

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 17-7150

Exam Date: 6/6/2007

1. Current Owner: STATE OF IDAHO
DEPT OF TRANSPORTATION
PO BOX 486
SHOSHONE ID 83352
(208)886-7515

2. Accompanied by:

Phone No:

NONE

Address:

Relationship to Permit Holder:

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 17-2059
2. Other water rights with the same point of diversion: 17-2059

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER	NW1/4SW1/4	Sec. 36, Twp 15S, Rge 30E, B.M.
ONEIDA County		
GROUND WATER	NE1/4SE1/4	Sec. 35, Twp 15S, Rge 30E, B.M.
ONEIDA County		

Method of Determination: GPS

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
15S	30E	35			X	X									X				
15S	30E	36									X								

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
15S	30E	36									.2								.2

Total Acres: 0.2

Method of Determination:

3. ☒ 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.

<u>Well or Diversion</u> <u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
WEST		3hp			
EAST		7.5hp			

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

D. FLOW MEASUREMENTS

1.

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

2. Measurements:

WEST WELL measured at 0.03 cfs - 17-2059

EAST SIDE $cfs = \frac{7.5 \times 6.16}{320 \times 25(50)} = 0.11 cfs$

E. FLOW CALCULATIONS

Measured Method:

☐ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.2 \times 3.5 \text{ AF} = 0.7 \text{ AF/A}$$

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

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

2. Volume Calculations for Other Uses:

$$\text{from license } 1.7 \text{ AF} \times 2 = 3.4 \text{ AF/A}$$

$$\text{domestic home } 0.6 \text{ AF} \\ \hline 4.0$$

G. NARRATIVE/REMARKS/COMMENTS

two wells to two highway restrooms facilities and a caretakers home.
 west side well and new east side well connected.
 combined use with license 29-2059.
 irrigation of small lawns.
 east side well 3 HP, west side well 7.5 HP.

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>
DOMESTIC	01/01 to 12/31	0.060 CFS	4.00 AF
IRRIGATION	04/15 to 10/15	0.010 CFS	0.70 AF
<u>Totals:</u>		0.070 CFS	4.70 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 DAVE CARLSON Date 6/6/2007
 Reviewer _____ Date _____

February 19, 1999

RECEIVED

FEB 24 1999

Department of Water Resources
Eastern Region

Scott VanHoff
IDWR
900 N. Skyline Drive
Suite A
Idaho Falls, ID 83402-1718

Mr. VanHoff,

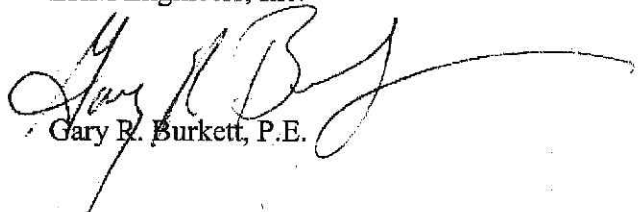
As we discussed by phone, enclosed is an application for a water right for a proposed well at the ITD Juniper Rest Stop in Oneida County.

The well will serve a restroom expansion project and new caretaker home on the east side of the interstate. An existing well located on the west side has a licensed right (attached). The two wells will be connected by piping in case of failure of either system.

Please process this application as appropriate.

Respectfully,

EHM Engineers, Inc.


Gary R. Burkett, P.E.

Enclosure

723-98

MICROFILMED

MAY 26 1999

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUse Typewriter
or
Ball Point Pen

594109 NOV 10 1999

1. DRILLING PERMIT NO. 17 99 - E-0001-000
Other IDWR No. D0008119

2. OWNER:

Name Idaho Transportation Department
Address _____
City _____ State _____ Zip _____

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N		Twp. <u>15</u>		North ☐	or	South ☒
W		Rge. <u>30</u>		East ☒	or	West ☐
E		Sec. <u>36</u>		NW 1/4 SW 1/4 1/4		
S		Gov't Lot _____		County <u>Denida</u>		

Address of Well Site Juniper Rest Area
Near Utah State Line City Snowville Utah
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____
Freeway I 84

4. PROPOSED USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK

☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD

☐ Mud Rotary ☐ Air Rotary ☒ Cable ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT		METHOD
Material	From	To	Sacks or Pounds		
<u>Sodium Bentonite</u>	<u>0</u>	<u>30</u>	<u>15 Sacks</u>		<u>Shiny Pump</u>

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>8</u>	<u>+2</u>	<u>502</u>	<u>322</u>	<u>Steel</u>	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☒ Perforations Method Torch
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
<u>440</u>	<u>500</u>	<u>3/16</u>	<u>120</u>			☒	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

320 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:

☒ Pump ☒ Baller ☐ Air ☐ Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
<u>70</u>	<u>15</u>	<u>335</u>	<u>16 hrs.</u>
<u>30 (Bale)</u>	<u>8</u>	<u>328</u>	<u>10 hrs</u>

Water Temp. 57° F Bottom hole temp. 57° F.Water Quality test or comments: GoodConductivity 480 uMHOs

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
	<u>10</u>	<u>0</u>	<u>30 Fine Tan Blow Sand</u>		☒
	<u>8</u>	<u>30</u>	<u>94 Grey Lava Ash (Clay)</u>		☒
	<u>8</u>	<u>94</u>	<u>130 Brown clay</u>		☒
		<u>130</u>	<u>153 Grey Clay 20% Limestone</u>		☒
		<u>153</u>	<u>195 Tan Clay 30% Limestone Gravel</u>		☒
		<u>195</u>	<u>210 Brown Clay</u>		☒
		<u>210</u>	<u>226 Tan Clay 30% Limestone Gravel</u>		☒
		<u>226</u>	<u>235 Brown Clay</u>		☒
		<u>235</u>	<u>274 Tan Clay 30% Limestone Gravel</u>		☒
		<u>274</u>	<u>284 Brown Sandy Clay</u>		☒
		<u>284</u>	<u>290 Tan Clay 30% Limestone Gravel</u>		☒
		<u>290</u>	<u>318 Brown Clay 30% Coarse Gravel</u>		☒
		<u>318</u>	<u>335 Soft Brown Clay</u>		☒
		<u>335</u>	<u>356 Tan Clay Limestone Sandstone</u>		☒
			<u>Gravel mix - H₂O-355</u>	☒	
		<u>356</u>	<u>390 Brown Clay with 40% Sandstone and limestone</u>		☒
			<u>Gravel</u>	☒	
		<u>390</u>	<u>423 Tan Clay with 40% Sandstone and limestone Gravel</u>		☒
		<u>423</u>	<u>440 Brown Clay</u>		☒
		<u>440</u>	<u>450 Brown Silty Clay</u>		☒
		<u>450</u>	<u>474 Tan Clay with 50% Sandstone - limestone Gravel mix</u>		☒
		<u>474</u>	<u>483 Brown Clay - 80% Gravel</u>		☒
		<u>483</u>	<u>508 Tan Clay with limestone Gravel and Rock mix</u>		☒

RECEIVED

MICROFILMED

NOV 10 1999

NOV 10 1999

Department of Water Resources
Eastern RegionCompleted Depth 508 (Measurable)Date: Started May 26 Completed Oct. 2

13. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Stan Lloyd Drilling Co. Firm No. 294Firm Official F. Stanley Lloyd Date Oct. 29, 1999and
Supervisor or Operator _____ Date _____

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

REPORT OF WELL DRILLER
State of Idaho

State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:

Name STATE OF IDAHO (juniper rest area)

Address DEPARTMENT OF HIGHWAYS

BOISE

Owner's Permit No. _____

NATURE OF WORK (check): Replacement well ☐

New well ☒ Deepened ☐ Abandoned ☐

Water is to be used for: REST AREA

METHOD OF CONSTRUCTION: Rotary ☐ Cable ☒

Dug ☐ Other _____

(explain)

CASING SCHEDULE: Threaded _____ Welded _____

10 "Diam. from 0 ft. to 20 ft.

8 "Diam. from 0 ft. to 505 ft.

"Diam. from _____ ft. to _____ ft.

"Diam. from _____ ft. to _____ ft.

Thickness of casing: 250 Material:

Steel ☒ concrete ☐ wood ☐ other ☐

(explain)

PERFORATED? Yes ☒ No ☐ Type of

perforator used: torch

Size of perforations: 1 " by 6 "

90 perforations from 378 ft. to 388 ft.

90 perforations from 415 ft. to 425 ft.

99 perforations from 468 ft. to 479 ft.

perforations from _____ ft. to _____ ft.

WAS SCREEN INSTALLED? Yes ☐ No ☒

Manufacturer's name _____

Type _____ Model No. _____

Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

CONSTRUCTION: Well gravel packed? Yes ☐

No. ☐ size of gravel _____ Gravel

placed from _____ ft. to _____ ft. Surface seal

provided? Yes ☐ No ☐ To what depth?

_____ ft. Material used in seal:

20 ft. of 10 " casing set in clay

Did any strata contain unusable water? Yes ☐

No. ☒ Type of water:

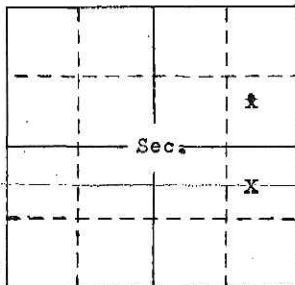
Depth of strata _____ ft. Method of sealing

strata off: _____

Surface casing used? Yes ☒ No. ☐

Cemented in place? Yes ☐ No ☒

Locate well in section



LOCATION OF WELL: County ONEIDA

NE 1/4 SE 1/4 Sec. 35 T. 15 N. S. R. 30 E.

Use other side for additional remarks

Size of drilled hole: 8 " Total
depth of well: 505 ft. Standing water
level below ground: 302 Temp.
Fahr. _____ ° Test delivery: 60 gpm
or _____ cfs Pump? ☒ Bail ☐

Size of pump and motor used to make test:

10 H.P. SUBMERSIBLE

Length of time of test: 24 Hrs. Min.

Drawdown: 6 ft. Artesian pressure: ft.

above land surface _____ Give flow _____ cfs

or _____ gpm. Shutoff pressure:

Controlled by: Valve ☐ Cap ☐ Plug ☐

No control ☐ Does well leak around casing?

Yes ☐ No ☒

DEPTH

MATERIAL

43307 WATER

FROM TO YES OR NO

FEET FEET

0 16 blow sand

16 47 tan clay

47 83 tan clay & gravel

83 102 tan clay

102 166 tan clay & gravel

150 200 brown clay & gravel

200 246 " " " " " "

246 342 brown clay

342 373 brown clay & gravel

373 384 tan clay & gravel

384 386 more gravel than clay yes

386 395 brown clay & gravel

395 415 tan clay & gravel

415 428 more gravel than clay yes

428 469 brown clay

469 474 tan clay & gravel

474 505 more gravel than clay yes

474 505 brown clay &

USGS