

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-31277
Exam Date: 5/11/2017

1. Current Owner:
4 HECKS, LLC 5600 CLEVELAND BLVD CALDWELL ID 83607 (208) 454-8508
2. Accompanied by: Brent Heck
Phone No: (208) 454-8508
Address: 5600 Cleveland Blvd., Caldwell, ID 83607
Relationship to Permit Holder: Vice President of 4 Hecks, LLC

3. SOURCE:
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Pioneer Irrigation District Water Rights
2. Other water rights with the same point-of-diversion: None

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

GROUND WATER SW¼NW¼SW¼ Sec. 36, Twp 04N, Rge 03W, B.M. CANYON County

Method of Determination: Handheld GPS. 43° 38.263' N, 116° 39.148'

2.
PLACE OF USE: COMMERCIAL

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04N	03W	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	
04N	03W	36										0.2							.2

Total Acres: 0.2

Method of Determination: GIS data and satellite imagery paired with Brent Heck directing and showing us the washing bay, and explained which portions of property were irrigated.

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.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0018307	N/A	N/A	N/A	N/A	N/A

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

D. FLOW MEASUREMENTS

2. Measurements: We were unable to take any in-field flow measurements due to the system being fully enclosed in the ground and building

E. FLOW CALCULATIONS

 x Additional Computation Sheets Attached

Irrigation: (0.2 acres) x (0.03 cfs/ac) = 0.006 → **0.01 cfs**

Commercial: Hotsy Steam Cleaner Pump Range: 2.1 gpm – 10.4 gpm

10.4 gpm 1 cfs/448.83 gpm = **0.02 cfs**

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (0.2\text{ac}) \times (4.5) = 0.9 \text{ af}$

$V_{D.R} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = [0.01 \text{ (cfs)}] \times (260 \text{ days}) \times 1.9835 = 5.2 \text{ af}$

$V = \text{Smaller of } V_{I.R} \text{ and } V_{D.R} = 0.9 \text{ af}$

2. Volume Calculations for Other Uses: Commercial

0.02 cfs @ 1hr/day est. use for 6 days/week minus 6 major holidays: (0.02 cfs) x (306 days) x (1/24 hrs) x (1.9835) = **0.5 afa**

G. NARRATIVE/REMARKS/COMMENTS

The field exam was conducted May 11, 2017 by agents Patrick Kelly and Justin Shearer. They were accompanied by Brent Heck, Vice President of 4 Hecks, LLC, at Grizzly Motorsports, current business on property pertinent to the place of use and well location.

Ownership of the permit at the time of the field exam was in the name of Overland Enterprises. However, shortly after the field exam the original owner submitted an assignment of permit to relinquish their interest in the permit and reassign it under 4 Hecks, LLC and an ownership change was also received from the current property owner. The assignment of permit will be processed, however the ownership change is unnecessary, will not be processed, and a refund will be sent to the payer. The license should be issued under the current owner 4 Hecks, LLC.

Ground water comes from a well drilled in 2001. A well drillers report was provided to us during the field exam by Brent Heck. At the time of the exam, Mr. Heck was unaware of the submersible pump specifications in the well as he had not had installed the pump, nor had any reason to pull it up for maintenance since obtaining the property. Motor make/serial no. were unobtainable at the time of the exam as both were submerged down near the bottom of the well.

Flow measurements were unobtainable as all the system piping is enclosed under the parking lot and within the building. For the commercial use a single pressure washing bay is used to wash ATV's. Mr. Heck estimated that its use is approximately an hour a day at the most. Info from the Hotsy pressure washer was used to estimate the rate of flow. However, we were unable to obtain exact specifications for the pressure washer pump on site so in-office research was conducted to determine rate of flow. Hotsy pressure washer pump gpm's range from 2.1 gpm to 10.4 gpm. Even being generous and assuming that the pump in place has an output of 10.4 gpm, the rate of flow would only be 0.02 cfs, which is less than the permitted value of 0.04 cfs. Commercial volume was calculated by multiplying the 0.02 cfs by 1 hr/a day of use, for 306 days of business, multiplied by the conversion factor of 1.9835 to get 0.5 AFA.

Irrigation measurement was also un-measurable. A theoretical estimation was calculated in office using sprinkler specifications for the Rainbird 15 series VAN sprinkler as observed in-field at an estimated 30 psi. This estimated rate came out to be 0.1 cfs, which is greater than the permitted value 0.04 cfs. Therefore, rate was determined based on measured irrigated acreage of 0.2 acres multiplied by the standard rate of 0.03 cfs/ac to get 0.01 cfs. Irrigation volume was determined by calculating $V_{D.R}$ from the 0.01 cfs multiplied by 260 days for the season of use, times the conversion factor of 1.9835 to get 5.2 AFA and comparing it against the $V_{I.R}$ from the 0.2 acres irrigated times the irrigation requirement of 4.5 at the headgate to get 0.9 af. Taking the smaller of the two, the recommended irrigation volume is 0.9 af.

Overlap review found the POU to be in the service area of Pioneer Irrigation District, however the user does not receive any pertinent surface water rights from the irrigation company. The applicant does not have any other water rights at the POU nor is the POD shared with other water rights. Thus there is no POU or POD overlap for 63-31277.

The permit identified an intended irrigation of 0.5 acres, however in-field observations, discussion with Mr. Heck, ArcGIS, and aerial imagery show irrigation of only 0.2 acres. Thus, the recommended diversion rate for irrigation should be reduced from 0.04 cfs to 0.01 cfs.

As a condition of the permit, a mitigation plan was required to be developed in the form of water retention beds to capture precipitation seepage. At the time of the field exam, two water retention drains were in place on the perimeter of the parking lot. The drains allow for the water to enter an engineered storm drain system and join with other runoff water in the area, resulting in sufficient mitigation. Thus, it should be determined that this condition of the permit has been met.

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>
IRRIGATION	03/01 to 11/15	0.01 CFS	0.9 AF
COMMERCIAL	01/01 to 12/31	0.02 CFS	0.5 AF
<u>Totals:</u>		0.030 CFS	1.40 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

Field Examiner's Name  Date 6/20/2017

Reviewer  Date 6/20/2017

E. NARRATIVE/REMARKS/COMMENTS

will @: N 43° 38.263'

W 116° 39.738' 148'

Calculations

Commercial
Hotsy Pump
GPM range: 2.1 - 10.4 gpm

$$2.1 \text{ gpm} \frac{1 \text{ cfs}}{448.83 \text{ gpm}} = 0.005 \text{ cfs}$$

$$10.4 \text{ gpm} \frac{1 \text{ cfs}}{448.83 \text{ gpm}} = \boxed{0.02 \text{ cfs}}$$

Irrigation @ 30 PSI
15 series VAN Rainbird Sprinkler
GPM range: ~~0.65~~ - 3.70 gpm
0.92

$$90^\circ \text{ arc } 0.92 \text{ gpm} \frac{1 \text{ cfs}}{448.83 \text{ gpm}} = 0.002 \text{ cfs}$$

$$360^\circ \text{ arc } 3.70 \text{ gpm} \frac{1 \text{ cfs}}{448.83 \text{ gpm}} = 0.008 \text{ cfs}$$

$$270^\circ \text{ arc } 2.78 \text{ gpm} \frac{1 \text{ cfs}}{448.83 \text{ gpm}} = 0.006 \text{ cfs}$$

Irrigation
GIS Acres: 0.21 acres

$$0.21 \text{ ac } \frac{0.003 \text{ cfs}}{1 \text{ acre}} = 0.0063 \text{ cfs}$$

$$= \boxed{0.01 \text{ cfs}}$$

$$180^\circ \text{ arc } 1.85 \text{ gpm} \frac{1 \text{ cfs}}{448.83 \text{ gpm}} = 0.004 \text{ cfs}$$

@ 30 PSI → every 30 ft, 15 ft radius

Yard 45m, 57m, 81m, 28m, 12m, 19m, 11m
↓ ↓ ↓ ↓ ↓ ↓ ↓
Sprinklers 4.5 + 5.7 + 8.1 + 2.8 + 1.2 + 1.9 + 1.1
≈ 25 sprinklers × 0.004 cfs/ea = 0.1 cfs

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☒ Yes ☐ No If no, what must be done to meet the permit requirements?

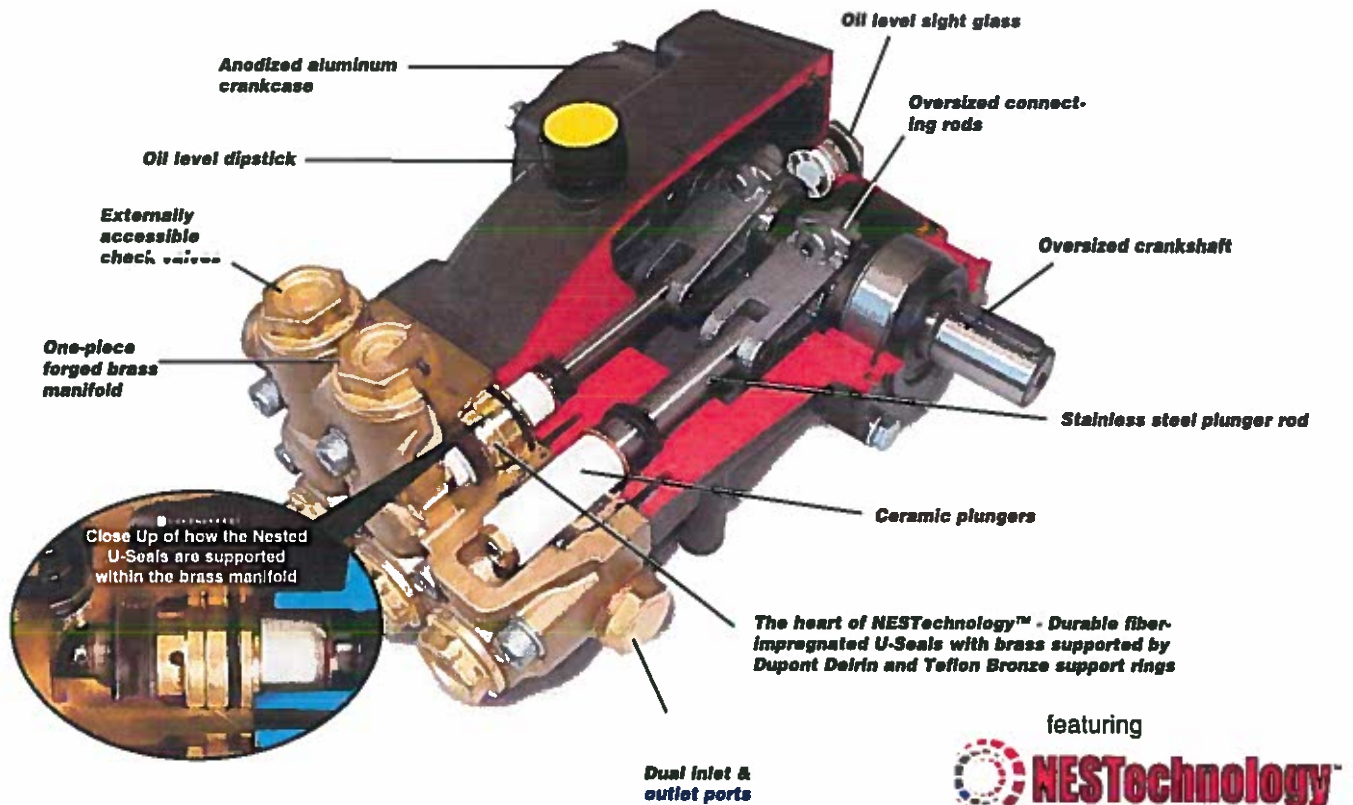
Commercial Volume: 0.02 cfs @ 1 hr/day for 6 days a week minus 6 holidays

$$(0.02 \text{ cfs}) (306 \text{ days}) \left(\frac{1 \text{ hr}}{24}\right) \times 1.9835 = 0.5 \text{ AFA}$$

Irrigation Volume $(0.01 \text{ cfs}) (260 \text{ days}) \times 1.9835 = 5.16 \text{ AFA}$
0.2 acres
~~0.01 cfs~~ × 4.5 = 0.9 af

The Hotsy Pump's rugged design features many benefits:

- Four frame sizes: one duplex, and three triplex sizes - small, medium, large
- Externally accessible check valves
- Two inlet and discharge ports facilitate system installation
- Anodized aluminum crankcase
- Polished ceramic plungers reduce seal wear
- Oversized crankshaft and connecting rods
- Heavy-duty roller bearings or heavy-duty tapered roller bearings
- Internally-ported, self-lubricating seals
- Pumps available for pulley, direct or gear-reducer drive
- 7-year warranty on the oil-end of the pump



featuring
 **NESTechnology™**

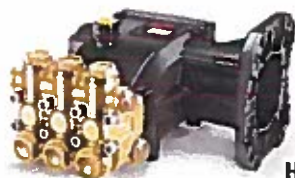


DUPLEX

DUPLEX SERIES: Direct Drive

Part No.	Model/Orig. No.	GPM	PSI	HP	RPM	Shaft	Weight
8.904-909.0	NHC165L.1	2.2	1500	2.3	1725	5/8" Hollow	13 lbs
8.904-915.0	NHC165R.1	2.2	1500	2.3	1725	5/8" Hollow	13 lbs
8.715-243.0	NHC168R.1	2.2	1500	2.3	1725	5/8" Hollow	13 lbs

HOTSY Pumps (continued)



HS.3

HS.3 SERIES: Direct Drive

Part No.	Model	GPM	PSI	HP	RPM	Shaft	Weight
8.751-182.0	HS3040G.3	3.0	4000	11.5	3400	1" Hollow	23 lbs
8.751-183.0	HS3540G.3	3.5	4000	13.5	3400	1" Hollow	23 lbs
8.751-184.0	HS4040G.3	4.0	4000	15.4	3400	1" Hollow	23 lbs
8.751-185.0	HS5030G.3	5.0	3000	15.4	3400	1" Hollow	23 lbs



HP

HP SERIES: Direct Drive

Part No.	Model/Orig. No.	GPM	PSI	HP	RPM	Shaft	Weight
8.923-771.0	HP2535G	2.5	3500	6.0	3400	3/4" Hollow	16.75 lbs
8.923-772.0	HP3035G	3.0	3500	7.2	3400	3/4" Hollow	16.75 lbs
8.923-773.0	HP3035B1	3.0	3500	7.2	3400	1" Hollow	18 lbs
8.923-774.0	HP3535B1	3.5	3500	8.4	3400	1" Hollow	18 lbs
8.923-775.0	HP4035B1	4.0	3000	9.6	3400	1" Hollow	18 lbs



HF

HF SERIES: Direct Drive

Part No.	Model/Orig. No.	GPM	PSI	HP	RPM	Shaft	Weight
8.923-776.0	HF2030F	2.1	3000	4.3	3450	5/8" Hollow	17 lbs
8.923-777.0	HF2030S	2.1	3000	4.3	1725	5/8" Hollow	17 lbs
8.923-778.0	HF2830F	2.8	3000	5.8	3450	5/8" Hollow	17 lbs
8.923-779.0	HF2830S	2.8	3000	5.8	1725	5/8" Hollow	17 lbs
8.923-780.0	HF3530F	3.5	3000	7.2	3450	5/8" Hollow	17 lbs

FasPump Quick Change Pump Assemblies

Includes a pump, uploader, thermal protector, by-pass loop hose, garden hose inlet with filter, and quick connect plug, making them easy to install.



Part No.	Description	
9.803-565.0	Pump Assy, LP3035G, Direct, 3.0 GPM, 3500 PSI, 1" Hollow Shaft, 3400 RPM, VTR3	
9.803-566.0	Pump Assy, LP3535G1, Direct, 3.5 GPM, 3500 PSI, 1" Hollow Shaft, 3400 RPM, VTR3	
9.803-567.0	Pump Assy, LS4040G.3, Direct, 4.0 GPM, 4000 PSI, 1" Hollow Shaft, 3400 RPM, VTR3	
9.803-568.0	Pump Assy, LB3030R, Belt, 3.0 GPM, 3000 PSI, 24mm Solid Shaft, 1650 RPM, VTR3	
9.803-569.0	Pump Assy, LM3540R.3, Belt, 3.5 GPM, 4000 PSI, 24mm Solid Shaft, 1850 RPM, VTR3	
9.803-570.0	Pump Assy, LM3840R.3, Belt, 3.8 GPM, 4000 PSI, 24mm Solid Shaft, 1740 RPM, VTR3	

HOTSY Pumps (continued)



HX

HX SERIES: Belt Drive

Part No.	Model/Orig. No.	GPM	PSI	HP	RPM	Shaft	Weight
8.920-583.0	HX5843R.2	5.8	4350	17.3	1740	25mm Right	38 lbs
8.920-584.0	HX8043R.2	8.0	4350	23.8	1740	25mm Right	38 lbs
8.920-585.0	HX9536R.2	9.5	3625	16.4	1740	25mm Right	38 lbs
8.920-586.0	HX9536L.2	9.5	3625	23.6	1740	25mm Left	38 lbs
8.920-587.0	HX1036R.2	10.4	3625	23.6	1740	25mm Right	38 lbs
8.920-588.0	HX1036L.2	10.4	3625	25.8	1740	25mm Left	38 lbs



HB

HB SERIES: Belt Drive

Part No.	Model/Orig. No.	GPM	PSI	HP	RPM	Shaft	Weight
8.923-767.0	HB3030R	3.0	3000	6.2	1650	24mm	14.5 lbs
8.923-768.0	HB3030L	3.0	3000	6.2	1650	24mm	14.5 lbs
8.923-769.0	HB4025R	4.0	2500	6.8	1550	24mm	14.5 lbs
8.923-770.0	HB4025L	4.0	2500	6.8	1550	24mm	14.5 lbs



HX5450

HX5450 SERIES: Belt Drive

Part No.	Model/Orig. No.	GPM	PSI	HP	RPM	Shaft	Weight
8.921.659.0	HX5450R	5.4	5000	18.3	1740	24mm Right	43 lbs
8.921.660.0	HX5450L	5.4	5000	18.3	1740	24mm Left	43 lbs



HM.3

HM.3 SERIES: Belt Drive

Part No.	Model/Orig. I No.	GPM	PSI	HP	RPM	Shaft	Weight
8.751-179.0	HM3540R.3	3.5	4000	9.5	1850	24mm Right	21 lbs
8.751-180.0	HM4035R.3	4.8	3500	11.5	1500	24mm Right	21 lbs
8.751-181.0	HM4035L.3	4.8	3500	11.5	1500	24mm Left	21 lbs
8.923-100.0	HM4031R.3	4.0	3000	8.2	1725	24mm Right	21 lbs
8.923-101.0	HM4031L.3	4.0	3000	8.2	1725	24mm Left	21 lbs
8.923-165.0	HM4030R.3	4.0	3000	8.2	1000	24mm Right	21 lbs
8.923-166.0	HM4030L.3	4.0	3000	8.2	1000	24mm Left	21 lbs



HT

HT SERIES: Belt Drive

Part No.	Model/Orig. I No.	GPM	PSI	HP	RPM	Shaft	Weight
8.921-718.0	HT4540.R.2	4.5	4000	12.3	1360	25mm Right	33 lbs
8.921-719.0	HT4540.L.2	4.5	4000	12.3	1360	25mm Left	33 lbs
8.921-720.0	HT6036.R.2	6.0	3600	14.7	1450	25mm Right	33 lbs
8.921-721.0	HT6036.L.2	6.0	3600	14.7	1450	25mm Left	33 lbs

10 Series VAN					
10° Trajectory Nozzle	Pressure psi	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
	15	7	1.93	3.80	4.39
	20	8	2.32	3.50	4.04
	25	9	2.52	3.00	3.46
	30	10	2.60	2.50	2.89
	15	7	1.45	3.80	4.39
	20	8	1.75	3.50	4.04
	25	9	1.89	3.00	3.46
	30	10	2.10	2.70	3.12
	15	7	0.97	3.80	4.39
	20	8	1.20	3.50	4.04
	25	9	1.26	3.00	3.46
	30	10	1.45	2.80	3.23
	15	7	0.48	3.80	4.39
	20	8	0.58	3.50	4.04
	25	9	0.63	3.00	3.46
	30	10	0.75	2.90	3.35

10 Series VAN					METRIC	
10° Trajectory Nozzle	Pressure bar	Radius m	Flow m³/h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
	1.0	2.1	0.44	7.3	96	111
	1.5	2.4	0.53	9.0	89	103
	2.0	2.7	0.57	9.8	76	88
	2.1	3.1	0.59	9.8	63	73
	1.0	2.1	0.33	5.5	96	111
	1.5	2.4	0.4	6.8	89	103
	2.0	2.7	0.43	7.8	76	88
	2.1	3.1	0.48	7.9	68	79
	1.0	2.1	0.22	3.7	96	111
	1.5	2.4	0.27	4.6	89	103
	2.0	2.7	0.29	5.3	76	88
	2.1	3.1	0.33	5.5	71	82
	1.0	2.1	0.11	1.8	96	111
	1.5	2.4	0.13	2.3	89	103
	2.0	2.7	0.14	2.7	76	88
	2.1	3.1	0.17	2.8	73	85

12 Series VAN					
15° Trajectory Nozzle	Pressure psi	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
	15	9	1.56	1.86	2.14
	20	10	1.86	1.79	2.06
	25	11	2.12	1.68	1.95
	30	12	2.36	1.58	1.82
	15	9	1.17	1.86	2.14
	20	10	1.39	1.79	2.06
	25	11	1.59	1.68	1.94
	30	12	1.77	1.58	1.82
	15	9	0.78	1.86	2.14
	20	10	0.93	1.79	2.06
	25	11	1.06	1.68	1.95
	30	12	1.18	1.58	1.82
	15	9	0.39	1.86	2.14
	20	10	0.46	1.79	2.06
	25	11	0.53	1.68	1.95
	30	12	0.59	1.58	1.82

12 Series VAN					METRIC	
15° Trajectory Nozzle	Pressure bar	Radius m	Flow m³/h	Flow l/m	 Precip mm/h	 Precip mm/h
	1.0	2.7	0.35	5.80	48	55
	1.5	3.2	0.44	7.37	43	50
	2.0	3.6	0.52	8.75	41	47
	2.1	3.7	0.54	9.02	40	46
	1.0	2.7	0.26	4.35	48	55
	1.5	3.2	0.33	5.53	43	50
	2.0	3.6	0.39	6.56	41	47
	2.1	3.7	0.41	6.76	40	46
	1.0	2.7	0.17	2.90	48	55
	1.5	3.2	0.22	3.69	43	50
	2.0	3.6	0.26	4.37	41	47
	2.1	3.7	0.27	4.51	40	46
	1.0	2.7	0.09	1.45	48	55
	1.5	3.2	0.11	1.84	43	50
	2.0	3.6	0.13	2.19	41	47
	2.1	3.7	0.14	2.25	40	46

15 Series VAN					
23° Trajectory Nozzle	Pressure psi	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
	15	11	2.60	2.07	2.39
	20	12	3.00	2.01	2.32
	25	14	3.30	1.62	1.87
	30	15	3.70	1.58	1.83
	15	11	1.95	2.07	2.39
	20	12	2.25	2.01	2.32
	25	14	2.48	1.62	1.87
	30	15	2.78	1.58	1.83
	15	11	1.30	2.07	2.39
	20	12	1.50	2.01	2.32
	25	14	1.65	1.62	1.87
	30	15	1.85	1.58	1.83
	15	11	0.65	2.07	2.39
	20	12	0.75	2.01	2.32
	25	14	0.82	1.62	1.87
	30	15	0.92	1.58	1.83

15 Series VAN					METRIC	
23° Trajectory Nozzle	Pressure bar	Radius m	Flow m³/h	Flow l/m	 Precip mm/h	 Precip mm/h
	1.0	3.4	0.60	9.8	52	60
	1.5	3.9	0.72	11.8	47	55
	2.0	4.5	0.84	13.7	41	48
	2.1	4.6	0.84	14.0	40	46
	1.0	3.4	0.45	7.4	52	60
	1.5	3.9	0.54	8.8	47	55
	2.0	4.5	0.63	10.3	41	48
	2.1	4.6	0.63	10.5	40	46
	1.0	3.4	0.30	4.9	52	60
	1.5	3.9	0.36	5.9	47	55
	2.0	4.5	0.42	6.9	41	48
	2.1	4.6	0.42	7.0	40	46
	1.0	3.4	0.15	2.5	52	60
	1.5	3.9	0.18	2.9	47	55
	2.0	4.5	0.21	3.4	41	48
	2.1	4.6	0.21	3.5	40	46

■ Square spacing based on 50% diameter of throw
 ▲ Triangular spacing based on 50% diameter of throw

Note: Turning the radius reduction screw may be required to achieve catalog radius and flow when the arc is set at less than maximum arc
 Performance data taken in zero wind conditions

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

Office Use Only			
Inspected by _____			
Twp _____	Rge _____	Sec _____	
1/4 _____		1/4 _____	
Lat: _____	: _____	Long: _____	: _____

WELL TAG NO. D-18307
 BILLING PERMIT NO. _____
 IF No. _____

OWNER:
 me OVERLAND ENTERPRISES INC.
 dress P.O. BOX 590 2805 WASHINGTON BLVD.
 y OGDEN State UT Zip 84401
PH-801-621-5663

LOCATION OF WELL by legal description:

etch map location must agree with written location.

N		E		S		W	
36		36		36		36	

Twp. 4 North ☒ or South ☐
 Rge. 3 East ☐ or West ☒
 Sec. 36 NW 1/4 SW 1/4 1/4 1/4
 Gov't Lot _____ County CAYUGA 10 acres 40 acres 160 acres
 Lat: _____ Long: _____
 Address of Well Site 4320 EAST
EVAN/AND BLVD. City CAIDWELL, ID.
 (Give at least name of road - Distance to Road or Landmark)

Blk. _____ Sub. # Name _____

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

TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

L METHOD
 air Rotary ☒ Cable ☐ Mud Rotary ☐ Other _____

SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
BENTONITE	0'	25'	400#	OVERBORE DRY PACK

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

CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
2"	43'	85'	1/4	STEEL	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

PERFORATIONS/SCREENS

Perforations _____ Method _____
 Screens 1-10FT Screen Type THANSON

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
75'	85'	0012		5"	STEEL	☐	☐

STATIC WATER LEVEL OR ARTESIAN PRESSURE:

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

11. WELL TESTS:

☒ Pump	☐ Bailor	☒ Air	☐ Flowing Artesian
Yield gal./min.	Drawdown	Pumping Level	Time
<u>70</u>	<u>20 FT</u>	<u>85</u>	<u>4 HRS</u>

Water Temp. 62 Bottom hole temp. _____

Water Quality test or comments: _____

Depth first Water Encounter 62'

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
10"	0'	4'	OVER BURDEN		☒
10"	4'	10'	HARD PAN		☒
10"	10'	25'	SANDY CLAY BROWN		☒
6"	25'	30'	ROCKY GRAVEL BED	☒	
6"	30'	32'	CLAY - GRAY		☒
6"	32'	65'	SANDY CLAY		☒
6"	65'	67'	CLAY GRAY		☒
6"	67'	85'	SAND & GRAVEL	☒	

Completed _____ Depth 85 FT (Measurable)

Date: Started 4-6-01 Completed 4-14-01

13. DRILLER'S CERTIFICATION

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

Company Name GARY'S WELL DRILLING Firm No. 317

Firm Official Ray W. Wilton Date 4-16-01

and Driller or Operator _____ Date _____

(Sign once if Firm Official & Operator)



Pressure washer
used to wash
ATV's.



The pressure
washing bay.



Well Tag
D0018307



The encapsulated
well.



Precipitation drains
to storm drain
system.



Precipitation drains
to storm drain
system.



Rain Bird 15 Series
VAN sprinkler
close up.



Rain Bird 15 Series
Van sprinkler
pulled out of
casing.





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

May 1, 2017

4 HECKS, LLC
5600 CLEVELAND BLVD
CALDWELL, ID 83607

COPY

RE: Scheduling Field Exam for Water Right Permit No. 63-31277

Dear Permit Holder:

We are planning to conduct water right examinations in the vicinity of the above-referenced permit **this season**. An examination is needed to verify the water use in order to issue a water right license.

The above-referenced permit authorizes **0.080 cfs of GROUND WATER for IRRIGATION and COMMERCIAL use**. **If you have developed a beneficial use and still own the place of use property, please contact me at your earliest convenience to schedule an examination.**

If you did not develop a beneficial use of water under the permit during the beneficial use period, a license cannot be issued and the permit should be relinquished. If that use was developed, but have ceased using the water and you currently carry no interest in it, please relinquish the permit by submitting the enclosed Relinquishment of Permit form (no fee required).

If you did develop a beneficial use of water under the permit, but you no longer own the place of use property identified in the permit, please submit the enclosed Assignment of Permit form with the applicable \$25 processing fee.

Please contact me within the next thirty (30) days at (208) 334-2190 to either schedule an examination or submit a relinquishment or assignment form. If you no longer own the place of use property and/or do not respond to this letter, the department will work with the current property owner to issue a license or void the permit.

Sincerely,

Justin Shearer
Water Resource Agent

Enclosures: Relinquishment of Permit form
Assignment of Permit form
Water Permit Report and Map



State of Idaho

DEPARTMENT OF WATER RESOURCES

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C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

May 1, 2017

OVERLAND ENTERPRISES INC
2605 WASHINGTON BLVD
PO BOX 590
OGDEN, UT 84401

COPY

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Assignment of Permit form
Water Permit Report and Map