

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-09319
Exam Date: 9/13/2016

1. Current Owner:
LARRY PEAK PO BOX 405 SANDPOINT ID 83864 (208)255-6111

2. Accompanied by: Larry Peak

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 SE¼SW¼ Sec. 25, Twp 57N, Rge 03W, B.M. BONNER County

Method of Determination: Maps and GPS. POD location at 116° 38.618, 48° 15.188 (A0003212)

2.

PLACE OF USE: INDUSTRIAL

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
57N	03W	25												X					

Method of Determination: Google Earth and Arc map.

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 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
96-94-C-0155	FRANKLIN	10			

*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
SENSUS	FLOWMETER					

2. Measurements: FLOW MEASUREMENT WAS PERFORMED USING METER ON SYSTEM.

70GPM MEASURED IN 60 SECONDS WHICH IS EQUAL TO 0.16 CFS.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

2. Volume Calculations for Other Uses: 20 DAYS X 8 HOURS = 160 OPERATING HOURS

70 GPM X 60 MINUTES = 4,200GPH

4,200 X 160 HOURS = 672,000 GPY / 325,850 GAL/AF = 2.1 ACRE FEET

G. NARRATIVE/REMARKS/COMMENTS

Original field exam was performed on 9/13/2016 with Mike Peak the applicant's son. Exam was performed while crushing was not occurring and most of the equipment was not on location. Exam showed well had a 10hp pump with no space for a flow meter measurement. I took as many notes about system as possible to try to license during the winter. Examining the file during the winter, I realized I did not have enough information to justify a diversion rate or annual volume. On 4/4/2017 I sent a letter to applicant requesting more information about the system. Applicant responded on 4/17/2017 with a diagram of system and stated that they would be installing a measuring device within two weeks.

On 5/8/2017 I contacted Larry Peak about the meter and if the system was in operation. He said they had already finished the rock crushing for the year, but he could turn the water on and explain the system. We scheduled the re-exam for the following day 5/9/2017. The re-exam showed Mr. Peak had a Sensus Flow Meter installed on system. He opened up a valve on the outside of the pump house and turned off the pressure tanks and turned on the well. Flow rate was measured at 70gpm. He explained that was the maximum the well could produce without pumping sediment and sand through the system.

I will try to explain the system the best I can in this narrative.

Water from the well was pumped underground to a storage tank. Once the tank was full, the crushing would begin and water would be pumped from tank at about 900gpm. Water was recycled through various processes and reused in the washing process. Mr. Peak said well would run continuously during the washing process to provide enough water for losses during the process. Water recycling included a screw that separated minerals from the water that looked like sand, a clarifier to separate mud, and a settling pond.

When asked about how long the system ran, Mr. Peak answered only 20 days per year. The plant would only operate 20 days and each day was an 8 hour shift. 160 operating hours times the well's 4,200gph is equal to 672,000gpy or 2.1 acre feet. License 96-9342, also in the Larry Peak's name is for the adjacent concrete plant and has a separate point of diversion and no overlap. License will be issued for 0.16cfs with an annual volume of 2.1 acre feet.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
INDUSTRIAL	01/01 to 12/31	0.16 CFS	2.1 AF
<u>Totals:</u>		0.160 CFS	2.10 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

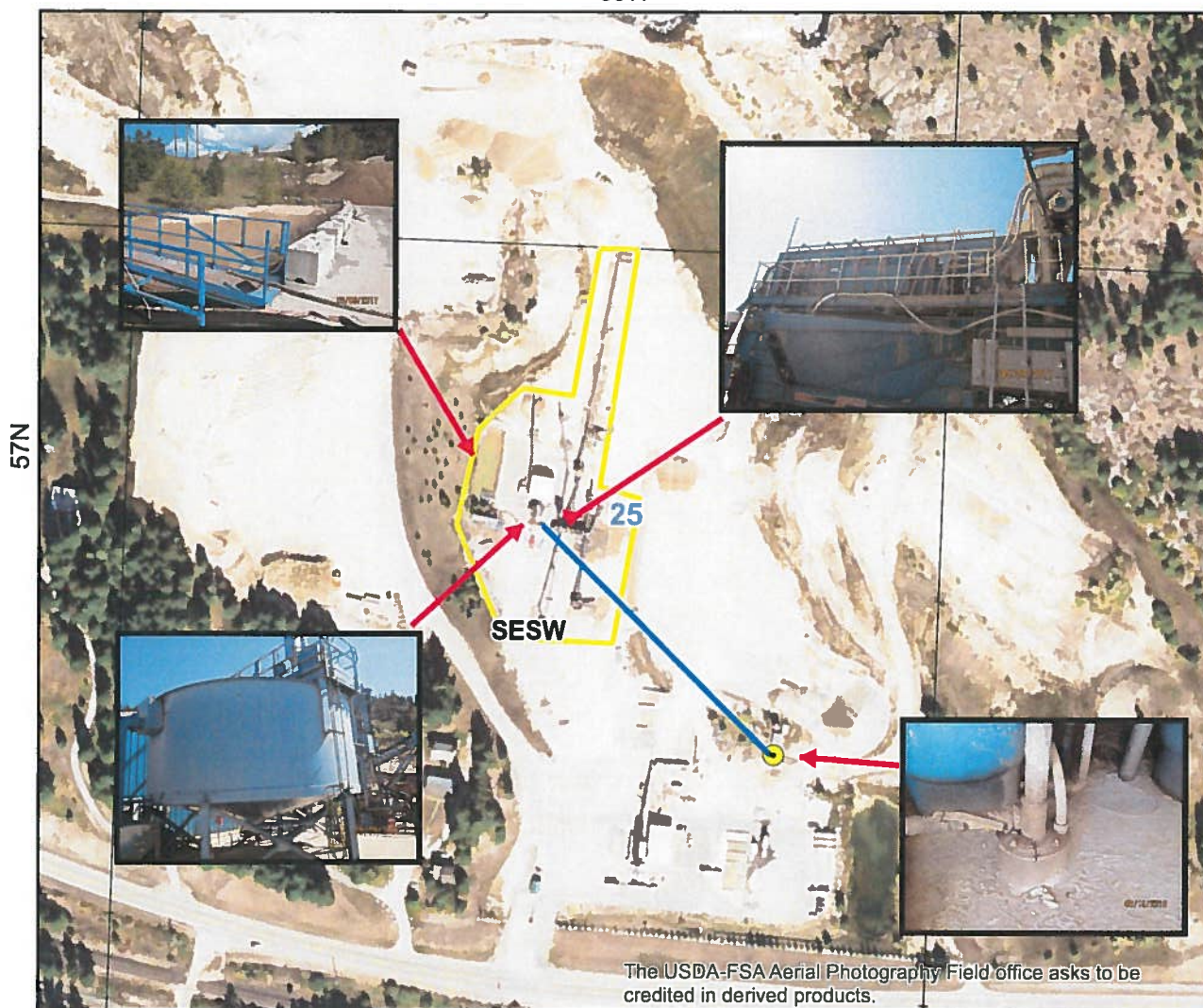
Field Examiner's Name Adam Friesch Date 5-10-2017

Reviewer Morgan Case Date 6/12/2017

State of Idaho
Department of Water Resources
Attachment to Field Exam
96-9319

SYSTEM DIAGRAM

03W



0 0.035 0.07 0.14 Miles

- Point of Diversion
- Place Of Use Boundary
- Townships
- PLS Sections

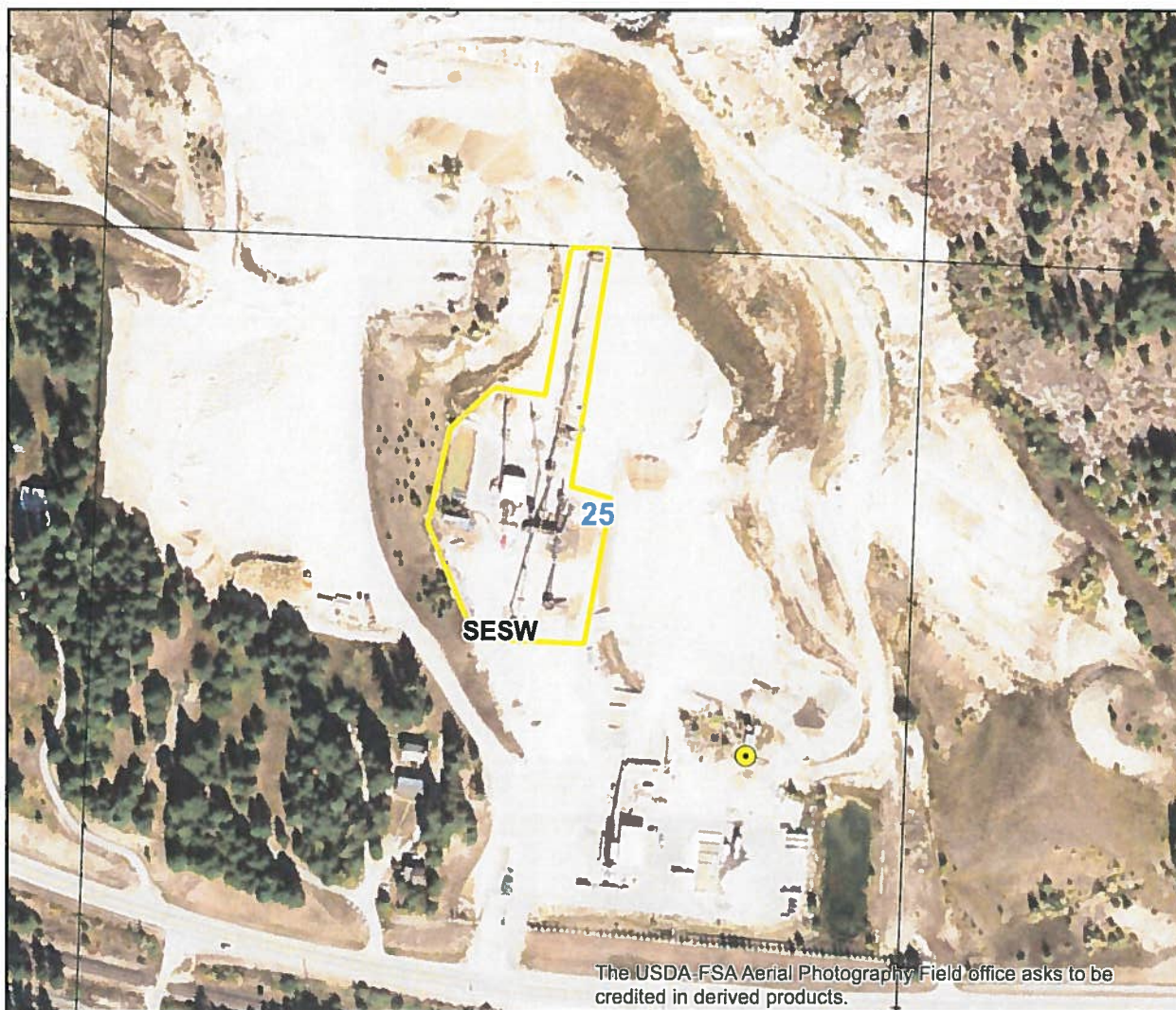
N
SCANNED
JUN 14 2017

State of Idaho
Department of Water Resources
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96-9319

INDUSTRIAL

03W

57N



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections

0 0.035 0.07 0.14 Miles


N
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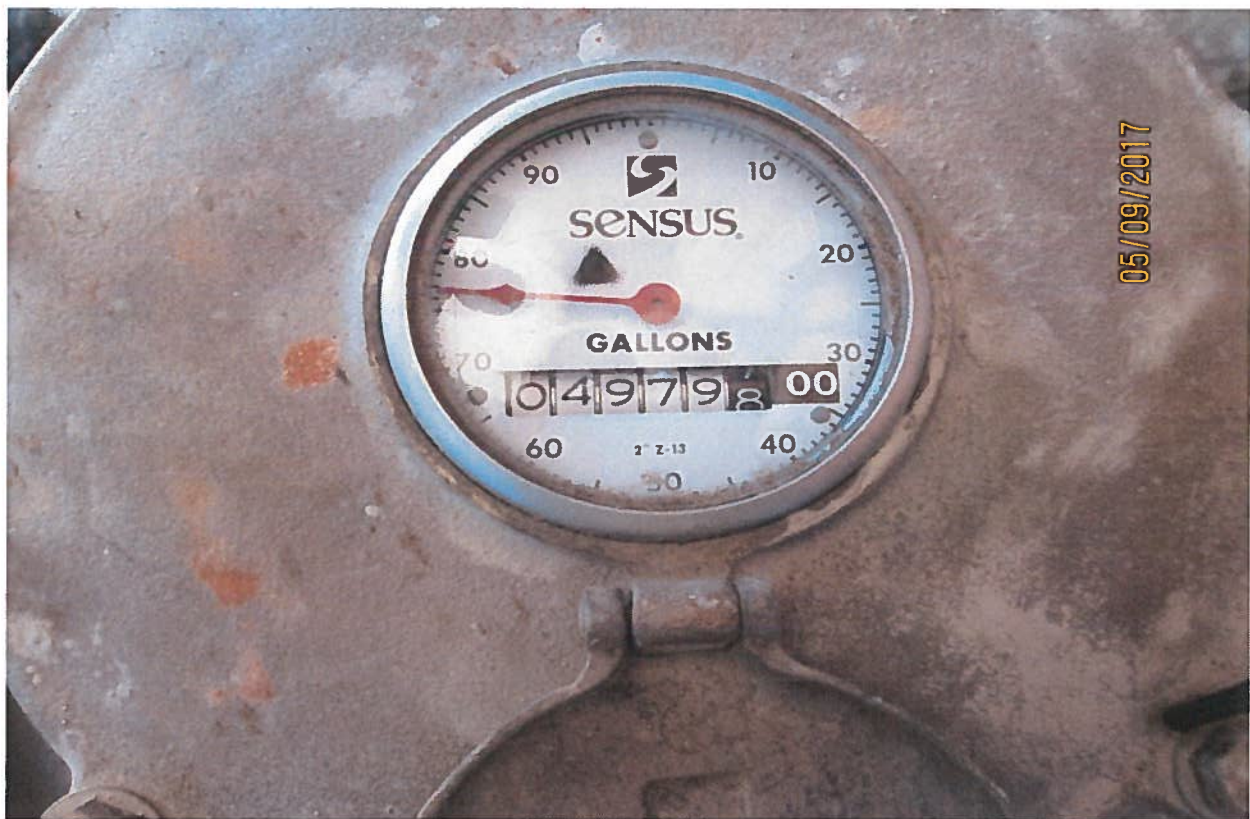
Pump house.



Well 96-94-C-0155, given IDWR tag A0003212.



Franklin 10hp pump in well.



Letter sent to applicant to provide further information after initial exam. Re-exam performed to confirm diversion rate with new meter applicant had installed. Flow rate at 70gpm.



Water pumped from well to this holding tank where water was used for spraying gravel.

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Wash plant.





Water cleaning device that separates sand, mud, and other materials from water.



Asphalt lined settling pond.



April 17, 2017

Adam Frederick
Senior Water Resource Agent
State of Idaho
Department of Water Resources
Northern Region
7600 N. Mineral Drive, Suite 100
Coeur d 'Alene, Idaho 83815-7763

DELIVERED VIA FAX (208) 762-2819

Adam,

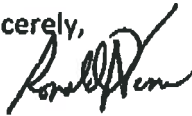
We have received your letter of April 4, 2017 regarding Permit – 96-9319 and attached your letter to this fax.

Following are responses to your requested items:

1. We will install a meter before the end of April.
2. See Diagram attached.
3. Not Applicable

If you need any further information, please feel free to contact me.

Sincerely,

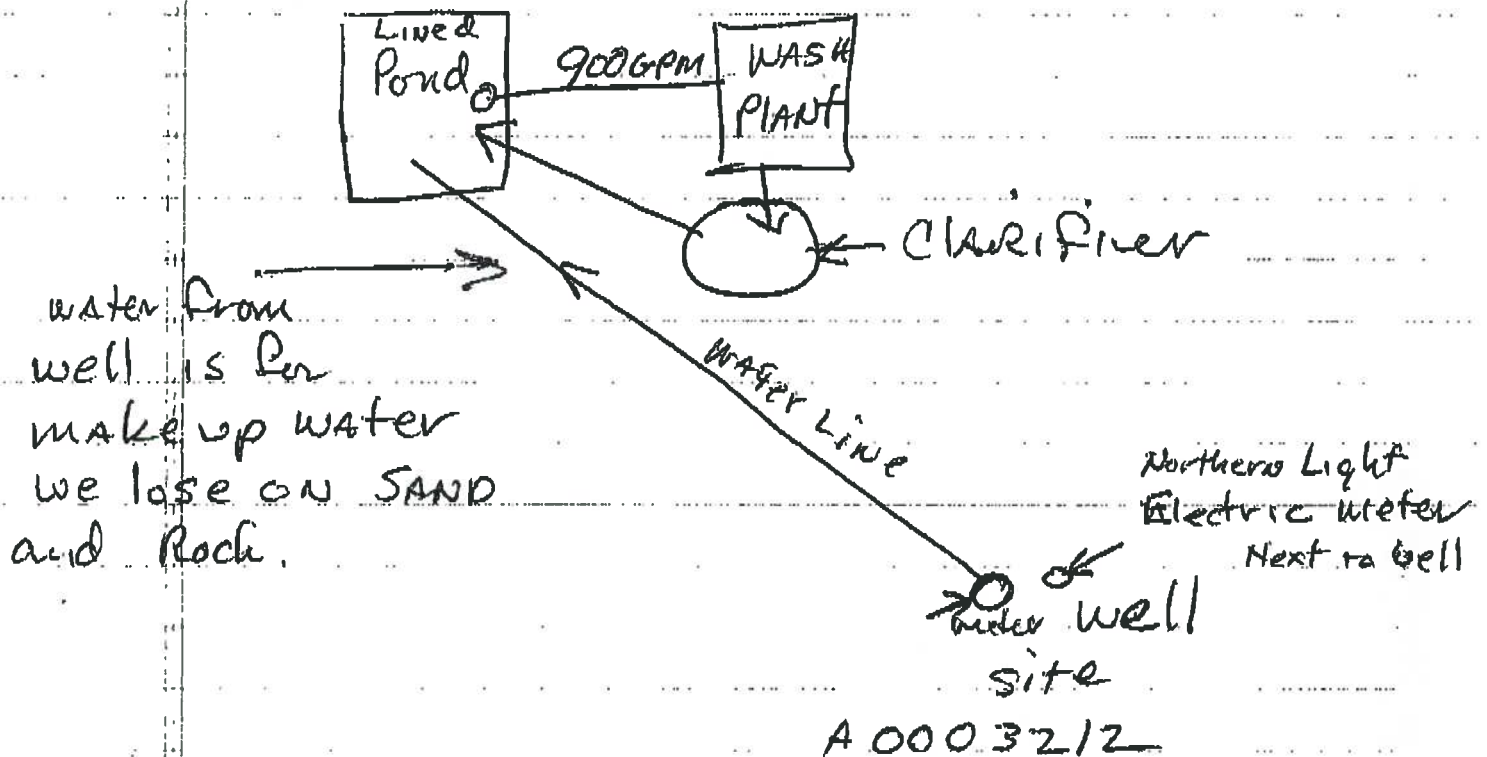


Ronald D. Venn
Controller
Peak Sand & Gravel, Inc.

SCANNED

JUN 14 2017

Recycle our water





State of Idaho

DEPARTMENT OF WATER RESOURCES

Northern Region • 7600 N. Mineral Drive, Suite 100 • Coeur d'Alene, Idaho 83815-7763
Phone: (208) 762-2800 • Fax: (208) 762-2819 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

April 4, 2017

LARRY PEAK
PO BOX 405
SANDPOINT ID 83864

RE: Additional Information Request for Permit 96-9319

Dear Mr. Peak:

On March 13, 2007, you filed an application for permit to appropriate water for an industrial use in the SESW $\frac{1}{4}$ of Section 25, Township 57 North, Range 3 West. The application was approved and water right permit 96-9319 was issued on June 20, 2007. On April 26, 2010, you filed a proof of beneficial use statement claiming that you developed the industrial use under water right permit 96-9319.

I am now trying to verify the water use under 96-9319, and license this water right permit. I will need the following items if available:

1. We will need a pump curve showing the maximum diversion rate from the well.
2. We will need a diagram or schematic of the rock crushing equipment and how water is used during the processing of gravel.
3. We will need to know how much water is used while operating the equipment so we can provide an annual volume on license. This can be determined if we know what size spray nozzles, how many there are, and at what psi it is being run at. We can also determine this if there is a meter on the system or by using power bills to determine how long the pump was running.

If I do not receive the requested information from you within thirty (30) days, I will take action to void your permits under the provision of Section 42-219(8) of the Idaho Code.

Should you have any questions, please contact me at 208-762-2800.

Respectfully,

Adam Frederick
Senior Water Resource Agent

Enclosure(s): Permit – 96-9319

SCANNED
JUN 14 2017