

Worksheet for Drilling/Operating Permits

City of Bryan – Well #20 | Well #21 | Well #22 | Well #23

BVDO-0354 | BVDO-0355 | BVDO-0356 | BVDO-0357

City of Bryan seeks Drilling/Operating permits for the purpose of:

- **Municipal Use**

Proposed Well #20 (BVDO-0354):

Located at: N 30.724081° W 96.441389° 0.82 miles E of the intersection of Mumford Road and Louis E. Mikulin Road in Brazos County.

Proposed Well #21 (BVDO-0355):

Located at: N 30.718428° W 96.434894° 1.26 miles ESE of the intersection of Mumford Road and Louis E. Mikulin Road in Brazos County.

Proposed Well #22 (BVDO-0356):

Located at: N 30.712978° W 96.462196° 0.87 miles SSW of the intersection of Mumford Road and Louis E. Mikulin Road in Brazos County.

Proposed Well #23 (BVDO-0357):

Located at: N 30.715839° W 96.473132° 1.21 miles WSW of the intersection of Mumford Road and Louis E. Mikulin Road in Brazos County.

Beneficial Uses: **Municipal**

Aquifer of Origin: **Simsboro** (all wells)

Acreage: **757 acres (BVDO-0354 & BVDO-0355)**

1,731 acres (BVDO-0356 & BVDO-0357)

Well Column: **To Be Determined** (all wells)

Rate of Production:	Well 20	3,300 gpm
	Well 21	3,300 gpm
	Well 22	3,300 gpm
	Well 23	3,300 gpm

Max. Annual Production:	Well 20	2,863 acre feet/yr
	Well 21	3,035 acre feet/yr
	Well 22	5,000 acre feet/yr
	Well 23	3,306 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:

Formula

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 #20	2,863	227.12
Well #21	3,035	255.24
Well #22	5,000	692.73
Well #23	3,306	302.85

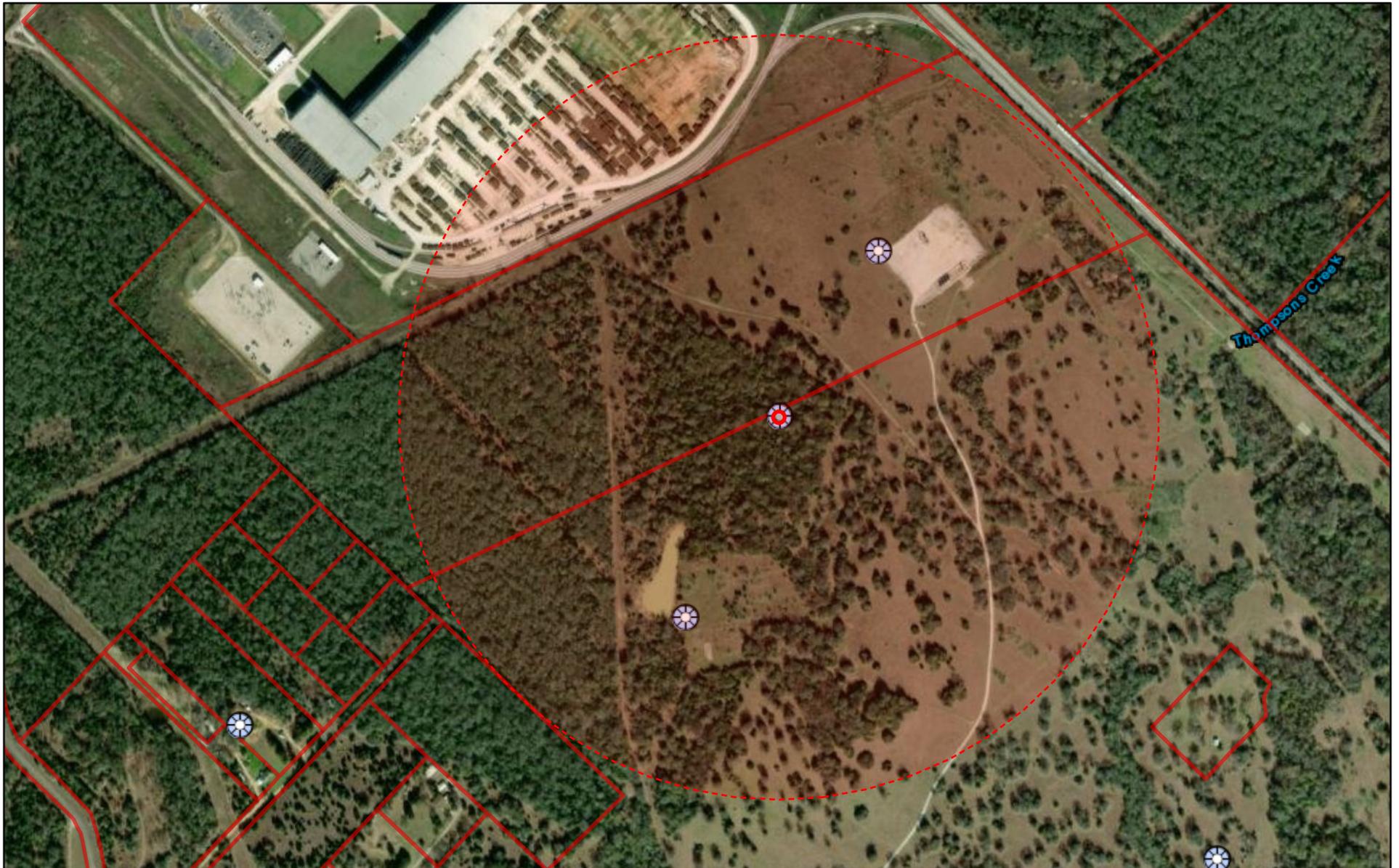
The footprint of each of the wells lies entirely within the property controlled by the applicant.

Applicant requests the four (4) permitted wells be aggregated with production from the applicant's other permitted Simsboro wells.

This application is administratively complete.

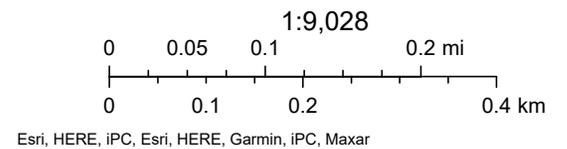
It is the recommendation of the General Manager to approve the four (4) permits as presented.

City of Bryan | Well #20 | BVDO-0354 | Simsboro | 2,863 ac-ft/yr | 1,775.06' radius



July 9, 2023

-  Override 1
-  BVGCDWells
-  Override 1
-  BrazosCADParcels



Permit No. BVDO-0354

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



This **Operating Permit** is granted to **City of Bryan** (Permittee) authorizing the Permittee to operate a water well, known as **Well #20** ("Well"), at the location specified below, within the Brazos Valley Groundwater Conservation District (District), for the beneficial purpose of producing water for **Municipal** use. Permittee is authorized to operate the Well located at **N 30.724081° and W 96.441389°** to produce water from the **Simsboro Aquifer** at an annual maximum capacity not to exceed **3,300 GPM** and a maximum annual production of **2,863 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 August 10, 2023.

Special Provisions/Notes:

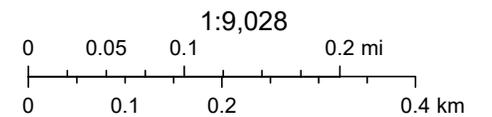
The production from the following operating permits may be aggregated: BVDO-0003, BVDO-0354, BVDO-0355, BVDO-0356, BVDO-0357 (Well Field), so that the combined permitted amount from the wells may be pumped from either well, or split between the wells, as circumstances may require as allowed by District Rule. Total maximum annual aggregate production for the wells under all permits of 19,042 acre-feet/year.

City of Bryan | Well #21 | BVDO-0355 | Simsboro | 3,035 ac-ft/yr | 1,881.70' radius



July 9, 2023

-  Override 1
-  BVGCDWells
-  Override 1
-  BrazosCADParcels



Esri, HERE, IPC, Esri, HERE, Garmin, IPC, Maxar

Permit No. BVDO-0355

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



This **Operating Permit** is granted to **City of Bryan** (Permittee) authorizing the Permittee to operate a water well, known as **Well #21** ("Well"), at the location specified below, within the Brazos Valley Groundwater Conservation District (District), for the beneficial purpose of producing water for **Municipal** use. Permittee is authorized to operate the Well located at **N 30.718428° and W 96.434894°** to produce water from the **Simsboro Aquifer** at an annual maximum capacity not to exceed **3,300 GPM** and a maximum annual production of **3,035 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 August 10, 2023.

Special Provisions/Notes:

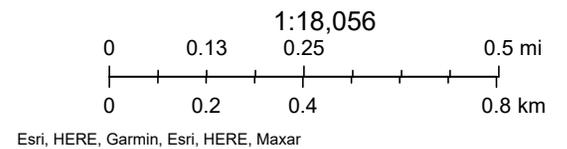
The production from the following operating permits may be aggregated: BVDO-0003, BVDO-0354, BVDO-0355, BVDO-0356, BVDO-0357 (Well Field), so that the combined permitted amount from the wells may be pumped from either well, or split between the wells, as circumstances may require as allowed by District Rule. Total maximum annual aggregate production for the wells under all permits of 19,042 acre-feet/year.

City of Bryan | Well #22 | BVDO-0356 | Simsboro | 5,000 ac-ft/yr | 3,100' radius



July 9, 2023

-  Override 1
-  BVGCDWells
-  Override 1
-  BrazosCADParcels



Permit No. BVDO-0356

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



This **Operating Permit** is granted to **City of Bryan** (Permittee) authorizing the Permittee to operate a water well, known as **Well #22** ("Well"), at the location specified below, within the Brazos Valley Groundwater Conservation District (District), for the beneficial purpose of producing water for **Municipal** use. Permittee is authorized to operate the Well located at **N 30.712978° and W 96.462196°** to produce water from the **Simsboro Aquifer** at an annual maximum capacity not to exceed **3,300 GPM** and a maximum annual production of **5,000 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 August 10, 2023.

Special Provisions/Notes:

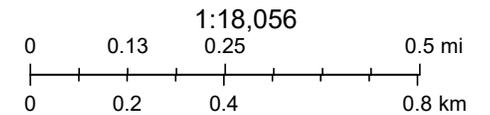
The production from the following operating permits may be aggregated: BVDO-0003, BVDO-0354, BVDO-0355, BVDO-0356, BVDO-0357 (Well Field), so that the combined permitted amount from the wells may be pumped from either well, or split between the wells, as circumstances may require as allowed by District Rule. Total maximum annual aggregate production for the wells under all permits of 19,042 acre-feet/year.

City of Bryan | Well #23 | BVDO-0357 | Simsboro | 3,306 ac-ft/yr | 2,049.72' radius



July 9, 2023

-  Override 1
-  BVGCDWells
-  Override 1
-  BrazosCADParcels



Esri, HERE, Garmin, Esri, HERE, Maxar

Permit No. BVDO-0357

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



This **Operating Permit** is granted to **City of Bryan** (Permittee) authorizing the Permittee to operate a water well, known as **Well #23** ("Well"), at the location specified below, within the Brazos Valley Groundwater Conservation District (District), for the beneficial purpose of producing water for **Municipal** use. Permittee is authorized to operate the Well located at **N 30.715839° and W 96.473132°** to produce water from the **Simsboro Aquifer** at an annual maximum capacity not to exceed **3,300 GPM** and a maximum annual production of **3,306 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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 - (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 August 10, 2023.

Special Provisions/Notes:

The production from the following operating permits may be aggregated: BVDO-0003, BVDO-0354, BVDO-0355, BVDO-0356, BVDO-0357 (Well Field), so that the combined permitted amount from the wells may be pumped from either well, or split between the wells, as circumstances may require as allowed by District Rule. Total maximum annual aggregate production for the wells under all permits of 19,042 acre-feet/year.