicable ☐. See fee schedule on page 2 of the instructions.

Proof statements filed without an appropriate fee, will be considered incomplete.

9. Person to contact to accompany the Department representative during field examination of the water system.

Name Lance Funk Telephone Number 208-226-9976Mailing Address 2960 CEDAR LN City American FallsState ID Zip 83211 Email _____

The information given on this form is my true statement of the extent to which the above numbered permit has been developed and water has been diverted and applied to a beneficial use. I understand that any undeveloped portion of the permit is relinquished to the State of Idaho.

Signature of Permit Holder  Date _____

(Include your title, if on behalf of company or organization)

Mail to Idaho Department of Water Resources, PO Box 83720, Boise, ID 83720-0098

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
FEB 09 2017
Department of Water Resources
Eastern Region

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

A. GENERAL INFORMATIONPermit No. 35-142431. Owner LANCE AND/OR LISA FUNK PARTNERSHIPPhone No. (208)226-9976Current address PO Box 310 AMERICAN FALLS, ID 832112. Examiner's name Greg Sullivan

EXAM DATE _____

3. Accompanied by Lance FunkEmail greg.sullivan@brockwayeng.comAddress 2016 North Washington St Ste 4 Twin Falls, Idaho 83301Relationship to permit holder ConsultantPhone No. 208-736-85434. Source Ground Water

tributary to _____

B. OVERLAP REVIEW1. Other water rights with the same place of use None2. Other water rights with the same source and point of diversion 35-14084, 35-14089, 35-14092, 35-14081, et al.**C. DIVERSION AND DELIVERY SYSTEM**

1. Point(s) of Diversion:

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
			NW	NE	5	07S	29E	Power	Aerial Photography/site visit

2. Place(s) of Use: Method of determination Aerial Photography

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	32									40		37.5	38.2	40	40	38.2	38.1	272
07S	29E	4					33	28	40	40									141
		5	10.5	10.5	40	40	33	32	40	40									246
																			659

- 1

See attached 2015
aerial map

- 4.

*Code to correspond with no. on map and aerial photo

1.

[illegible]

-

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☒ Yes ☐ No If no, what must be done to meet the permit requirements?

F. FLOW CALCULATIONS☐ Additional computation sheets attached

Measured Method:

Pump operates at capacity with:

Mag meter #1 1,416 gpm + Mag meter #2 1,642.0 gpm = 3058 gpm (6.81 cfs)

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 659 \times 4.0 = 2636 \text{ afa}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 6.81 \times 213 \times 1.9835 = 2878.5 \text{ afa}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 2636 \text{ afa}$$

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

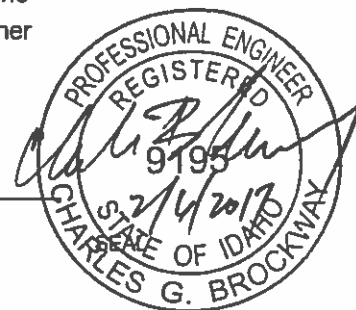
Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Irrigation	4/01	10/31	6.81	2636.0
Totals:			6.81	2636.0

2. Recommended Amendments

☐ Change P.D. as reflected on page 1☐ Add P.D. as reflected on page 1☒ None☐ Change P.U. as reflected on page 1☐ Add P.U. as reflected on page 1☐ Other**I. AUTHENTICATION**

Field Examiner's Signature _____ Date _____

Reviewer _____ Date _____



Permit 35-14243

Narrative/Remarks/Comments for Beneficial Use Field Report

A field examination for Permit 35-14243, an irrigation permit held by Lance and/or Lisa Funk Partnership has been performed. Based on aerial photographs and the site visit the following information has been observed. The well has been drilled. The pump and motor have been installed and the well has provided water to the designated place of use.

There is one well identified as the authorized POD for water right permit 35-14243. The well is located at Township 07S Range 29E Section 5 NWNE. There was not sufficient pipe spacing to attach a strap-on ultrasonic meter to record flow measurements during the field exam for the well.

The well has a 700 Hp motor and has an 18 inch Siemens Mag 5000 flow meter attached to the south mainline and a 15 inch Siemens Mag 5000 flow meter attached to the north mainline. The flowmeters were correctly installed in 2016. The pump was turned on and a measurement of 3,058 gpm (1,416 gpm+1,642.0 gpm=3,058 gpm) or 6.81 cfs was obtained after the system had stabilized and was pumping to the wheel line irrigation system in a normal operating configuration.

This POD supplies water to fields that are irrigated wheel lines only.

Observed acres irrigated during the field exam and through 2015 aerial photographs are in accordance with Permit 35-14243.

The well log for the existing well was obtained from IDWR well driller log database. The well was drilled in 2012 and is 640 feet deep. The static water level when the well was drilled was 480 feet. There is a surface casing seal from +2 to 38 feet below ground level.

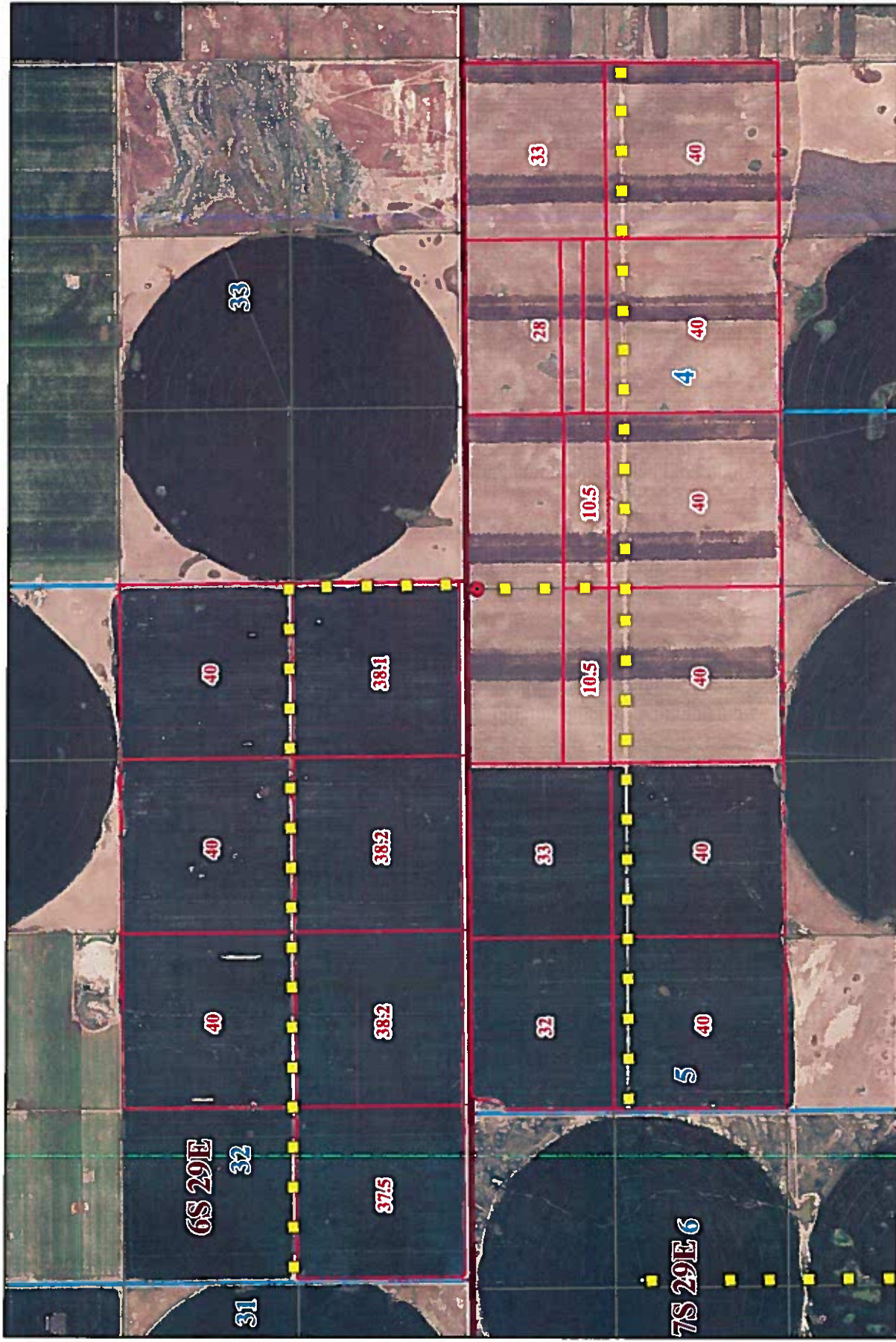
It is recommended that water right permit 35-14243 be licensed with an acre limit of 659.0 acres, an annual volume limit of 2,636.0 acre feet per year ($659.0 \times 4.0 = 2,636.0$ afa) and a diversion rate of 6.81 cfs.

Water rights 35-14081, 35-14084, 35-14089, 35-14092 and 35-13608 are diverted from the same POD as permit 35-14243. There is no overlap of the POUs for these two water rights. No combined acre limits, diversion limits or volume limits are recommended.

Permit Conditions #1 through #10 are still appropriate and it is recommended they be included on the license.

The beneficial use field exam was performed late in the 2016 irrigation season and it is requested that additional information be allowed to be submitted to the Idaho Department of Water Resources pertaining to the diversion rate of this permit. It is proposed that a sight visit be performed by the beneficial field examiner during the months of May or June to document the diversion rate during the early part of the irrigation season.

By providing an early and late season diversion rate values, the Idaho Department of Water Resources can recommend the most accurate diversion rate for the license of 35-14243.



0 500 1,000 2,000 Feet

**FUNK, LANCE
PERMIT 35-14243
NAIP 2015 AERIAL**

Legend

-  Huse_WR_POD's
-  Main Line
-  Permit 35-14243

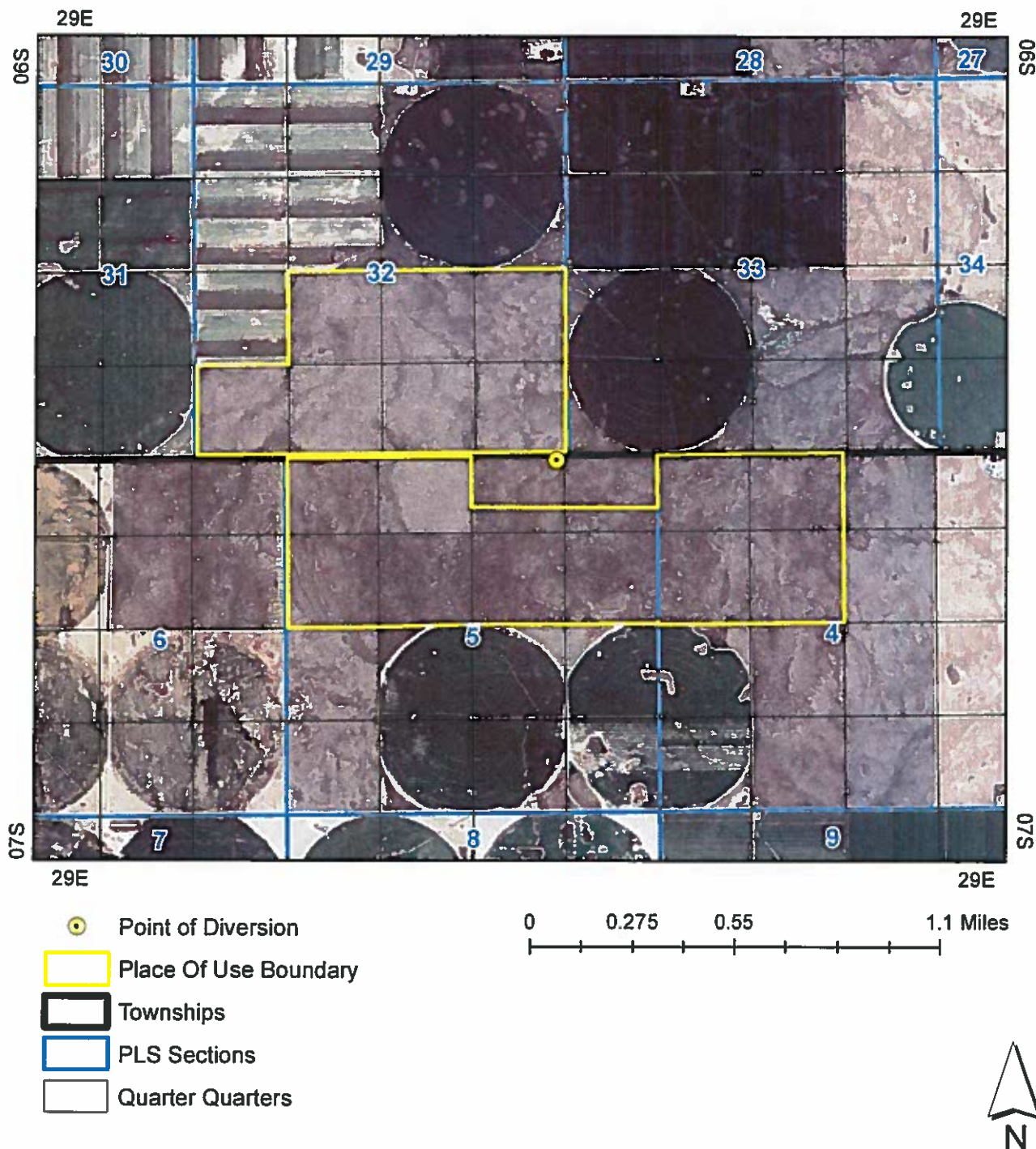
State of Idaho
Department of Water Resources

Permit To Appropriate Water

35-14243

IRRIGATION

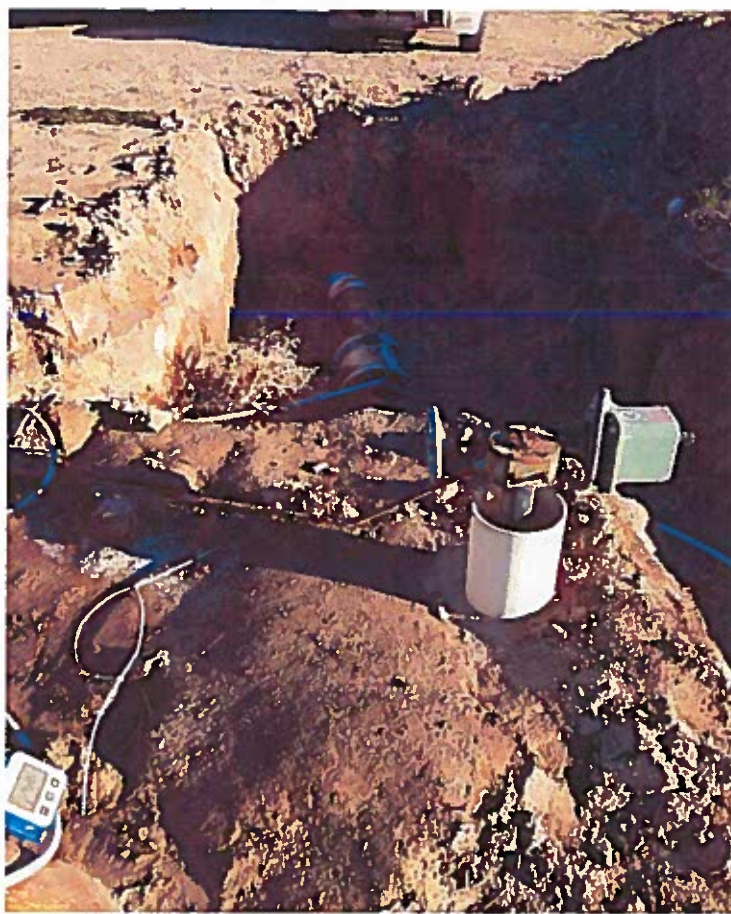
The map depicts the place of use for the water use listed above and point(s) of diversion of this right as currently derived from interpretations of the paper records and is used solely for illustrative purposes. Discrepancies between the computer representation and the permanent document file will be resolved in favor of the actual water right documents in the water right file.



Lance Funk
Water Right Permit 35-14243



Lance Funk
Water Right Permit 35-14243



Lance Funk
Water Right Permit 35-14243



Close

IDAHO DEPARTMENT OF WATER RESOURCES
Water Permit Report

6/27/2016

WATER RIGHT NO. 35-14243

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	LANCE AND/OR LISA FUNK PARTNERSHIP 2960 CEDAR LN AMERICAN FALLS, ID 83211 (208)226-9976
Representative	BROCKWAY ENGINEERING PLLC C/O GREG SULLIVAN 2016 N WASHINGTON ST STE 4 TWIN FALLS, ID 83301 (208)736-8543
Security Interest	RABO AGRIFINANCE INC 12443 OLIVE BLVD STE 50 ST LOUIS, MO 63141

Priority Date: 02/08/2012
Status: Active

<u>Source</u>	<u>Tributary</u>
GROUND WATER	

<u>Beneficial Use</u>	<u>From</u>	<u>To</u>	<u>Diversion Rate</u>	<u>Volume</u>
IRRIGATION	04/01	10/31	13.18 CFS	2636 AFA
Total Diversion			13.18 CFS	

Location of Point(s) of Diversion:

GROUND WATER|NENWNE Lt 2|Sec. 05|Township 07S|Range 29E|POWER County

Place(s) of use:

Place of Use Legal Description: IRRIGATION POWER County

Township	Range	Section	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres
06S	29E	32		NESW	40		SWSW	37		SESW	38			
				NESE	39		NWSE	40		SWSE	38		SESE	38
07S		4	3	NENW	33	4	NWNW	33		SWNW	40		SENW	40
		5	1	NENE	10.5	2	NWNE	10.5		SWNE	39		SENE	39
			3	NENW	33	4	NWNW	32		SWNW	39		SENW	40

Total Acres: 659

Conditions of Approval:

1. R05 Use of water under this right will be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No. 120.
2. 01J Prior to diversion of water under this right, the right holder shall install and maintain a flow meter measuring device and lockable controlling works of a type acceptable to the Department as part of the diverting works.
3. 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.
4. 051 The ground water diverted under this right is "trust water" as defined in the 1984 Swan Falls Settlement. Any license issued by IDWR pursuant to the right or portion thereof for the use of trust water is subject to a term review 5 years after the date of this approval to determine availability of water for the use and to re-evaluate the public interest at the end of the term.
5. 170 To mitigate for the depletion of water resulting from the use of water under this right and to prevent injury to senior water right holders, the right holder shall cease diverting and using water as authorized by the following water rights for the purposes and amounts specified below. Moreover, the official records for the following water rights will be changed to show that diversion and use of water is not authorized because the rights, or a portion thereof, are being dedicated to mitigation purposes. Use Changed Mitigation Mitigation Mitigation Right No. to Mitigation Rate (cfs) Volume (AF) Acres 35-14014 Industrial 4.44 3215.5 N/A 35-14015 Industrial 3.95 2858.3 N/A Combined Limit: 6073.8 If the specified mitigation rights, or portion thereof, are sold, transferred, leased, used on any place of use, or are not deliverable due to a shortage of water, a priority call, or a termination in lease contract then the amount of water

authorized for diversion under this right approval shall be reduced by the same proportion as the reduction to the mitigation rights.

In the event the right holder does not maintain the right to use water rights 35-14014 and 35-14015 for mitigation purposes, the right holder may propose a substitute mitigation plan.

6. The substitute plan must be provided to the Department no later than December 1st in the year immediately prior to the irrigation season where the substitute plan is proposed to be implemented. The Department will advertise the substitute plan to the public and the protestants shall have the right to challenge the substitute plan. If the substitute plan is not approved by the Department, the right holder shall not divert under this right.

7. By December 1st of each year, the right holder shall provide a written report to the Department describing the number and location of acres irrigated that year, the volume of water diverted under this right, the source of mitigation for the next irrigation season, and the number and location of acres proposed to be irrigated in the following year.

8. As resources allow, the Department will conduct at least one in-person field examination of the authorized place of use of this right each year to verify the required mitigation and authorized irrigation under this right prior to June 15th of each year. It shall be the responsibility of the right holder to follow up with the Department by June 15th of each year to determine if the field examination was performed. If the Department is unable to conduct the field examination for any reason, the right holder or its consultant shall perform the field examination and report findings from the field examination to the Department and the protestants to this right by July 15th of each year.

9. 020 The diversion and use of water described in this right may be subject to additional conditions and limitations agreed to by the protestant and the right holder under a separate agreement to which the Department is not a party. Because the Department is not a party, the Department is not responsible for enforcement of any aspect of the agreement not specifically addressed in other conditions herein.

10. 140 Noncompliance with any condition of this right, including the requirement for mitigation, is cause for the director to issue a notice of violation, cancel or revoke the right, or, if the right is included in a water district, request that the watermaster curtail diversion and use of water.

Dates:

Proof Due Date: 04/01/2017

Proof Made Date:

Approved Date: 03/03/2015

Moratorium Expiration Date:

Enlargement Use Priority Date:

Enlargement Statute Priority Date:

Application Received Date: 02/08/2012

Protest Deadline Date: 04/23/2012

Number of Protests: 7

Field Exam Date::

Date Sent to State Off:

Date Received at State Off:

Other Information:

State or Federal:

Owner Name Connector:

Water District Number: 120

Generic Max Rate per Acre: 0.02

Generic Max Volume per Acre: 4

Swan Falls Trust or Nontrust:

Swan Falls Dismissed:

DLE Act Number:

Cary Act Number:

Mitigation Plan: False

Close

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT1. WELL TAG NO. D D0059953

Drilling Permit No. _____

Water right or injection well # 35-14081 Trans# 770232. OWNER: Lance & Lisa Funk PartnershipName FunkAddress 2765 Fairgrounds RoadCity American Falls State ID Zip 83211

3. WELL LOCATION:

Twp. 7 North ☐ or South ☒ Rge. 29 East ☒ or West ☐Sec. 5 NE 1/4 NW 1/4 NE 1/4Gov't Lot _____ County PowerLat. 42 ° 50.905 (Deg. and Decimal minutes)Long. 113 ° 05.229 (Deg. and Decimal minutes)

Address of Well Site _____

(Give at least name of road + Distance to Road or Landmark) City American Falls

Lot _____ Blk. _____ Sub. Name _____

4. USE:

☐ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation ☐ Thermal ☐ Injection
☐ Other _____

5. TYPE OF WORK:

☒ New well ☐ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Mud Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft)	Placement method/procedure
Bentonite	0	38	2500lbs	Overbore

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded
20"	+2	38	.250	Steel	☒	☐	☐	☒

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N Method _____Manufactured screen ☐ Y ☒ N Type _____

Method of installation _____

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☒ N Type _____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft)	Placement method

11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) _____

Describe control device _____

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) _____ Static water level (ft) 480'

Water temp. (°F) _____ Bottom hole temp. (°F) _____

Describe access port Well Head

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)

Test method:

Pump ☐ Bailer ☐ Air ☐ Flowing artesian ☐

Water quality test or comments: _____

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
24"	0	24	Top Soil & Clay		X
24"	24	38	Solid Lava		X
20"	38	90	Solid Lava		X
20"	90	100	Fractured Lava		X
20"	100	135	Solid Lava		X
20"	135	150	Cinders & Fractured Lava		X
20"	150	170	Solid Lava		X
20"	170	175	Fractured Red Lava		X
20"	175	230	Solid Lava		X
20"	230	240	Soft Red Lava		X
20"	240	330	Solid Lava		X
20"	330	340	Broken Lava		X
20"	340	420	Tan Med. Hard Lava		X
20"	420	500	Solid Lava		X
20"	500	530	Fractured Lava		X
20"	530	580	Fractured Lava	X	
20"	580	600	Solid Lava	X	
20"	600	640	Solid w/frac. layers	X	

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JAN 27 2012

Department of Water Resources
Eastern RegionCompleted Depth (Measurable): 640'Date Started: 1-11-2012 Date Completed: 1-22-2012

14. DRILLER'S CERTIFICATION:

I/we certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Volmer Drilling Co. No. 383*Principal Driller _____ Date 1-25-12

*Driller _____ Date _____

*Operator [Signature] Date 1-25-12

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.