

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-22967
Exam Date: 09/15/2020

1. Current Owner:

CARLITA F SEVERE MC IVER
330 BAYHORSE RD
BELLEVUE ID 83313-5076

2. Accompanied by: Carlita Severe McIver

Phone No: 208-788-2165

Address: same as above

Relationship to permit Holder: Permit holder

3. SOURCE:

GROUND WATER

Method of Determination: No surface water was visible; permit holder showed the well to me and noted that it was the source of the irrigation occurring on the property.

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
37-11848	Ground water	Stockwater, domestic	decree

Comments: Right 37-11848 is appurtenant to the same parcel.

2. Other water rights with the same point-of-diversion:

Water Right No.	Source	Purpose of Use	Basis
37-11848	Ground water	Stockwater, domestic	decree

Comments: Permit 37-22967 and right 37-11848 are both diverted from the same well.

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

GROUND WATER SW¼ NE¼, Sec. 31, Twp 02N, Rge 19E, B.M. BLAINE County

Method of Determination: ArcMap aerial imagery and site visit.

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	
02N	19E	31			2.0					1.1									3.1

Total Acres: 3.1

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	
02N	19E	31			X					X									

Method of Determination: ArcMap aerial imagery and site visit.

3.

X Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.

X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

X Aerial Photo Attached (required for irrigation of 10+ acres).

X 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
Unknown					

D. FLOW MEASUREMENTS

1.

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

2. Measurements: No measurement made per Beneficial Use Examination Rules.

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method: NA, rolled permitted flow rate onto license.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3.1 \times 3.5 = 10.9 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.06 \text{ cfs} \times 200 \text{ days} \times 1.9835 \text{ AF/day} = 23.8 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = \mathbf{10.9 \text{ AF}}$$

2. Volume Calculations for Other Uses: Stockwater – 5 horses per proof filed this year. 5 horses x 12 gallons per day x 365 days in the year = 21,900 gallons/325850 gallons per acre-foot = 0.07 round to **0.1 AF**. **Combined volume = 11.0 AF**

G. NARRATIVE/REMARKS/COMMENTS

The field exam for permit 37-22967 was conducted on September 15, 2020 with permit holder Carlita McIver in attendance. As a result of lower flows in Seamans Creek east of Bellevue, four downstream Seamans Creek senior water right holders in the Muldoon Ranch Subdivision were unable to have their water rights delivered to their properties due to excessive seepage in the valley above the subdivision. So, in 2015, they filed a transfer to have their Seamons Creek rights converted to Ground Water Recharge in an existing pond approximately one mile upstream. In conjunction with the transfers, they filed permits to divert ground water on their Muldoon Ranch Subdivision properties, using the Ground Water Recharge rights as mitigation for the new permits. In the case of permit 37-22967, the McIver property had a 0.06 cfs (0.06 cfs irrigation, 0.02 cfs stockwater), 2.3 acre Seamans Creek right which was converted to Ground Water Recharge, and she then filed this permit for the same amounts from the existing well on her property.

Water is diverted from the well via pipelines to mostly underground sprinkler systems near the home and above-ground movable sprinklers in the pastures on the property. In addition, on the day of the exam, two stockwater troughs were in place in the pastures (with horses) which were filled via hoses and could be moved from place to place.

No measurement was made, as the flow rate was below that requiring a measurement in the Beneficial Use Examination Rules. A flowmeter was in place on the day of the exam and the valves controlling the water distribution in the well house could be locked, satisfying the condition for a measuring device and lockable controlling works.

A measurement of the flow rate was not necessary, per Beneficial Use Examination Rules, so I recommend rolling over the permitted flow rate of 0.06 cfs for irrigation and 0.02 cfs for stockwater, with an overall diversion rate of 0.06 cfs. A volume of 10.9 AF was calculated for irrigation and a volume of 0.1 AF was calculated for stockwater use, for an overall volume of 11.0 AF.

The permitted point of diversion does not match the actual location, so an amendment of permit has been mailed out to the permit holder.

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>Annual Volume</u>
IRRIGATION	04/15 to 10/31	0.06 CFS	10.9 AF
STOCKWATER	01/01 to 12/31	0.02 CFS	0.1 AF

Totals: **0.06 CFS** **11.0 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 Jim Bitzenburg Date 9-17-2020
Jim Bitzenburg - Senior Water Resource Agent

Reviewer _____ Date _____



Point of Diversion (well, at yellow arrow), and flow meter (red arrow).

Place of Use – Pasture with sprinkler line; stockwater trough in foreground.





Place of Use – Irrigated pasture with horses grazing.





POU for Ground Water Recharge for mitigation right (37-11850) for this permit

Measuring device at inlet of recharge pond



37-22967 McIver

37-22967 Stockwater POU and POD



Legend

- Township/Range
- Sections
- QQ
- Stockwater POU

0 0.00750.015 0.03 Miles



37-22967 Irrigation POU and POD



Legend

- Township/Range
- Sections
- QQ
- Irrigation POU

0 0.0075 0.015 0.03 Miles



37-22967 System Diagram



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SEP 01 2020

WATER DISTRICT 37

CANAL NAME SEAMANS CREEK RECHARGE

DEPT OF WATER RESOURCES
SOUTHERN REGION 2017

OWNER VARIOUS

DATE	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	DATE
1		3.89	4.25	3.40	1.75	0.80	0.80	1
2		3.89	4.25	3.40	1.75	0.80	0.80	2
3		3.89	4.25	3.40	1.75	0.80	0.80	3
4		3.89	4.25	3.40	1.75	0.80	0.80	4
5		3.89	4.25	3.40	1.75	0.80	0.80	5
6		3.89	4.25	3.40	1.75	0.80	0.80	6
7		3.89	4.25	3.40	1.75	0.80	0.80	7
8		3.89	4.25	3.40	1.75	0.80	0.80	8
9		3.89	4.25	3.40	1.75	0.80	0.80	9
10		3.89	4.25	2.59	1.75	0.80	0.80	10
11		3.89	4.25	2.59	1.75	0.80	0.80	11
12		3.89	4.25	2.59	1.75	0.80	0.80	12
13		3.89	4.80	2.59	1.75	0.80	0.80	13
14		3.89	4.80	2.59	1.75	0.80	0.80	14
15	4.10	3.89	4.80	2.59	1.12	0.80	0.80	15
16	4.10	4.25	4.80	2.59	1.12	0.80		16
17	4.10	4.25	4.80	2.59	1.12	0.80		17
18	4.10	4.25	4.80	2.59	1.12	0.80		18
19	4.10	4.25	4.80	2.59	1.12	0.80		19
20	4.10	4.25	4.80	2.59	1.12	0.80		20
21	4.10	4.25	4.80	2.59	1.12	0.80		21
22	4.10	4.25	4.80	2.59	1.12	0.80		22
23	4.10	4.25	4.80	2.59	1.12	0.80		23
24	4.10	4.25	4.10	2.59	1.12	0.80		24
25	4.10	4.25	4.10	2.59	1.12	0.80		25
26	4.10	4.25	4.10	2.59	1.12	0.80		26
27	4.10	4.25	4.10	2.59	1.12	0.80		27
28	4.10	4.25	4.10	1.75	1.12	0.80		28
29	4.10	4.25	4.10	1.75	1.12	0.80		29
30	4.10	4.25	4.10	1.75	1.12	0.80		30
31		4.25		1.75	1.12			31
TOTAL	65.60	126.35	132.50	84.22	43.54	24.00	12.00	

YEARLY C F S 488
 YEARLY ACRE FEET 967
 TOTAL NO OF DAYS 184
 YEARLY MEAN 3

37-22967

Carlita F. Severe McIver

WATER DISTRICT 37

CANAL NAME		SEAMANS CREEK RECHARGE						2018
OWNER		VARIOUS						
DATE	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	DATE
1		3.00	3.50	2.50	1.20	0.80	0.60	1
2		3.00	3.50	2.50	1.20	0.80	0.60	2
3		3.00	3.50	1.80	1.20	0.80	0.60	3
4		3.00	3.50	1.80	1.20	0.80	0.60	4
5		3.00	3.50	1.80	1.20	0.80	0.60	5
6		3.00	3.50	1.80	0.80	0.60	0.60	6
7		3.00	3.50	1.80	0.80	0.60	0.60	7
8		3.00	3.50	1.80	0.80	0.60	0.60	8
9		3.00	3.50	1.80	0.80	0.60	0.60	9
10		3.00	3.50	1.80	0.80	0.60	0.60	10
11		3.00	3.50	1.80	0.80	0.60	0.60	11
12		3.00	2.50	1.80	0.80	0.60	0.60	12
13		3.00	2.50	1.20	0.80	0.60	0.60	13
14		3.00	2.50	1.20	0.80	0.60	0.60	14
15	3.00	3.00	2.50	1.20	0.80	0.60	0.60	15
16	3.00	3.00	2.50	1.20	0.80	0.60		16
17	3.00	3.00	2.50	1.20	0.80	0.60		17
18	3.00	3.00	2.50	1.20	0.80	0.60		18
19	3.00	3.00	2.50	1.20	0.80	0.60		19
20	3.00	3.00	2.50	1.20	0.80	0.60		20
21	3.00	3.00	2.50	1.20	0.80	0.60		21
22	3.00	3.00	2.50	1.20	0.80	0.60		22
23	3.00	3.00	2.50	1.20	0.80	0.60		23
24	3.00	3.00	2.50	1.20	0.80	0.60		24
25	3.00	3.00	2.50	1.20	0.80	0.60		25
26	3.00	3.00	2.50	1.20	0.80	0.60		26
27	3.00	3.00	2.50	1.20	0.80	0.60		27
28	3.00	3.00	2.50	1.20	0.80	0.60		28
29	3.00	3.00	2.50	1.20	0.80	0.60		29
30	3.00	3.50	2.50	1.20	0.80	0.60		30
31		3.50		1.20	0.80			31
TOTAL	48.00	94.00	86.00	45.80	26.80	19.00	9.00	

YEARLY C F S	329
YEARLY ACRE FEET	651
TOTAL NO OF DAYS	184
YEARLY MEAN	2

37-22967
Carlita F. Severe McIver

WATER DISTRICT 37

CANAL NAME		SEAMANS CREEK RECHARGE						2019
OWNER		VARIOUS						
DATE	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	DATE
1		3.00	3.50	2.50	1.80	1.20	1.00	1
2		3.00	3.50	2.50	1.80	1.20	1.00	2
3		3.00	3.50	1.80	1.80	1.20	1.00	3
4		3.00	3.50	1.80	1.80	1.20	1.00	4
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9		3.00	3.50	1.80	1.80	1.20	1.00	9
10		3.00	3.50	1.80	1.80	1.20	1.00	10
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12		3.00	2.50	1.80	1.80	1.20	1.00	12
13		3.00	2.50	1.80	1.80	1.20	1.00	13
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20	3.00	3.00	2.50	1.80	1.80	1.20		20
21	3.00	3.00	2.50	1.80	1.80	1.20		21
22	3.00	3.00	2.50	1.80	1.20	1.00		22
23	3.00	3.00	2.50	1.80	1.20	1.00		23
24	3.00	3.00	2.50	1.80	1.20	1.00		24
25	3.00	3.00	2.50	1.80	1.20	1.00		25
26	3.00	3.00	2.50	1.80	1.20	1.00		26
27	3.00	3.00	2.50	1.80	1.20	1.00		27
28	3.00	3.00	2.50	1.80	1.20	1.00		28
29	3.00	3.00	2.50	1.80	1.20	1.00		29
30	3.00	3.50	2.50	1.80	1.20	1.00		30
31		3.50		1.80	1.20			31
TOTAL	48.00	94.00	86.00	57.20	49.80	34.20	15.00	

YEARLY C F S	384
YEARLY ACRE FEET	761
TOTAL NO OF DAYS	184
YEARLY MEAN	2

37-22967
Carlita F. Severe McIver

USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Water Resources

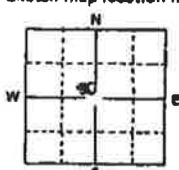
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WELL DRILLER'S REPORT

JUL 8 1976

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

Department of Water Resources
Southern District Office

1. WELL OWNER Name <u>Sam Severe</u> Address <u>Bellevue, Idaho</u> Owner's Permit No. _____ Dupat.		7. WATER LEVEL Static water level <u>79</u> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature _____ ° F. Quality <u>good</u> Artesian closed-in pressure _____ p.s.i. Controlled by ☐ Valve ☐ Cap ☐ Plug																																																					
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning)		8. WELL TEST DATA ☐ Pump ☒ Bailer ☐ Other Discharge G.P.M. _____ Draw Down <u>5'</u> Hours Pumped _____																																																					
3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type) _____ ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection		9. LITHOLOGIC LOG 033662 <table border="1"><thead><tr><th rowspan="2">Hole Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td>10"</td><td>0</td><td>8</td><td>Top soil</td><td></td><td>x</td></tr><tr><td>10"</td><td>8</td><td>18</td><td>Clay</td><td></td><td>x</td></tr><tr><td>8"</td><td>18</td><td>62</td><td>Clay</td><td></td><td>x</td></tr><tr><td>8"</td><td>62</td><td>69</td><td>Clay with fine gravel</td><td></td><td>x</td></tr><tr><td>8"</td><td>69</td><td>80</td><td>Clay with sand</td><td></td><td>x</td></tr><tr><td>8"</td><td>80</td><td>95</td><td>Brown clay</td><td></td><td>x</td></tr><tr><td>8"</td><td>95</td><td>117'</td><td>Gravel</td><td>x</td><td></td></tr></tbody></table>		Hole Diam.	Depth		Material	Water		From	To	Yes	No	10"	0	8	Top soil		x	10"	8	18	Clay		x	8"	18	62	Clay		x	8"	62	69	Clay with fine gravel		x	8"	69	80	Clay with sand		x	8"	80	95	Brown clay		x	8"	95	117'	Gravel	x	
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4. METHOD DRILLED ☒ Cable ☐ Rotary ☐ Dug ☐ Other																																																							
5. WELL CONSTRUCTION Diameter of hole <u>8</u> inches Total depth <u>117'2"</u> feet Casing schedule: ☒ Steel ☐ Concrete <table border="1"><thead><tr><th>Thickness</th><th>Diameter</th><th>From</th><th>To</th></tr></thead><tbody><tr><td><u>.250</u> inches</td><td><u>8</u> inches</td><td><u>1</u> feet</td><td><u>117'2"</u> feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></table> Was casing drive shoe used? ☒ Yes ☐ No Was a packer or seal used? ☒ Yes ☐ No Perforated? ☒ Yes ☐ No How perforated? ☐ Factory ☒ Knife ☐ Torch Size of perforation <u>1/4</u> inches by <u>1 1/2</u> inches <table border="1"><thead><tr><th>Number</th><th>From</th><th>To</th></tr></thead><tbody><tr><td><u>80</u> perforations</td><td><u>95</u> feet</td><td><u>115</u> feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></table> Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No Size of gravel _____ Packed from _____ feet to _____ feet Surface seal depth <u>18'</u> Material used in seal ☐ Cement grout ☒ Puddling clay ☐ Well cuttings Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☐ Overbore to seal depth		Thickness	Diameter	From	To	<u>.250</u> inches	<u>8</u> inches	<u>1</u> feet	<u>117'2"</u> feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	Number	From	To	<u>80</u> perforations	<u>95</u> feet	<u>115</u> feet	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet																		
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6. LOCATION OF WELL Sketch map location must agree with written location.  Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Blaine</u> S. E. 1/4 N. W. 1/4 Sec. <u>31</u> T. <u>2</u> N. N. S. R. <u>19</u> E. W.		10. Work started <u>5/15/76</u> finished <u>5/25/76</u>																																																					
		11. DRILLER'S CERTIFICATION Firm Name <u>Ken Smith Well Drilling</u> Firm No. <u>265</u> Address <u>Box 1165 Hailey, Idaho</u> Date <u>5/27/76</u> Signed by (Firm Official) <u>Ken Smith</u> and (Operator) <u>Ken Smith</u>																																																					

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE COPY TO

37-22967

Carlita F. Severe McIver