

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 11-7774
Exam Date: 5/6/2020

1. Current Owner:
JANET SMITH 5868 DRY FORK CANYON RD VERNAL UT 84078 AND/OR
KC HYRUM SMITH 5868 DRY FORK CANYON RD VERNAL UT 84078-9700
2. Accompanied by:
Phone No:
Address:
Relationship to permit Holder:

3. **SOURCE:**
SPRING

Tributary
SINKS

Method of Determination: _____ Site visit and GPS _____

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: _____

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: _____

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

SPRING NW¼ NE¼ NW¼, Sec. 24, Twp 12S, Rge 42E, B.M. BEAR LAKE County

Method of Determination: Site visit and GPS

PLACE OF USE: STOCKWATER

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
12S	42E	24					X												

Method of Determination: Site visit and GPS

- ☒ 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

D. FLOW MEASUREMENTS

1.

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

2. Measurements:

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method:

All rights diverted out of the point of diversion are less than 0.24 cfs. No measurement taken.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

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

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses:

100 range cattle

$$\frac{100 \text{ head} \times 12 \text{ gpd} \times 365 \text{ days}}{325,850 \text{ gallons}} = 1.3 \text{ AF}$$

G. NARRATIVE/REMARKS/COMMENTS

When I arrived at the place of use there was a substantial amount of snow melt occurring due to the weather and the amount of snow remaining at the altitude of the area. I discovered a small stream of snow melt flowing downhill to the south and east. I followed the stream and could not locate the spring. After searching for 10 minutes in a densely wooded area, I discovered the spring. The snow melt was flowing past the spring to the south approximately 20 meters. The spring water flowed separately from the snow melt water for approximately 100 meters where the waters conjoined in a series of sinks. I photographed the snow melt/stream, the spring, and the sinks.

Due to the topography of the area, the spring is isolated from the impact of seasonal drainage from snow melt or torrential rains. Sinks may be overwhelmed during peak run-off season, causing excess water to flow to Emigration Creek.

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

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Volume</u>
STOCKWATER	04/01 to 10/31	0.01 CFS	1.3 AF

Totals: 0.01 CFS 1.3 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

Jared Adamson - Water Resource Agent

Field Examiner's Name

Date

5/7/2020

Reviewer

Date

Site 1

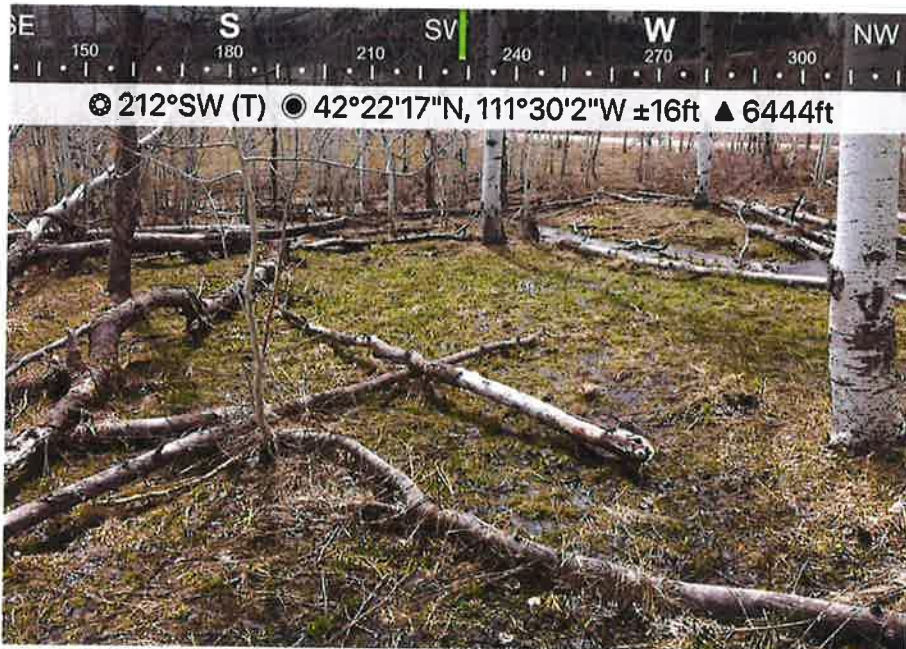


Saturated ground from snow melt.



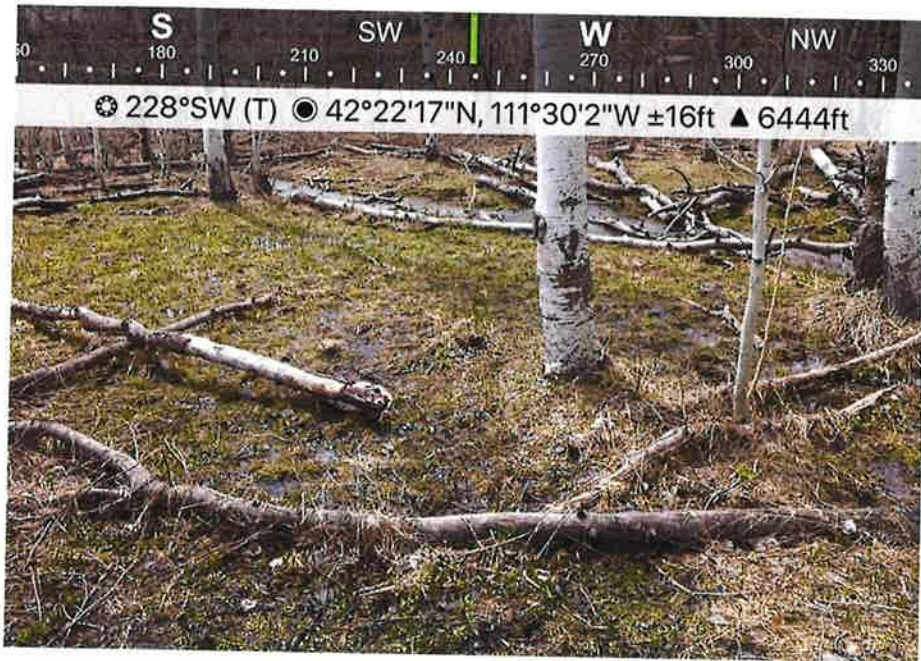
Saturated ground form snow melt.

Site 2



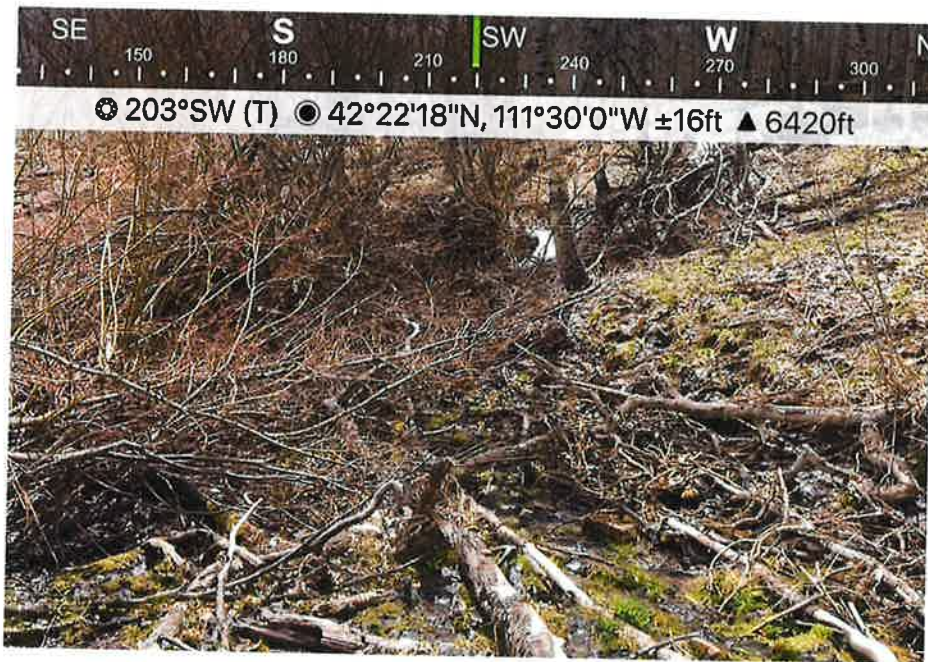
Saturated ground from snow melt in the foreground. Stream of snow melt in the background.





Saturated ground from snow melt in the foreground. Stream of snow melt in the background.

Site 3



Overall location of the spring.



Blue bucket appears to mark the location of the spring.

Site 4



Overall picture of spring looking downhill.



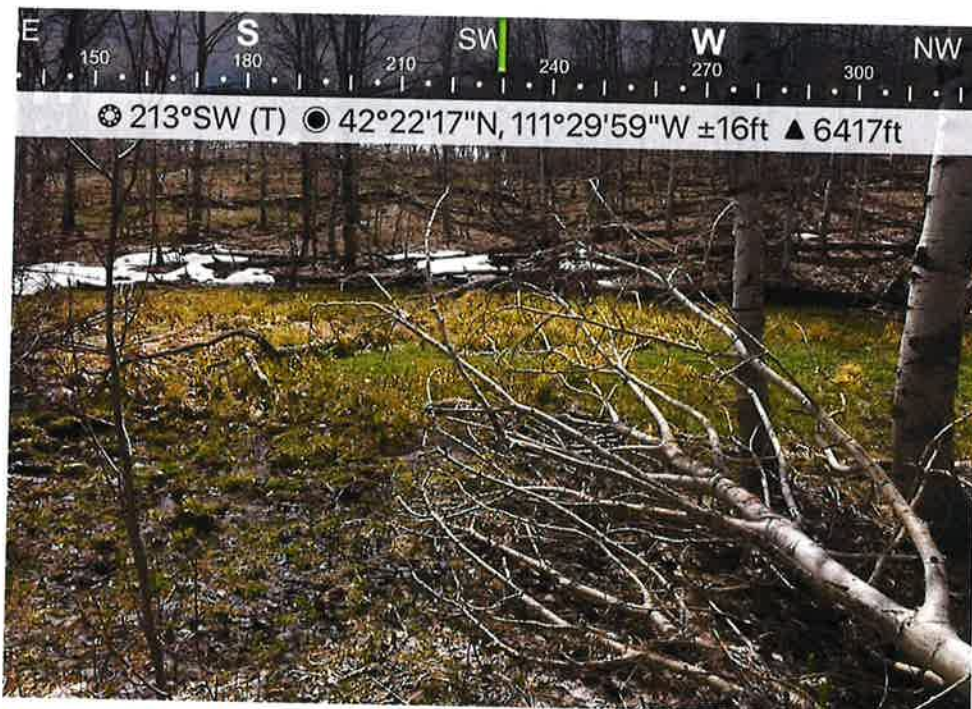
North West of Spring looking due east.

Site 3

Looking down hill towards sinks.

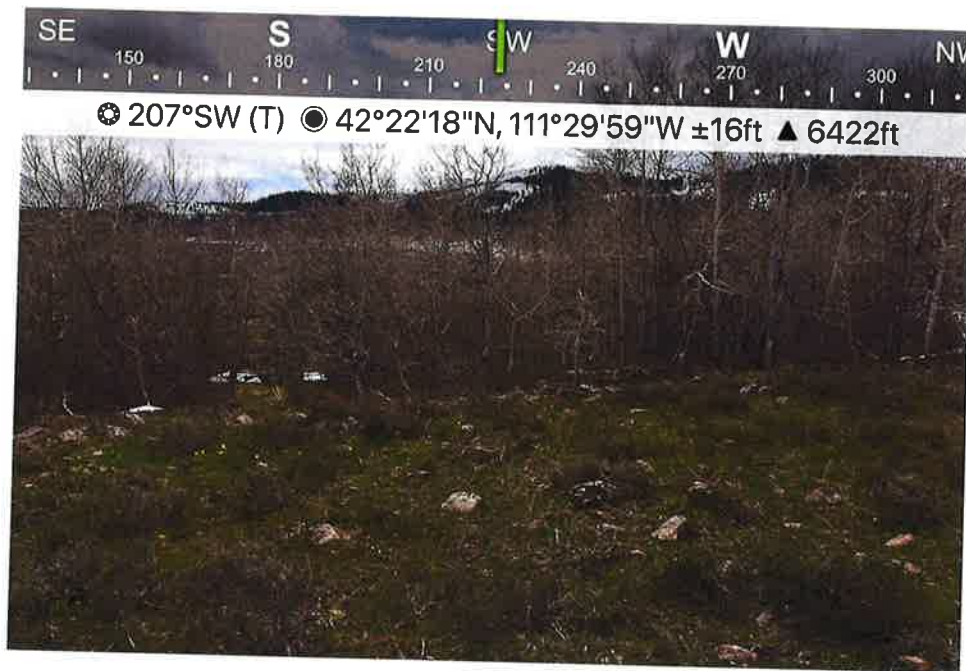


Site 5 (sinks)

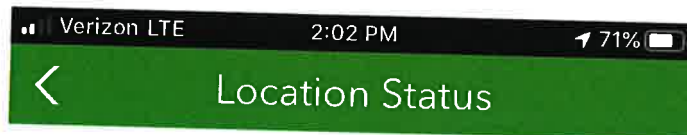




Overall photo of POU



Location of spring



Time since last update **0.8 s**

Latitude **42°22'17.816"N**

Longitude **111°30'0.933"W**

Altitude **6,424.14 ft**

USNG **12T VM 5881 9115**

Speed *No data*

Vertical speed *No data*

Direction **261.563°**

Magnetic variation *No data*

Horizontal accuracy **16.404 ft**

Vertical accuracy **9.843 ft**

State of Idaho - Department of Water Resources



Beneficial Use Field Exam 11-7774

-  Spring
-  Photo locations
-  Snow Melt/Run-off
-  Emigration Creek
-  Topography
-  Sinks
-  Township/Range
-  Sections
-  QQ

Imagery Date:
2019

