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<td>1 Wells permitted pursuant to District Rule 8.3(j) - October 2018</td>
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<td>15</td>
<td>Calvert Bluff - 49 ac-ft</td>
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<td>Carrizo - 5 ac-ft</td>
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<td>Sparta - 120 ac-ft</td>
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<td>Total Acre Feet - 174 ac-ft</td>
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Permit No. BV-DO-0247

Operating Permit
Issued by the General Manager of the
Brazos Valley Groundwater Conservation District
Pursuant to District Rule 8.3(j)

This Operating Permit is granted to Tom Turner (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 use. Permittee is authorized to operate the Well located at N 31.019950° and W 96.611597° to produce water from the Calvert Bluff Aquifer at an annual maximum capacity not to exceed 100 GPM and a maximum annual production of 40 acre feet/year.

Operating Permit Term:

(a) The operating permit is effective for a one-year term. At the end of the one-year term, the permit may be renewed by the General Manager for an additional 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.

(b) 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 October 2, 2018.

Special Provisions/Notes: None
This Permit is granted subject to these Rules, orders of the Board, and the laws of the State of Texas. In addition to any special provisions or other requirements incorporated into the permit issued by the District.

(1) This Permit is granted in accordance with provisions of the Rules of the District, including amendments, and acceptance of this Permit constitutes an acknowledgment and agreement that Permittee will comply with the Rules of the District.

(2) This Permit confers only the right to operate the permitted well under the provisions of the District Rules and its terms may be modified or amended pursuant to the provisions of those Rules. To protect the permit holder from the illegal use of a new landowner, within ten (10) days after the date of sale of property containing a well having been issued an operating permit, the operating permit holder must notify the District in writing of the name of the new owner. Any person who becomes the owner of a currently permitted well must, within forty-five (45) calendar days from the date of the change in ownership, file an application for a permit amendment to affect a transfer of the permit.

(3) The operation of the well for the authorized purposes must be conducted in a non-wasteful manner.

(4) All groundwater production from non-exempt wells in the District is required to be metered, except for the groundwater produced from wells in the Brazos River Alluvium aquifer. The District maintains the discretion to require meters on wells in the Brazos River Alluvium aquifer. Permittee shall maintain records of withdrawal on the property where the well is located or at its business office, and shall make those records available to the District for inspection. The Permittee shall submit complete, accurate, and timely metered pumpage and transport reports to the District as requested.

(5) The well site must be accessible to District representatives for inspection, and Permittee agrees to cooperate fully in any reasonable inspection of the well and well site by the District representatives.

(6) The application pursuant to which this Permit has been issued is incorporated in this Permit, and this Permit is granted on the basis of and contingent upon the accuracy of the information supplied in that application. A finding that false information has been supplied is grounds for immediate revocation of the permit.

(7) Violation of this Permit’s terms, conditions, requirements, or special provisions, including pumping amounts in excess of authorized withdrawal, is punishable by civil penalties as provided by the District Rule 15.3, as well as revocation of the permit.

(8) Permittee will use reasonable diligence to protect groundwater quality and will follow well-plugging guidelines at the time of well closure.

The issuance of this Permit does not grant to Permittee the right to use any private property, or any public property, for the production or conveyance of water. Neither does this permit authorize the invasion of any personal rights nor the violation of any federal, state, or local laws, rules or regulations. Further, the District makes no representations and shall have no responsibility with respect to the availability or quality of water authorized to be produced under this permit.

Brazos Valley Groundwater Conservation District

By: Alan M. Day, General Manager

Date 10-2-18
Ken Hajduk seeks a Drilling/Operating Permit for the purpose of:

- Agricultural Use – Water for irrigation and stock

Proposed Wells: Well #1

Located at: N 31.019950° W 96.611597° 0.95 miles SE of the intersection of FM 979 and Hunter Road in Robertson County.

Beneficial Use: Agricultural – Use for irrigation and stock water

Aquifer of Origin: Calvert Bluff

Well Column: 8”

Rate of Production: 100 gpm

Max. Annual Production: 40 acre feet/year

This application meets all of the specifications listed in BVGCD Rule 7.1 (c) regarding production based acreage. Below are the calculations verifying the applicant’s compliance:

40 acre feet/year x .62 = 24.8 gpm on an average annual basis

24.8 x 2'/aagpm for Calvert Bluff wells = 49.6' radius from the wellhead

49.6' x 49.6' x 3.14 = 7,725 square feet around the well

7,725/43,560 = .1773 contiguous acres to be assigned to the well.

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

This application is administratively complete.

It is the recommendation of the General Manager that the permit be approved.
Permit No. BV-OP-0306

Operating Permit
Issued by the General Manager of the
Brazos Valley Groundwater Conservation District
Pursuant to District Rule 8.3(j)

This Operating Permit is granted to XTO Energy (Permittee) authorizing the Permittee to operate a water well known as Hancock 3 ("Well") at the location specified below within the Brazos Valley Groundwater Conservation District (District) for the beneficial purpose of producing water for Industrial use. Permittee is authorized to operate the Well located at N 31.025167° and W 96.512548° to produce water from the Carrizo Aquifer at an annual maximum capacity not to exceed 50 GPM and a maximum annual production of 5 acre feet/year.

Operating Permit Term:

(a) The operating permit is effective for a one-year term. At the end of the one-year term, the permit may be renewed by the General Manager for an additional 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.

(b) 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 permittee 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 October 16, 2018.

Special Provisions/Notes: None
This Permit is granted subject to these Rules, orders of the Board, and the laws of the State of Texas. In addition to any special provisions or other requirements incorporated into the permit issued by the District.

(1) This Permit is granted in accordance with provisions of the Rules of the District, including amendments, and acceptance of this Permit constitutes an acknowledgment and agreement that Permittee will comply with the Rules of the District.

(2) This Permit confers only the right to operate the permitted well under the provisions of the District Rules and its terms may be modified or amended pursuant to the provisions of those Rules. To protect the permit holder from the illegal use of a new landowner, within ten (10) days after the date of sale of property containing a well having been issued an operating permit, the operating permit holder must notify the District in writing of the name of the new owner. Any person who becomes the owner of a currently permitted well must, within forty-five (45) calendar days from the date of the change in ownership, file an application for a permit amendment to affect a transfer of the permit.

(3) The operation of the well for the authorized purposes must be conducted in a non-wasteful manner.

(4) All groundwater production from non-exempt wells in the District is required to be metered, except for the groundwater produced from wells in the Brazos River Alluvium aquifer. The District maintains the discretion to require meters on wells in the Brazos River Alluvium aquifer. Permittee shall maintain records of withdrawal on the property where the well is located or at its business office, and shall make those records available to the District for inspection. The Permittee shall submit complete, accurate, and timely metered pumpage and transport reports to the District as requested.

(5) The well site must be accessible to District representatives for inspection, and Permittee agrees to cooperate fully in any reasonable inspection of the well and well site by the District representatives.

(6) The application pursuant to which this Permit has been issued is incorporated in this Permit, and this Permit is granted on the basis of and contingent upon the accuracy of the information supplied in that application. A finding that false information has been supplied is grounds for immediate revocation of the permit.

(7) Violation of this Permit's terms, conditions, requirements, or special provisions, including pumping amounts in excess of authorized withdrawal, is punishable by civil penalties as provided by the District Rule 15.3, as well as revocation of the permit.

(8) Permittee will use reasonable diligence to protect groundwater quality and will follow well-drilling guidelines at the time of well closure.

The issuance of this Permit does not grant to Permittee the right to use any private property, or any public property, for the production or conveyance of water. Neither does this permit authorize the invasion of any personal rights nor the violation of any federal, state, or local laws, rules or regulations. Further, the District makes no representations and shall have no responsibility with respect to the availability or quality of water authorized to be produced under this permit.

Brazos Valley Groundwater Conservation District

By: ____________________________ Date: 10/16/18
Alan M. Day, General Manager

Brazos Valley Groundwater Conservation District
Worksheet for an Operating Permit
XTO Energy | Hancock 3
BVOP-0306

XTO energy seeks an Operating Permit for the purpose of:

- Water for hydraulic fracturing

Existing Well – Hancock 3

Located at: N 31.025167° W 96.512548° 0.57 miles NW of the intersection of Poor Farm Road and FM 1644 in Robertson County

Beneficial Use: Industrial

Aquifer of Origin: Carrizo

Date Drilled: March 3, 2008

Well Depth: 240’

Well Column: 6”

Tract Size: Approximately 149 acres

Rate of Production: 50 gpm

Max. Annual Production: 5 acre feet/year.

This application meets all of the specifications listed in BVGCD Rule 7.1 (c) regarding production based acreage. Below are the calculations verifying the applicant’s compliance:

5 acre feet/year x .62 = 3.1 gpm on an average annual basis

3.1 x 2’/gpm for Carrizo wells = 6.2’ radius from the wellhead

6.2 x 6.2’ x 3.14 = 121 square feet around the well

121/43,560 = 0.0028 contiguous acres to be assigned to the well.

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

Application is administratively complete. The permit was issued by the General Manager on 10-16-18 pursuant to District Rule 8.3(j).
Permit No. BV-OP-0307

Operating Permit
Issued by the General Manager of the
Brazos Valley Groundwater Conservation District
Pursuant to District Rule 8.3(j)

This **Operating Permit** is granted to **Okey B. Mason, Jr.** (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 **Industrial** use. Permittee is authorized to operate the Well located at N 31.033903° and W 96.541351° to produce water from the **Calvert Bluff Aquifer** at an annual maximum capacity not to exceed 50 GPM and a maximum annual production of **7 acre feet/year**.

**Operating Permit Term:**

(a) The operating permit is effective for a one-year term. At the end of the one-year term, the permit may be renewed by the General Manager for an additional 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.

(b) 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 October 16, 2018.

**Special Provisions/Notes: None**
This Permit is granted subject to these Rules, orders of the Board, and the laws of the State of Texas. In addition to any special provisions or other requirements incorporated into the permit issued by the District.

(1) This Permit is granted in accordance with provisions of the Rules of the District, including amendments, and acceptance of this Permit constitutes an acknowledgment and agreement that Permittee will comply with the Rules of the District.

(2) This Permit confers only the right to operate the permitted well under the provisions of the District Rules and its terms may be modified or amended pursuant to the provisions of those Rules. To protect the permit holder from the illegal use of a new landowner, within ten (10) days after the date of sale of property containing a well having been issued an operating permit, the operating permit holder must notify the District in writing of the name of the new owner. Any person who becomes the owner of a currently permitted well must, within forty-five (45) calendar days from the date of the change in ownership, file an application for a permit amendment to affect a transfer of the permit.

(3) The operation of the well for the authorized purposes must be conducted in a non-wasteful manner.

(4) All groundwater production from non-exempt wells in the District is required to be metered, except for the groundwater produced from wells in the Brazos River Alluvium aquifer. The District maintains the discretion to require meters on wells in the Brazos River Alluvium aquifer. Permittee shall maintain records of withdrawal on the property where the well is located or at its business office, and shall make those records available to the District for inspection. The Permittee shall submit complete, accurate, and timely metered pumpage and transport reports to the District as requested.

(5) The well site must be accessible to District representatives for inspection, and Permittee agrees to cooperate fully in any reasonable inspection of the well and well site by the District representatives.

(6) The application pursuant to which this Permit has been issued is incorporated in this Permit, and this Permit is granted on the basis of and contingent upon the accuracy of the information supplied in that application. A finding that false information has been supplied is grounds for immediate revocation of the permit.

(7) Violation of this Permit’s terms, conditions, requirements, or special provisions, including pumping amounts in excess of authorized withdrawal, is punishable by civil penalties as provided by the District Rule 15.3, as well as revocation of the permit.

(8) Permittee will use reasonable diligence to protect groundwater quality and will follow well-plugging guidelines at the time of well closure.

The issuance of this Permit does not grant to Permittee the right to use any private property, or any public property, for the production or conveyance of water. Neither does this permit authorize the invasion of any personal rights nor the violation of any federal, state, or local laws, rules or regulations. Further, the District makes no representations and shall have no responsibility with respect to the availability or quality of water authorized to be produced under this permit.

Brazos Valley Groundwater Conservation District

By:  

Alan M. Day, General Manager

10-16-18

Date
Worksheet for an Operating Permit
Okey B. Mason, Jr.
BVOP-0307

Okey B. Mason, Jr. seeks an Operating Permit for the purpose of:

- Water for hydraulic fracturing

Existing Well – BVR-1418

Located at: N 31.033903° W 96.541351° 0.49 miles W of the intersection of Little Mississippi Cemetery Road and Kelley Lane in Robertson County

Beneficial Use: Industrial

Aquifer of Origin: Calvert Bluff

Well Depth: 320'

Well Column: 4”

Tract Size: Approximately 61 acres

Rate of Production: 50 gpm

Max. Annual Production: 7 acre feet/ year.

This application meets all of the specifications listed in BVGCD Rule 7.1 (c) regarding production based acreage. Below are the calculations verifying the applicant’s compliance:

7 acre feet/year x .62 = 4.34 gpm on an average annual basis

4.34 x 2'/gpm for Calvert Bluff wells = 8.68' radius from the wellhead

8.68 x 8.68' x 3.14 = 237 square feet around the well

237/43,560 = 0.0054 contiguous acres to be assigned to the well.

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

Application is administratively complete.

The permit was issued by the General Manager on 10-16-18 pursuant to District Rule 8.3(j).
Permit No. BV-OP-0308

Operating Permit
Issued by the General Manager of the
Brazos Valley Groundwater Conservation District
Pursuant to District Rule 8.3(j)

This Operating Permit is granted to XTO Energy (Permittee) authorizing the Permittee to operate a water well known as Morgan Creek 7 ("Well") at the location specified below within the Brazos Valley Groundwater Conservation District (District) for the beneficial purpose of producing water for Industrial use. Permittee is authorized to operate the Well located at N 31.065000° and W 96.499167° to produce water from the Calvert Bluff Aquifer at an annual maximum capacity not to exceed 50 GPM and a maximum annual production of 2 acre feet/year.

Operating Permit Terms:

(a) The operating permit is effective for a one-year term. At the end of the one-year term, the permit may be renewed by the General Manager for an additional 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.

(b) 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 October 18, 2018.

Special Provisions/Notes: None
This Permit is granted subject to these Rules, orders of the Board, and the laws of the State of Texas. In addition to any special provisions or other requirements incorporated into the permit issued by the District.

(1) This Permit is granted in accordance with provisions of the Rules of the District, including amendments, and acceptance of this Permit constitutes an acknowledgment and agreement that Permittee will comply with the Rules of the District.

(2) This Permit confers only the right to operate the permitted well under the provisions of the District Rules and its terms may be modified or amended pursuant to the provisions of those Rules. To protect the permit holder from the illegal use of a new landowner, within ten (10) days after the date of sale of property containing a well having been issued an operating permit, the operating permit holder must notify the District in writing of the name of the new owner. Any person who becomes the owner of a currently permitted well must, within forty-five (45) calendar days from the date of the change in ownership, file an application for a permit amendment to affect a transfer of the permit.

(3) The operation of the well for the authorized purposes must be conducted in a non-wasteful manner.

(4) All groundwater production from non-exempt wells in the District is required to be metered, except for the groundwater produced from wells in the Brazos River Alluvium aquifer. The District maintains the discretion to require meters on wells in the Brazos River Alluvium aquifer. Permittee shall maintain records of withdrawal on the property where the well is located or at its business office, and shall make those records available to the District for inspection. The Permittee shall submit complete, accurate, and timely metered pumpage and transport reports to the District as requested.

(5) The well site must be accessible to District representatives for inspection, and Permittee agrees to cooperate fully in any reasonable inspection of the well and well site by the District representatives.

(6) The application pursuant to which this Permit has been issued is incorporated in this Permit, and this Permit is granted on the basis of and contingent upon the accuracy of the information supplied in that application. A finding that false information has been supplied is grounds for immediate revocation of the permit.

(7) Violation of this Permit’s terms, conditions, requirements, or special provisions, including pumping amounts in excess of authorized withdrawal, is punishable by civil penalties as provided by the District Rule 15.3, as well as revocation of the permit.

(8) Permittee will use reasonable diligence to protect groundwater quality and will follow well-drilling guidelines at the time of well closure.

The issuance of this Permit does not grant to Permittee the right to use any private property, or any public property, for the production or conveyance of water. Neither does this permit authorize the invasion of any personal rights nor the violation of any federal, state, or local laws, rules or regulations. Further, the District makes no representations and shall have no responsibility with respect to the availability or quality of water authorized to be produced under this permit.

Brazos Valley Groundwater Conservation District

By: [Signature]  
Alan M. Day, General Manager 
[Signature]  
Date: 10-18-18

Brazos Valley Groundwater Conservation District  
Page 2 of 2
Worksheet for an Operating Permit

XTO Energy | Morgan Creek 7

BVOP-0308

XTO energy seeks an Operating Permit for the purpose of:

- Water for hydraulic fracturing

Existing Well – Morgan Creek 7

Located at: N 31.065000° W 96.499167° 0.20 miles WNW of the intersection of Grant Prairie Road and Lone Star Lane in Robertson County

Beneficial Use: Industrial

Aquifer of Origin: Calvert Bluff

Date Drilled: May 6, 2010

Well Depth: 360’

Well Column: 4”

Tract Size: Approximately 134 acres

Rate of Production: 50 gpm

Max. Annual Production: 2 acre feet/year.

This application meets all of the specifications listed in BVGCD Rule 7.1 (c) regarding production based acreage. Below are the calculations verifying the applicant’s compliance:

2 acre feet/year x .62 = 1.24 gpm on an average annual basis

1.24 x 2’/gpm for Calvert Bluff wells = 2.48’ radius from the wellhead

2.48 x 2.48’ x 3.14 = 19.31 square feet around the well

19.31/43,560 = 0.00044 contiguous acres to be assigned to the well.

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

Application is administratively complete. The permit was issued by the General Manager on 10-18-18 pursuant to District Rule 8.3(j).
Permit No. BV-OP-0309

Operating Permit
Issued by the General Manager of the
Brazos Valley Groundwater Conservation District
Pursuant to District Rule 8.3(j)

This Operating Permit is granted to Hawkwood Energy (Permittee) authorizing the Permittee to operate a water well known as Scasta Ranch #1 ("Well") at the location specified below within the Brazos Valley Groundwater Conservation District (District) for the beneficial purpose of producing water for Industrial use. Permittee is authorized to operate the Well located at N 30.87503905° and W 96.38058690° to produce water from the Sparta Aquifer at an annual maximum capacity not to exceed 200 GPM and a maximum annual production of 60 acre feet/year.

Operating Permit Term:

(a) The operating permit is effective for a one-year term. At the end of the one-year term, the permit may be renewed by the General Manager for an additional 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.

(b) 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 October 25, 2018.

Special Provisions/Notes: None
This Permit is granted subject to these Rules, orders of the Board, and the laws of the State of Texas. In addition to any special provisions or other requirements incorporated into the permit issued by the District.

(1) This Permit is granted in accordance with provisions of the Rules of the District, including amendments, and acceptance of this Permit constitutes an acknowledgment and agreement that Permittee will comply with the Rules of the District.

(2) This Permit confers only the right to operate the permitted well under the provisions of the District Rules and its terms may be modified or amended pursuant to the provisions of those Rules. To protect the permit holder from the illegal use of a new landowner, within ten (10) days after the date of sale of property containing a well having been issued an operating permit, the operating permit holder must notify the District in writing of the name of the new owner. Any person who becomes the owner of a currently permitted well must, within forty-five (45) calendar days from the date of the change in ownership, file an application for a permit amendment to affect a transfer of the permit.

(3) The operation of the well for the authorized purposes must be conducted in a non-wasteful manner.

(4) All groundwater production from non-exempt wells in the District is required to be metered, except for the groundwater produced from wells in the Brazos River Alluvium aquifer. The District maintains the discretion to require meters on wells in the Brazos River Alluvium aquifer. Permittee shall maintain records of withdrawal on the property where the well is located or at its business office, and shall make those records available to the District for inspection. The Permittee shall submit complete, accurate, and timely metered pumpage and transport reports to the District as requested.

(5) The well site must be accessible to District representatives for inspection, and Permittee agrees to cooperate fully in any reasonable inspection of the well and well site by the District representatives.

(6) The application pursuant to which this Permit has been issued is incorporated in this Permit, and this Permit is granted on the basis of and contingent upon the accuracy of the information supplied in that application. A finding that false information has been supplied is grounds for immediate revocation of the permit.

(7) Violation of this Permit’s terms, conditions, requirements, or special provisions, including pumping amounts in excess of authorized withdrawal, is punishable by civil penalties as provided by the District Rule 15.3, as well as revocation of the permit.

(8) Permittee will use reasonable diligence to protect groundwater quality and will follow well-plugging guidelines at the time of well closure.

The issuance of this Permit does not grant to Permittee the right to use any private property, or any public property, for the production or conveyance of water. Neither does this permit authorize the invasion of any personal rights nor the violation of any federal, state, or local laws, rules or regulations. Further, the District makes no representations and shall have no responsibility with respect to the availability or quality of water authorized to be produced under this permit.

Brazos Valley Groundwater Conservation District

By: ____________________________ Date: 10-25-18

Alan M. Day, General Manager
Worksheet for an Operating Permit

Hawkwood Energy – Scasta Ranch #1 (BVOP-0309)

Hawkwood Energy seeks an Operating Permit for the purpose of:

- Water for hydraulic fracturing

Existing Well – Scasta Ranch #1

Located at: N 30.87503905° W 96.38058690° 0.83 miles WSW of the intersection of FM 46 and E. OSR in Robertson County

Beneficial Use: **Industrial**

Aquifer of Origin: **Sparta**

Well Depth: **570’**

Well Column: **6”**

Date Drilled: **12/12/2014**

Tract Size: **Approximately 210 acres**

Rate of Production: **200 gpm**

Max. Annual Production: **60 acre feet/year.**

This application meets all of the specifications listed in BVGCD Rule 7.1 (c) regarding production based acreage. Below are the calculations verifying the applicant’s compliance:

60 acre feet/year x 62 = 37.2 gpm on an average annual basis

37.2 x 2’/gpm for Sparta wells = 74.4’ radius from the wellhead

74.4 x 74.4 x 3.14 = 17,381 square feet around the well

17,381/43,560 = **0.399 contiguous acres to be assigned to the well.**

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

Application is administratively complete.

The permit was issued by the General Manager on 10-25-18 pursuant to District Rule 8.3(j).
Permit No. BV-OP-0310

Operating Permit
Issued by the General Manager of the
Brazos Valley Groundwater Conservation District
Pursuant to District Rule 8.3(j)

This Operating Permit is granted to Hawkwood Energy (Permittee) authorizing the Permittee to operate a water well known as Scasta Ranch #3 ("Well") at the location specified below within the Brazos Valley Groundwater Conservation District (District) for the beneficial purpose of producing water for Industrial use. Permittee is authorized to operate the Well located at N 30.87464103° and W 96.38188008° to produce water from the Sparta Aquifer at an annual maximum capacity not to exceed 200 GPM and a maximum annual production of 60 acre feet/year.

Operating Permit Term:

(a) The operating permit is effective for a one-year term. At the end of the one-year term, the permit may be renewed by the General Manager for an additional 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.

(b) 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 October 25, 2018.

Special Provisions/Notes: None
This Permit is granted subject to these Rules, orders of the Board, and the laws of the State of Texas. In addition to any special provisions or other requirements incorporated into the permit issued by the District.

(1) This Permit is granted in accordance with provisions of the Rules of the District, including amendments, and acceptance of this Permit constitutes an acknowledgment and agreement that Permittee will comply with the Rules of the District.

(2) This Permit confers only the right to operate the permitted well under the provisions of the District Rules and its terms may be modified or amended pursuant to the provisions of those Rules. To protect the permit holder from the illegal use of a new landowner, within ten (10) days after the date of sale of property containing a well having been issued an operating permit, the operating permit holder must notify the District in writing of the name of the new owner. Any person who becomes the owner of a currently permitted well must, within forty-five (45) calendar days from the date of the change in ownership, file an application for a permit amendment to affect a transfer of the permit.

(3) The operation of the well for the authorized purposes must be conducted in a non-wasteful manner.

(4) All groundwater production from non-exempt wells in the District is required to be metered, except for the groundwater produced from wells in the Brazos River Alluvium aquifer. The District maintains the discretion to require meters on wells in the Brazos River Alluvium aquifer. Permittee shall maintain records of withdrawal on the property where the well is located or at its business office, and shall make those records available to the District for inspection. The Permittee shall submit complete, accurate, and timely metered pumpage and transport reports to the District as requested.

(5) The well site must be accessible to District representatives for inspection, and Permittee agrees to cooperate fully in any reasonable inspection of the well and well site by the District representatives.

(6) The application pursuant to which this Permit has been issued is incorporated in this Permit, and this Permit is granted on the basis of and contingent upon the accuracy of the information supplied in that application. A finding that false information has been supplied is grounds for immediate revocation of the permit.

(7) Violation of this Permit’s terms, conditions, requirements, or special provisions, including pumping amounts in excess of authorized withdrawal, is punishable by civil penalties as provided by the District Rule 15.3, as well as revocation of the permit.

(8) Permittee will use reasonable diligence to protect groundwater quality and will follow well-plugging guidelines at the time of well closure.

The issuance of this Permit does not grant to Permittee the right to use any private property, or any public property, for the production or conveyance of water. Neither does this permit authorize the invasion of any personal rights nor the violation of any federal, state, or local laws, rules or regulations. Further, the District makes no representations and shall have no responsibility with respect to the availability or quality of water authorized to be produced under this permit.

Brazos Valley Groundwater Conservation District

By: Alan M. Day, General Manager  10-25-18

Brazos Valley Groundwater Conservation District
Worksheet for an Operating Permit
Hawkwood Energy – Scasta Ranch #3 (BVOP-0310)

Hawkwood Energy seeks an Operating Permit for the purpose of:
- Water for hydraulic fracturing

Existing Well – Scasta Ranch #3

Located at: N 30.87464103° W 96.38188008° 0.91 miles WSW of the intersection of FM 46 and E. OSR in Robertson County

Beneficial Use: Industrial
Aquifer of Origin: Sparta
Well Depth: 570'
Well Column: 6”
Date Drilled: 12/12/2013
Tract Size: Approximately 210 acres
Rate of Production: 200 gpm
Max. Annual Production: 60 acre feet/year.

This application meets all of the specifications listed in BVGCD Rule 7.1 (c) regarding production based acreage. Below are the calculations verifying the applicant’s compliance:

60 acre feet/year x .62 = 37.2 gpm on an average annual basis
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17,381/43,560 = 0.399 contiguous acres to be assigned to the well.

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

Application is administratively complete.
The permit was issued by the General Manager on 10-25-18 pursuant to District Rule 8.3(j).