

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7366

Exam Dates: 7/16/2024

Accompanied by: TJ Daniels

1. Current Owner:

DANIELS HOLDING COMPANY LLC
PO BOX 267
MALAD CITY, ID 83252-0267

2. **SOURCE:** Ground Water

B. OVERLAP REVIEW

1. Place of Use: Permit 15-7392 authorize 12 acres of irrigation in NWSE T16S R36E S9, and 4 acres in SWSE T16S R36E S9, which overlaps with the place of use of permit 15-7366. There is no infrastructure to get water from a pivot associated with permit 15-7392 onto this acreage. The overlapping portion of the permit authorized acreage is now owned by Daniels Holding Company. No supplemental rights, combined rights, or irrigation company rights overlap the place of use otherwise.

2. Point of Diversion: The sole well used for permit 15-7366 does not provide water to other water rights.

C. DIVERSION AND DELIVERY SYSTEM

Currently, the well delivers water through a mainline to a full circle pivot, a half circle wiper pivot, two quarter circle wiper pivots, and a set of wheel line sprinklers.

1. **POINT OF DIVERSION:**

GROUND WATER SW¼ SE¼, Sec. 9, Twp 16S, Rge 36E, B.M. ONEIDA County

Method of Determination: Site inspection (GPS) and Well Driller's Report (D0068539).

2. PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
16S	36E	9			35					34	31	7	18	38		39	38		240

Right Acre Limit:

Total Acres: 240

Method of Determination: Site inspection. Aerial imagery.

DELIVERY SYSTEM: By the time proof of beneficial use was submitted in 2023, the water delivery system does seem to be developed to the extent that was observed in the July 2024 site visit. Water is delivered from the well through a mainline which initially runs West, and subsequently splits North to deliver water to the pivots and the wheel lines. The mainline runs under the road where it connects to the wheel lines.

**4. SYSTEM SPECIFICATIONS:**

Well ID: Metal Tag D0068539

Pump:

Motor: General Electric 200HP Serial# GHJ303105

D. FLOW MEASUREMENTS

Flow was measured using the built-in Growsmart IM3000 10" flow meter, located on a section of mainline straight pipe originating directly from the well.

Instantaneous flow rate was measured at 1762 GPM, or 3.93 CFS. The totalizer on the flow meter read 235534 Galx1000, or 723 acre feet at the time of measurement.

E. FLOW CALCULATIONS

N/A, flow measured at the site visit

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 240 \text{ acres} \times 3.5 \text{ af/acre} = 840 \text{ af.}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 3.93 \times 214 \times 1.9835 = 1668 \text{ af.}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \mathbf{840 \text{ af.}}$$

G. NARRATIVE/REMARKS/COMMENTS

Proof of beneficial use was received within the extension timeline such as not to affect the original priority date.

Before issuance of the permit, imagery suggests that the place of use has not been irrigated in recent history but was used for dryland agriculture. By 2020, imagery shows evidence that the northern circle pivot was actively irrigating, and that the SESW and SWSE quarters were probably irrigated by handlines or wheel lines at this time. Imagery suggests that the three wiper pivots irrigating those quarters were installed by the start of the 2023 irrigation season.

Well log records indicate that on May 03, 2016 well #D0068539 was completed in the SW¼ SE¼, Sec. 9, Twp 16S, Rge 36E. Field inspection on 07/16/24 confirmed the location of the well and confirmed that this well is the active point of diversion developed by the permit.



A picture of the flow meter on 7/16/24



A picture of the pump and well system



Well Tag



Actively Irrigated and cultivated field

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>Rate of Diversion</u>	<u>Annual Volume</u>
IRRIGATION	04/01 to 10/31	3.93 CFS	840 AF
<u>Totals:</u>		3.93 CFS	840 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 Christian Stewart, IDWR Water Resource Agent

Field Examiner's Signature Christian Stewart Date 9/84/24