

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 47-16824

Exam Date: 4/17/2012

1. Current Owner: W T WILLIAMS INC
3094 N 3200 E
TWIN FALLS ID 83301
(208)655-4226
2. Accompanied by: Tom Williams (WT Williams Inc representative) and Jeff Cooper (IDWR)

3. SOURCE TRIBUTARY
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None (this is for a new, separate stock water system)
2. Other water rights with the same point of diversion: 47-17325 (from same well, but water discharged into the Rice Creek channel and used for in stream stock water use from the channel below)

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER

SE1/4SE1/4NE1/4

Sec. 32, Twp 13S, Rge 17E, B.M.

TWIN FALLS County

Method of Determination: GPS, aerial photography, and IDWR spatial data point

2. LOCATION OF PLACE OF USE:

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
13S	17E	18															X		
																	L 6		
13S	17E	19				X													
13S	17E	30			X	X												X	
13S	17E	31	X							X						X			
13S	17E	32								X	X								
14S	17E	5					X												
							L 3												
14S	17E	6	X													X			
			L 1																

Method of Determination: GPS and aerial photography

D. FLOW MEASUREMENTS

A valve was opened from the pipeline within the SW of Section 32 (per direction from Tom Williams) and a bucket and watch were utilized to measure the flow from the pipeline. The 5 –gallon bucket filled in 10 seconds, resulting in a flow of 30.0 gpm or 0.067 cfs. Note that the maximum permitted rate was only 0.04 cfs, so 0.04 cfs will be recommended for licensing.

E. VOLUME CALCULATIONS

Not required for 42-111 type domestic uses per new Beneficial Use Examination Rules implemented 3/29/2012. Stockwater use can be considered a "part a" domestic use (up to 13,000 gpd).

G. NARRATIVE/REMARKS/COMMENTS

Application for Permit 47-16824 was filed on September 19, 2001 for the diversion of 0.04 cfs for stock water use from an existing well. The permit was issued on December 20, 2001 and Proof of Beneficial Use was filed on November 12, 2002.

On April 17th, 2012, Jeff Cooper and I met Tom Williams of WT Williams Inc at the site and conducted the licensing field exam. The system consists of an artesian well drilled along Rice Creek that serves a system of stock water troughs interconnected via several miles of buried pipelines. Note that SRBA right 47-17325 (for 0.05 cfs and 13,000 gpd) is diverted from the same well, but is dumped into the Rice Creek channel to provide for stock water use further down the Rice Creek Channel (in stream). To measure the 47-16824 system capacity, a valve was opened from the pipeline within the SW of Section 32 (per direction from Tom Williams) and a bucket and watch were utilized to measure the flow from the pipeline. The 5 –gallon bucket filled in 10 seconds, resulting in a flow of 30.0 gpm or 0.067 cfs. Note that the maximum permitted rate was only 0.04 cfs, so 0.04 cfs will be recommended for licensing. However, at the time of the exam, the entire flow from the well was flowing into the 47-16824 system, so this measurement would represent the overall system capacity of the well (when combined with 47-17325). Therefore, it is recommended that a condition be implemented on the 47-16824 license limiting the right when combined with 47-17325 to 0.07 cfs and 13,000 gpd. The troughs were not all located within the locations described on permit 47-16824. For this reason, a licensing amendment was solicited from WT Williams Inc to correct the place(s) of use. The signed licensing amendment and fee was recently received from WT Williams Inc allowing for the licensing of 47-16824.

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

H. RECOMMENDATIONS**1. Recommended Amounts**

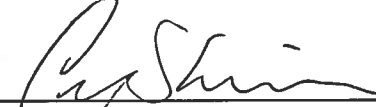
<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
STOCKWATER	01/01 to 12/31	0.040 CFS	N/A
<u>Totals:</u>		0.040 CFS	N/A

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

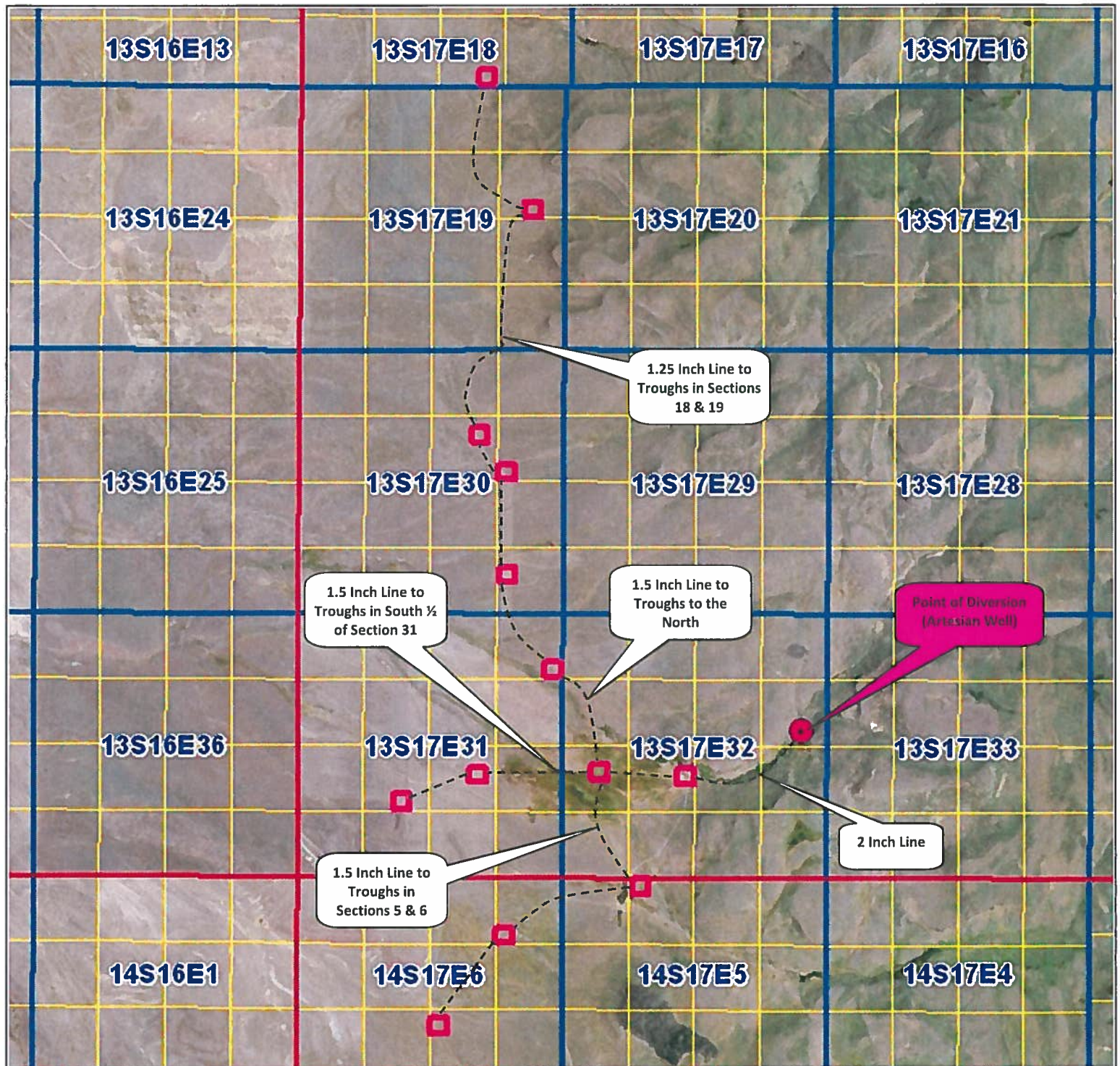
I. AUTHENTICATION

Field Examiner's Name  Date 5/9/2012

Reviewer  Date 5/25/2012

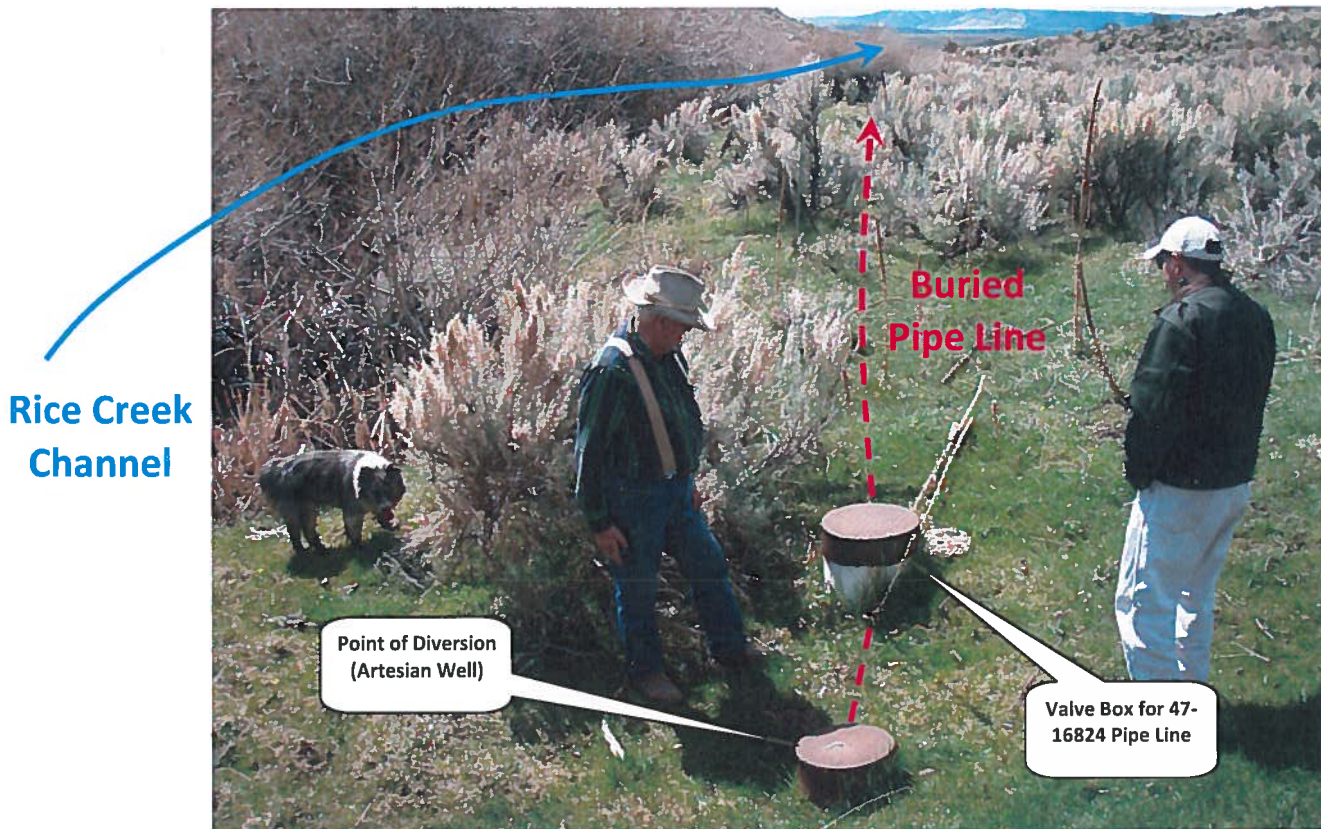
47-16824 Point of Diversion & Place of Use Map

Bing Maps Aerial Photography



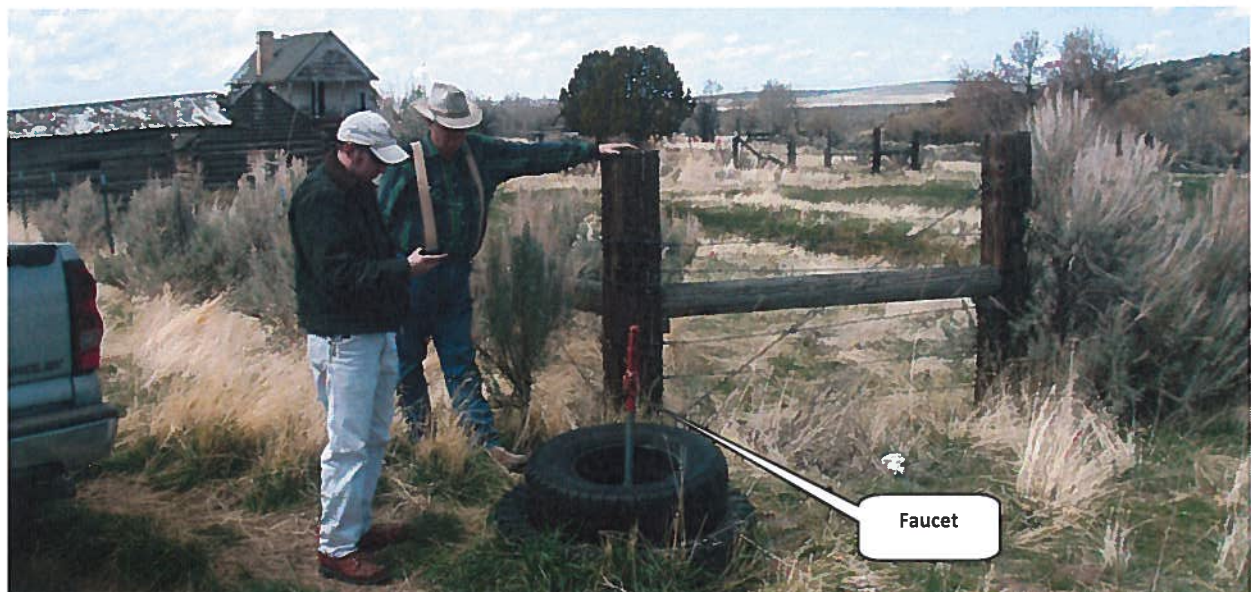
Stock Water Place of Use of Locations

47-16824 Point of Diversion and Place of Use Photos



ABOVE: View of the 47-16824 point of diversion (artesian well). Mr. Williams indicated that historically this well would flow into Rice Creek and was utilized for stock water use via Rice Creek (this use covered by SRBA decree 47-17325). Permit 47-16824 was for the development of a pipeline to a series of stock troughs from this well.

BELOW: View of stock water location in NESW of Section 32. Mr. Williams indicated that occasionally a hose is hooked up to this faucet to water livestock at the location of the Buck Rice homestead (background of view).



47-16824 Place of Use Photos



ABOVE AND BELOW: Views of typical stock water troughs throughout the 47-16824 pipeline system. Note the floats on the troughs insuring that water does not overflow the troughs. In addition to the faucet, shown on the previous page at the Buck Rice homestead, there are twelve total stock troughs as part of the 47-16824 system. The trough in the view above is located within the NWSE of Section 6 (T14S, R17E) and the trough in the view below is located within the NWSE of Section 31 (T13S, R17E).



47-16824 Measurement Location Photo



View of measurement location within the west $\frac{1}{4}$ of the southwest $\frac{1}{4}$ of Section 32 (T13S, R17E). A valve in the pipeline to the troughs in Sections 5 & 6 (T14S, R 17E) was closed spilling water through the black pipe show in this view. A bucket and watch were utilized to obtain a flow of 5 gallons in 10 seconds (30 gpm or approximately 0.07 cfs).