<table>
<thead>
<tr>
<th>Permit #</th>
<th>Permittee</th>
<th>Aquifer</th>
<th>Permitted Amt.</th>
<th>Type of Use</th>
<th>Date</th>
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<tbody>
<tr>
<td>BVOP-0284</td>
<td>Union Pacific Railroad</td>
<td>BRA</td>
<td>150.00</td>
<td>Industrial</td>
<td>9/1/2017</td>
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<td>Hawkwood Energy Operating (Peters Frac Pond WW #1)</td>
<td>Sparta</td>
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<td>Hawkwood Energy Operating (Peters Frac Pond WW #2)</td>
<td>Sparta</td>
<td>150.00</td>
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<td>9/12/2017</td>
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<td>Obenco, Inc. (Devon Fee 2-1)</td>
<td>Simsboro</td>
<td>10.00</td>
<td>Industrial</td>
<td>9/14/2017</td>
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<td>Simsboro</td>
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<td>Yen Thi Nguyen</td>
<td>Calvert Bluff</td>
<td>30.00</td>
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Wells - 7

BRA - 300 ac-ft
Simsboro - 300 ac-ft
Simsboro - 20 ac-ft
Calvert Bluff - 30 ac-ft

Total Acre Feet - 650 ac-ft

Board permitted wells -4
Permit No. BV-OP-0284

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 Union Pacific Railroad (Permittee) authorizing the Permittee to operate a water well known as Mumford 91 ("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 30.782826° and W 96.604227° to produce water from the Brazos River Alluvium Aquifer at an annual maximum capacity not to exceed 500 GPM and a maximum annual production of 150 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 September 1, 2017.

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 pumping 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: [Signature]

Alan M. Day, General Manager

Date: 9-1-17
Worksheet for Operating Permits

Union Pacific Railroad (UPRR)

Mumford 91, Mumford 92

BVOP-0284, BVOP-0285

UPRR seeks Operating Permits for the purpose of:

- Industrial Use

Existing Wells GPS coordinates:

Mumford 91 – N 30 782826° W 96.604227° - 1.10 miles W of the intersection of Woodswitch Gin Rcad and FM 50 in Robertson County.

Mumford 92 – N 30 795055° W 96.603542° - 1.24 miles NW of the intersection of Woodswitch Gin Rcad and FM 50 in Robertson County.

Tract Size: Approximately 1,100 acres

Well Logs: Not available

Beneficial Use: Industrial – Rail yard construction

Aquifer of Origin: Brazos River Alluvium

Well Column: 16” – Mumford 91; 16” – Mumford 92

Rate of Production: 500 gpm

Max. Annual Production: 150 acre feet/year for each of the wells listed

Application is administratively complete.

The permit was issued by the General Manager on 9-1-17 pursuant to District Rule 8.3(j).
Permit No. BV-OP-0285

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 Union Pacific Railroad (Permittee) authorizing the Permittee to operate a water well known as Mumford 92 ("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 30.795055° and W 96.603542° to produce water from the Brazos River Alluvium Aquifer at an annual maximum capacity not to exceed 500 GPM and a maximum annual production of 150 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 September 1, 2017.

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: 9-1-17
Worksheet for Operating Permits

Union Pacific Railroad (UPRR)

Mumford 91, Mumford 92

BVOP-0284, BVOP-0285

UPRR seeks Operating Permits for the purpose of:

- Industrial Use

Existing Wells GPS coordinates:

Mumford 91 – N 30 782826° W 96.604227° - 1.10 miles W of the intersection of Woodswitch Gin Rcad and FM 50 in Robertson County.

Mumford 92 – N 30 795055° W 96.603542° - 1.24 miles NW of the intersection of Woodswitch Gin Rcad and FM 50 in Robertson County.

Tract Size: Approximately 1,100 acres

Well Logs: Not available

Beneficial Use: Industrial – Rail yard construction

Aquifer of Origin: Brazos River Alluvium

Well Column: 16” – Mumford 91; 16” – Mumford 92

Rate of Production: 500 gpm

Max. Annual Production: 150 acre feet/year for each of the wells listed

Application is administratively complete.

The permit was issued by the General Manager on 9-1-17 pursuant to District Rule 8.3(j).
This Operating Permit is granted to Hawkwood Energy Operating, LLC (Permittee) authorizing the Permittee to operate a water well known as Peters Frac Pond WW #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 30.775011° and W 96.353463° to produce water from the Sparta Aquifer at an annual maximum capacity not to exceed 700 GPM and a maximum annual production of 150 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 September 12, 2017.

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: [Signature]  
Alan M. Day, General Manager  
9/2/17  
Date
Worksheet for Drilling/Operating Permit
Hawkwood Energy – Peters Frac Pond WW #1 – (BVDO-0223)

Hawkwood Energy seeks a Drilling/Operating Permit for the purpose of:

- Industrial Use – Water used for hydraulic fracturing of oil and gas wells

Proposed Hawkwood Energy Peters Frac Pond WW #1 well:

Located at: **N 30.775011° W 96.353463° 1.34 miles WNW of the intersection of Dilly Shaw Tap Road and FM 2776 in Brazos County.**

Beneficial Use: **Industrial**

Aquifer of Origin: **Sparta**

Well Column: **10”**

Tract Size: **Approximately 287 acres**

Rate of Production: **700 gpm**

Max. Annual Production: **150 ac-ft/yr**

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:

150 acre feet/year x .62 = 93 gpm on an average annual basis

93 x 2’/gpm for Sparta wells =186’ radius from the wellhead

186’ x 186’ x 3.14 = 108,631 square feet around the well

108,631/43,560 = **2.494 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.

The permit was issued by the General Manager on 9-12-17 pursuant to District Rule 8.3(j).
Permit No. BV-DO-0224
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 Operating, LLC (Permittee) authorizing the Permittee to operate a water well known as Peters Frac Pond WW #2 ("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 30.778786° and W 96.349116° to produce water from the Sparta Aquifer at an annual maximum capacity not to exceed 700 GPM and a maximum annual production of 150 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 September 12, 2017.

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 9-12-17

Date

Brazos Valley Groundwater Conservation District
Worksheet for Drilling/Operating Permit
Hawkwood Energy – Peters Frac Pond WW #2 – (BVDO-0224)

Hawkwood Energy seeks a Drilling/Operating Permit for the purpose of:
- Industrial Use – Water used for hydraulic fracturing of oil and gas wells

Proposed Hawkwood Energy Peters Frac Pond WW #2 well:

Located at: N 30.778786° W 96.349116° 1.19 miles NW of the intersection of Dilly Shaw Tap Road and FM 2776 in Brazos County.

Beneficial Use: Industrial
Aquifer of Origin: Sparta
Well Column: 10”

Tract Size: Approximately 287 acres
Rate of Production: 700 gpm
Max. Annual Production: 150 ac-ft/yr

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:

150 acre feet/year x .62 = 93 gpm on an average annual basis
93 x 2'/gpm for Sparta wells =186' radius from the wellhead
186' x 186' x 3.14 = 108,631 square feet around the well
108,631/43,560 = 2.494 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.

The permit was issued by the General Manager on 9-12-17 pursuant to District Rule 8.3(j).
Permit No. BV-OP-0286

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 Obenco, Inc. (Permittee) authorizing the Permittee to operate a water well known as Devon Fee 2-1 ("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 31.145795° and W 96.559228° to produce water from the Simsboro Aquifer at an annual maximum capacity not to exceed 60 GPM and a maximum annual production of 10 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 September 14, 2017.

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: [Signature]
Alan M. Day, General Manager

Date: 9-14-17

Brazos Valley Groundwater Conservation District
Worksheet for Drilling/Operating Permit

Obenco, Inc. – Devon Fee 2-1 – (BVOP-0286)

Obenco, Inc. seeks an Operating Permit for the purpose of:

- Industrial Use – Water used for hydraulic fracturing of oil and gas wells

Existing Obenco, Inc. Devon Fee 2-1:

Located at: N 31.14579495° W 96.55922838° 0.99 miles N of the intersection of Trojacek Road and Owensville Cemetery Road in Robertson County.

Beneficial Use: Industrial

Aquifer of Origin: Simsboro

Well Column: 4"

Date Drilled: 5/15/2008

Tract Size: Approximately 1141 acres

Rate of Production: 60 gpm

Max. Annual Production: 10 ac-ft/yr

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:

10 acre feet/year x .62 = 6.2 gpm on an average annual basis

6.2 x 1’/gpm for Simsboro wells = 6.2’ radius from the wellhead

6.2’ x 6.2 x 3.14 = 120.70 square feet around the well

120.70/43,560 = 0.0028 contiguous acres to be assigned to the well.

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

This application is administratively complete.

The permit was issued by the General Manager on 9-14-17 pursuant to District Rule 8.3(j).
Obenco Devon Fee 2-1 - BVOP-0286 - Simsboro - 10 ac-ft/yr - 6.2' radius

September 14, 2017

pointLayer   polygonLayer

Override 1   Override 1
Permit No. BV-OP-0287

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 Obenco, Inc. (Permittee) authorizing the Permittee to operate a water well known as Devon Fee 4-6 ("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 31.161612° and W 96.552624° to produce water from the Simsboro Aquifer at an annual maximum capacity not to exceed 60 GPM and a maximum annual production of 10 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 September 14, 2017.

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 Permitee 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. Permitee 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 Permitee 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) Permitee 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 Permitee 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 9-14-17 Date

Brazos Valley Groundwater Conservation District
Worksheet for Drilling/Operating Permit
Obenco, Inc. – Devon Fee 4-6 – (BVOP-0287)

Obenco, Inc. seeks an Operating Permit for the purpose of:

- Industrial Use – Water used for hydraulic fracturing of oil and gas wells

Existing Obenco, Inc. Devon Fee 4-6:

Located at: N 31.16161194° W 96.55262381° 2.05 miles N of the intersection of Trojacek Road and Owensville Cemetery Road in Robertson County.

Beneficial Use: Industrial
Aquifer of Origin: Simsboro
Well Column: 4”
Date Drilled: 8/24/2017
Tract Size: Approximately 1141 acres
Rate of Production: 60 gpm
Max. Annual Production: 10 ac-ft/yr

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:

10 acre feet/year x .62 = 6.2 gpm on an average annual basis
6.2 x 1’/gpm for Simsboro wells = 6.2’ radius from the wellhead
6.2’ x 6.2 x 3.14 = 120.70 square feet around the well
120.70/43,560 = 0.0028 contiguous acres to be assigned to the well.

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

This application is administratively complete.
The permit was issued by the General Manager on 9-14-17 pursuant to District Rule 8.3(j).
Obenco Devon Fee 4-6 - BVOP-0287 - Simsboro - 10 ac-ft/yr - 6.2' radius
Permit No. BV-DO-0225

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 Yen Thi Nguyen (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 use. Permittee is authorized to operate the Well located at N 30.934444° and W 96.599167° to produce water from the Calvert Bluff Aquifer at an annual maximum capacity not to exceed 75 GPM and a maximum annual production of 30 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 September 28, 2017.

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: [Signature]
Alan M. Day, General Manager

Date: 9-2-87

Brazos Valley Groundwater Conservation District

Page 2 of 2
Worksheet for Operating Permit

Yen Thi Nguyen – Well #4
BVDO-0225

Yen Thi Nguyen seeks a Drilling/Operating Permit for the purpose of:

- **Agricultural Use – Water for poultry house operation**

Proposed Well #4

Located at: N 30.934444° W 96.599167° 0.84 miles WSW of the intersection of Mud Creek Road and Hwy 79 in Robertson County.

Beneficial Use: **Agricultural** – Water for poultry house operation

Aquifer of Origin: **Calvert Bluff**

Well Column: **4”**

Rate of Production: **75 gpm**

Max. Annual Production: **30 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:

30 acre feet/year x .62 = 18.6 gpm on an average annual basis

18.6 x 2'/gpm for Calvert Bluff wells =37.2’ radius from the wellhead

37.2’ x 37.2’ x 3.14 = 4,345 square feet around the well

4,345/43,560 = .0998 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.

The permit was issued by the General Manager on 9-28-17 pursuant to District Rule 8.3(j).