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AMENDED

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STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

Ident. No. 63-33639

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

WATER RESOURCES
WESTERN REGION1. Name of applicant(s) Snake River Dairies, LLC Phone 208-495-2034Name connector (check one): ☐ and ☐ or ☐ and/orMailing address: 15188 S. Can-Ada Road City MelbaState ID Zip 83641 Email: _____2. Source of water supply Ground Water which is a tributary of _____

3. Location of point(s) of diversion:

Twp	Rge	Sec	Govt Lot	¼	¼	¼	County	Source	Local name or tag #
1S	1W	20			SE	SE	Ada	Ground Water	
1S	1W	29			NW	NW	Ada	Ground Water	

4. Water will be used for the following purposes:

Amount 1.95 cfs for Irrigation purposes from 3/1 to 11/15 (both dates inclusive)
(cfs or acre-feet per year)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)5. Total quantity to be appropriated is (a) 1.95 cubic feet per second (cfs) and/or (b) _____ acre-feet per year (af).

6. Proposed diverting works:

a. Describe type and size of devices used to divert water from the source. Two existing wells, pumps, sprinklers

b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 11.

For dams 10 feet or more in height OR reservoirs with a total storage capacity of 50 acre-feet or more, submit a separate Application for Construction or Enlargement of a New or Existing Dam. Application required? ☐ Yes ☐ Noc. Proposed well diameter is 12 & 16 inches; proposed depth of well is 706 & 314 feet.d. Is ground water with a temperature of greater than 85°F being sought? ☐ Yes ☒ Noe. If well is already drilled, when? 1970 & 1977; drilling firm Hiddleston & Doty;Well was drilled for (well owner) Verde Anderson & Duane Pancheri; Drilling Permit No. 802780 & 820311.

7. Description of proposed uses (if irrigation only, go to item 8):

a. Hydropower; show total feet of head and proposed capacity in kW. _____

b. Stockwatering; list number and kind of livestock. _____

c. Municipal; show name of municipality or the applicant's qualifications as a municipal provider. _____

d. Domestic; show number of households _____

e. Other; describe fully. _____

8. Description of place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
1S	1W	20													40	25	26	40	131
		29	33	4															37

Total number of acres to be irrigated: 168

9. Describe any other water rights used for the same purposes as described above. Include water delivered by a municipality, canal company, or irrigation district. If this application is for domestic purposes, do you intend to use this water, water from another source, or both, to irrigate your lawn, garden, and/or landscaping? 63-7270B and 63-7270A.

10. a. Who owns the property at the point of diversion? Applicant (Section 20 SESE); Tlucek (Section 29 NWNW)
- b. Who owns the land to be irrigated or place of use? Applicant & Jerry & Mary Louise Tlucek (see ownership map).
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: Portion of Sec 20 W1/2 SE1/4 is owned by Jerry and Mary Louise Tlucek who have signed this application.
11. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary. Currently 141.2 of the 168 acres proposed above are authorized for irrigation at full volume and a diversion rate of 0.01 cfs/acre under water rights 63-7270A (2.1 acre, 0.02 cfs, 9.4 afa) and 63-7270B (140 acres, 1.39 cfs, 629.9 afa). This application proposes irrigation of all 168 acres described above at full appropriation of 0.02 cfs and 4.5 afa per acre: 168 ac x 0.02 cfs/acre = 3.36 cfs; 3.36 cfs - 0.02 - 1.39 = 1.95 cfs by this application; 25.9 new acres x 4.5 afa/ac = 116.6 afa. Water bearing zone to be appropriated is from 150 feet to 706 feet.

12. Time required for completion of works and application of water to proposed beneficial use is 5 years (minimum 1 year).
13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½" x 11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.

The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.

Jerry Lee Tlucek

Signature of Applicant
Jerry Lee Tlucek,
as individual and member of applicant

Print Name (and title, if applicable)

Mary Louise Tlucek

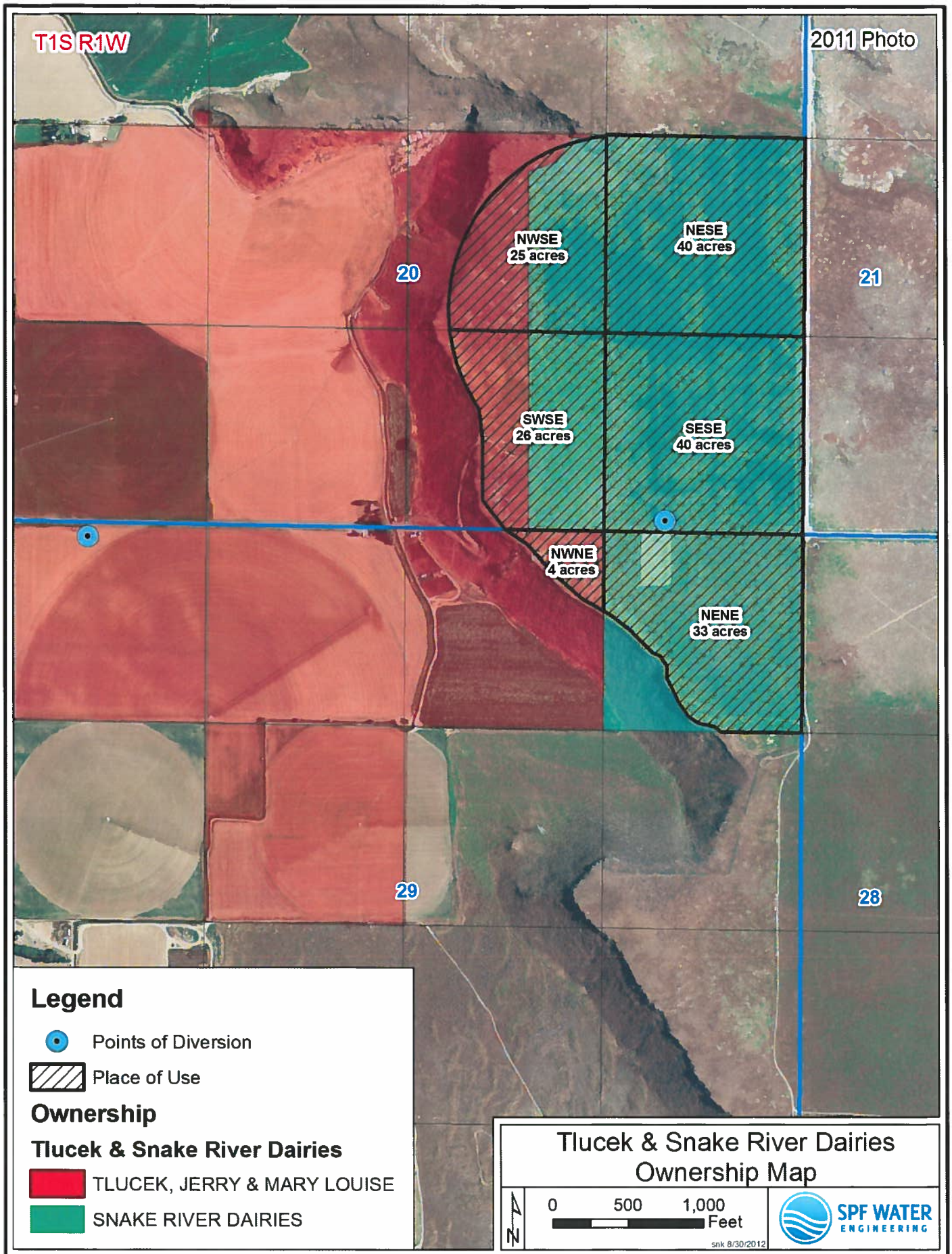
Signature of Applicant
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Print Name (and title, if applicable)

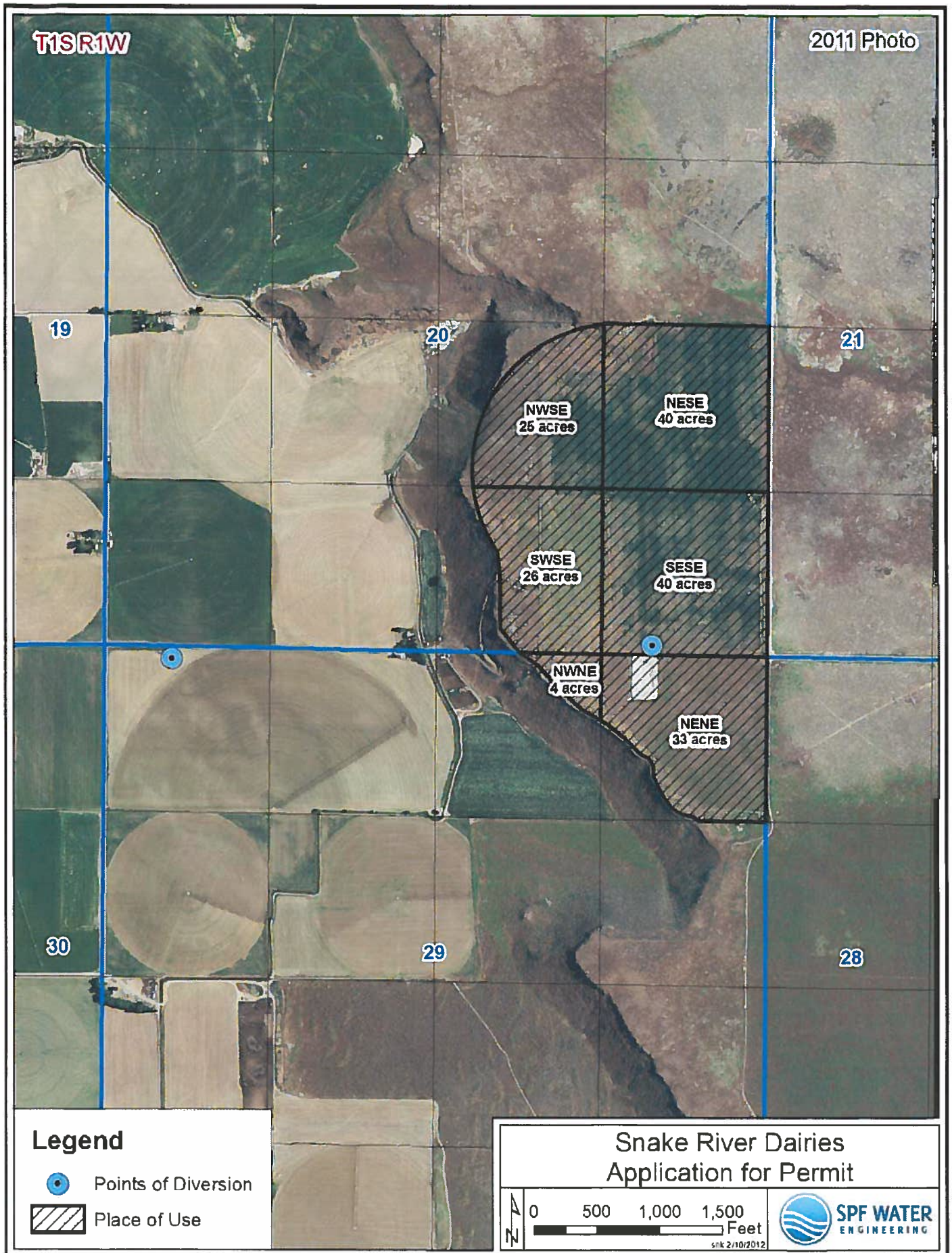
For Department Use:

Received by dh Date 10/24/2012 Time _____ Preliminary check by dh

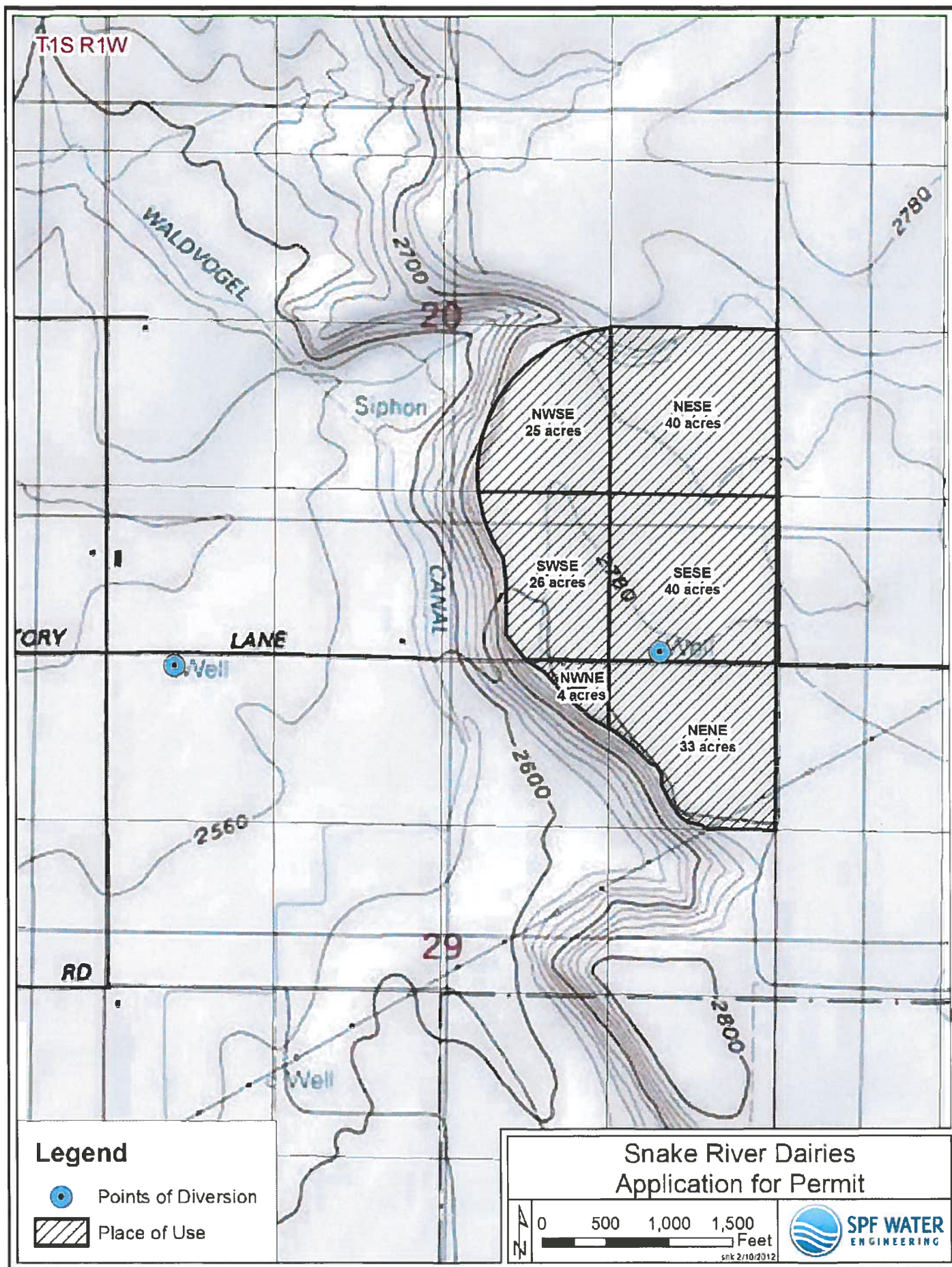
Fee \$ 330.00 Receipted by RS Receipt No. W040038 Date 4-4-12 (w/ original application)



63-33639



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USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Reclamation

WELL DRILLER'S REPORT

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

1. WELL OWNER Name <u>Verde Mountain</u> Address <u>Meridian, Idaho</u> Owner's Permit No. <u>63-7270</u>		7. WATER LEVEL Static water level <u>100</u> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature _____ ° F. Quality _____ Artesian closed-in pressure _____ p.s.i. Controlled by ☐ Valve ☐ Cap ☐ Plug																																																																																																																																																					
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6. LOCATION OF WELL Sketch map location must agree with written location. N W E S 63 7270 County <u>Carroll</u> T. <u>3E</u> S. <u>1</u> R. <u>1</u> -N/S, R. <u>1</u> -E/W		10. Work started <u>11/19/69</u> finished <u>2/12/70</u>																																																																																																																																																					
		11. DRILLER'S CERTIFICATION This well was drilled under my supervision and this report is true to the best of my knowledge. C. L. Middleton & Son 31 Driller's or Firm's Name Address <u>Mountain Home, Idaho</u> Signed By <u>C. L. Middleton</u> 2/25/70 Date																																																																																																																																																					

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

63-33639

USE TYPEWRITER OR
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State of Idaho
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WELL DRILLER'S REPORT

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

1. WELL OWNER Name <u>Verda Anderson</u> Address <u>Meridian, Idaho</u> Owner's Permit No. <u>63-7270</u>		7. WATER LEVEL Static water level <u>106</u> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature _____ Quality _____ Artesian closed-in pressure _____ p.s.i. Controlled by ☐ Valve ☐ Cap ☐ Plug																																																																																																																																															
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	481	521	Blue clay and gravel. water seams.	X																																																																																																																																													
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		11. DRILLER'S CERTIFICATION This well was drilled under my supervision and this report is true to the best of my knowledge. C. L. Hiddleston & Son <u>35</u> Driller's or Firm's Name _____ Number _____ Mountain Home, Idaho Address _____ Signed By <u>C. L. Hiddleston</u> Date <u>2/25/70</u>																																																																																																																																															

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE STATE ENGINEER

63-33639

WELL DRILLER'S REPORT

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.

1. WELL OWNER Name <u>Duane Pascheri</u> Address <u>Malba, Id.</u> Owner's Permit No. <u>63-8604</u>	7. WATER LEVEL Static water level <u>153</u> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature _____ ° F. Quality _____ 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 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Discharge G.P.M.</th> <th>Draw Down</th> <th>Hours Pumped</th> </tr> </thead> <tbody> <tr> <td>1500</td> <td>80'</td> <td>4</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Discharge G.P.M.	Draw Down	Hours Pumped	1500	80'	4																																																																																																																																																																																		
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USE ADDITIONAL SHEETS IF NECESSARY

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63-33639

ORIGINAL

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

Ident. No. 63-33639**APPLICATION FOR PERMIT**

To appropriate the public waters of the State of Idaho

1. Name of applicant(s) Snake River Dairies, LLC Phone 208-495-2034Name connector (check one): ☐ and ☐ or ☐ and/orMailing address: 15188 S. Can-Ada Road City MelbaState ID Zip 83641 Email: _____2. Source of water supply Ground Water which is a tributary of _____

3. Location of point(s) of diversion:

Twp	Rge	Sec	Govt Lot	¼	¼	¼	County	Source	Local name or tag #
1S	1W	20			SE	SE	Ada	Ground Water	
1S	1W	29			NW	NW	Ada	Ground Water	

4. Water will be used for the following purposes:

Amount 2.50 cfs for Irrigation purposes from 3/1 to 11/15 (both dates inclusive)
(cfs or acre-feet per year)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)5. Total quantity to be appropriated is (a) 2.50 cubic feet per second (cfs) and/or (b) _____ acre-feet per year (af).

6. Proposed diverting works:

a. Describe type and size of devices used to divert water from the source. Two existing wells, pumps, sprinklers

b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 11.

For dams 10 feet or more in height OR reservoirs with a total storage capacity of 50 acre-feet or more, submit a separate Application for Construction or Enlargement of a New or Existing Dam. Application required? ☐ Yes ☐ Noc. Proposed well diameter is 12 & 16 inches; proposed depth of well is 706 & 314 feet.d. Is ground water with a temperature of greater than 85°F being sought? ☐ Yes ☒ Noe. If well is already drilled, when? 1970 & 1977; drilling firm Hiddleston & Doty;Well was drilled for (well owner) Verde Anderson & Duane Pancheri; Drilling Permit No. 802780 & 820311.

7. Description of proposed uses (if irrigation only, go to item 8):

a. Hydropower; show total feet of head and proposed capacity in kW. _____

b. Stockwatering; list number and kind of livestock. _____

c. Municipal; show name of municipality or the applicant's qualifications as a municipal provider. _____

d. Domestic; show number of households _____

e. Other; describe fully. _____

RECEIVED

APR 04 2012

SUPERSEDED BY AMENDED APP RECEIVED 10/24/2012

WATER RESOURCES
WESTERN REGION

8. Description of place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
1S	1W	20													40	25	26	40	131
		29	33	4															37

Total number of acres to be irrigated: 168

9. Describe any other water rights used for the same purposes as described above. Include water delivered by a municipality, canal company, or irrigation district. If this application is for domestic purposes, do you intend to use this water, water from another source, or both, to irrigate your lawn, garden, and/or landscaping? 63-7270B and 63-7270A.

10. a. Who owns the property at the point of diversion? Applicant
- b. Who owns the land to be irrigated or place of use? Applicant, except Section 29 NENE.
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: The property in Section 29 NENE is owned by Jerry and Mary Louise Tlucek who have signed this application
11. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary. Currently 85 of the 168 acres proposed above are authorized for irrigation at full volume and a diversion rate of 0.01 cfs/acre under water right 63-7270B (0.84 cfs, 382.4 afa). Water right 63-7270A provides the same duties for 2.1 acres (0.02 cfs, 9.4 afa). This application proposed irrigation of all 168 acres described above at full appropriation of 0.02 cfs and 4.5 afa per acre: 168 ac x 0.02 cfs/acre = 3.36 cfs; 3.36 cfs - 0.86 = 2.50 cfs; 168 ac x 4.5 afa/ac = 756 afa; 756 afa - 391.8 afa = 364.2 afa.
- Water bearing zone to be appropriated is from 150 feet to 706 feet.
12. Time required for completion of works and application of water to proposed beneficial use is 5 years (minimum 1 year).
13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½" x 11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.

The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.

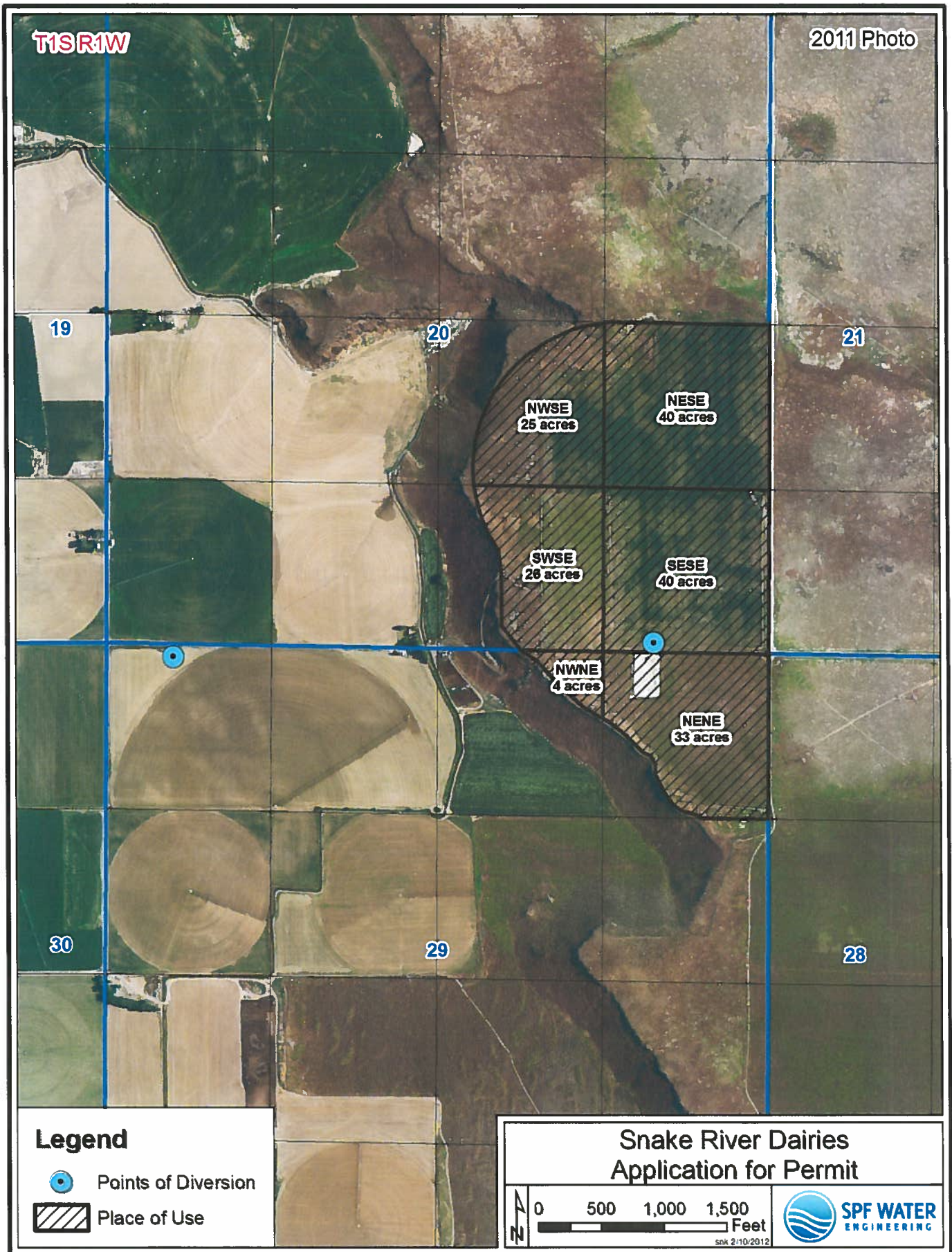
Jerry Tlucek
Signature of Applicant
JERRY TLUCEK (MEMBER)
Print Name (and title, if applicable)

Mary Louise Tlucek
Signature of Applicant
Mary Louise Tlucek member
Print Name (and title, if applicable)

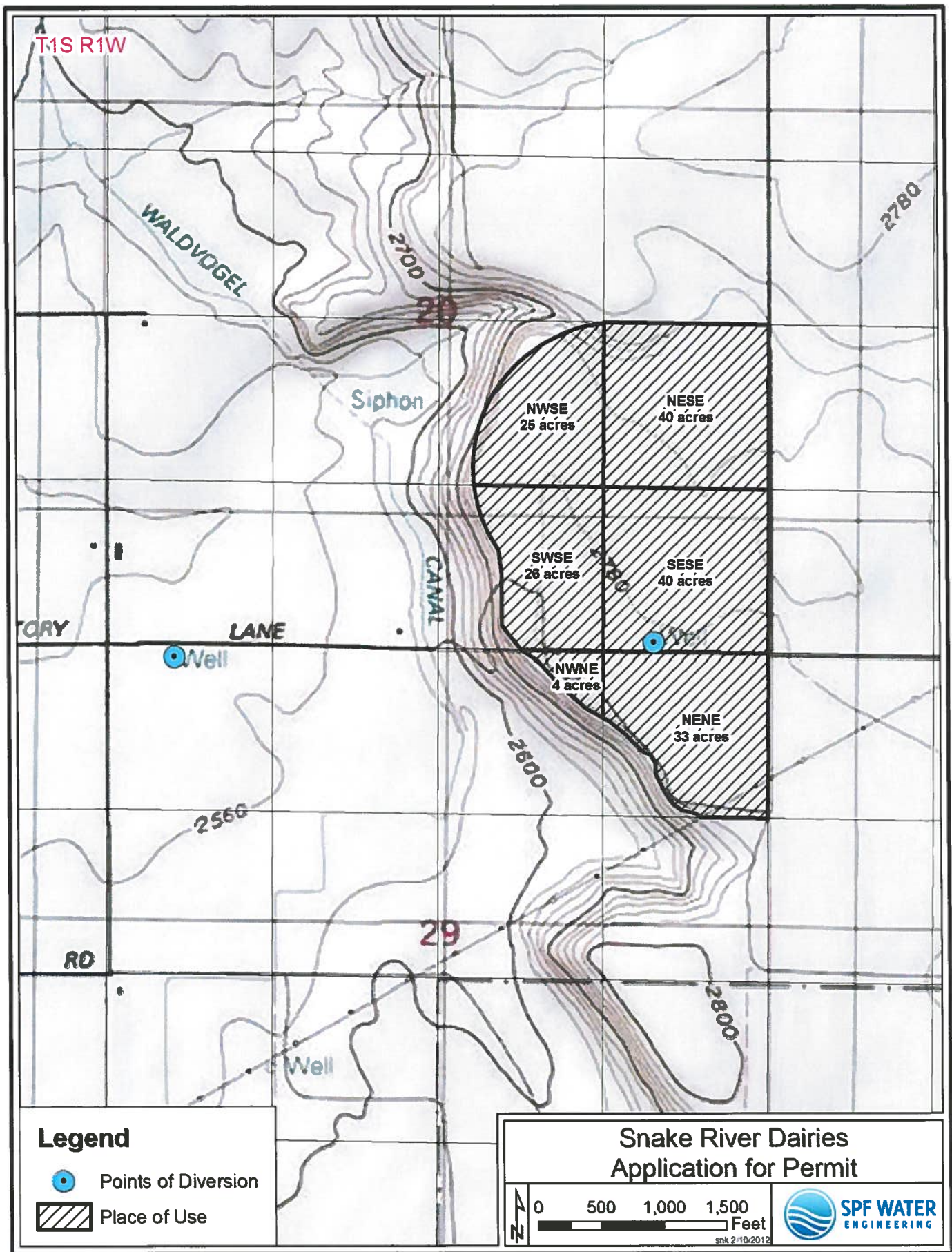
For Department Use:

Received by RS Date 4-4-12 Time 4:56pm Preliminary check by AS
Fee \$ 330- Received by RS Receipt No. W040038 Date 4-4-12

SUPERSEDED BY AMENDED APP RECEIVED 10/24/2012.



SUPERSEDED BY AMENDED APP RECEIVED 10/24/2012. AA 63-33639



SUPERSEDED BY AMENDED APP RECEIVED 10/24/2012. JH

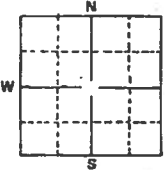
63-33639

USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Reclamation

WELL DRILLER'S REPORT

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

1. WELL OWNER Name <u>Varia</u> Address <u>Meridian, Idaho</u> Owner's Permit No. <u>63-7270</u>		7. WATER LEVEL Static water level <u>106</u> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature _____ ° F. Quality _____ Artesian closed-in pressure _____ p.s.i. Controlled by ☐ Valve ☐ Cap ☐ Plug																																																																																																																																																					
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USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

RECORDED BY ALFRED APP RECEIVED 10/24/2017

USE TYPEWRITER OR
BALL-POINT PEN

State of Idaho
Department of Reclamation

WELL DRILLER'S REPORT

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

1. WELL OWNER Name <u>Verde Anderson</u> Address <u>Meridian, Idaho</u> Owner's Permit No. <u>63-7270</u>	7. WATER LEVEL Static water level <u>1406</u> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature _____ ° F. Quality _____ Artesian closed-in pressure _____ p.s.i. Controlled by ☐ Valve ☐ Cap ☐ Plug																																																																																																																																																				
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<u>5</u> per. ft perforations	<u>451</u> feet	<u>525</u> feet																																																																																																																																																			
<u>5</u> per. ft perforations	<u>410</u> feet	<u>423</u> feet																																																																																																																																																			
6. LOCATION OF WELL Sketch map location must agree with written location. County <u>Blaine</u> _____ N. _____ Sec. _____ T. <u>1</u> - N/S, R. <u>1</u> - E/W	10. Work started <u>11/19/69</u> finished <u>2/12/70</u> 11. DRILLER'S CERTIFICATION <u>63-7270</u> This well was drilled under my supervision and this report is true to the best of my knowledge. O. L. Middleston & Son <u>35</u> Driller's or Firm's Name _____ Number _____ Mountain Home, Idaho Address _____ Signed By <u>O. L. Middleston</u> Date <u>2/25/70</u>																																																																																																																																																				

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE REPORT TO THE STATE RECLAMATION ENGINEER

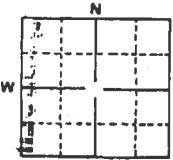
RECEIVED BY AMENDED APP RECEIVED

USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Water Resources

WELL DRILLER'S REPORT

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.

1. WELL OWNER Name <u>Duane Porcheri</u> Address <u>Melba, Id.</u> Owner's Permit No. <u>63-8604</u>	7. WATER LEVEL Static water level <u>153</u> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature _____ ° F. Quality _____ 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 <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Discharge G.P.M.</th> <th>Draw Down</th> <th>Hours Pumped</th> </tr> <tr> <td><u>1000</u></td> <td><u>80'</u></td> <td><u>4</u></td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	Discharge G.P.M.	Draw Down	Hours Pumped	<u>1000</u>	<u>80'</u>	<u>4</u>																																																																																																																																																																						
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3. PROPOSED USE ☐ Domestic ☒ Irrigation ☐ Test ☐ Other (specify type) ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection	9. LITHOLOGIC LOG 104109 <table border="1" style="width:100%; border-collapse: collapse;"> <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>30</td><td>1</td><td>2</td><td>Top Soil</td><td></td><td>X</td></tr> <tr><td>30</td><td>2</td><td>4</td><td>Hard pan</td><td></td><td>X</td></tr> <tr><td>30</td><td>4</td><td>8</td><td>Shale rock</td><td></td><td>X</td></tr> <tr><td>30</td><td>8</td><td>14</td><td>Broken Shale</td><td></td><td>X</td></tr> <tr><td>24</td><td>14</td><td>53</td><td>Broken Shale & Limestone Pockets</td><td></td><td>X</td></tr> <tr><td>24</td><td>53</td><td>58</td><td>Limestone</td><td></td><td>X</td></tr> <tr><td>24</td><td>58</td><td>64</td><td>Shale</td><td></td><td>X</td></tr> <tr><td>24</td><td>64</td><td>68</td><td>Limestone</td><td></td><td>X</td></tr> <tr><td>24</td><td>68</td><td>95</td><td>Shale with Veins</td><td></td><td>X</td></tr> <tr><td>24</td><td>95</td><td>114</td><td>Shale</td><td></td><td>X</td></tr> <tr><td>24</td><td>114</td><td>118</td><td>Thin Clay</td><td></td><td>X</td></tr> <tr><td>24</td><td>118</td><td>130</td><td>Limestone</td><td></td><td>X</td></tr> <tr><td>24</td><td>130</td><td>131</td><td>Shale</td><td></td><td>X</td></tr> <tr><td>24</td><td>131</td><td>163</td><td>Limestone</td><td>X</td><td></td></tr> <tr><td>24</td><td>163</td><td>167</td><td>Shale rock</td><td></td><td>X</td></tr> <tr><td>24</td><td>167</td><td>169</td><td>Limestone</td><td>X</td><td></td></tr> <tr><td>20</td><td>169</td><td>172</td><td>Shale</td><td></td><td>X</td></tr> <tr><td>20</td><td>172</td><td>195</td><td>Limestone</td><td>X</td><td></td></tr> <tr><td>16</td><td>195</td><td>197</td><td>Shale</td><td></td><td>X</td></tr> <tr><td>16</td><td>197</td><td>205</td><td>Peta. Shale & Sand</td><td>X</td><td></td></tr> <tr><td>16</td><td>205</td><td>220</td><td>Sandy Clay & Sand</td><td>X</td><td></td></tr> <tr><td>16</td><td>220</td><td>232</td><td>Clay Blue sticky</td><td>X</td><td></td></tr> <tr><td>16</td><td>232</td><td>245</td><td>Sand Med coarse</td><td>X</td><td></td></tr> <tr><td>16</td><td>245</td><td>250</td><td>With Fine & Meddy</td><td></td><td></td></tr> <tr><td>16</td><td>245</td><td>250</td><td>Sand light brown coarse</td><td>X</td><td></td></tr> <tr><td>16</td><td>250</td><td>280</td><td>Sand dark brown with mud & some clay</td><td>X</td><td></td></tr> <tr><td>12</td><td>280</td><td>314</td><td>sticks not sticky Blue clay</td><td></td><td>X</td></tr> </tbody> </table>	Hole Diam.	Depth		Material	Water		From	To	Yes	No	30	1	2	Top Soil		X	30	2	4	Hard pan		X	30	4	8	Shale rock		X	30	8	14	Broken Shale		X	24	14	53	Broken Shale & Limestone Pockets		X	24	53	58	Limestone		X	24	58	64	Shale		X	24	64	68	Limestone		X	24	68	95	Shale with Veins		X	24	95	114	Shale		X	24	114	118	Thin Clay		X	24	118	130	Limestone		X	24	130	131	Shale		X	24	131	163	Limestone	X		24	163	167	Shale rock		X	24	167	169	Limestone	X		20	169	172	Shale		X	20	172	195	Limestone	X		16	195	197	Shale		X	16	197	205	Peta. Shale & Sand	X		16	205	220	Sandy Clay & Sand	X		16	220	232	Clay Blue sticky	X		16	232	245	Sand Med coarse	X		16	245	250	With Fine & Meddy			16	245	250	Sand light brown coarse	X		16	250	280	Sand dark brown with mud & some clay	X		12	280	314	sticks not sticky Blue clay		X
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5. WELL CONSTRUCTION Diameter of hole <u>24</u> inches Total depth <u>314</u> feet Casing schedule: ☒ Steel ☐ Concrete <table border="1" style="width:100%; border-collapse: collapse;"> <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>24</u> inches</td> <td><u>1</u> feet</td> <td><u>14</u> feet</td> </tr> <tr> <td><u>250</u> inches</td> <td><u>16</u> inches</td> <td><u>1.5</u> feet</td> <td><u>299</u> feet</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </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>1/8</u> inches by <u>3</u> inches <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Number</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td><u>4960</u> perforations</td> <td><u>160</u> feet</td> <td><u>299</u> feet</td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ 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 <u>3/8 1/4 in.</u> Placed from <u>80</u> feet to <u>299</u> feet Surface seal depth <u>14</u> Material used in seal ☒ Cement grout ☐ Pudding clay ☐ Well cuttings Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☒ Overbore to seal depth	Thickness	Diameter	From	To	<u>250</u> inches	<u>24</u> inches	<u>1</u> feet	<u>14</u> feet	<u>250</u> inches	<u>16</u> inches	<u>1.5</u> feet	<u>299</u> feet																	Number	From	To	<u>4960</u> perforations	<u>160</u> feet	<u>299</u> feet										11. DRILLERS CERTIFICATION Firm Name <u>Bill Doty Well Drilling</u> Firm No. <u>42</u> Address <u>RT #7 Caldwell</u> Date <u>11-7-77</u> Signed by (Firm Official) <u>Bill Doty Jr.</u> and (Operator) <u>Bill Doty Jr.</u>																																																																																																																																	
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SUPERSEDED BY AMENDED APP RECEIVED 10/24/2012. dh



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

February 14, 2013

AL & MARTHA WORMAN
6884 W WARREN SPUR RD
MELBA ID 83641

Re: Application No. 63-33639

Dear Interested Party:

Attached are copies of one or more applications that may be of interest to you. Please contact the applicants if you have concerns about the applications.

If you desire to file a formal protest against approval of the applications, a written protest along with the \$25.00 protest fee for each application protested must be received in this office by March 11, 2013. A copy of the protest must also be sent to the applicants.

Please contact this office at 208-334-2190 if you have any questions regarding the applications, or you may visit our website at www.idwr.idaho.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Rachel Sommer', is written over a large, stylized circular flourish.

Rachel Sommer
Administrative Assistant I

Enclosures

Sommer, Rachel

From: Sommer, Rachel
Sent: Thursday, February 14, 2013 6:58 AM
To: 'LEGALS@IDAHOSTATESMAN.COM'
Subject: Legal Ads
Attachments: Ada Cover Letter.docx; Ada Combined Ad.docx

Good Morning Janice Hildreth,

Please see the attached ad for publication on 2/21/13 & 2/28/13.

Please confirm these are okay to publish as shown.

Thank you very much,

Rachel Sommer
Administrative Assistant
IDWR, Western Region
Office: 208-334-2190
Fax: 208-334-2348
rachel.sommer@idwr.idaho.gov

February 14, 2013

LEGAL NOTICE DEPARTMENT
IDAHO STATESMAN
PO BOX 40
BOISE, ID 83707

RE: Transfer No. 78258
Permit No's: 63-33639, 63-33698 & 63-33700.

Dear Legal Notice Department:

Please publish the enclosed legal notice on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before 3/11/2013. Your cooperation is appreciated.

Sincerely,

Rachel Sommer
Administrative Assistant

Enclosures

The following applications have been filed to appropriate the public waters of the State of Idaho:

63-33639

SNAKE RIVER DAIRIES LLC

15188 S CAN ADA RD

MELBA, ID 83641

Point of Diversion SESE S20 T01S R01W ADA County Source GROUND WATER

Point of Diversion NWNW S29 T01S R01W ADA County Source GROUND WATER

Use: IRRIGATION 03/01 to 11/15 1.95 CFS

Total Diversion: 1.95 CFS

Date Filed: 4/4/2012

Place Of Use: IRRIGATION

T01S R01W S20 NESE NWSE SWSE SESE

T01S R01W S29 NENE NWNE

Total Acres: 168

Water bearing zone to be appropriated is from 150 to 706 feet.

63-33698

EAGLE FM GROUP CPB OF THE LDS CHURCH

ATTN ROB BUCHANAN

PO BOX 609

EAGLE, ID 83616

Point of Diversion SESE S31 T04N R01E ADA County Source GROUND WATER

Use: IRRIGATION 03/01 to 11/15 0.3 CFS

Total Diversion: 0.3 CFS

Date Filed: 9/12/2012

Place Of Use: IRRIGATION

T04N R01E S31 SESE

Total Acres: 2.5

Water bearing zone to be appropriated is from 205 to 250 feet.

63-33700

VICTOR COOK

TRACY COOK

12509 W ABLE DR

STAR, ID 83669

Point of Diversion L4(SWSW) S31 T05N R01W ADA County Source GROUND WATER

Use: COMMERCIAL 01/01 to 12/31 0.12 CFS

Use: DOMESTIC 01/01 to 12/31 0.04 CFS

Use: IRRIGATION 03/01 to 11/15 0.12 CFS

Use: STOCKWATER 01/01 to 12/31 0.01 CFS

Total Diversion: 0.12 CFS

Date Filed: 9/24/2012

Place Of Use: IRRIGATION

T05N R01W S31 L4(SWSW) SESW

Place Of Use: DOMESTIC

T05N R01W S31 SESW

Place Of Use: STOCKWATER

T05N R01W S31 L4(SWSW) SESW

Place Of Use: COMMERCIAL

T05N R01W S31 L4(SWSW) SESW

Total Acres: 4.9

Water bearing zone to be appropriated is from 312 to 342 feet.

PROPOSED CHANGE OF WATER RIGHT(S)

Robert and Julia Whiting of 6122 W. Dry Creek Rd. filed Application No. **78258** to transfer one water right with a 1959 priority date from ground water totaling 0.09 cfs. The purpose of the transfer is to change the point of diversion to a new well on the applicant's property. Water will be used at the current place of use on the north side of W. Dry Creek Rd. approximately one tenth of a mile east of the intersection of N. Seamans Gulch Rd. and W. Dry Creek Rd.

Permits will be subject to all prior water rights. For additional information concerning the property location, contact Western Region office at (208) 334-2190; or for a full description of the rights &/or proposed transfer, please see www.idwr.idaho.gov/apps/ExtSearch/WRFiling.asp. Protests may be submitted based on the criteria of Sec 42-222 and 42-203A, Idaho Code. Any protest against the approval of this application(s) must be filed with the Director, Dept. of Water Resources, Western Region, 2735 Airport Way, Boise, ID 83705 together with a protest fee of \$25.00 for each application on or before 3/11/2013. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director

Published on 2/21/2013 and 2/28/2013

Moffatt Thomas

MOFFATT THOMAS BARRETT ROCK & FIELDS, CHTD.

RECEIVED

FEB 01 2013

WATER RESOURCES
WESTERN REGION

Boise
Idaho Falls
Pocatello

Mailing Address
PO Box 829
Boise ID 83701-0829

Physical Address
US Bank Plaza
101 S Capitol Blvd 10th Fl
Boise ID 83702-7710

208 345 2000
800 422 2889
208 385 5384 Fax
www.moffatt.com

February 1, 2013
via Hand Delivery

Richard C. Fields
John S. Simko
John C. Ward
D. James Manning
David B. Lincoln
Gary T. Dance
Larry C. Hunter
Randall A. Peterman
Mark S. Prusynski
Stephen R. Thomas
Glenna M. Christensen
Gerald T. Husch
Scott L. Campbell
Robert B. Burns
Michael E. Thomas
Patricia M. Olsson

Christine E. Nicholas
Bradley J. Williams
Lee Radford
Michael O. Roe
David S. Jensen
James L. Martin
C. Clayton Gill
Michael W. McGreaham
David P. Gardner
Julian E. Gabiola
Kimberly D. Evans Ross
Jon A. Stenquist
Mark C. Peterson
Tyler J. Anderson
Andrew J. Waldera
Dylan B. Lawrence

C. Edward Cather III
Benjamin C. Ritchie
Noah G. Hillen
Matthew J. McGee
Mindy M. Willman
Andrea J. Rosholt
Jetta Hatch Mathews

Robert E. Bakes, *of counsel*
Norman M. Semanko, *of counsel*

Willis C. Moffatt, 1907-1980
Eugene C. Thomas, 1931-2010
John W. Barrett, 1931-2011
Kirk R. Helvie, 1956-2003

Angela M. Grimm, P.G.
Water Resource Agent, Sr.
Idaho Department of Water Resources
Western Region
2735 Airport Way
Boise, ID 83705-5082

Re: Request for Additional Information
Application for Permit 63-33639 (Snake River Dairies, LLC)
MTBR&F File No. 22-377.0

Dear Angela:

Your letter of August 1, 2012 requests that Snake River Dairies, LLC submit an amended application for permit and additional information regarding the effect of this proposed diversion on existing water rights and the sufficiency of supply pursuant to Water Appropriation Rule 40, Rule Subsections 040.05c and 040.05d. As you will recall, I submitted the amended application to you under cover of letter dated October 24, 2012. Enclosed with this letter is a report prepared by SPF Water Engineering, which provides the additional hydrologic information you requested, as refined through your subsequent conversations with Scott King.

I assume this satisfies all of the requests for additional materials from your August 1, 2012 letter. If you need anything else from the applicant, please let me know.

Thank you for your attention to this matter.

Very truly yours,



Dylan B. Lawrence

DBL/kdp

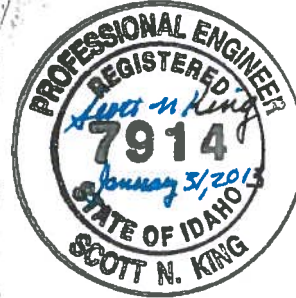
Enclosure

cc: Jerry Tlucek (w/encl.)
Scott King (w/encl.)

FEB 01 2013

**SPF WATER**
ENGINEERINGWATER RESOURCES
WESTERN REGION**MEMORANDUM**

DATE: January 31, 2013
TO: Angela M. Grimm, P.G.
Sr. Water Resource Agent
Idaho Department of Water Resources
FROM: Scott N. King, P.E.
CC: Dylan Lawrence, Moffatt Thomas
Jerry Tlucek, Snake River Dairies
RE: *Application for Permit 63-33639*

**A. Introduction**

Snake River Dairies, LLC submitted an Application for Permit (subsequently numbered as Application 63-33639) on April 4, 2012. The application originally requested appropriation of 2.5 cfs for the irrigation of 168 acres, and was subsequently amended to 1.95 cfs for 168 acres. Currently 141.2 of the 168 acres covered by this Application are irrigated with groundwater authorized under decreed water rights 63-7270A and 63-7270B. The purpose of the application is to increase the maximum instantaneous diversion rate to 0.02 cfs/acre for the lands covered by existing water rights and supply 25.9 new acres not currently covered by existing water rights. In combination with existing rights, no additional volume is sought for the 141.2 acres that are already being irrigated by the other rights.

Your August 1, 2012 letter noted that there are a number of water right permit applications pending in this area proposing significant withdrawals of ground water. Therefore, you requested submittal of additional information regarding effect on existing water rights and sufficiency of supply as described in Water Appropriation Rule 40, Rule Subsections 040.05c and 040.005d. The other items requested in your letter were addressed with the amended permit application (with cover letter dated October 24, 2012).

We spoke further on IDWR's request on November 26, 2012. Based on that telephone conversation, I understand that IDWR expects that we address the following subsections of rules 040.05c and 040.05d:

- 040.05c.ii For applications appropriating groundwater, a plat shall be submitted locating the proposed well relative to all existing wells and springs and permitted wells within a one-half mile radius of the proposed well.

- 040.05c.iii Information shall be submitted concerning any design, construction, or operation techniques which will be employed to eliminate or reduce the impact on other water rights.
- 040.05d.i Information shall be submitted on the water requirements of the proposed project, including, but not limited to, the required diversion rate during the peak use period and the average use period, the volume to be diverted per year, the period of year that water is required, and the volume of water that will be consumptively used per year.
- 040.05d.ii Information shall be submitted on the quantity of water available from the source applied for, including, but not limited to, information concerning flow rates for surface water sources available during periods of peak and average project water demand, information concerning the properties of the aquifers that water is to be taken from for groundwater sources, and information on other sources of supply that may be used to supplement the applied for water source.

B. Summary and Responses to IDWR Questions

The following paragraphs provide information requested under water appropriation rules 040.05c and 040.05d:

1. *"For applications appropriating groundwater, a plat shall be submitted locating the proposed well relative to all existing wells and springs and permitted wells within a one-half mile radius of the proposed well."*

A map of existing wells, springs, and permitted wells within one-half mile radius of the proposed wells is provided in Figure 1. IDWR water rights and well construction databases were searched to identify recorded wells and springs. A total of eight wells including the two existing wells proposed by the application were identified as located within one-half mile of the proposed points of diversion. Driller's reports are included in Attachment A. No springs were identified. These are described by tract below.

- a. Section 19: No points of diversion or springs were identified within one-half mile of the proposed points of diversion.
- b. Section 20 NWSW: Decreed right 63-18360 lists a point of diversion in this tract. This right is owned by Jerry and Mary Louise Tlucek (member of Snake River Dairies, LLC) and provides 0.16 cfs for domestic and stockwater use. The point of diversion depicted in Figure 1 appears to be a nominal quarter-quarter centroid and the well may actually be located further than one-half mile from the western proposed point of diversion.
- c. Section 20 NESE: Decreed right 63-7270B and permit 63-11777 both list a point of diversion in this tract. The 63-7270B point of diversion was not constructed. Similarly, a point of diversion has not been constructed here

under approved permit 63-11777. The decreed right is owned by Snake River Dairies LLC, and the permit is owned by Jerry and Mary Louise Tlucek.

- d. Section 20 SESE: Decreed rights 63-7270A & 63-8604 and permit 63-11777 list a well in this tract. One well exists here and is one of the two proposed points of diversion for this permit application. Per the driller's report located in 63-7270 backfile, this well is 706 feet deep with casing perforations ranging from 410 to 680 feet below ground surface (BGS). Right 63-8604 is owned by Jerry and Mary Louise Tlucek.
- e. Section 28: No points of diversion or springs were identified within one-half mile of the proposed points of diversion.
- f. Section 29 NWNE: Decreed right 63-4042 and permit 63-11777 both list a point of diversion in this tract. The right and the permit are owned by Jerry and Mary Louise Tlucek.
- g. Section 29 NWNW: Decreed right 63-8604 and permit 63-11777 both list a point of diversion in this tract. This point of diversion is one of the two wells proposed as points of diversion for this permit application. The well is 314 feet deep with casing perforated from a depth of 160 to 289 feet.
- h. Section 30 NENE: One domestic well identified by driller permit number 777347. This well is also identified as 1S1W30AAB1 in Figure 3.
- i. Section 30 NWNE: Decreed right 63-15978 provides 0.09 cfs for domestic and stockwater use. IDWR records indicate this right is owned by Glen and Mabel Hoagland. Three domestic wells are identified by driller permit numbers 763074, 810481 and 846210. One or more of these may be located further than one-half mile from the western proposed point of diversion. Figure 1 depicts one tract centroid point for the water right and three drilling permit records.

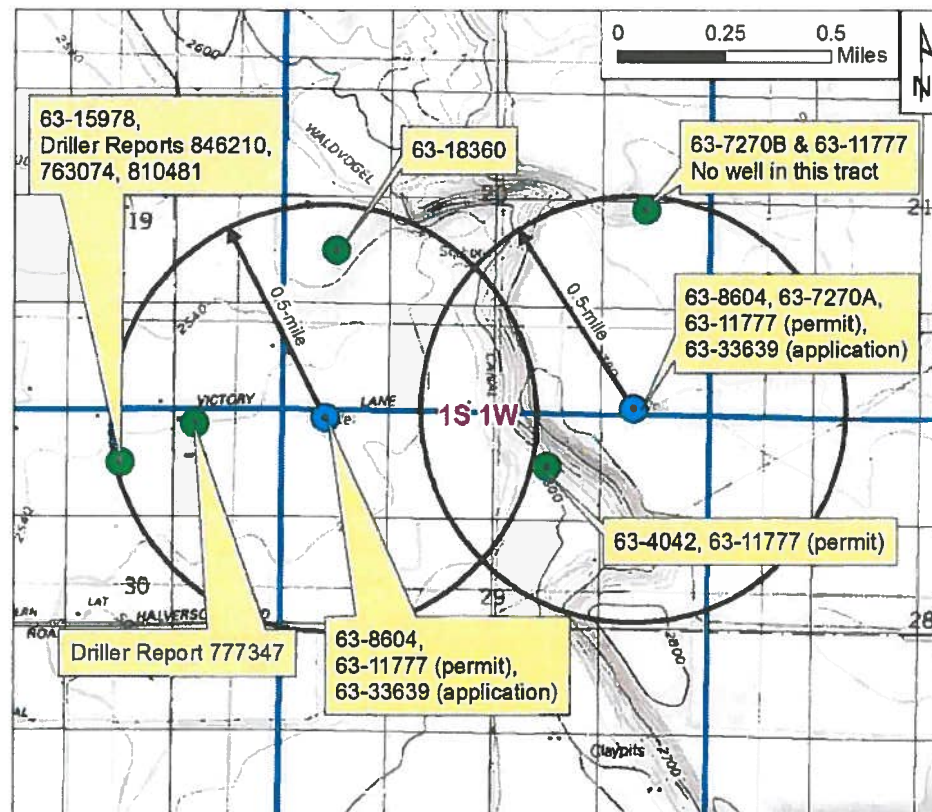


Figure 1: Wells within one-half mile of proposed points of diversion

2. "Information shall be submitted concerning any design, construction, or operation techniques which will be employed to eliminate or reduce the impact on other water rights."

Both points of diversion listed in Application 63-33639 are existing wells. The western well (Section 29 NWNW) was constructed in 1977 to a depth of 314 feet with casing perforations from 160 to 289 feet BGS. The eastern well (Section 20 SESE) was constructed in 1970 to a depth of 706 feet with casing perforations ranging from 410 to 680 feet BGS. The irrigation system will primarily consist of center pivots with some hand and/or wheel lines for modern, water-efficient application methods.

3. "Information shall be submitted on the water requirements of the proposed project, including, but not limited to, the required diversion rate during the peak use period and the average use period, the volume to be diverted per year, the period of year that water is required, and the volume of water that will be consumptively used per year."

The permit application proposes a diversion rate of 1.95 cfs for 168 acres for use during the standard irrigation season, which is March 1 to November 15. Within the

proposed 168-acre place of use, water rights 63-7270A & 63-7270B currently authorize 1.41 cfs for 142.1 acres. Therefore, the permit application increases the diversion rate duty from 0.01 to 0.02 cfs per acre on the existing acres (1.43 cfs) and provides the standard 0.02 cfs per acre on the new acres (0.52 cfs).

The required diversion rate during the peak use period is 0.02 cfs per acre, which is equivalent to 3.36 cfs for the full 168 acres. This duty is required for crops having periods of high consumptive requirements such as silage corn with peak 80% exceedance demands of 10 mm/day during July (Allen and Robison, 2012). The average diversion rate over an irrigation season for 168 acres under all existing and proposed rights is expected to be in the range of 1.0 cfs based on typical crop rotations, a 260-day irrigation season, and 80% application efficiency.

The projected average annual consumptive use is based on a mix of alfalfa, spring grain, and silage corn rotations, which are common crops grown in this area. The ET_{Idaho} 2012 (Allen and Robison, 2012) Kuna climate station was used to estimate consumptive use for these crops (Table 1). For the new 25.9 acres proposed by this application, the peak consumptive use is 88 acre-feet per year for alfalfa, with an average consumptive use of 65 acre-feet per year based on typical crop rotations (see Table 2). For the existing 142.1 acres, the 0.01 cfs/acre diversion rate duty is insufficient to meet typical crop demands during peak use periods. The additional diversion rate supplied by Permit 63-33639 will provide the opportunity to meet peak demands, resulting in a projected average annual increase in consumptive use of 21 acre-feet (Table 2).

Water rights 63-7270A & 63-7270B authorize annual diversion volume of 639.3 acre-feet for 142.1 acres, which is the standard 4.5 acre-feet per acre diversion volume for this region. No additional volume is requested for the existing 142.1 acres. The permit application seeks a standard volume of 116.6 acre-feet for the new 25.9 acres. Actual mean-year diversion volume for a typical mix of crop rotations is expected to be somewhat less than the standard annual diversion volume as most crops do not require the full standard volume. Table 3 provides projected annual diversion volume estimates based on typical crops, mean-year consumptive requirements, and 80% application efficiency. Annual diversion volume for the new acres is expected to range from approximately 66 to 110 acre-feet, with an average of 81 acre-feet. For the existing acres, the increased diversion rate is expected to provide additional annual diversion volume ranging from approximately 6 to 41 acre-feet with an average of 26 acre feet. These diversion volume estimates are based on precipitation-deficit consumptive crop requirements (Table 2) with 80% irrigation application efficiency. When comparing the anticipated additional average diversion volume of 107 acre-feet to the volume required for the existing acres under 63-7270A and 63-7270B and supplied by existing diversion rate (418 acre-feet), Permit 63-33639 represent an approximate 26% increase in annual diversion volume.

Water right 63-8604 and permit 63-11777 provide ground water supplemental to surface water supplies and are authorized for diversion from the same points of diversion included in Permit 63-33639 with annual diversion volumes of 1321.8 and 1822.5 acre-feet for 319 and 405 acres, respectively. Assuming surface water provides 80% of the crop water requirements for the same mix of crops used above, 63-8604 and 63-11777 would typically provide 0.5 acre-feet of consumptive water requirement and 0.62 acre-feet of diversion requirement per acre (80% application efficiency). The anticipated annual diversion volume for 63-8604 and 63-11777 is 452 acre-feet (724 acres x 0.62 acre-feet per acre). Therefore, the total increase in annual diversion volume from the proposed wells expected for Permit 63-33639 is approximately 12% $[107 \div (418 + 452)]$.

Table 1. Mean annual net irrigation water requirement (precipitation deficit, P_{def}) for three selected crops commonly grown in this area based on the Kuna climate station (Allen and Robison, 2012).

Crop	Growing Season Pdef	
	mm/yr	ft/yr
Alfalfa - frequent cuttings	1032	3.4
Spring Grain - Irrigated	623	2.0
Silage Corn - truncated season	629	2.1

Table 2. Projected mean annual consumptive net irrigation requirement (P_{def}) for existing and new acres based on the Kuna climate station.

	Acres	Alfalfa - frequent cuttings	Spring Grain - Irrigated	Silage Corn - truncated season	Average
Existing Acres - Requirement	142.1	481	290	293	355
Existing Acres - Supplied by Existing Rights	142.1	476	265	261	334
Existing Acres - Supplied by New Permit	142.1	5	26	32	21
New Acres - Requirement	25.9	88	53	53	65
Total Supplied by New Permit	168.0	92	79	86	86

Table 3. Projected actual annual diversion volume (acre-feet) based on consumptive net irrigation requirement (Table 2) and 80% application efficiency.

	Acres	Alfalfa - frequent cuttings	Spring Grain - Irrigated	Silage Corn - truncated season	Average
Existing Acres - Requirement	142.1	601	363	367	444
Existing Acres - Supplied by Existing Rights	142.1	595	331	326	418
Existing Acres - Supplied by New Permit	142.1	6	32	41	26
New Acres - Requirement	25.9	110	66	67	81
Total Supplied by New Permit	168.0	116	98	107	107

4. *"Information shall be submitted on the quantity of water available from the source applied for, including, but not limited to, information concerning flow rates for surface water sources available during periods of peak and average project water demand, information concerning the properties of the aquifers that water is to be taken from for groundwater sources, and information on other sources of supply that may be used to supplement the applied for water source."*

This application seeks additional ground water from two wells which have been in place and pumped for over 30 years under existing water rights. The aquifer in this area has been a proven, stable supply of water for decades. There is very likely sufficient ground water supply to satisfy the beneficial use requested under Application 63-33639. There are numerous productive wells in the vicinity of the Snake River Dairies property, demonstrating substantial aquifer capacity. It is anticipated that the requested diversion-rate and volume increases can be met through two existing wells. Stable water levels indicate sufficient recharge and underflow to meet existing demands, and suggest that additional water is available for appropriation.

Aquifer Characteristics

Aquifers are present in both Snake River Group and Idaho Group sediments. Shallow, local flow systems have groundwater residence times ranging from days to

tens of years; deep, regional flow systems have groundwater residence times ranging from hundreds to tens of thousands of years (Petrich and Urban, 2004).

Wells in the vicinity of the Snake River Dairies area draw water from the sediments laid down in lacustrine (lake), deltaic, and, to a lesser extent, volcanic (cinders) and fluvial (river or flood) depositional environments. Productive cinders and coarse-grained sand (or gravel) layers are typically sandwiched between basalt layers and fine-grained silt and clay sediments. In general, Idaho Group sediments grade finer to the west and with greater depth.

The New York Canal and Lake Lowell mark the general location of a groundwater flow divide between the Boise River and the Snake River. South of the New York Canal and Lake Lowell (and in the Snake River Dairies area) the predominant direction of groundwater flow (Figure 2) is in a southwesterly direction (Lindholm et al., 1988).

Recharge to aquifers in the Snake River Dairies area occurs as infiltration from surface channels such as the New York, Kuna Mora, and Waldvogel Canals, infiltration from precipitation, infiltration from irrigation in excess of crop demand, and underflow from hydraulically up-gradient areas (Petrich and Urban, 2004; Petrich, 2004; Urban, 2004). Discharge occurs primarily to the Snake River and to wells. Discharge from deeper aquifer zones to the Snake River is likely limited by interbedded confining layers. Pumping of confined zones in this area likely will induce additional recharge/underflow.

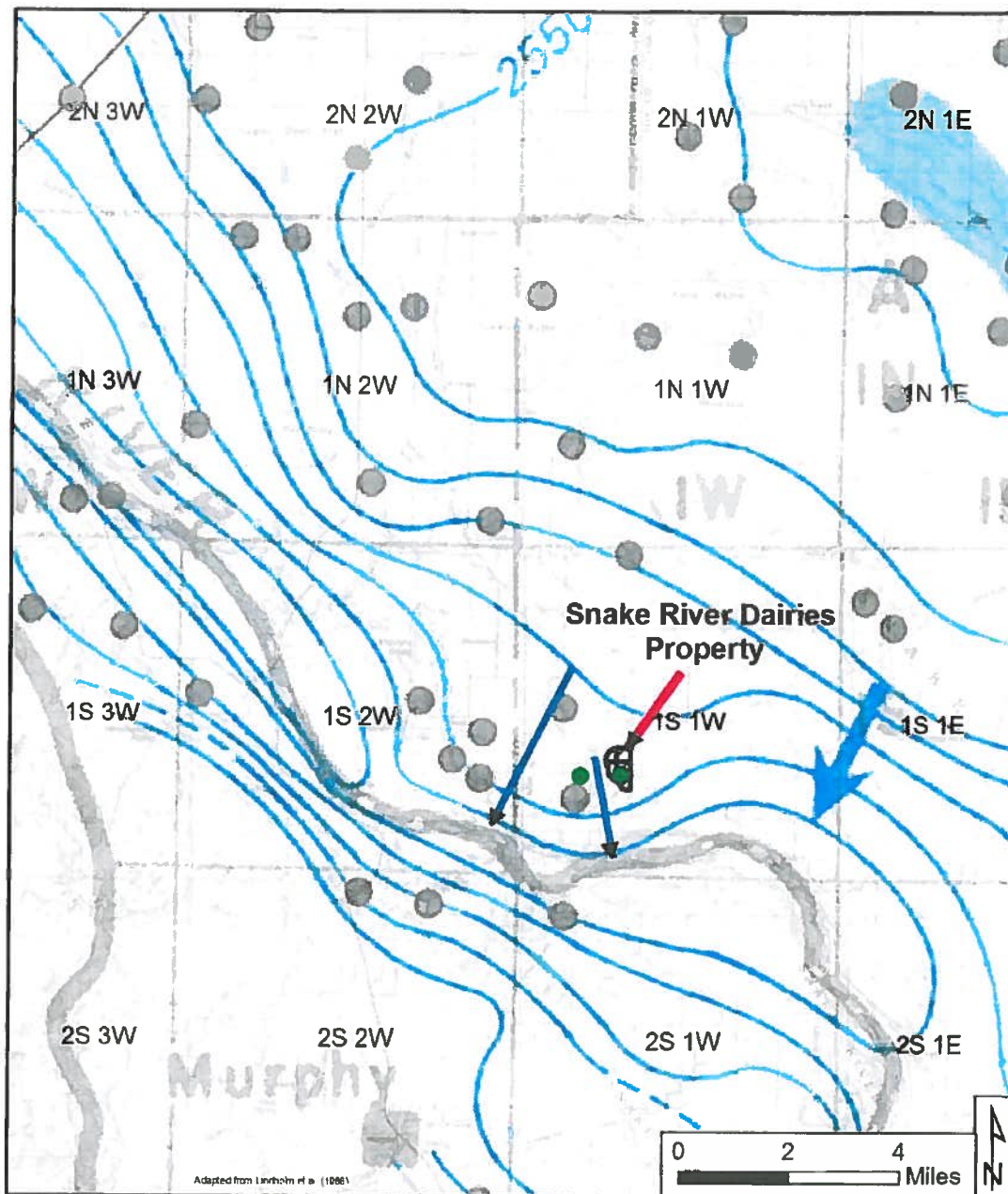


Figure 2. Hydraulic gradient and groundwater flow direction in the vicinity of Snake River Dairies. The gray points represent wells where water levels were obtained for aquifer level contour mapping (Lindholm, et al, 1988).

Based on groundwater age dating in the Treasure Valley (Hutchings and Petrich, 2002; Petrich and Urban, 2004), groundwater residence times in deeper aquifers in the vicinity of the Snake River Dairies are likely in the thousands of years. Horizontally continuous clay layers at depth inhibit vertical movement of groundwater.

Water Level Trends

Water level monitoring records from observation wells surrounding the points of diversion are presented in Figure 3 and Figure 4. Observations indicate that water levels are stable in all wells for which data are available in the vicinity of the proposed points of diversion. Observation well 01S 01W 30AAB1, which is located about 0.3 miles west of the western point of diversion, has five recorded measurements with the first four dating from 1998 and 2000, and the fifth measurement in 2003 that was lower than the prior four measurements; no recent measurements are available for this well. Well 01S 01W 30BAB1, located approximately 0.3 miles west of 01S 01W 30AAB1, has a longer history of measurement that demonstrate seasonal and possibly drought-related fluctuations, but with long-term water level stability. The short-term decline from the 2003 measurement in 01S 01W 30AAB1 appears to be consistent with the fluctuations observed in 01S 01W 30BAB1.



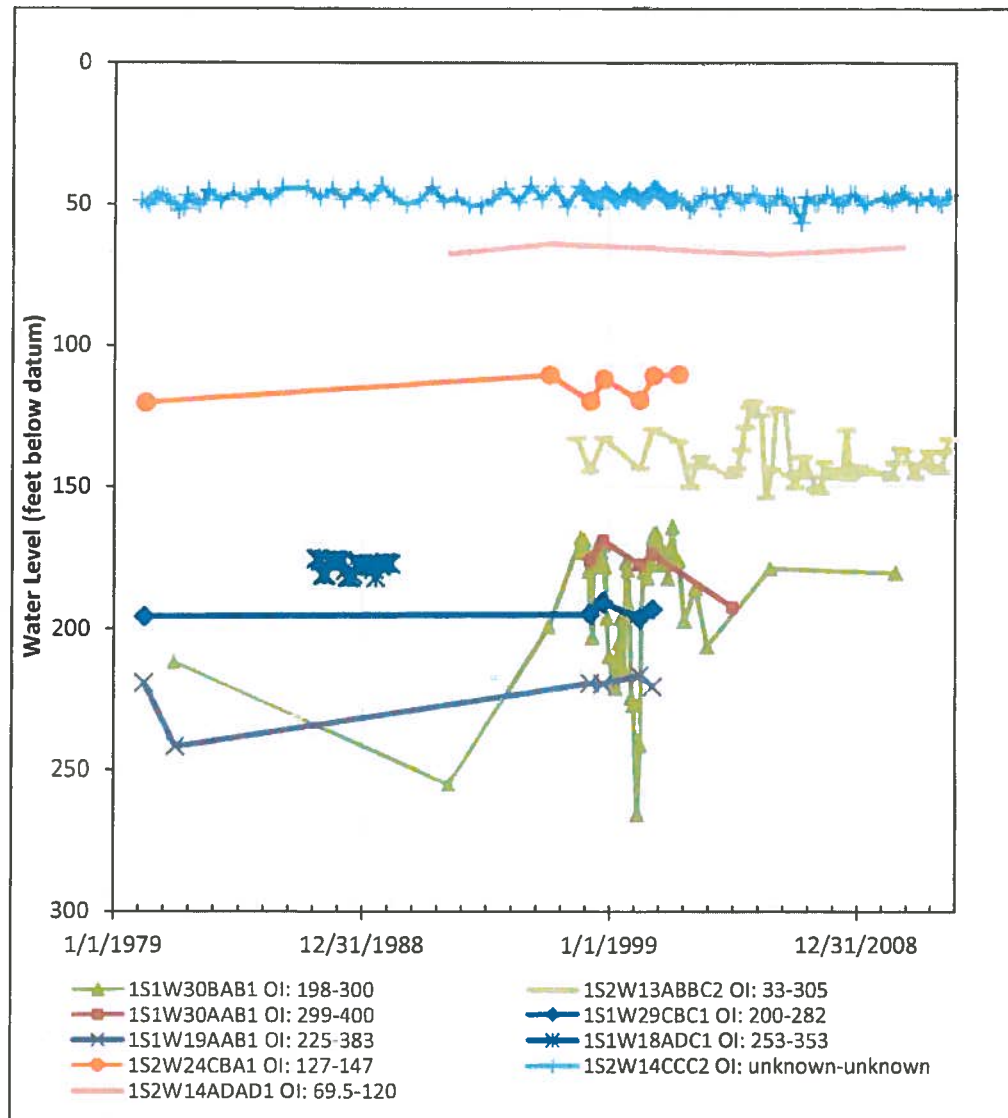


Figure 4. Water levels for observation wells presented in Figure 3. Open interval (OI), when available, is based on Driller's Reports.

Impacts on Existing Rights

Proposed diversions under Application 63-33639 are not anticipated to injure nearby existing water rights. This conclusion is based on demonstrated aquifer capacity, stable groundwater levels, and the limited additional volume sought by this application. The other applications referenced in your letter are located significant distances away and

generally up-gradient from this application. This application is expected to have little if any impact water levels in the vicinity of the proposed use or on the other proposed applications. With the exception of 63-15978, all other ground water rights in the vicinity and down gradient of this application are owned by Jerry and Mary Louise Tlucek, who are members of Snake River Dairies. The additional volume sought by this application is a fraction of the volume already authorized for diversion by existing rights 63-7270A, 63-7270B, 63-8604 and permit 63-11777 from these proposed wells.

Attachments

Attachment A: Well Driller's Reports

References

- Allen, Richard G. and Clarence W. Robison, 2012. Evapotranspiration and Consumptive Irrigation Water Requirements for Idaho: Supplement updating the Time Series through December 2008, Research Technical Completion Report, Kimberly Research and Extension Center, University of Idaho, Moscow, ID.
- Hutchings, J. and Petrich, C., 2002. Ground water recharge and flow in the regional Treasure Valley aquifer system - geochemistry and isotope study, Idaho Water Resources Research Institute, Research Report IWRRI-2002-08.
- Lindholm, G.F., Garbedian, S.P., Newton, G.D. and Whitehead, R.L., 1988. Configuration of the Water Table and Depth to Water, Spring 1980, Water-Level Fluctuations, and Water Movement in the Snake River Plain Regional Aquifer System, Idaho and Eastern Oregon., U.S. Geologic Survey Hydrologic Investigations.
- Petrich, C. and Urban, S., 2004. Characterization of Ground Water Flow in the Lower Boise River Basin, Idaho Water Resources Research Institute and the Idaho Department of Water Resources, Research Report IWRRI-2004-01.
- Petrich, C.R., 2004. Simulation of Ground Water Flow in the Lower Boise River Basin, Idaho Water Resources Research Institute, Research Report IWRRI-2004-02.
- Urban, S.M., 2004. Water Budget for the Treasure Valley Aquifer System for the Years 1996 and 2000, Idaho Department of Water Resources.

ATTACHMENT A
WELL DRILLER'S REPORTS

USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Water Resources

WELL DRILLER'S REPORT

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.

1. WELL OWNER Name <u>Duane Panchesi</u> Address <u>Malba, ID</u> Owner's Permit No. <u>63-8604</u>		7. WATER LEVEL Static water level <u>155</u> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature _____ ° F. Quality _____ 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. <u>1000</u> Draw Down <u>80'</u> Hours Pumped <u>4</u>																																																																																																																																																																																															
3. PROPOSED USE ☐ Domestic ☒ Irrigation ☐ Test ☐ Other (specify type) _____ ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection		9. LITHOLOGIC LOG <u>104109</u> <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>30</td><td>0</td><td>2</td><td>Top Soil</td><td></td><td>X</td></tr><tr><td>30</td><td>2</td><td>4</td><td>Hard pan</td><td></td><td>X</td></tr><tr><td>30</td><td>4</td><td>8</td><td>Soft rock</td><td></td><td>X</td></tr><tr><td>30</td><td>8</td><td>14</td><td>Broken shells</td><td></td><td>X</td></tr><tr><td>24</td><td>14</td><td>53</td><td>Broken shells & sand</td><td></td><td>X</td></tr><tr><td></td><td></td><td></td><td>Pockets</td><td></td><td>X</td></tr><tr><td>24</td><td>53</td><td>58</td><td>Sandstone</td><td></td><td>X</td></tr><tr><td>24</td><td>58</td><td>64</td><td>Sand</td><td></td><td>X</td></tr><tr><td>24</td><td>64</td><td>68</td><td>Sandstone</td><td></td><td>X</td></tr><tr><td>24</td><td>68</td><td>95</td><td>Sand with voids</td><td></td><td>X</td></tr><tr><td>24</td><td>95</td><td>114</td><td>Sand</td><td></td><td>X</td></tr><tr><td>24</td><td>114</td><td>118</td><td>Part clay</td><td></td><td>X</td></tr><tr><td>24</td><td>118</td><td>130</td><td>Sandstone</td><td></td><td>X</td></tr><tr><td>24</td><td>130</td><td>131</td><td>Sand</td><td></td><td>X</td></tr><tr><td>24</td><td>131</td><td>163</td><td>Sandstone</td><td></td><td>X</td></tr><tr><td>24</td><td>163</td><td>167</td><td>Sand, rock</td><td></td><td>X</td></tr><tr><td>24</td><td>167</td><td>169</td><td>Sandstone</td><td></td><td>X</td></tr><tr><td>20</td><td>169</td><td>172</td><td>Sand</td><td></td><td>X</td></tr><tr><td>20</td><td>172</td><td>195</td><td>Sandstone</td><td></td><td>X</td></tr><tr><td>16</td><td>195</td><td>197</td><td>Sand</td><td></td><td>X</td></tr><tr><td>16</td><td>197</td><td>208</td><td>Part gravel & sand</td><td></td><td>X</td></tr><tr><td>16</td><td>208</td><td>220</td><td>Sandy clay & sand</td><td></td><td>X</td></tr><tr><td>16</td><td>220</td><td>232</td><td>Clay blue sticky</td><td></td><td>X</td></tr><tr><td>16</td><td>232</td><td>245</td><td>Sand, red coarse</td><td></td><td>X</td></tr><tr><td></td><td></td><td></td><td>With fine & sandy</td><td></td><td>X</td></tr><tr><td>16</td><td>245</td><td>250</td><td>Sand light brown coarse</td><td></td><td>X</td></tr><tr><td>16</td><td>250</td><td>280</td><td>Sand dark brown with</td><td></td><td>X</td></tr><tr><td></td><td></td><td></td><td>and some clay</td><td></td><td>X</td></tr><tr><td></td><td></td><td></td><td>sticks not sticky</td><td></td><td>X</td></tr><tr><td>12</td><td>280</td><td>314</td><td>Blue clay</td><td></td><td>X</td></tr></tbody></table>		Hole Diam.	Depth		Material	Water		From	To	Yes	No	30	0	2	Top Soil		X	30	2	4	Hard pan		X	30	4	8	Soft rock		X	30	8	14	Broken shells		X	24	14	53	Broken shells & sand		X				Pockets		X	24	53	58	Sandstone		X	24	58	64	Sand		X	24	64	68	Sandstone		X	24	68	95	Sand with voids		X	24	95	114	Sand		X	24	114	118	Part clay		X	24	118	130	Sandstone		X	24	130	131	Sand		X	24	131	163	Sandstone		X	24	163	167	Sand, rock		X	24	167	169	Sandstone		X	20	169	172	Sand		X	20	172	195	Sandstone		X	16	195	197	Sand		X	16	197	208	Part gravel & sand		X	16	208	220	Sandy clay & sand		X	16	220	232	Clay blue sticky		X	16	232	245	Sand, red coarse		X				With fine & sandy		X	16	245	250	Sand light brown coarse		X	16	250	280	Sand dark brown with		X				and some clay		X				sticks not sticky		X	12	280	314	Blue clay		X
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5. WELL CONSTRUCTION Diameter of hole <u>24</u> inches Total depth <u>314</u> feet Casing schedule: ☒ Steel ☐ Concrete Thickness Diameter From To <u>250</u> inches <u>24</u> inches <u>1</u> feet <u>14</u> feet <u>250</u> inches <u>16</u> inches <u>1.5</u> feet <u>299</u> feet 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>1/8</u> inches by <u>3</u> inches Number From To <u>4960</u> perforations <u>160</u> feet <u>299</u> feet perforations _____ feet _____ feet perforations _____ feet _____ feet Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ 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 <u>3/8</u> inches Placed from <u>80</u> feet to <u>299</u> feet Surface seal depth <u>14</u> Material used in seal ☒ Cement grout ☐ Pudding clay ☐ Well cuttings Sealing procedure used ☐ Sherry pit ☐ Temporary surface casing ☒ Overhaul to seal depth		11. DRILLER'S CERTIFICATION Firm Name <u>Bill Dady Well Drilling</u> Firm No. <u>42</u> Address <u>25 #7 Coldwell</u> Date <u>11-7-77</u> Signed by (Firm Official) <u>Bill Dady Jr.</u> and (Operator) <u>Bill Dady Jr.</u>																																																																																																																																																																																															
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USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE COPY TO THE DEPARTMENT

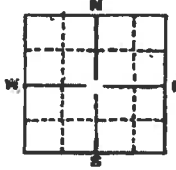
USE TYPEWRITER OR
BALLPOINT PEN

State of Idaho
Department of Reclamation

15 W 20 S W SW

WELL DRILLER'S REPORT

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

1. WELL OWNER Name <u>Verde Anderson</u> Address <u>Meridian, Idaho</u> Owner's Permit No. <u>63-7270</u>	7. WATER LEVEL Static water level <u>106</u> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature _____ Quality _____ Artesian closed-in pressure _____ p.s.i. Controlled by ☐ Valve ☐ Cap ☐ Plug																																																																																																																																																				
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5. WELL CONSTRUCTION Diameter of hole <u>16</u> inches Total depth <u>706</u> feet Casing schedule: ☒ Steel ☐ Concrete Thickness Diameter From To <u>1</u> inches <u>16</u> inches <u>0</u> feet <u>32</u> feet <u>1</u> inches <u>12</u> inches <u>0</u> feet <u>680</u> feet Wag a packer or seal used? ☐ Yes ☒ No Perforated? ☒ Yes ☐ No How perforated? ☒ Factory ☐ Knife ☐ Torch Size of perforation <u>1/8x3</u> inches by <u>5/16</u> inches Number From To <u>18</u> per. ft perforations <u>600</u> feet <u>680</u> feet <u>5</u> per. ft perforations <u>451</u> feet <u>525</u> feet <u>5</u> per. ft perforations <u>410</u> feet <u>423</u> feet Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ 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 _____ Placed from _____ feet to _____ feet Surface seal? ☒ Yes ☐ No To what depth <u>32</u> feet Material used in seal ☒ Cement grout ☐ Pudding clay																																																																																																																																																					
6. LOCATION OF WELL Sketch map location must agree with written location.  County _____ T. <u>1</u> N. S. R. <u>1</u> E. W. X Sec. <u>20</u>	10. Work started <u>11/19/67</u> finished <u>2/12/70</u> 11. DRILLER'S CERTIFICATION <u>63-7270</u> This well was drilled under my supervision and this report is true to the best of my knowledge. G. L. Hiddleston & Son <u>35</u> Driller's or Firm's Name Number Mountain Home, Idaho Address Signed By <u>G. L. Hiddleston</u> Date <u>2/25/70</u>																																																																																																																																																				

USE ADDITIONAL SHEETS IF NECESSARY

Form 238-7
11/97

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 _____ 1/4 _____ 1/4 _____
Lat: _____ Long: _____
☐ Air ☐ Flowing Artesian

1. WELL TAG NO. D 00 12683
DRILLING PERMIT NO. _____
Other IDWR No. _____

2. OWNER:
Name Joe Barnett
Address 7153 W. Victory Ln
City Merlin State ID Zip 83641

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N
E
S
W
Twp. 1 North ☐ or South ☒
Rge. 1 East ☐ or West ☒
Sec. 30 NW 1/4 NE 1/4 1/4
Gov't Lot _____ County Ada 160 acres
Lat: _____ Long: _____
Address of Well Site 7153 W. Victory
City Merlin

(Give at least name of road + distance to road or landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:

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

5. TYPE OF WORK check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD

☒ Air Rotary ☒ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT		METHOD
Material	From	To	Sacks or Pounds		
<u>Bentonite</u>	<u>0</u>	<u>100</u>	<u>4500</u>		<u>Ann</u>

Was drive shoe used? ☒ 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>6</u>	<u>+1</u>	<u>280</u>	<u>25</u>	<u>Steel</u>	☒	☐	☒	☐
<u>4 1/2</u>	<u>244</u>	<u>284</u>	<u>25</u>	<u>PVC</u>	☐	☒	☐	☒
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

Perforations

Method

Screens

Screen Type PVC

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
<u>284</u>	<u>385</u>	<u>.020</u>		<u>4 1/2</u>	<u>PVC</u>	☐	☒
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

225 ft. below ground Artesian pressure _____ lb.

Depth flow encountered _____ ft. Describe access port or control devices: Well Seal

11. WELL TESTS:

☒ Pump ☐ Bailer

Yield gal./min.	Drawdown	Pumping Level	Time
<u>50</u>			<u>4</u>

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment) Water

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
	<u>0</u>	<u>8</u>	<u>TOP SOIL</u>		☒
	<u>8</u>	<u>14</u>	<u>LAHA ROCK</u>		☒
	<u>14</u>	<u>15</u>	<u>LAHA w/ SMALL SAND CREVAS</u>		☒
	<u>15</u>	<u>68</u>	<u>LAHA ROCK</u>		☒
	<u>68</u>	<u>76</u>	<u>CREVASES</u>		☒
	<u>76</u>	<u>95</u>	<u>SOLID LAHA</u>		☒
	<u>95</u>	<u>111</u>	<u>CREVASES BRN. COLOR</u>		☒
	<u>111</u>	<u>115</u>	<u>PEA GRAVEL</u>		☒
	<u>115</u>	<u>140</u>	<u>CLAY - SAND</u>		☒
	<u>140</u>	<u>166</u>	<u>LAHA ROCK</u>		☒
	<u>166</u>	<u>177</u>	<u>SANDY CLAY</u>		☒
	<u>177</u>	<u>200</u>	<u>SAND - Browns</u>		☒
	<u>200</u>	<u>230</u>	<u>Grey SAND - clay streaks</u>		☒
	<u>230</u>	<u>240</u>	<u>Brown SANDY clay</u>	☒	
	<u>240</u>	<u>280</u>	<u>SANDY Blue clay</u>	☒	
	<u>280</u>	<u>385</u>	<u>Blue clay - SAND</u>	☒	

RECEIVED

MAY 5 - 2000

Department of Water Resources

RECEIVED

MAR 21 2000

WATER RESOURCES
WESTERN REGION

RECEIVED

MAR 15 2000

WATER RESOURCES
WESTERN REGION

Completed Depth 385 (Measurable)
Date: Started 1-21-00 Completed 2-7-00

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 D. Pharis Well Drilling Firm No. 332

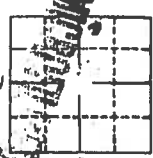
Firm Official [Signature] Date 2-15-00

and
Driller or Operator _____ Date _____

(Sign once if Firm Official & Operator)

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.

Permit 810481

1. WELL OWNER Name <u>RAY BARRETT</u> Address <u>RT.# 1 BX. 64 MELBA, IDAHO 83641</u> Owner's Permit No. _____	7. WATER LEVEL Static water level <u>212</u> feet below land surface. Flowing? ☐ Yes ☒ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature _____ °F. Quality _____																																																																
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____	8. WELL TEST DATA ☐ Pump ☐ Bailor ☒ Air ☐ Other _____ <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Discharge G.P.M.</th> <th>Pumping Level</th> <th>Hours Pumped</th> </tr> </thead> <tbody> <tr> <td align="center"><u>30</u></td> <td></td> <td align="center"><u>2</u></td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	Discharge G.P.M.	Pumping Level	Hours Pumped	<u>30</u>		<u>2</u>																																																										
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6"	235'	300'	blue clay with sand streaks		x																																																												
4. METHOD DRILLED ☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary ☐ Cable ☐ Dug ☐ Other _____	10. RECEIVED DEC 17 1981 OCT 6 1982 Department of Water Resources Western Regional Office																																																																
5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ <table border="1" style="width: 100%; border-collapse: collapse;"> <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>6</u> inches</td> <td>+ <u>2' 6"</u></td> <td>feet <u>198' 4"</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> </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 _____ Inches by _____ Inches <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Number</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ 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 _____ Type _____ 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 _____ Placed from _____ feet to _____ feet Surface seal depth <u>80</u> Material used in seal: ☐ Cement grout ☒ Puddling clay ☐ Well cuttings Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld ☐ Cemented between strata Describe access port _____	Thickness	Diameter	From	To	<u>.250</u> inches	<u>6</u> inches	+ <u>2' 6"</u>	feet <u>198' 4"</u> feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	Number	From	To	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	11. DRILLERS CERTIFICATION I/we certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>BELL DOTY WELL DRILLING</u> Firm No. <u>42</u> Address <u>RT.#7 Bx. 311 CALDWELL IDAHO</u> <u>6-17-81</u> Signed by (Firm Official) <u>Bill Doty</u> and (Operator) <u>[Signature]</u>																																
Thickness	Diameter	From	To																																																														
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6. LOCATION OF WELL Sketch map location must agree with written location.  Subdivision Name _____ Lot No. _____ Block No. _____ County <u>ADA</u> NW ¼ NE ¼ Sec. <u>30</u>, T. <u>1</u>, R. <u>1</u>.																																																																	

USE ADDITIONAL SHEETS IF NECESSARY - FORWARD THE WHITE COPY TO THE DEPARTMENT

603
Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Permit 846210
Office-Use-Only
Well ID No. 416266
Inspected by _____
Twp. _____ Rge. _____ Sec. _____
1/4 _____ 1/4 _____ 1/4 _____
Lat: _____ Long: _____

1. WELL TAG NO. D 0047996
DRILLING PERMIT NO. _____
Water Right or Injection Well No. _____

2. OWNER:
Name Bob Leonard
Address P.O. Box 9506
City Nampa State ID Zip 83652

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 1S North ☐ or South ☒
Rge. 1W East ☐ or West ☒
Sec. 30 1/4 NW 1/4 NE 1/4
Gov't Lot _____
County Ada
Lat: _____ Long: _____
Address of Well Site 715.3 W. Victory
City Melba
City _____
Lt. _____ Blk. _____ Sub. Name NONE

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

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

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES
Seal Material From To Weight / Volume Seal Placement Method
Bentonite 0 2000 over bore
Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 200
Was drive shoe seal tested? ☐ Y ☒ N How?

8. CASING/LINER:
Diameter From To Gauge Material Casing Liner Welded Threaded
6" +1 200 205 steel ☒ ☐ ☒ ☐
Length of Headpipe none Length of Tailpipe none
Packer ☐ Y ☒ N Type

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method none
Screen Type & Method of Installation none
From To Slot Size Number Diameter Material Casing Liner
☐ ☐
☐ ☐
☐ ☐

10. FILTER PACK
Filter Material From To Weight / Volume Placement Method
none

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
143 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices:
Well Cap

12. WELL TESTS:
☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian
Yield gal./min. Drawdown Pumping Level Time
50 1hr

Water Temp. 58° Bottom hole temp. _____
Water Quality test or comments: _____

13. LITHOLOGIC LOG: (Describe repairs or abandonment) Depth first Water Encounter 125 ft

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
10	0	5	top soil		
10	5	58	Lava Solid		
6	58	60	Lava Solid		
6	60	69	Cinders		
6	69	78	Lava		
6	78	90	Brown Clay w/ lava		
6	90	99	Blue Clay w/ lava		
6	99	125	Blue Clay w/ lava		
6	125	205	Cinders	X	

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MAY 02 2007
WATER RESOURCES
WESTERN REGION

Completed Depth 205 (Measurable)
Date: Started 4-20-07 Completed 4-27-07

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Company Name Adamson Pump & Drilling Firm No. 457
Principal Driller Dave Adamson Date 4-30-07
Driller or Operator II _____ Date _____
Operator I _____ Date _____

Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II.

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.

151w 30AAB1
Permit 777347

[illegible]

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082

PHONE: (208) 334-2190 FAX: (208) 334-2348 www.idwr.idaho.gov

C.L. "BUTCH" OTTER, Governor
GARY SPACKMAN, Director

February 1, 2013

To: Distribution List

Re: Applications for Permits, Ground Water in South Canyon County

Dear Interested Party:

A number of applications seeking new appropriations of ground water generally south of Lake Lowell have been filed by various parties. To date, the total amount of ground water sought is about 115 cubic feet per second (cfs). The total extent of proposed development remains unclear – estimated annual volume to divert etc. The Idaho Department of Water Resources (IDWR) asked the applicants for additional information regarding water supply, injury to senior water rights, local public interest and so forth. Some applicants provided more information while other responses are pending.

Please refer to the enclosed list of applications. They can be grouped in priority order as follows.

- Farm Development et al senior applications 63-33131 through 63-33135 propose most of the additional water for the area. The proposed use will be supplemental irrigation. IDWR does not know the anticipated extent of supplemental irrigation on an annual basis for these applications (expected rate and volume of ground water needed).
- WDT Lake View application 63-33625 includes a relatively modest rate and volume for irrigation. This application might not be significantly related to the others due to its proximity to Lake Lowell.
- Beranna Dairy application 63-33629 includes a significant rate of flow and proposes to bring land irrigated under other rights up to a full 0.02 cfs/acre with little if any additional volume expected to be diverted.
- Snake River Dairies application 63-33639 covers land in the southwest corner of Ada County. It is included due to its similar scope and location compared to the other filings. This application includes supplemental and primary irrigation.
- SunRidge Dairy applications 63-33644 and 63-33713 include a significant rate of flow. They propose to bring land irrigated under other rights up to a full 0.02 cfs/acre with little if any additional volume expected to be diverted.

IDWR has been asked to identify information the department has regarding ground water in the general area south of Lake Lowell. The following summary is provided for your consideration whether you are preparing additional information to support your application(s) or have already responded to IDWR in that regard.

- 1) IDWR website, Treasure Valley Hydrologic Project, overview of broader area,
<http://www.idwr.idaho.gov/WaterInformation/projects/tvhp-revised/>.
- 2) IWDR website, hydro.online, monitoring wells etc.,
<http://www.idwr.idaho.gov/hydro.online/gwl/default.html>.
- 3) 2005 memorandum, South Canyon County Ground Water Conditions, copy enclosed.
- 4) SPF Water Engineering memorandum, 10/24/2012 revised additional information for WDT Lake View application 63-33625.
- 5) SPF Water Engineering memorandum, 10/23/2012 additional information for SunRidge Dairy applications 63-33644 and 63-33713.
- 6) Beranna Dairy application 63-33629, supporting information with amended application 1/22/2013.

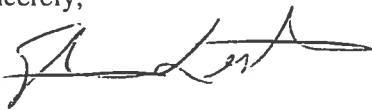
Additional information listed for items 4-6 is available under those application numbers on the IDWR website,

<http://www.idwr.idaho.gov/apps/ExtSearch/WRAJSearch/WRADJSearch.aspx>.

(select "search water rights" icon on homepage, not "new water right applications" icon).

I hope you find this information useful as you pursue your application(s). Please contact me if you have questions about this letter.

Sincerely,



Steve Lester
Water Rights Supervisor

Enclosure

↳ • list of APAs
• J.O. 3/21/2005 memo } COPY filed w/ lowest
APPL # 63-33131
Also on "N/WR PROCESSING/50 Canyon County SW-APPL
c Western Region

DISTRIBUTION LIST, GROUND WATER IN SOUTH CANYON COUNTY

FARM DEVELOPMENT CORP ET AL ¹
C/O JOHN MARSHALL LAW PLLC
575 W BANNOCK ST STE B
BOISE ID 83702

WDT LAKE VIEW LLC
14068 SUNNY SLOPE RD
CALDWELL ID 83607

BERANNA DAIRY
9166 PERCH RD
CALDWELL ID 83607

SNAKE RIVER DAIRIES LLC
C/O DYLAN LAWRENCE
MOFFATT THOMAS ET AL
PO BOX 829
BOISE ID 83701-0829

SUNRIDGE DAIRY LLC
4890 DRY LAKE RD
NAMPA ID 83686

CHRISTIAN PETRICH
SPF WATER ENGINEERING LLC
300 E MALLARD DR STE 350
BOISE ID 83706

DARWIN VANDER STELT
16931 STAR RD
NAMPA ID 83687

¹ Also includes applicants A-D Cattle Co. and Allen Noble Farms Inc.

Moffatt Thomas

MOFFATT THOMAS BARRETT ROCK & FIELDS, CHTD.

Boise
Idaho Falls
Pocatello

Richard C. Fields
John S. Simko
John C. Ward
D. James Manning
David B. Lincoln
Gary T. Dance
Larry C. Hunter
Randall A. Peterman
Mark S. Prusynski
Stephen R. Thomas
Glenna M. Christensen
Gerald T. Husch
Scott L. Campbell
Robert B. Burns
Michael E. Thomas
Patricia M. Olsson

Christine E. Nicholas
Bradley J. Williams
Lee Radford
Michael O. Roe
David S. Jensen
James L. Martin
C. Clayton Gill
Michael W. McGraham
David P. Gardner
Julian E. Gabiola
Kimberly D. Evans Ross
Jon A. Stenquist
Mark C. Peterson
Tyler J. Anderson
Andrew J. Waldera
Dylan B. Lawrence

C. Edward Cather III
Benjamin C. Ritchie
Noah G. Hillen
Matthew J. McGee
Mindy M. Willman
Andrea J. Rosholt
Jetta Hatch Mathews

Robert E. Bakes, *of counsel*
Norman M. Semanko, *of counsel*

Willis C. Moffatt, 1907-1980
Eugene C. Thomas, 1931-2010
John W. Barrett, 1931-2011
Kirk R. Helvie, 1956-2003

Mailing Address
PO Box 829
Boise ID 83701-0829

Physical Address
US Bank Plaza
101 S Capitol Blvd 10th Fl
Boise ID 83702-7710

208 345 2000
800 422 2889
208 385 5384 Fax
www.moffatt.com

October 24, 2012
via Hand Delivery

Angela M. Grimm, P.G.
Water Resource Agent, Sr.
Idaho Department of Water Resources
Western Region
2735 Airport Way
Boise, ID 83705-5082

RECEIVED

OCT 24 2012

WATER RESOURCES
WESTERN REGION

Re: Amended Application for Permit 63-33639 (Snake River Dairies, LLC)
MTBR&F File No. 22-377.0

Dear Ms. Grimm:

Thank you for your letter of August 1, 2012. In response to the issues raised in your letter, I am enclosing an amended Application for Permit.

As you suggest in your letter, the amended application requests a diversion rate of 1.95 cfs of water. With respect to the ownership issues raised in your letter, the amended application includes revised ownership information in Item 10, as well as a map depicting land ownership. In addition, you will note that the application is signed by Jerry and Mary Lou Tlucek, both in their individual capacities and as managers of Snake River Dairies, LLC. Please review these materials at your earliest convenience, and let me know if you have any questions or need anything else on those items.

As to your request for additional information regarding effect on existing water rights and sufficiency of the water supply, Scott King of SPF Water Engineering should be contacting you soon to discuss that request further.

Angela M. Grimm, P.G.
October 24, 2012
Page 2

Thank you for your attention to this matter.

Very truly yours,

A handwritten signature in blue ink, appearing to read 'Dylan', with a stylized, flowing script.

Dylan B. Lawrence

DBL/kdp

Enclosure

cc: Jerry Tlucek (w/encl.)
Scott King (w/encl.)



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

August 1, 2012

Snake River Dairies, LLC
c/o Moffatt Thomas Barrett Rock & Fields, Chtd.
Attn: Dylan B. Lawrence
P.O. Box 829
Boise, ID 83701-0829

Re: Application for Permit 63-33639 – Request for Additional Info and Amended Application

Dear Mr. Lawrence:

Your client's recent application for permit regarding ground water for irrigation is being processed. There are a few areas of the original application that require amendment and/or clarification. Please amend the original application form or submit an amended for as follows:

1. Item No. 4, Item No. 5, and Item No. 11 – quantity to be appropriated and narrative. It appears the applicant proposes appropriation of a full 0.02 cfs/ac for irrigation of 168 acres (3.36 cfs). Water rights 63-7270A and 63-7270B authorize a total of 1.41 cfs for irrigation of 142.1 of the 168 acres. The application narrative indicates the rights only authorize a total of 0.86 cfs. I believe this was true prior to rescinding of Transfer No. 73927. It appears the application should be amended to propose diversion of 1.95 cfs.
2. Item No. 10 – ownership of point of diversion (P/D) and place of use (P/U) property. Ada county taxlot data indicates P/U property in the NWSE and SWSE of Section 20 T1S R1W and P/D property in the NWNW of Section 29 T1S R1W is owned by Jerry and Mary Louise Tlucek. Additionally, taxlot records indicate property in the NENE of Section 29 T1S R1W is owned by the application rather than the Tluceks. The applicant may wish to amend the application to clarify property ownership remarks in application Item No. 10.

Additionally, there are a number of water right permit applications pending in your area proposing significant withdrawals of ground water. The Department is requesting you submit additional information regarding effect on existing water rights and sufficiency of supply as described in Water Appropriation Rule 40, Rule Subsections 040.05c and 040.05d.

Please submit an amended application and the requested information to allow evaluation of your application to be completed. You may seek additional time to provide an amended application

Snake River Dairies, LLC
August 1, 2012
Page 2 of 2

and the information by making a written request to interrupt processing for up to six months.
Your response or a request for more time to seek the information must be received by February 1, 2013. The application will be voided without a timely written reply.

IDWR rules, forms and other information are available on the Internet at www.idwr.idaho.gov.
Please contact me at 208-334-2190 if you need more information. Thank you for your attention to these matters.

Sincerely,

A handwritten signature in black ink, appearing to read "Angela M. Grimm", with a large, sweeping flourish at the end.

Angela M. Grimm, P.G.
Water Resource Agent, Sr.

Enclosure(s): Water Appropriation Rules IDAPA 37.03.08.040.05.c-d

Water Appropriation Rules 40.05.c through 40.05.g

c. Information relative to the effect on existing water rights, Section 42-203A(5)(a), Idaho Code, shall be submitted as follows:

i. For applications appropriating springs or surface streams with five (5) or fewer existing users, either the identification number, or the name and address of the user, and the location of the point of diversion and nature of use for each existing water right shall be submitted.

ii. For applications appropriating groundwater, a plat shall be submitted locating the proposed well relative to all existing wells and springs and permitted wells within a one-half mile radius of the proposed well.

iii. Information shall be submitted concerning any design, construction, or operation techniques which will be employed to eliminate or reduce the impact on other water rights.

d. Information relative to sufficiency of water supply, Section 42-203A(5)(b), Idaho Code, shall be submitted as follows:

i. Information shall be submitted on the water requirements of the proposed project, including, but not limited to, the required diversion rate during the peak use period and the average use period, the volume to be diverted per year, the period of year that water is required, and the volume of water that will be consumptively used per year.

ii. Information shall be submitted on the quantity of water available from the source applied for, including, but not limited to, information concerning flow rates for surface water sources available during periods of peak and average project water demand, information concerning the properties of the aquifers that water is to be taken from for groundwater sources, and information on other sources of supply that may be used to supplement the applied for water source.

Moffatt Thomas

MOFFATT THOMAS BARRETT ROCK & FIELDS, CHTD.

Richard C. Fields
John S. Simko
John C. Ward
D. James Manning
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Willis C. Moffatt, 1907-1980
Eugene C. Thomas, 1931-2010
John W. Barrett, 1931-2011
Kirk R. Helvie, 1956-2003

* WA license only

RECEIVED

APR 04 2012

WATER RESOURCES
WESTERN REGION

April 4, 2012
via Hand Delivery

Boise
Idaho Falls
Pocatello

Mailing Address
PO Box 829
Boise ID 83701-0829

Physical Address
US Bank Plaza
101 S Capitol Blvd 10th Fl
Boise ID 83702-7710

208 345 2000
800 422 2889
208 385 5384 Fax
www.moffatt.com

Idaho Department of Water Resources
Western Region Office
2735 Airport Way
Boise, ID 83705-5082

Re: Application for Permit (Snake River Dairies, LLC)
MTBR&F File No. 22-377.0

Dear Sir or Madam:

I have enclosed with this letter the following documents:

- A signed original Application for Permit, in the name of Snake River Dairies, LLC, which seeks to divert up to 2.50 cfs of groundwater;
- A check payable to IDWR in the amount of \$330.00;
- Two maps depicting the proposed points of diversion and place of use; and
- Two Well Driller's Reports that relate to the two proposed points of diversion.

Please process this Application for Permit at your earliest convenience. If you have questions or need additional information from the Applicant, please do not hesitate to contact me.

Thank you for your attention to this matter.

Very truly yours,

Dylan B. Lawrence

DBL/kdp

Enclosures (6)

cc: Jerry Tluczek (w/encls.)
Scott King (w/encls., *via E-mail*)