### Worksheet for Drilling/Operating Permits

### Badgerjack Resource Holdings, LP – Wells 1-12

# Badgerjack Resource Holdings, LP seeks Drilling/Operating permits for the purpose of:

- Agricultural Use Irrigation of field crops, livestock watering, farming operations
- Industrial Use
- Commercial Use
- Municipal Use
- Public Water Supply

### Proposed Well 1 (BVDO-0323):

Located at: N 31.031647° W 96.670903° 1.07 miles S of the intersection of S. Tidwell Prairie Road and Sunnyside Road in Robertson County.

### Proposed Well 2 (BVDO-0324):

Located at: N 31.009261° W 96.675999° 1.58 miles N of the intersection of FM 979 and Sunnyside Road in Robertson County.

### Proposed Well 3 (BVDO-0325):

Located at: N 31.015504° W 96.662516° 1.35 miles W of the intersection of FM 979 and Elmo Road in Robertson County.

### Proposed Well 4 (BVDO-0326):

Located at: N 31.018854° W 96.635383° 0.29 miles ESE of the intersection of FM 979 and Elmo Road in Robertson County.

### Proposed Well 5 (BVDO-0327):

Located at: N 31.070913° W 96.496684° 0.50 miles N of the intersection of Grant Prairie Road and Lone Star Lane in Robertson County.

### Proposed Well 6 (BVDO-0328):

Located at: N 31.048130° W 96.471423° 0.88 miles NNW of the intersection of US-79 and E. Boone Prairie Road in Robertson County.

### Proposed Well 7 (BVDO-0329):

Located at: N 31.044044° W 96.469902° 0.61 miles NW of the intersection of US-79 and E. Boone Prairie Road in Robertson County.

### Proposed Well 8 BVDO-0330):

Located at: N 31.048451° W 96.359233° 0.42 miles SSE of the intersection of FM 1940 and Camp Creek Cemetery Road in Robertson County.

### Proposed Well 9 (BVDO-0331):

Located at: N 31.047258° W 96.356276° 0.56 miles SE of the intersection of FM 1940 and Camp Creek Cemetery Road in Robertson County.

### Proposed Well 10 (BVDO-0332):

Located at: N 30.959359° W 96.448018° 1.23 miles WSW of the intersection of FM 46 and Henry Prairie Church Road in Robertson County.

### Proposed Well 11 (BVDO-0333):

Located at: N 30.952789° W 96.443033° 1.30 miles SW of the intersection of FM 46 and Henry Prairie Church Road in Robertson County.

### Proposed Well 12 (BVDO-0334):

Located at: N 31.005677° W 96.655249° 1.31 miles SW of the intersection of FM 979 and Elmo Road in Robertson County.

Beneficial Uses:	<b>Agricultural –</b> Irrigation of field crops, livestock watering, farm Operations
	Industrial Commercial Municipal Public Water Supply

Aquifer of Origin: Simsboro (all wells)

Acreage: Approximately 2,277 acres – BVDO-0323, 0324, 0325, 0326, 0334 Approximately 67 acres – BVDO-0327 Approximately 157 acres – BVDO-0328, 0329 Approximately 65 acres – BVDO-0330, 0331 Approximately 363 acres – BVDO-0332, 0333

Well Column: To Be Determined (all wells)

Rate of Production:	Well 1	900 gpm
	Well 2	1,300 gpm
	Well 3	1,300 gpm
	Well 4	1,200 gpm
	Well 5	900 gpm
	Well 6	900 gpm
	Well 7	900 gpm
	Well 8	600 gpm
	Well 9	600 gpm
	Well 10	1,400 gpm
	Well 11	1,400 gpm
	Well 12	1,300 gpm
Mary Annual Desidentian		4 404 for other
Max. Annual Production:	Well 1	1,161 acre feet/yr
	Well 2	1,742 acre feet/yr
	Well 3	1,742 acre feet/yr
	Well 4	1,532 acre feet/yr
	Well 5	1,162 acre feet/yr
	Well 6	1,170 acre feet/yr
	Well 7	1,170 acre feet/yr

Well 8	726 acre feet/yr
Well 9	726 acre feet/yr
Well 10	1,774 acre feet/yr
Well 11	1,774 acre feet/yr
Well 12	1,742 acre feet/yr

This application meets all of the specifications listed in BVGCD Rule 7.1 (c) regarding production based acreage. Below is the formula used to calculate and verify the applicant's compliance and was applied to each of the wells listed below:

### <u>Formula</u>

acre feet/year x .62 = gpm on an average annual basis

Annual Average gpm x 1'/gpm for Simsboro wells = radius from the wellhead

radius x radius x 3.14 = square feet around the well

Square feet around well/43,560 = contiguous acres to be assigned to the well.

Well	Acre feet/year	Contiguous Acres Assigned
Well 1	1161	37.35
Well 2	1742	84.09
Well 3	1742	84.09
Well 4	1532	65.03
Well 5	1162	37.41
Well 6	1170	37.93
Well 7	1170	37.93
Well 8	726	14.60
Well 9	726	14.60
Well 10	1774	87.20
Well 11	1774	87.20
Well 12	1742	84.09

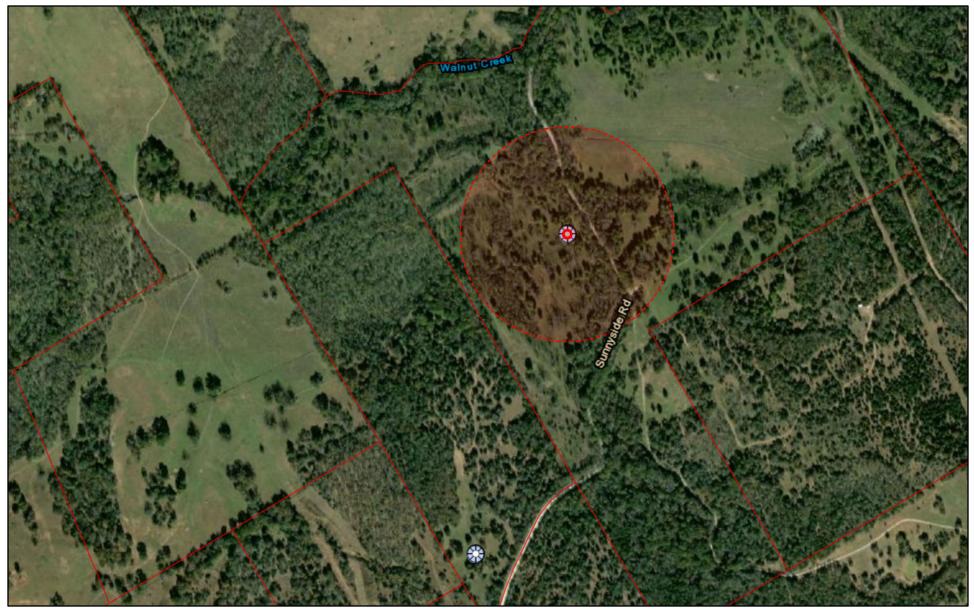
These are multi-use permits for Agricultural, Industrial, Commercial, Municipal, and Public Water Supply uses. Each well will be metered separately. The purpose of use from each well will be metered and reported separately.

The footprint of each of the wells lies entirely within the property controlled by the applicant.

This application is administratively complete.

It is the recommendation of the General Manager to approve the twelve (12) permits as presented.

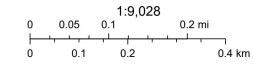
## Badgerjack | BVDO-0323 | Well #1 | Simsboro | 1,161 ac-ft/yr | 719.82' radius



May 7, 2023







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## **Operating Permit Issued By Direction of the Board of Directors of the Brazos Valley Groundwater Conservation District**



This **Operating Permit** is granted to **Badgerjack Resource Holdings**, **LP** (Permittee) authorizing the Permittee to operate a water well, known as **Well #1** ("Well"), at the location specified below, within the Brazos Valley Groundwater Conservation District (District), for the beneficial purpose of producing water for **Agricultural, Industrial, Commercial, Municipal, and Public Water Supply** uses. Permittee is authorized to operate the Well located at N **31.031647° and W 96.670903°** to produce water from the **Simsboro Aquifer** at an annual maximum capacity not to exceed **900 GPM** and a maximum annual production of **1,161 acre feet/year**.

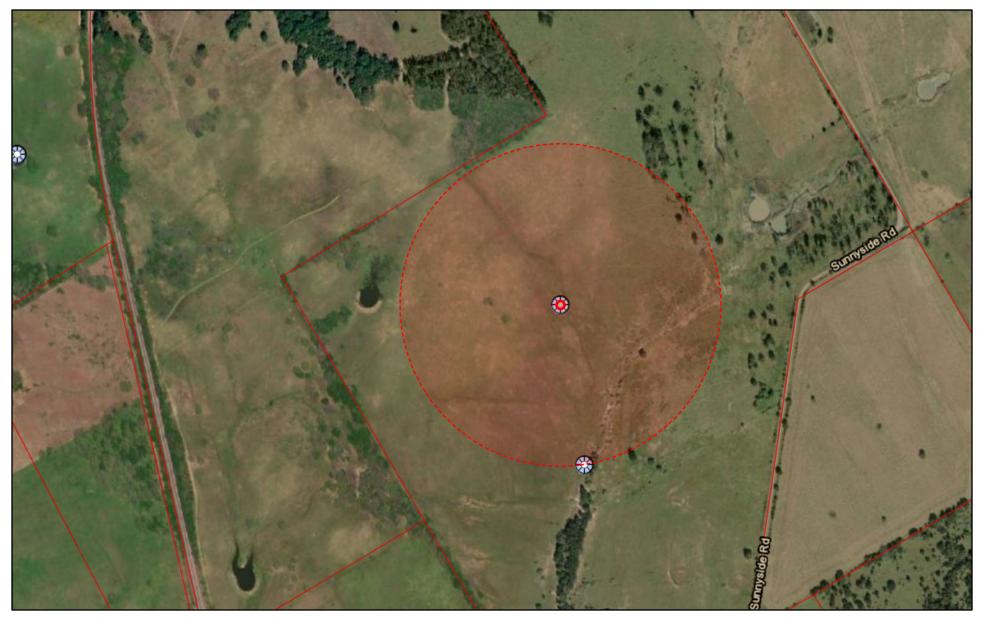
### **Operating Permit Term:**

- (a) An operating and drilling permit for a well or well site will automatically expire within three years from its issuance if the permitted well(s) has not been completed or is not significantly under development.
- (b) Unless specified otherwise by the Board or these Rules, operating permits are effective for five-year terms. At the end of each five-year term, the permit shall be renewed by the Board for an additional five-year term, upon submittal of a permit renewal application by the permit holder that provides adequate evidence of continued beneficial use for the permitted amount of water withdrawal. The District shall send notices to permit holders that contain the permit renewal applications, prior to permit expirations.
- (c) The District may amend or revoke an operating permit at any time if there is evidence of:
  - (1) the owner or operator of the well or well system has operated in violation of their permit, District Rules, or Chapter 36 of the Texas Water Code; or
  - (2) a change in the permit is required to prevent waste and achieve water conservation, minimize as far as practicable the drawdown of the water table or reduction of artesian pressure, lessen interference between wells, or control and prevent subsidence; or
  - (3) The permitted well(s) has not been completed, is not significantly under construction; or no significant progress is being made toward construction.

This permit is issued and effective as of July 13, 2023.

#### **Special Provisions/Notes:**

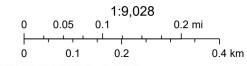
## Badgerjack | BVDO-0324 | Well #2 | Simsboro | 1,742 ac-ft/yr | 1,080.04' radius











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## **Operating Permit Issued By Direction of the Board of Directors of the Brazos Valley Groundwater Conservation District**



This **Operating Permit** is granted to **Badgerjack Resource Holdings**, **LP** (Permittee) authorizing the Permittee to operate a water well, known as **Well 2** ("Well"), at the location specified below, within the Brazos Valley Groundwater Conservation District (District), for the beneficial purpose of producing water for **Agricultural, Industrial, Commercial, Municipal, and Public Water Supply** uses. Permittee is authorized to operate the Well located at N **31.009261° and W 96.675999°** to produce water from the **Simsboro Aquifer** at an annual maximum capacity not to exceed **1,300 GPM** and a maximum annual production of **1,742 acre feet/year**.

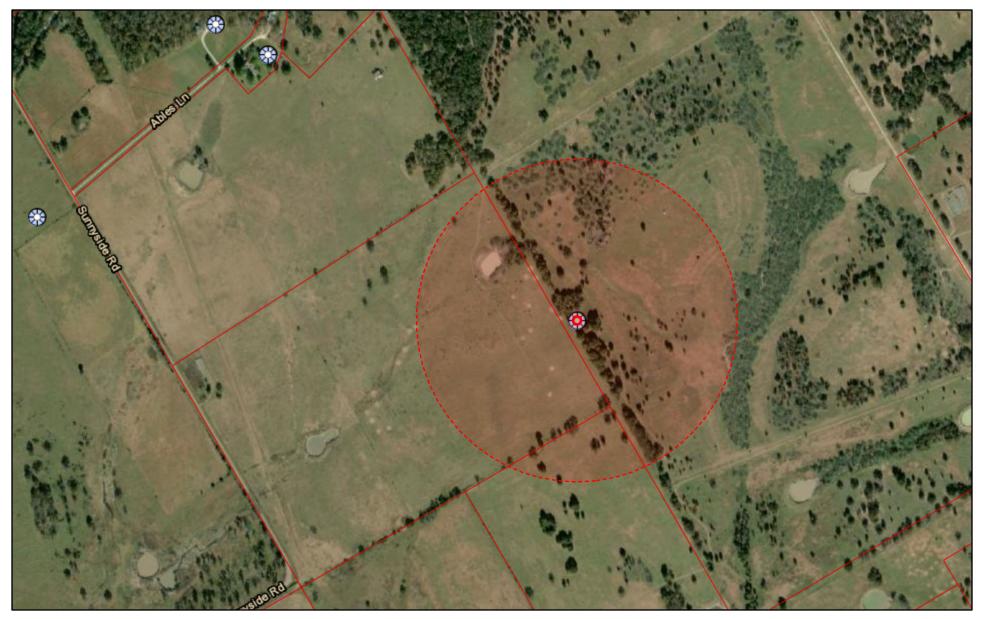
### **Operating Permit Term:**

- (a) An operating and drilling permit for a well or well site will automatically expire within three years from its issuance if the permitted well(s) has not been completed or is not significantly under development.
- (b) Unless specified otherwise by the Board or these Rules, operating permits are effective for five-year terms. At the end of each five-year term, the permit shall be renewed by the Board for an additional five-year term, upon submittal of a permit renewal application by the permit holder that provides adequate evidence of continued beneficial use for the permitted amount of water withdrawal. The District shall send notices to permit holders that contain the permit renewal applications, prior to permit expirations.
- (c) The District may amend or revoke an operating permit at any time if there is evidence of:
  - (1) the owner or operator of the well or well system has operated in violation of their permit, District Rules, or Chapter 36 of the Texas Water Code; or
  - (2) a change in the permit is required to prevent waste and achieve water conservation, minimize as far as practicable the drawdown of the water table or reduction of artesian pressure, lessen interference between wells, or control and prevent subsidence; or
  - (3) The permitted well(s) has not been completed, is not significantly under construction; or no significant progress is being made toward construction.

This permit is issued and effective as of July 13, 2023.

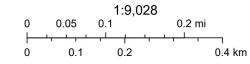
#### **Special Provisions/Notes:**

## Badgerjack | BVDO-0325 | Well #3 | Simsboro | 1,742 ac-ft/yr | 1,080.04' radius



May 7, 2023

Override 1 BVGCDWells
Override 1



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## **Operating Permit Issued By Direction of the Board of Directors of the Brazos Valley Groundwater Conservation District**



This **Operating Permit** is granted to **Badgerjack Resource Holdings**, LP (Permittee) authorizing the Permittee to operate a water well, known as **Well 3** ("Well"), at the location specified below, within the Brazos Valley Groundwater Conservation District (District), for the beneficial purpose of producing water for **Agricultural, Industrial, Commercial, Municipal, and Public Water Supply** uses. Permittee is authorized to operate the Well located at N **31.015504°** and W **96.662516°** to produce water from the **Simsboro Aquifer** at an annual maximum capacity not to exceed **1,300 GPM** and a maximum annual production of **1,742 acre feet/year**.

### **Operating Permit Term:**

- (a) An operating and drilling permit for a well or well site will automatically expire within three years from its issuance if the permitted well(s) has not been completed or is not significantly under development.
- (b) Unless specified otherwise by the Board or these Rules, operating permits are effective for five-year terms. At the end of each five-year term, the permit shall be renewed by the Board for an additional five-year term, upon submittal of a permit renewal application by the permit holder that provides adequate evidence of continued beneficial use for the permitted amount of water withdrawal. The District shall send notices to permit holders that contain the permit renewal applications, prior to permit expirations.
- (c) The District may amend or revoke an operating permit at any time if there is evidence of:
  - (1) the owner or operator of the well or well system has operated in violation of their permit, District Rules, or Chapter 36 of the Texas Water Code; or
  - (2) a change in the permit is required to prevent waste and achieve water conservation, minimize as far as practicable the drawdown of the water table or reduction of artesian pressure, lessen interference between wells, or control and prevent subsidence; or
  - (3) The permitted well(s) has not been completed, is not significantly under construction; or no significant progress is being made toward construction.

This permit is issued and effective as of July 13, 2023.

#### **Special Provisions/Notes:**

## Badgerjack | BVDO-0326 | Well #4 | Simsboro | 1,532 ac-ft/yr | 949.84' radius

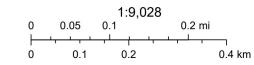


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## **Operating Permit Issued By Direction of the Board of Directors of the Brazos Valley Groundwater Conservation District**



This **Operating Permit** is granted to **Badgerjack Resource Holdings**, **LP** (Permittee) authorizing the Permittee to operate a water well, known as **Well 4** ("Well"), at the location specified below, within the Brazos Valley Groundwater Conservation District (District), for the beneficial purpose of producing water for **Agricultural, Industrial, Commercial, Municipal, and Public Water Supply** uses. Permittee is authorized to operate the Well located at N **31.018854°** and W **96.635383°** to produce water from the **Simsboro Aquifer** at an annual maximum capacity not to exceed **1,200 GPM** and a maximum annual production of **1,532 acre feet/year**.

### **Operating Permit Term:**

- (a) An operating and drilling permit for a well or well site will automatically expire within three years from its issuance if the permitted well(s) has not been completed or is not significantly under development.
- (b) Unless specified otherwise by the Board or these Rules, operating permits are effective for five-year terms. At the end of each five-year term, the permit shall be renewed by the Board for an additional five-year term, upon submittal of a permit renewal application by the permit holder that provides adequate evidence of continued beneficial use for the permitted amount of water withdrawal. The District shall send notices to permit holders that contain the permit renewal applications, prior to permit expirations.
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  - (2) a change in the permit is required to prevent waste and achieve water conservation, minimize as far as practicable the drawdown of the water table or reduction of artesian pressure, lessen interference between wells, or control and prevent subsidence; or
  - (3) The permitted well(s) has not been completed, is not significantly under construction; or no significant progress is being made toward construction.

This permit is issued and effective as of July 13, 2023.

#### **Special Provisions/Notes:**

## Badgerjack | BVDO-0327 | Well #5 | Simsboro | 1,162 ac-ft/yr | 720.44' radius

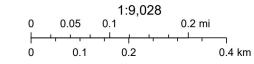


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## **Operating Permit Issued By Direction of the Board of Directors of the Brazos Valley Groundwater Conservation District**



This **Operating Permit** is granted to **Badgerjack Resource Holdings**, **LP** (Permittee) authorizing the Permittee to operate a water well, known as **Well 5** ("Well"), at the location specified below, within the Brazos Valley Groundwater Conservation District (District), for the beneficial purpose of producing water for **Agricultural, Industrial, Commercial, Municipal, and Public Water Supply** uses. Permittee is authorized to operate the Well located at N **31.070913°** and W **96.496684°** to produce water from the **Simsboro Aquifer** at an annual maximum capacity not to exceed **900 GPM** and a maximum annual production of **1,162 acre feet/year**.

### **Operating Permit Term:**

- (a) An operating and drilling permit for a well or well site will automatically expire within three years from its issuance if the permitted well(s) has not been completed or is not significantly under development.
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This permit is issued and effective as of July 13, 2023.

#### **Special Provisions/Notes:**

## Badgerjack | BVDO-0328 | Well #6 | Simsboro | 1,170 ac-ft/yr | 725.40' radius

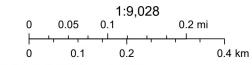




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## **Operating Permit Issued By Direction of the Board of Directors of the Brazos Valley Groundwater Conservation District**



This **Operating Permit** is granted to **Badgerjack Resource Holdings**, **LP** (Permittee) authorizing the Permittee to operate a water well, known as **Well 6** ("Well"), at the location specified below, within the Brazos Valley Groundwater Conservation District (District), for the beneficial purpose of producing water for **Agricultural, Industrial, Commercial, Municipal, and Public Water Supply** uses. Permittee is authorized to operate the Well located at N **31.048130° and W 96.471423°** to produce water from the **Simsboro Aquifer** at an annual maximum capacity not to exceed **900 GPM** and a maximum annual production of **1,170 acre feet/year**.

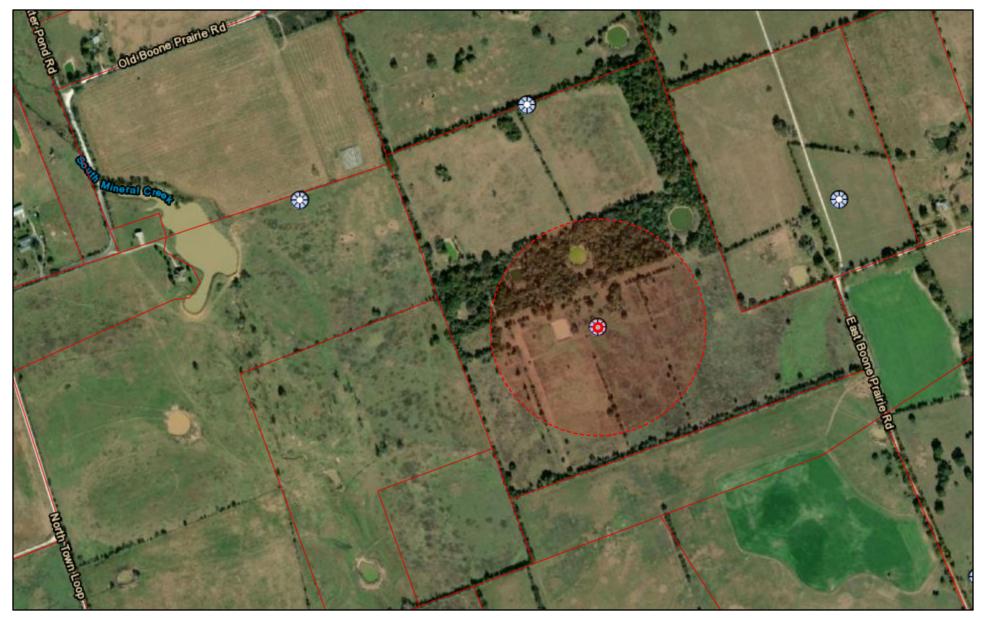
### **Operating Permit Term:**

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This permit is issued and effective as of July 13, 2023.

#### **Special Provisions/Notes:**

## Badgerjack | BVDO-0329 | Well #7 | Simsboro | 1,170 ac-ft/yr | 725.40' radius

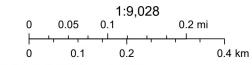


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## **Operating Permit Issued By Direction of the Board of Directors of the Brazos Valley Groundwater Conservation District**



This **Operating Permit** is granted to **Badgerjack Resource Holdings**, **LP** (Permittee) authorizing the Permittee to operate a water well, known as **Well 7** ("Well"), at the location specified below, within the Brazos Valley Groundwater Conservation District (District), for the beneficial purpose of producing water for **Agricultural, Industrial, Commercial, Municipal, and Public Water Supply** uses. Permittee is authorized to operate the Well located at N **31.044044° and W 96.469902°** to produce water from the **Simsboro Aquifer** at an annual maximum capacity not to exceed **900 GPM** and a maximum annual production of **1,170 acre feet/year**.

### **Operating Permit Term:**

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This permit is issued and effective as of July 13, 2023.

#### **Special Provisions/Notes:**

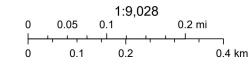
## Badgerjack | BVDO-0330 | Well #8 | Simsboro | 726 ac-ft/yr | 450.12' radius











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## **Operating Permit Issued By Direction of the Board of Directors of the Brazos Valley Groundwater Conservation District**



This **Operating Permit** is granted to **Badgerjack Resource Holdings**, **LP** (Permittee) authorizing the Permittee to operate a water well, known as **Well 8** ("Well"), at the location specified below, within the Brazos Valley Groundwater Conservation District (District), for the beneficial purpose of producing water for **Agricultural, Industrial, Commercial, Municipal, and Public Water Supply** uses. Permittee is authorized to operate the Well located at N **31.048451°** and W **96.359233°** to produce water from the **Simsboro Aquifer** at an annual maximum capacity not to exceed **600 GPM** and a maximum annual production of **726 acre feet/year**.

### **Operating Permit Term:**

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  - (3) The permitted well(s) has not been completed, is not significantly under construction; or no significant progress is being made toward construction.

This permit is issued and effective as of July 13, 2023.

#### **Special Provisions/Notes:**

## Badgerjack | BVDO-0331 | Well #9 | Simsboro | 726 ac-ft/yr | 450.12' radius

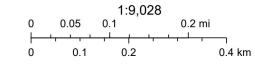












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## **Operating Permit Issued By Direction of the Board of Directors of the Brazos Valley Groundwater Conservation District**



This **Operating Permit** is granted to **Badgerjack Resource Holdings**, LP (Permittee) authorizing the Permittee to operate a water well, known as **Well 9** ("Well"), at the location specified below, within the Brazos Valley Groundwater Conservation District (District), for the beneficial purpose of producing water for **Agricultural, Industrial, Commercial, Municipal, and Public Water Supply** uses. Permittee is authorized to operate the Well located at N **31.047258° and W 96.356276°** to produce water from the **Simsboro Aquifer** at an annual maximum capacity not to exceed **600 GPM** and a maximum annual production of **726 acre feet/year**.

### **Operating Permit Term:**

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This permit is issued and effective as of July 13, 2023.

#### **Special Provisions/Notes:**

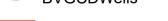
## Badgerjack | BVDO-0332 | Well #10 | Simsboro | 1,774 ac-ft/yr | 1,099.88' radius



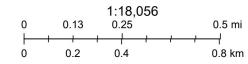


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## **Operating Permit Issued By Direction of the Board of Directors of the Brazos Valley Groundwater Conservation District**



This **Operating Permit** is granted to **Badgerjack Resource Holdings**, **LP** (Permittee) authorizing the Permittee to operate a water well, known as **Well 10** ("Well"), at the location specified below, within the Brazos Valley Groundwater Conservation District (District), for the beneficial purpose of producing water for **Agricultural, Industrial, Commercial, Municipal, and Public Water Supply** uses. Permittee is authorized to operate the Well located at N **30.959359** ° **and W 96.448018**° to produce water from the **Simsboro Aquifer** at an annual maximum capacity not to exceed **1,400 GPM** and a maximum annual production of **1,774 acre feet/year**.

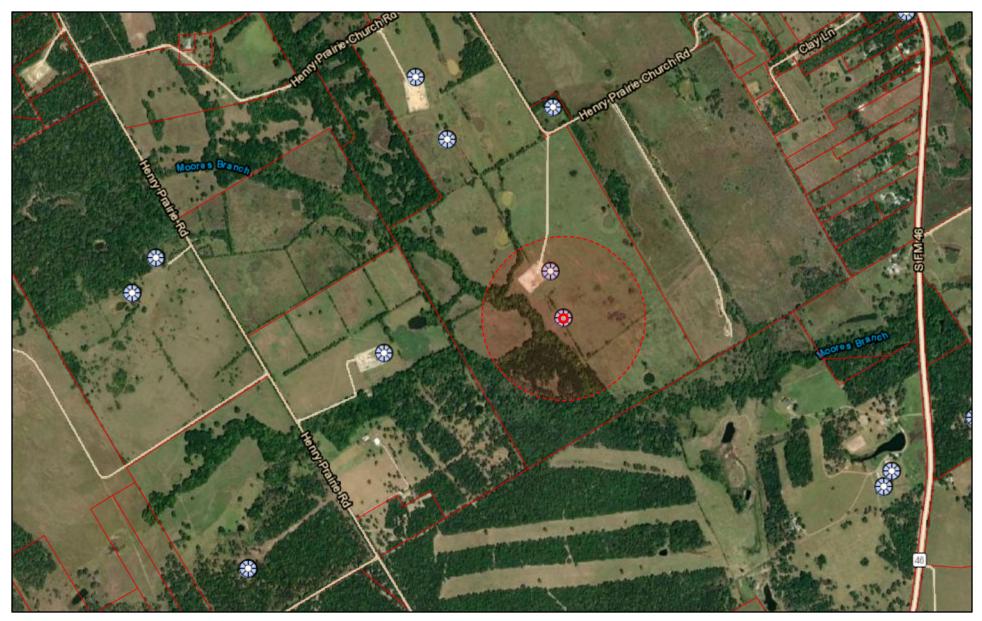
### **Operating Permit Term:**

- (a) An operating and drilling permit for a well or well site will automatically expire within three years from its issuance if the permitted well(s) has not been completed or is not significantly under development.
- (b) Unless specified otherwise by the Board or these Rules, operating permits are effective for five-year terms. At the end of each five-year term, the permit shall be renewed by the Board for an additional five-year term, upon submittal of a permit renewal application by the permit holder that provides adequate evidence of continued beneficial use for the permitted amount of water withdrawal. The District shall send notices to permit holders that contain the permit renewal applications, prior to permit expirations.
- (c) The District may amend or revoke an operating permit at any time if there is evidence of:
  - (1) the owner or operator of the well or well system has operated in violation of their permit, District Rules, or Chapter 36 of the Texas Water Code; or
  - (2) a change in the permit is required to prevent waste and achieve water conservation, minimize as far as practicable the drawdown of the water table or reduction of artesian pressure, lessen interference between wells, or control and prevent subsidence; or
  - (3) The permitted well(s) has not been completed, is not significantly under construction; or no significant progress is being made toward construction.

This permit is issued and effective as of July 13, 2023.

#### **Special Provisions/Notes:**

## Badgerjack | BVDO-0333 | Well #11 | Simsboro | 1,774 ac-ft/yr | 1,099.88' radius

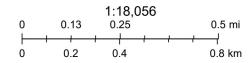




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## **Operating Permit Issued By Direction of the Board of Directors of the Brazos Valley Groundwater Conservation District**



This Operating Permit is granted to Badgerjack Resource Holdings, LP (Permittee) authorizing the Permittee to operate a water well, known as Well 11 ("Well"), at the location specified below, within the Brazos Valley Groundwater Conservation District (District), for the beneficial purpose of producing water for Agricultural, Industrial, Commercial, Municipal, and Public Water Supply uses. Permittee is authorized to operate the Well located at N 30.952789° and W 96.443033° to produce water from the Simsboro Aquifer at an annual maximum capacity not to exceed 1,400 GPM and a maximum annual production of 1,774 acre feet/year.

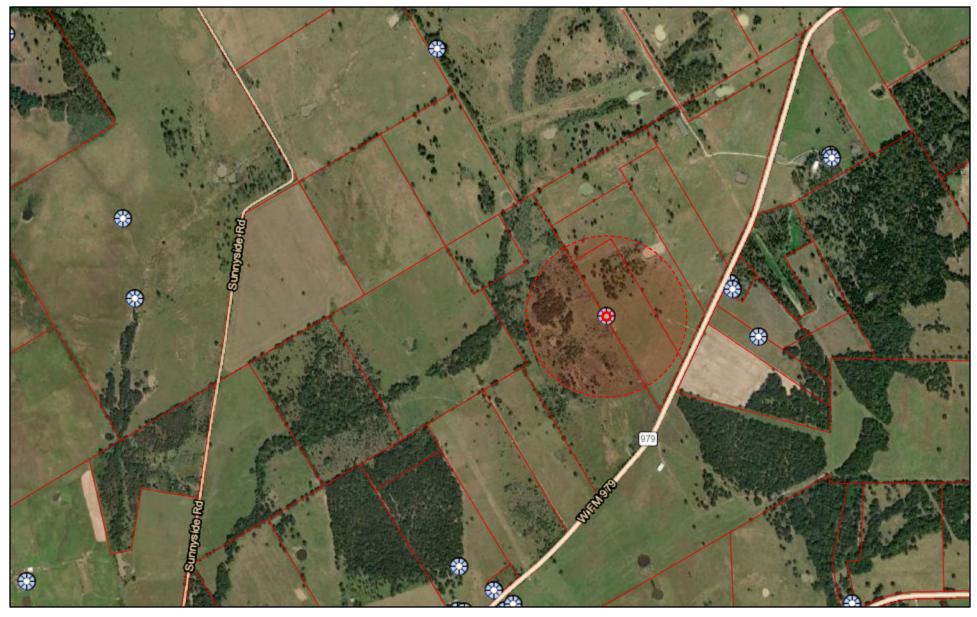
### **Operating Permit Term:**

- (a) An operating and drilling permit for a well or well site will automatically expire within three years from its issuance if the permitted well(s) has not been completed or is not significantly under development.
- (b) Unless specified otherwise by the Board or these Rules, operating permits are effective for five-year terms. At the end of each five-year term, the permit shall be renewed by the Board for an additional five-year term, upon submittal of a permit renewal application by the permit holder that provides adequate evidence of continued beneficial use for the permitted amount of water withdrawal. The District shall send notices to permit holders that contain the permit renewal applications, prior to permit expirations.
- (c) The District may amend or revoke an operating permit at any time if there is evidence of:
  - (1) the owner or operator of the well or well system has operated in violation of their permit, District Rules, or Chapter 36 of the Texas Water Code; or
  - (2) a change in the permit is required to prevent waste and achieve water conservation, minimize as far as practicable the drawdown of the water table or reduction of artesian pressure, lessen interference between wells, or control and prevent subsidence; or
  - (3) The permitted well(s) has not been completed, is not significantly under construction; or no significant progress is being made toward construction.

This permit is issued and effective as of July 13, 2023.

#### **Special Provisions/Notes:**

## Badgerjack | BVDO-0334 | Well #12 | Simsboro | 1,742 ac-ft/yr | 1,080.04' radius

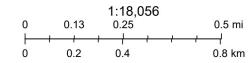


May 7, 2023

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## **Operating Permit Issued By Direction of the Board of Directors of the Brazos Valley Groundwater Conservation District**



This **Operating Permit** is granted to **Badgerjack Resource Holdings**, LP (Permittee) authorizing the Permittee to operate a water well, known as **Well 12** ("Well"), at the location specified below, within the Brazos Valley Groundwater Conservation District (District), for the beneficial purpose of producing water for **Agricultural, Industrial, Commercial, Municipal, and Public Water Supply** uses. Permittee is authorized to operate the Well located at N **31.005677° and W 96.655249°** to produce water from the **Simsboro Aquifer** at an annual maximum capacity not to exceed **1,300 GPM** and a maximum annual production of **1,742 acre feet/year**.

### **Operating Permit Term:**

- (a) An operating and drilling permit for a well or well site will automatically expire within three years from its issuance if the permitted well(s) has not been completed or is not significantly under development.
- (b) Unless specified otherwise by the Board or these Rules, operating permits are effective for five-year terms. At the end of each five-year term, the permit shall be renewed by the Board for an additional five-year term, upon submittal of a permit renewal application by the permit holder that provides adequate evidence of continued beneficial use for the permitted amount of water withdrawal. The District shall send notices to permit holders that contain the permit renewal applications, prior to permit expirations.
- (c) The District may amend or revoke an operating permit at any time if there is evidence of:
  - (1) the owner or operator of the well or well system has operated in violation of their permit, District Rules, or Chapter 36 of the Texas Water Code; or
  - (2) a change in the permit is required to prevent waste and achieve water conservation, minimize as far as practicable the drawdown of the water table or reduction of artesian pressure, lessen interference between wells, or control and prevent subsidence; or
  - (3) The permitted well(s) has not been completed, is not significantly under construction; or no significant progress is being made toward construction.

This permit is issued and effective as of July 13, 2023.

### **Special Provisions/Notes:**