

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-10324

Exam Date: 8/24/2012

1. Current Owner: KEITH MC REYNOLDS
PO BOX 161
WHITE BIRD ID 83554

And/Or

CLARENCE D MC REYNOLDS
PO BOX 161
WHITE BIRD ID 83554-0161
(208)839-2265

And/Or

CARL I MC REYNOLDS
PO BOX 161
WHITE BIRD ID 83554
(208)839-8265

And/Or

MICHAEL C MC REYNOLDS
PO BOX 161
WHITE BIRD ID 83554

And/Or

S L WALKER
PO BOX 161
WHITE BIRD ID 83554

2. Accompanied by: CLARENCE MCREYNOLDS

Phone No:

Address:

Relationship to Permit Holder: SAME

3. SOURCE

FALL CREEK

TRIBUTARY

GRANITE CREEK

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 SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

FALL CREEK L8 SW1/4SW1/4 Sec. 16, Twp 07N, Rge 04E, B.M. BOISE County

Method of Determination: *topo map*2. **PLACE OF USE:** MINING

TwpRge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
07N04E 16											X						

Method of Determination:

3. SEE AERIAL AND PHOTOS Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- AERIAL 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.

<u>Well or Diversion</u>				<u>Pump Serial No. or Discharge</u>	
<u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Size</u>
POD [PUMP # 1]	200 TYNNAN	6.5	N/A – NOT ON FACEPLATE	UNKNOWN	
POD – [PUMP #2]	UNKNOWN	6.5	UNKNOWN	UNKNOWN	

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

D. **FLOW MEASUREMENTS**

1.

<u>Measurement</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
<u>Equipment</u>						

2. Measurements: NONE TAKEN

E. **FLOW CALCULATIONS** Additional Computation Sheets Attached

Measured Method:

1] pump curve provided: Pump rated at a MAXIMUM flow 80 gpm = 80/448.8 = 0.178 cfs per pump x 2 pumps = 0.357 = 0.36 cfs

2] theoretical calculation: z = 40', the vertical lift from Fall Creek to the processing station, 2 pumps = 6.5 hp, 30 psi [though open discharge, these are high pressure pumps].

$$\frac{[8.8][6.5][.7]}{40 + [30] [2.31]} = \frac{40.04}{109.3} = 0.37\text{cfs} \times 2 \text{ pumps} = 0.74 \text{ cfs}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: NOT APPLICABLE

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

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

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

2. Volume Calculations for Other Uses: MINING

$$V_{I.R.} = \frac{(0.36 \text{ CFS}) \times (448.8 \text{ GPM PER CFS}) (60 \text{ MINUTES PER HOUR}) (5 \text{ HOURS PER DAY}) (214 \text{ DAYS PER YR})}{325,850}$$

$$= \frac{10372665.6}{325,850} = 31.83 \text{ AFA} = 31.8 \text{ AFA}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days used}) \times 1.9835 = 0.36 \times 214 \times 1.9835 = 152.81 = 152.8 \text{ afa}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 31.8 \text{ afa}$$

G. NARRATIVE/REMARKS/COMMENTS

This permit was issued for mining uses in the upper Boise River basin. The correct fee was paid. Mr. Clarence McReynolds and his brother, Gary, accompanied me on the field exam. The permittees have a plan of operation on file with the USFS and have been working with the USFS to submit a new plan of operation which will allow them to develop a larger mining operation. The claims are referred to as the Olsen claim no. 177503 and the Little Mac claim no. 177518. The McReynolds provided documentation from the USFS of development before the b/u due date.

The application states that the point of diversion is right on the QQ lines so both QQs are listed. However, the POD is in the SWSW so the POD in the NWSW can be eliminated.

There are two high pressure gasoline pumps that divert from Fall Creek. The pumps are located on a steep grade, about 6 feet from the creek. A wood plank, stabilized by concrete blocks, holds the pumps. The pumps are 6.5 hp. There is a faceplate near the bottom of one pump, but it was not accessible due to the steep grade. The other pump has a 200 Tynnan motor but no pump information. The pumps divert water from the stream through 2 inch hoses. From the pumps, there are two 1.5 inch diameter plastic pipes from one of the pumps, and one 1.5 inch diameter pipe from the second pump, that carry water approximately 200 feet to the processing plant. There is about a 40 foot change in elevation between the POD on the creek and the processing plant. The permittee stated that in the past they have used up to 760 gpm which equates to 1.7 cfs. This diversion rate exceeds the permitted rate of 1 cfs. However, they changed pumps and reconfigured the system. Gary McReynolds stated the pump company sized the pumps for 1 cfs.

The processing plant is a large, 3 foot in diameter, trommel, constructed by Clarence McReynolds. Water is pumped from Fall Creek, to the large trommel to wash the gold mine tailings, and then to the settling pond. The pumps are run separately or together. Water and tailings in the settling pond are sometimes recirculated by a pump located on the pond and washed again.

Mr. McReynolds stated that the amount of time the pumps run for mining activities at this site varies. Average use is reported to be 5 hours a day, 6 days a week. The same equipment is used for mining permit 63-10325, being licensed concurrently.

I calculated theoretical flows and used 40 feet as the Z because it is the change in grade between the POD on Fall

Creek and the processing plant. Although it is standard to use 10 psi in open discharge systems, I used a pressure of 30 psi because these are high pressure pumps. The calculations yielded 0.37 cfs for a total flow from both pumps of 0.74 cfs.

The permittees provided a pump curve from Valley Pump for the 2 pumps. Valley pump indicated that the pumps are Bafco part no. LTF2 high pressure pumps. The pump curve showed that the maximum flow from these pumps are 80 gpm or 0.17 cfs at about 50 feet of total head. There is the memo in the file regarding my conversation with X-cad, the company who provided the pumps. The maximum flow for both pumps is 0.36 cfs. The pump curve is more accurate, and I cannot accurately calculate TDH, so I recommend licensing 0.36 cfs.

Volume was calculated using 0.36 cfs pumped for 5 days a week for the 214 days in the standard season of use for a total annual volume of 31.8 afa. This is the lesser of the V ir and V dr volumes calculated and is recommended for licensing.

I corresponded with the Watermaster about the measuring device condition. Emails are in the file.

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

01E should be replaced with R43

Add X35 - rights are limited to a total combined diversion rate of 0.36 cfs and to a total combined annual diversion volume of 31.8 AF. Combined Right Nos.: 63-10324 and 63-10325.

H. RECOMMENDATIONS

- 1) Permit amount 1 cfs
- 2) Beneficial use limit n/a cfs
- 3) System measurement 0.36 cfs
- 4) Proof fee amount 1 cfs

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
MINING	04/01 to 10/31	0.36 CFS	31.8 AF
	<u>Totals:</u>	0.36 CFS	31.8 AF

2. Recommended Amendments

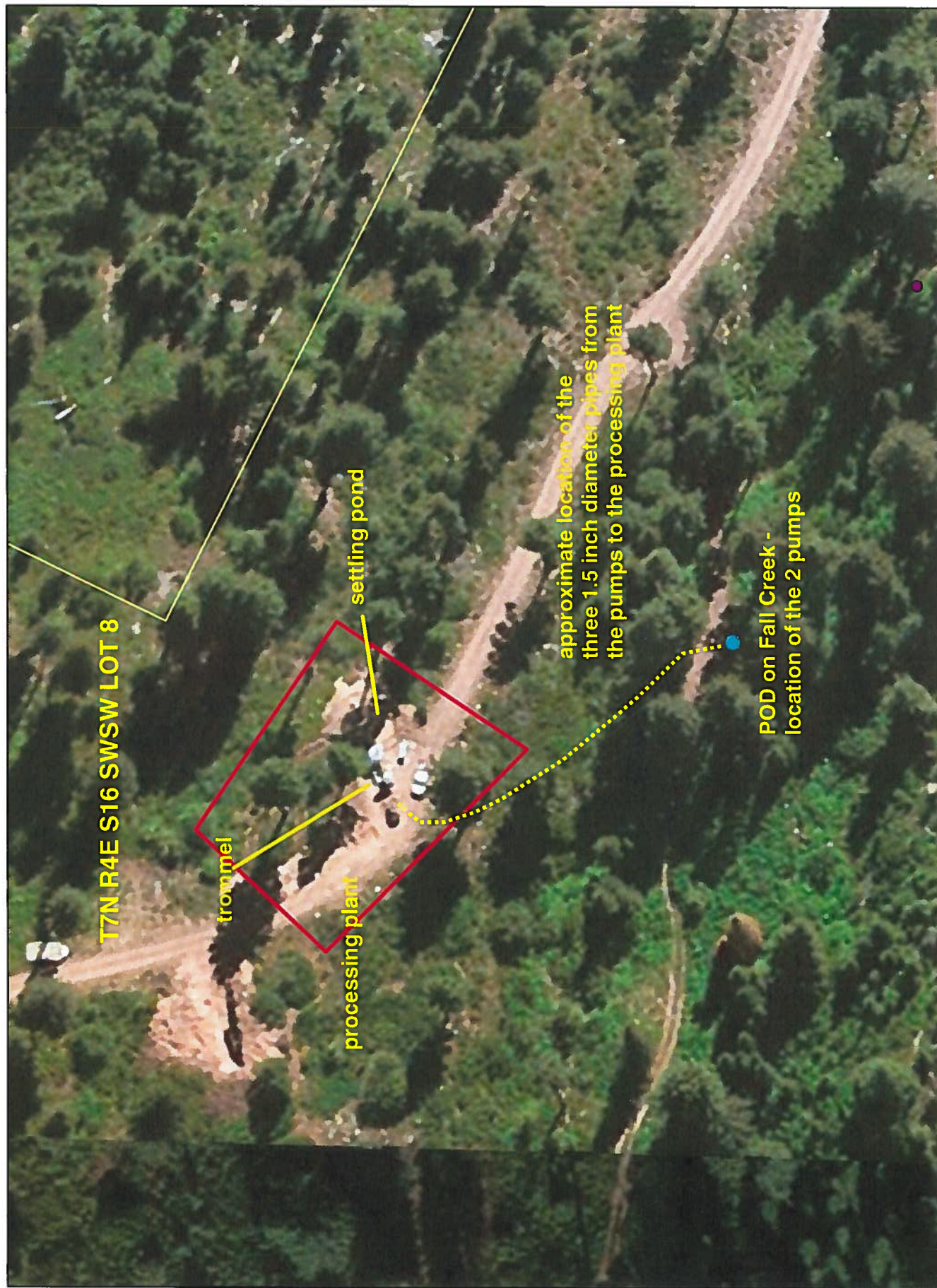
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Wesley Umic Date 12-17-12

Reviewer _____ Date _____



PHONE MEMO

TO: LICENSING FILE NOS. 63-10324 AND 63-10325
FROM: VICKY MUSIC
SUBJECT: PUMPS AND FLOWS
DATE: 12/17/2012
CC:

The permittees represented to me that their 2 pumps [that they use for both permits at 2 different sites] were sized to provide 450 gpm, or 1 cfs. The pump contractor is Bafscos - J.A. Fischer Sales co. The permittees provide a pump curve for their pumps, Part No. LTF2, 6.5 hp, 2" high pressure pumps, however, the pump curves indicates that the pumps are not capable of providing 1 cfs of water.

Both Steve L and I called Bafscos. I called today to find out more detailed specs about the pumps and the operating pressures, etc. Bafscos could not answer my question and referred me to Don at X-Cad, the company that provides the pumps.

Don said there is no way that these pumps, even with both operating, could produce 1 cfs. The pump is rated for a maximum 80 gpm. I described the applications to Don. He said that with a 40 foot elevation difference, like that found at the 63-10324 site, the minimum head is 92.4 and the maximum flow is about 70 gpm.

Don said that for the 0 TDH situation at 63-10325, this pump is not the correct pump, but could provide more water than at the Fall Creek site.

He stated that at the maximum TDH of approx. 180 feet, for which the pump is rated, the pressure is 82 psi.

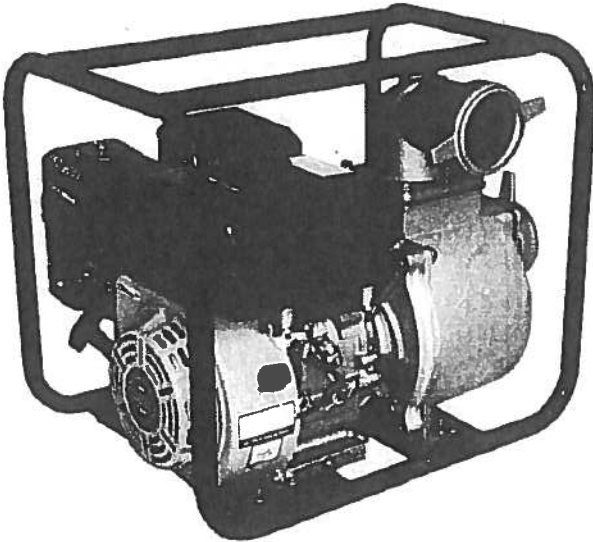
For licensing of each right, I will use the maximum flow from the pump curve of 80 gpm or total flow of 0.36 cfs for both pumps.

BAFSCO**B.A. FISCHER SALES CO., INC.**

2178 Centurion Place • Boise, ID 83709 • 888.375.1411 • 208.375.1411 • Fax: 208.375.8022 • www.bafscsco.com

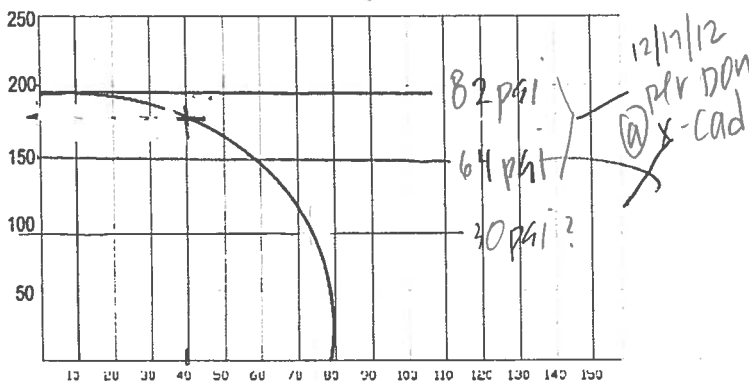
Effective 2/1/12

Gasoline Powered Transfer Pumps



Transfer Pumps

Part No.	Description	Size	List Price
TP2	2" Transfer Pump	6.5hp	370.00
LTF2	2" High Pressure Pump	6.5hp	512.50
TP3	3" Transfer Pump	6.5hp	395.00
TP4	4" Transfer Pump	9.0hp	863.30
LTWT3	3" Trash Pump	9.0hp	986.60

2" HIGH PRESSURE PUMP LTF2

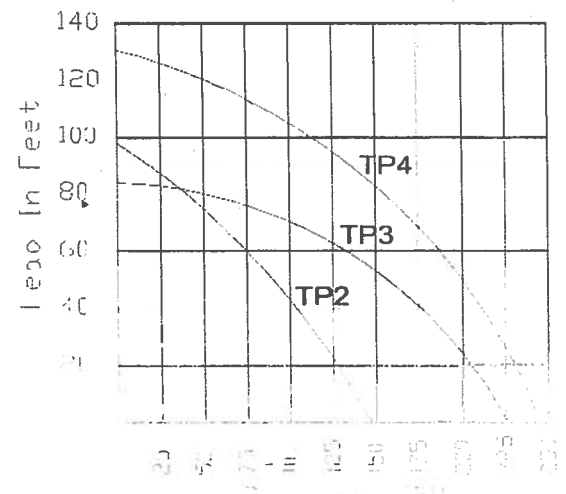
Air Cooled 4-stroke OHV with
Transistorized Ignition, Recoil Start and
Cast Iron Cylinder Sleeve

Pressure Cast Aluminium Pump Body

High Quality, Mechanically Sealed Equipment

NPT INLET/OUTLET THREADING

PUMP	TP2	TP3	TP4
Suction	2"	3"	4"
Discharge	2"	3"	4"
Cont. capacity GPM	96	138	171
Max. capacity GPM	150	270	290
Max. head (ft)	91	82	131
Cont. head (ft)	49	42	60
Max. suction head (ft)	26	26	26



\$2500/ACRE AVERAGE BOND: LETTER OF CREDIT
1/4 ACRE \$600.00
CHARLIE SWEARINGEN 392-6681

FS-2800-5 (7/95)
OMB NO. 0596-0022
EXPIRES: 07/31/98

USDA, Forest Service

PLAN OF OPERATIONS FOR MINING ACTIVITIES
ON NATIONAL FOREST LANDS

Submitted by Clare McReynolds owner
Signature Title Date

Plan Received by CHARLIE SWEARINGEN RAKE TECH 7/14/00
Signature Title Date

I. GENERAL INFORMATION

- A. Name of Mine/Project FALL CREEK EXPLORATION
- B. Type of Operation EXPLORATION
(lode, placer, mill, exploration, development, production, other)
- C. Is this a (new/continuing) operation? (CIRCLE ONE)
If continuing a previous operation, this plan (replaces/modifies/supplements) a previous plan of operation.
(CIRCLE ONE)
- D. Proposed start-up date of operation JULY 15-2000
- E. Expected total duration of this operation _____
- F. If seasonal, expected date of annual reclamation/stabilization close-out SEPT 30-2000
- G. Expected date for completion of all required reclamation SEPT 30 2000

II. PRINCIPALS

- A. Name, address and phone number of operator CLARENCE McREYNOLDS
6161 White Bird TP 83554 - 208-839-2265
- B. Name, address and phone number of authorized field representative (if other than the operator). Attach authorization to act on behalf of operator.
DALE McREYNOLDS P.O. Box 444 HORSESHOE BEND ID 8361
793-2854
- C. Name, address and phone number of owners of the claims (if different than the operator):
CLARENCE McREYNOLDS

(If more space is needed to fill out a block of information, use additional sheets and attach to form.)

- D. Name, address and phone number of any other lessees, assigns, agents, etc., and briefly describe their involvement with the operation, if applicable:

III. PROPERTY OR AREA

Name of claim, if applicable, and the legal land description where the operation will be conducted.

MC #	Name	Section	Township	Range
177503	Olsen	16	7N	4E

IV. DESCRIPTION OF THE OPERATION

- A. **Access.** Show on a map (USGS quadrangle map or a National Forest map, for example) the claim boundaries, if applicable, and all access needs such as roads and trails, on and off the claim. Specify which Forest Service roads will be used, where maintenance or reconstruction is proposed, and where new construction is necessary. For new construction, include construction specifications such as widths, grades, etc., location and size of culverts, describe maintenance plans, and the type and sizes of vehicles and equipment that will use the access routes.

Access via Forest Road #343

- B. **Map, Sketch or Drawing.** Show location and layout of the area of operation. Identify any streams, creeks or springs if known. Show the size and kind of all surface disturbances such as trenches, pits, settling ponds, stream channels and run-off diversions, waste dumps, drill pads, timber disposal or clearance, etc. Include sizes, capacities, acreage, amounts, locations, materials involved, etc.

(If more space is needed to fill out a block of information, use additional sheets and attach to form.)

- C. **Project Description.** Describe all aspects of the operation including mining, milling, and exploration methods, materials, equipment, workforce, construction and operation schedule, power requirements, how clearing will be accomplished, topsoil stockpiled, waste rock placement, tailings disposal; proposed number of drillholes and depths; depth of proposed suction dredging, and how gravels will be replaces, etc. Calculate production rates of ore. Include justification and calculations for settling pond capacities and, the size of runoff diversion channels.

Test holes 8 ft X 8 ft 16 ft Deep
Holes will Be in old Mine tailings
will Be Filled in after testing

Will NOT IMPACT MORE THAN 1/4 ACRE AT ANY
TIME. RECLAMATION WORK WILL BE COMPLETED AND
APPROVED BY THE FOREST REPRESENTATIVE PRIOR
TO WORKING ON THE NEXT 1/4 ACRE SECTION

(If more space is needed to fill out a block of information, use additional sheets and attach to form.)

- D. **Equipment and Vehicles.** Describe that which is proposed for use in your operation (Examples: drill, dozer, wash plant, mill, etc.). Include: sizes, capacity, frequency of use, etc.

Mini excavator TB35
SLUICE BOX (2ft X 4ft) WITH A SHAKER

- E. **Structures.** Include information about fixed or portable structures or facilities planned for the operation. Show locations on the map. Include such things as living quarters, storage sheds, mill buildings, thickener tanks, fuel storage, powder magazines, pipe lines, water diversions, trailer, sanitation facilities including sewage disposal, etc. Include engineering design and geotechnical information for project facilities, justification and calculations for sizing of tanks, pipelines and water diversions, etc.

~~House~~
CAMPER TRAILER - 18 ft

V. ENVIRONMENTAL PROTECTION MEASURES (SEE 36 CFR 228.8)

- A. **Air Quality.** Describe measures proposed to minimize impacts on air quality such as obtaining a burning permit for slash disposal or dust abatement on roads.

N/A

(If more space is needed to fill out a block of information, use additional sheets and attach to form.)

B. **Water Quality.** State how applicable state and federal water quality standards will be met. Describe measures or management practices to be used to minimize water quality impacts and meet applicable standards.

1. State whether water is to be used in the operation, and describe the quantity, source, methods and design of diversions, storage, use, disposal, and treatment facilities. Include assumptions for sizing water conveyance or storage facilities.
2. Describe methods to control erosion and surface water runoff from all disturbed areas, including waste and tailings dumps.
3. Describe proposed surface water and groundwater quality monitoring, if required, to demonstrate compliance with federal or state water quality standards.
4. Describe the measures to be used to minimize potential water quality impacts during seasonal closures, or for a temporary cessation of operations.
5. If land application is proposed for waste water disposal, the location and operation of the land application system must be described. Also describe how vegetation, soil, and surface and groundwater quality will be protected if land application is used.

SETTLING PONDS AS PRESCRIBED BY FOREST SERVICE

C. **Solid Wastes.** Describe the quantity and the physical and chemical characteristics of solid waste produced by the operation. Describe how the wastes will be disposed of including location and design of facilities, or treated so as to minimize adverse impacts.

1) NO CHEMICALS

2) OVERBURDEN WILL BE USED TO FILL THE PROSPECT HOLES.

D. **Scenic Values.** Describe protection of scenic values such as screening, slash disposal, or timely reclamation.

N/A

(If more space is needed to fill out a block of information, use additional sheets and attach to form.)

- E. **Fish and Wildlife.** Describe measures to maintain and protect fisheries and wildlife, and their habitat (includes threatened, endangered, and sensitive species) affected by the operations.

KEEP OPERATIONS LIMITED IN SIZE AND NO WORK
WILL OCCUR WITHIN RIPARIAN AREA.

- F. **Cultural Resources.** Describe measures for protecting known historic and archeological values, or new sites in the project area.

AS PRESCRIBED BY FOREST SERVICE

- G. **Hazardous Substances.**

1. Identify the type and volume of all hazardous materials and toxic substances which will be used or generated in the operations including cyanide, solvents, petroleum products, mill, process and laboratory reagents.

NONE

2. For each material or substance, describe the methods, volume, and frequency of transport (include type of containers and vehicles), procedures for use of materials or substances, methods, volume, and containers for disposal of materials and substances, security (fencing), identification (signing/labeling), or other special operations requirements necessary to conduct the proposed operation.

WOULD LIKE TO LOCK FOREST SERVICE GATE FOR
PROTECTION OF THE MINING EQUIPMENT.

(If more space is needed to fill out a block of information, use additional sheets and attach to form.)

3. Describe the measures to be taken for release of a reportable quantity of a hazardous, or the release of a toxic substance. This includes plans for spill prevention, containment, notification, and cleanup.

ONLY GASOLINE IN 5 GAL CONTAINERS WILL BE
ON THE SITE.

- H. **Reclamation.** Describe the annual and final reclamation standards based on the anticipated schedule for construction, operations, and project closure. Include such items as the removal of structures and facilities including bridges and culverts, a revegetation plan, permanent containment of mine tailings, waste, or sludges which pose a threat of a release into the environment, closing ponds and eliminating standing water, a final surface shaping plan, and post operations monitoring and maintenance plan.

1) REFILL PROSPECT HOLES AND RECONTOUR

2) GRASS SEED WITH WEED FREE FOREST SERVICE APPROVED
GRASS SEED MIX.

3) A BOND IN THE AMOUNT OF \$600.00 (1/4 ACRE OR
LESS) WAS SUBMITTED ON 4/14/00

VI. FOREST SERVICE EVALUATION OF PLAN OF OPERATIONS

- A. Required changes/modifications/special mitigation for plan of operations: _____

(If more space is needed to fill out a block of information, use additional sheets and attach to form.)

Music, Vicky

From: Rex Barrie [waterdistrict63@qwestoffice.net]
Sent: Thursday, October 25, 2012 7:34 AM
To: Music, Vicky
Subject: RE: mining permits on Fall and Ophir Creeks

Vicky,

I guess we could use that for administration as long as it is a small amount bring diverted. If there was a permit issued for large amounts of water I think the condition for lockable and measuring should still be included. I do not recall that these permits require the purchase of Rental Pool water to protect senior water rights. That needs to be a condition in all mining permits.

Rex R. Barrie
Boise River Watermaster

From: Music, Vicky [<mailto:Vicky.Music@idwr.idaho.gov>]
Sent: Wednesday, October 24, 2012 1:28 PM
To: Rex Barrie
Subject: mining permits on Fall and Ophir Creeks

Hi Rex –

I have 2 mining permits for the McReynolds family, 63-10324, a Fall Creek diversion, and 63-10325, an Ophir Creek diversion. The Fall Creek permit is about 2 miles west of Placerville and the Ophir Creek diversion is about 1.5 mile east of Placerville. Both permits are for 1 cfs and have a measuring device condition. Attached are maps and the application/permit for each. [These were permitted at a time when the permit was a copy of the application with conditions, etc].

The permittees have two 6.5 hp pumps with a total of 3 1.5" plastic pipe through which they pump water to the processing plants. They move the pumps and the processing plants from site to site. They have not installed measuring devices. Based on my calculations, the diversion rate is between .6 and about 1 cfs. The annual volume is about 57 afa.

My question is, do you think it is adequate protection in this upper basin when licensing to change the measuring device requirement to "on request" if IDWR limits the 2 permits to a combined limit of 1 cfs and the mining operation to 1 site at a time?

Thank you.

Vicky Music
Sr. Water Resource Agent
IDWR Western Region
2735 Airport Way
Boise, ID 83705
208.334.2190



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

August 16, 2012

*Date wrong -
I did not change it
when I composed
2nd letter*

CLARENCE D MC REYNOLDS
CARL I MC REYNOLDS
MICHAEL C MC REYNOLDS
KEITH MC REYNOLDS
S L WALKER
PO BOX 161
WHITE BIRD, ID 83554-0161

Re Permit Nos. 63-10324 and 63- 10325

Dear Permittees:

Clarence and Gary, thank you for accompanying me on the field exams of these permit on August 24, 2012. You should receive the license in the next few months.

During the field exams, you mentioned that you were in the process of modifying your plans of operation with the USFS. Your proposed modifications will be for a larger mining operation. You also mentioned that the pumps flows that you have used in the past were 760 gpm, which equated to 1.7 cfs. If true, the system is diverted more than the authorized diversion rate of 1.0 cfs. Though I did not take a measurement during the field exams, I calculated the diversion rate and obtained a result of 1.13 cfs.

The sources of these permits are Fall Creek, a tributary of Granite Creek, and Ophir Creek which is a tributary of Wolf Creek, in the upper Boise River basin. Water is considered to be fully appropriated in the upper basin and there is a long history of water disputes. Therefore, it is very important that the system does not divert more than 1 cfs. Rex Barrie is the Water District 63, Boise River, Watermaster. He has the authority to regulate diversions in Water District 63, which includes Fall Creek, and so I am copying him on this letter.

Please call me if you have questions at 208.334.2190. Thank you.

Sincerely,


Vicky Music
Sr. Water Resource Agent

cc: Rex Barrie, WD 63 Watermaster



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

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WHITE BIRD, ID 83554-0161

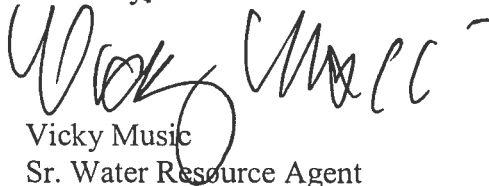
Re Permit Nos. 63-10324 and 63- 10325

Dear Permittees:

The permits referenced above were issued to you for mining uses from Fall and Ophir Creeks. The field exams are required by Idaho law before a permit can be licensed at which time it becomes a water right. The license is the end product needed for continued use of this water.

Please call me at 208.334.2190, by September 4, 2012, to set an appointment for the exams of these two mining permits. I'll gather some information about each of the diversion and delivery system at that time in preparation for the exam. Please make available at the field exam the permits, the plan of operation, or other documentation required by governmental entities. Thank you.

Sincerely,



Vicky Music
Sr. Water Resource Agent

63-10324 Field exam photographs



Fall Creek – white pipe seen in right photo is from the 6.5 hp pump. Green pipe bottom center photo is from the smaller pump -



The 2 pumps on the bank of Fall Creek.



Trommel made by Clarence McReynolds. Water is pumped from Fall Creek to the trommel.



Water flows from the trommel into this settling pond. The pump seen far side is the recycling pump.