

Wells permitted pursuant to District Rule 8.3(j) - September, 2017					
Permit #	Permittee	Aquifer	Permitted Amt.	Type of Use	Date
BVOP-0284	Union Pacific Railroad	BRA	150.00	Industrial	9/1/2017
BVOP-0285	Union Pacific Railroad	BRA	150.00	Industrial	9/1/2017
BVDO-0223	Hawkwood Energy Operating (Peters Frac Pond WW #1)	Sparta	150.00	Industrial	9/12/2017
BVDO-0224	Hawkwood Energy Operating (Peters Frac Pond WW #2)	Sparta	150.00	Industrial	9/12/2017
BVOP-0286	Obenco, Inc. (Devon Fee 2-1)	Simsboro	10.00	Industrial	9/14/2017
BVOP-0287	Obenco, Inc. (Devon Fee 4-6)	Simsboro	10.00	Industrial	9/14/2017
BVDO-0225	Yen Thi Nguyen	Calvert Bluff	30.00	Agricultural	9/28/2017
			650.00		
Wells - 7					
BRA - 300 ac-ft					
Sparta - 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 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

9-1-17

Date

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 Road and FM 50 in Robertson County.

Mumford 92 – N 30.795055° W 96.603542° - 1.24 miles NW of the intersection of Woodswitch Gin Road 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

9-1-17
Date

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 Road and FM 50 in Robertson County.

Mumford 92 – N 30.795055° W 96.603542° - 1.24 miles NW of the intersection of Woodswitch Gin Road 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-DO-0223



**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 #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 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

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:

$150 \text{ acre feet/year} \times .62 = 93 \text{ gpm}$ on an average annual basis

$93 \times 2'/\text{gpm}$ for Sparta wells = 186' radius from the wellhead

$186' \times 186' \times 3.14 = 108,631$ square feet around the well

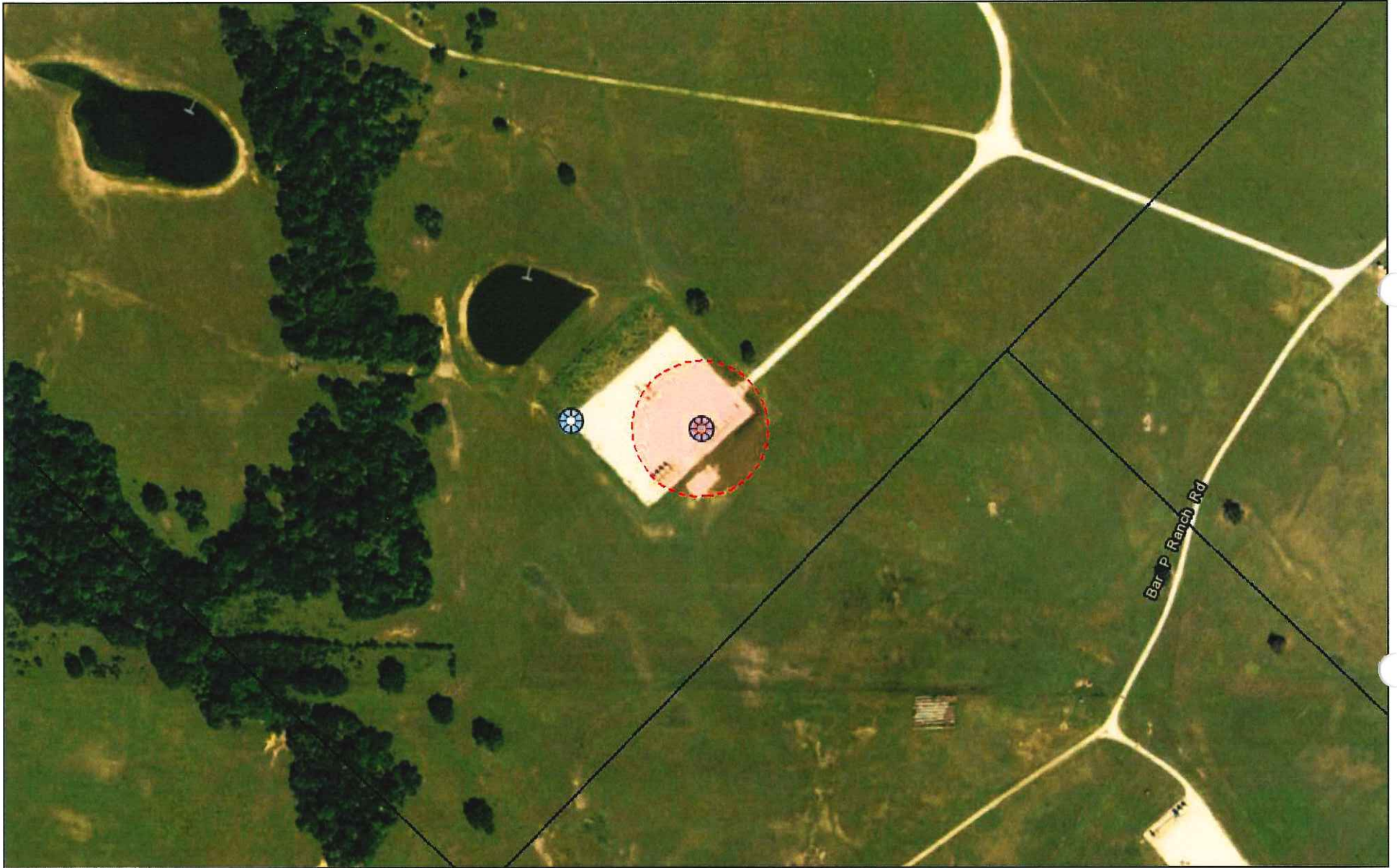
$108,631/43,560 = \mathbf{2.494}$ contiguous acres to be assigned to the well.

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).

Hawkwood Energy - BVDO-0223 - Sparta - 150 ac-ft/yr - 186' radius



September 11, 2017

pointLayer

● Override 1

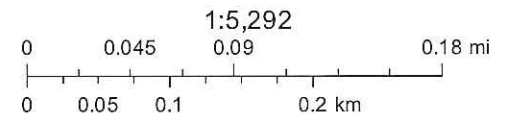
polygonLayer

■ Override 1

★ BVGCD Wells

□ Brazos CAD Parcels

□ Robertson CAD Parcels



Half Associates Inc.
Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

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

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:

$150 \text{ acre feet/year} \times .62 = 93 \text{ gpm}$ on an average annual basis

$93 \times 2'/\text{gpm}$ for Sparta wells = 186' radius from the wellhead

$186' \times 186' \times 3.14 = 108,631$ square feet around the well

$108,631/43,560 = \mathbf{2.494}$ 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).

Hawkwood Energy - BVDO-0224 - Sparta - 150 ac-ft/yr - 186' radius



September 11, 2017

pointLayer

● Override 1

polygonLayer

■ Override 1



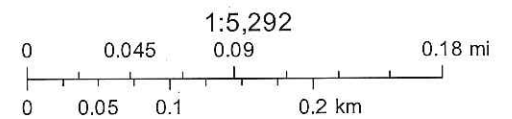
BVGCD Wells



Brazos CAD Parcels



Robertson CAD Parcels



Halff Associates Inc.
Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

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

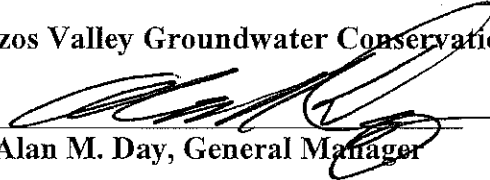
This Permit is granted subject to these Rules, orders of the Board, and the laws of the State of Texas. In addition to any special provisions or other requirements incorporated into the permit issued by the District.

- (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:


Alan M. Day, General Manager

9-14-17
Date

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:

$10 \text{ acre feet/year} \times .62 = 6.2 \text{ gpm}$ on an average annual basis

$6.2 \times 1'/\text{gpm}$ for Simsboro wells = 6.2' radius from the wellhead

$6.2' \times 6.2 \times 3.14 = 120.70$ 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.

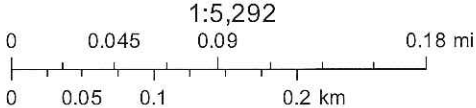
The permit was issued by the General Manager on 9-14-17 pursuant to District Rule 8.3(j).

Obenco Devon Fee 2-1 - BVOP-0286 - Simsboro - 10 ac-ft/yr - 6.2' radius



September 14, 2017

pointLayer polygonLayer
● Override 1 ■ Override 1



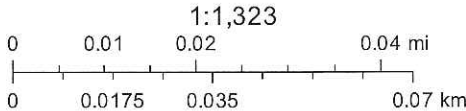
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Obenco Devon Fee 2-1 - BVOP-0286 - Simsboro - 10 ac-ft/yr - 6.2' radius



September 14, 2017

pointLayer polygonLayer
● Override 1 ■ Override 1



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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 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

9-14-17
Date

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:

$10 \text{ acre feet/year} \times .62 = 6.2 \text{ gpm}$ on an average annual basis

$6.2 \times 1'/\text{gpm}$ for Simsboro wells = 6.2' radius from the wellhead

$6.2' \times 6.2 \times 3.14 = 120.70$ 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.

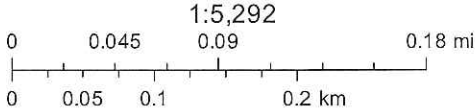
The permit was issued by the General Manager on 9-14-17 pursuant to District Rule 8.3(j).

Obenco Devon Fee 4-6 - BVOP-0287 - Simsboro - 10 ac-ft/yr - 6.2' radius



September 14, 2017

pointLayer polygonLayer
● Override 1 ■ Override 1



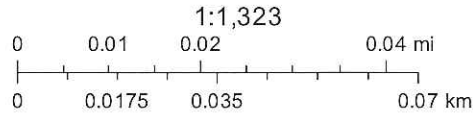
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Obenco Devon Fee 4-6 - BVOP-0287 - Simsboro - 10 ac-ft/yr - 6.2' radius



September 14, 2017

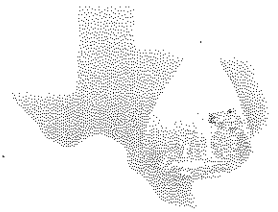
pointLayer polygonLayer
● Override 1 ■ Override 1



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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: _____

Alan M. Day, General Manager

9-28-17
Date

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:

$30 \text{ acre feet/year} \times .62 = 18.6 \text{ gpm}$ on an average annual basis

$18.6 \times 2'/\text{gpm}$ for Calvert Bluff wells =37.2' radius from the wellhead

$37.2' \times 37.2' \times 3.14 = 4,345$ 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).

Nguyen, Yen Thi - Calvert Bluff - 30 ac-ft/yr - 37.2' radius



September 27, 2017

pointLayer

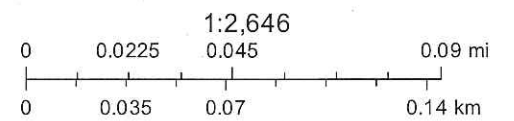
● Override 1

polygonLayer

■ Override 1

□ Brazos CAD Parcels

□ Robertson CAD Parcels



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