

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form must be Typed
Form must be Signed
All blanks must be Filled

APPLICATION TO AMEND INJECTION PERMIT

17-CONS-3689-CUIC

- Salt Water Disposal
- Repressuring
- Other Enhanced Recovery

Permit Number: E-27315

3 JK

SW 1/4 Sec. 14 Twp. 23 S. R. 10 East West

1056 Feet from North / South Section Line

3168 Feet from East / West Section Line

Lease: Vigle

Well #: VW-8 15-073-23, 710-00-01

Greenwood

County, Kansas

Originally granted to: Franklin D. Gaines

(All information above this line taken from the original permit)

Current Operator: License # 33245 Exp. 05/30/18 Contact Person: Andrew Brensing

Company Name: Cross Bar Energy, LLC

(As listed on operator license)

Address: 1700 N. Waterfront Pkwy, #300A, Wichita, KS 67206

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Phone: 316-239-6151

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It is requested that the (caption) (paragraph # _____) of the original permit be amended as follows:

- A. Change the authorized injection pressure to: 1000 psi maximum from the current permitted pressure of 500 psi.
- B. Change the authorized injection rate to: 400 bbl/day maximum from the current rate of 200 bbl/day.
- C. Add (_____) or delete (_____) the following leases/facilities supplying produced saltwater or other fluids approved by the Conservation Division.

	Company Name	Lease Name	Lease Description
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____
6.	_____	_____	_____
7.	_____	_____	_____
8.	_____	_____	_____

(Attach additional sheets if necessary)

- D. Change the permit by: (XX) add the following repressuring wells: VW-6 (formerly V-6) ;
(_____) change the injection formation; or (_____) change well construction; or (_____) other:

Mail to: KCC - Conservation Division, 266 N Main St, Ste 220, Wichita, Kansas 67202-1513

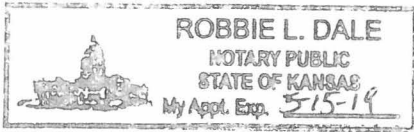
\$100.00 Paid
CK 111230
6/8/17

Offset Operators, Unleased Mineral Owners and Landowners
(Attach additional sheets if necessary)

Name _____ Legal Description of Leasehold _____

Please see attached sheets.

I hereby certify that the statements made herein are true and correct to the best of my knowledge and belief.



[Signature]
Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 6th day of June, 2017.

[Signature]
Notary Public

My Commission Expires: May 15, 2019

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Instructions for Form U-8

Application to Amend Injection Permit

1. All requested changes in injection authority must be submitted with this form.
2. Complete the top portion, (side 1) of the form with the information requested for the pilot well, as shown on the original order or permit.
3. Complete the current operator information, listing the license number, current name and address, contact person and phone number.
4. Fill in the type of change or amendment desired. Leave blank any sections not applicable.
5. For amendments adding additional input wells to enhanced recovery permits, the following information must be submitted in addition to pages 1 and 2 of form U-8:
 - a) pages 1 and 2 of form U-1
 - b) an updated map, showing the new well(s) and all existing wells; page 4 of the form U-1.
 - c) a complete log of the well(s) to be added;
 - d) verification of cement (cement tickets, bond log, etc.)
6. Attach Affidavit of Notice Served, page 5 of form U-1.
7. Attach Affidavit of Publication from the official county newspaper.
8. This form must be signed by the applicant or an authorized agent. A notarization of the signature is required.
9. All applicable fees must accompany this application.

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
APPLICATION FOR INJECTION WELL

Form U-1
July 2014
Form must be Typed
Form must be Signed
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Disposal

Enhanced Recovery: Repressuring
 Waterflood
 Tertiary

Date: 06-06-2017

Operator License Number: 33245

Operator: Cross Bar Energy, LLC

Address: 1700 N. Waterfront Pkwy, Bldg 300, Suite A
Wichita, KS 67206

Contact Person: Andrew Brensing

Phone: 316-239-6151

Email: andrew@crossbarcompanies.com

Permit Number: E-27315

API Number: 15-073-23608-00-01

Well Location

S2 - SE - SW - SW Sec. 14 Twp. 23 S. R. 10 E W
300 feet from N / S Line of Section
4290 feet from E / W Line of Section

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

Lease Description: All of Section
14-T23S-R10E

Lease Name: Vigle Well Number: VW-6

Field Name: Burkett (Formerly V-6)

County: Greenwood

Deepest Usable Water

Formation: NONE

Depth to Bottom of Formation: _____

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Check One: Old Well Being Converted Newly Drilled Well Well to be Drilled

Surface Elevation: 1280 feet Well Total Depth: 2180 feet Plug Back Depth: 2150 feet

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Datum of top of injection formation: -811 feet (reference mean sea level)

Injection Formation Description:

Name	top / bottom	perf / open hole	depth
<u>Bartlesville</u>	<u>2096 / 2121</u>	<u>Perforations</u> at <u>2097</u> to <u>2114</u> feet	
		at _____ to _____ feet	

List of Wells/Facilities Supplying Produced Saltwater or Other Fluids Approved by the Conservation Division:

(attach additional sheets if necessary)

Lease Operator	Lease/Facility Name	Lease/Facility Description	Well ID & Spot Location
1. _____	_____	_____	_____
2. <u>Please see attachment.</u>	_____	_____	_____
3. _____	_____	_____	_____

Producing Formation	Strata Depth	Total Dissolved Solids (if available)
1. <u>Bartlesville</u>	<u>2096</u> to <u>2121</u> feet	_____ mg/l
2. _____	_____ to _____ feet	_____ mg/l
3. _____	_____ to _____ feet	_____ mg/l

Maximum Requested Liquid Injection Rate: 400 bbls / day; or

Maximum Requested Gas Injection Rate: _____ scf / day. Type of Gas: _____

Maximum Requested Injection Pressure: 1000 psig

Well Completion

Type: Tubing & Packer Packerless Tubingless

	Conductor	Surface	Intermediate	Production	Tubing
Size		8-5/8"		4-1/2"	2-3/8"
Setting Depth		200'		2179'	2047'
Amount of Cement		130 sk		225 sk	
Top of Cement		surface		unknown	
Bottom of Cement		200'		2179'	

If Alternate II cementing, complete the following:

Perforations / D.V Tool at _____ feet, cemented to _____ feet with _____ sx

Tubing: Type 2-3/8" SEALTITE (PVC LINED TUBING) Grade J-8

Packer: Type SEALTITE LINED 4-1/2' BAKER PACKER Depth 2047'

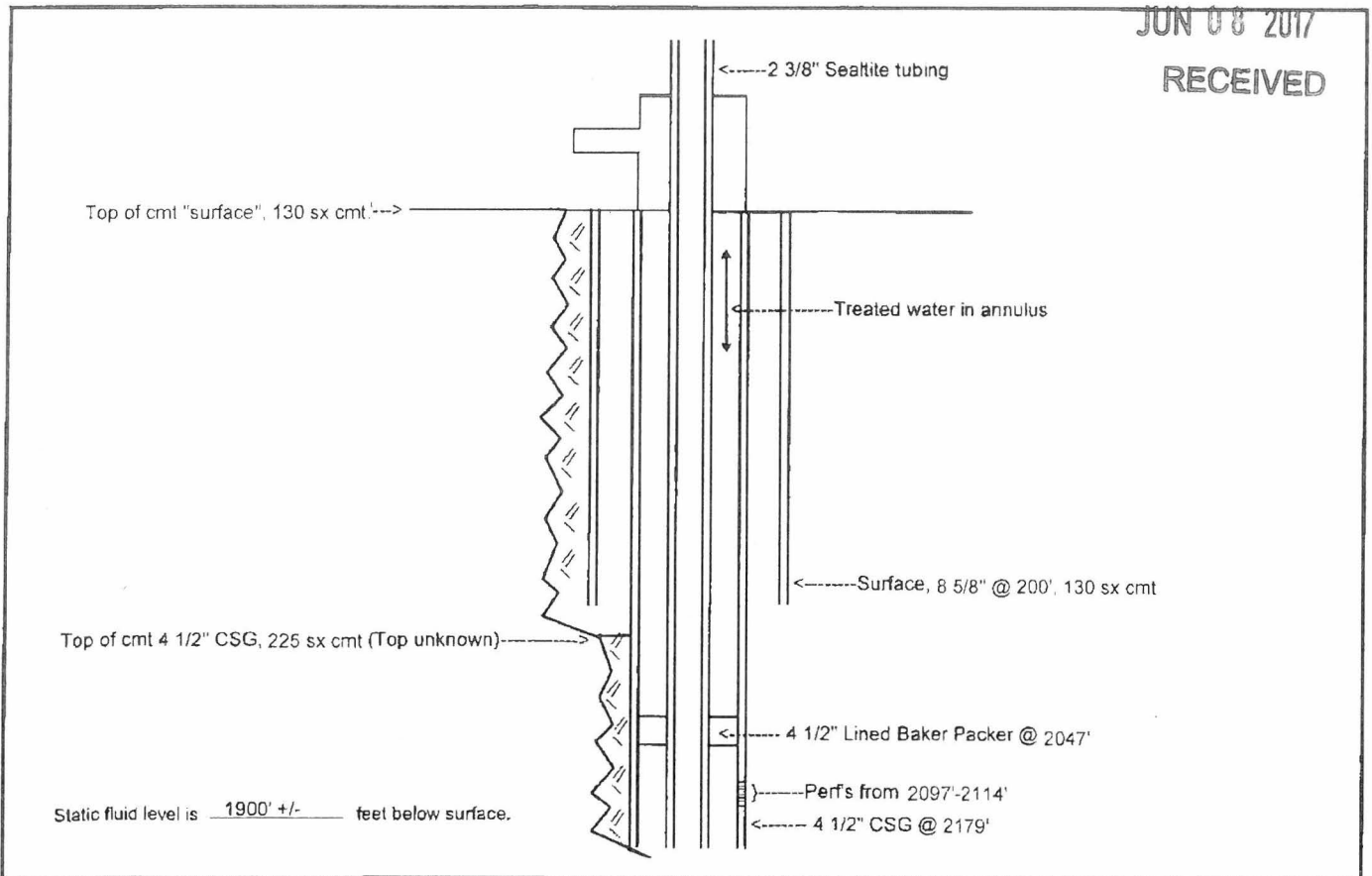
Annulus Corrosion Inhibitor: Type Champion Technologies R-2210 Concentration _____

List Logs Enclosed Radioactivity Log

Well Sketch

(To sketch installation, darken the appropriate lines, indicate cement, and show depths.)

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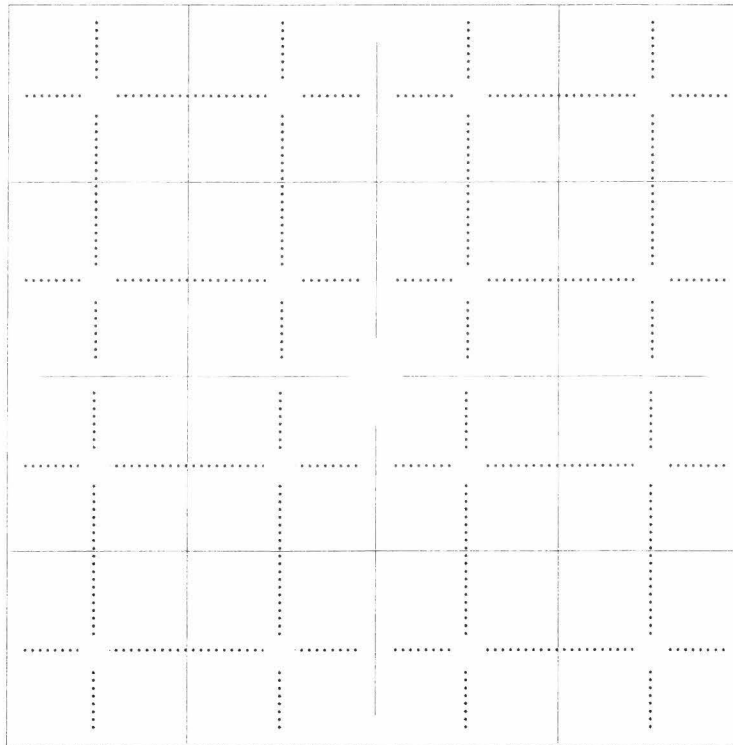
Plat and Certificate of Injection Well Location and Surrounding Acreages

Operator: Cross Bar Energy, LLC Location of Well: SW/4
 Lease: Vigle 300 feet from N / S Line of Section
 Well Number: VW-6 (formerly V-6) 4290 feet from E / W Line of Section
 County: Greenwood Sec. 14 Twp. 23 S. R. 10 East West

Plat

Show the following information: applicant injection well, all producing wells, inactive wells, plugged wells, and other wells within a one-half mile radius, all lease boundaries, lease operators, unleased mineral rights owners, well numbers, and producing wells producing formation tops.

Please see attachment.



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- applicant well
- producing well
- plugged injection well
- D & A well
- other injection well
- temporary abandoned well
- plugged producer
- water supply well

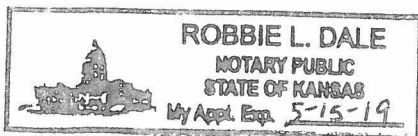
The undersigned hereby certifies that he / she is a duly authorized agent for Cross Bar Energy, LLC and that all of the information shown herein is true, complete and correct to the best of his / her knowledge.

[Signature]
 Applicant or Duly Authorized Agent

Subscribed and sworn before me this 6th day of June, 2017

Robbie L Dale
 Notary Public

My Commission Expires: May 15, 2019



Affidavit of Notice Served

Re: Application for: CROSS BAR ENERGY, LLC. (INJECTION WELL)

Well Name: VIGLE VW-6 (formerly V-6) Legal Location: SW/4 SEC 14-23S-R10E

The undersigned hereby certifies that he / she is a duly authorized agent for the applicant, and that on the day 6th of June, 2017, a true and correct copy of the application referenced above was delivered or mailed to the following parties:

Note: A copy of this affidavit must be served as a part of the application.

Name

Address (Attach additional sheets if necessary)

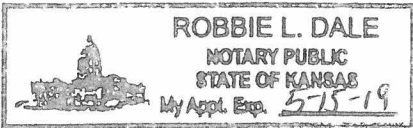
Please see attachment.

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I further attest that notice of the filing of this application was published in the EUREKA HERALD, the official county publication of GREENWOOD county. A copy of the affidavit of this publication is attached.

Signed this 6th day of June, 2017

[Signature]
Applicant or Duly Authorized Agent



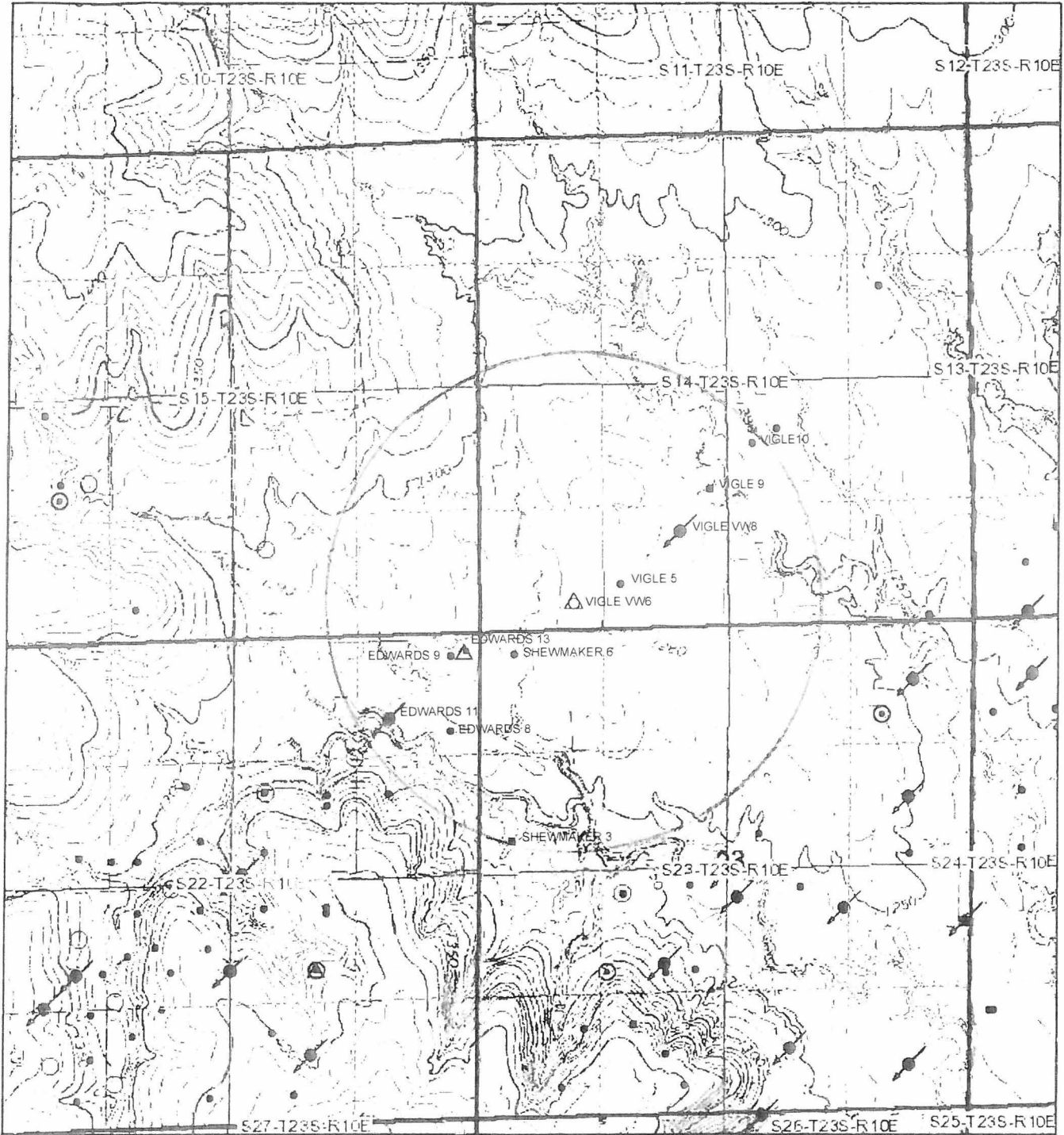
Subscribed and sworn to before me this 6th day of June, 2017

Robbie L Dale
Notary Public

My Commission Expires: May 15, 2019

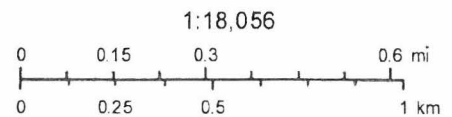
Protests may be filed by any party having a valid interest in the application. Petitions for protests shall be in writing and shall clearly identify the name and address of the protestant and the title of the application. The petition shall include a clear and concise statement of the direct and substantial interest of the protestant in the proceedings, including the manner in which the protestant may be affected, and the nature, extent, character and grounds of the protest. Protestants shall serve the protest upon the applicant by mail or personal service at the same time or before the protestant files the protest with the Conservation Division. Protests must be filed within 30 days of the publication notice of the application.

Vigle Lease VW-6 (Formerly V-6)



- ★ Oil and Gas
- ★ Oil and Gas - Plugged and Abandoned
- Oil
- ⊖ Oil - Plugged and Abandoned
- ⊙ Other
- ⊗ Other - Plugged and Abandoned
- ⊔ Salt Water Disposal
- ⊔ Salt Water Disposal - Plugged and Abandoned

- ⊕ Injection
- ⊕ Injection - Plugged and Abandoned
- ⊕ Dry and Abandoned
- ⊕ Enhanced Oil Recovery
- ⊕ Enhanced Oil Recovery - Plugged/Abandoned
- △ Applicant Well



Sources: Esri, DeLorme, HERE, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community
 Kansas Geological Survey

Attached sheet for page #2 of U8 form, and page #3 of U1 form

Offset Operators, Unleased Mineral Owners and Landowners

Operators

Three Rivers Exploration
538 Road 20
Olpe, KS, 66865
E/2 of Section 15-T23S-R10E

VIVA Oil Co. (Operator)
8357 Melrose DR.
Lenexa, KS, 66214
NE/4 of Section 22-T23S-R10E

Cross Bar Energy, LLC (Operator)
1700 N Waterfront Pkwy Bldg 300
Suite A
Wichita, KS, 67206
All Section 14-T23S-R10E
All Section 23-T23S-R10E

Land Owners

Cross Bar Land Company, LLC
Albert Brensing (Manager)
1700 N Waterfront Pkwy Bldg 300
Suite A
Wichita, KS, 67206
S/2 of Section 23-T23S-R10E

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Marlea Waddell Family Irrevocable Trust
Gerald Waddell, Trustee
1533 20th Park Place
Emporia, KS 66801
All of Section 15-T23-R10E

Linda Headrick
6671 322ND RD
Arkansas City, KS, 67005
All of Section 14-T23S-R10E

Ruth L. Edwards,
Mrs. JoAnn Wernli
RFD, Gridley, KS, 66852
NE/4 of Section 22-T23S-R10E

Attached sheet for page #1 of the U1 form

List of wells supplying saltwater. Lease operator is the same for all; Cross Bar Energy, LLC. Lease names are; Vigle, and Shewmaker. Lease descriptions are; All of Sect. 14; NW/4 of Sect. 23; all in T23S-R10E, Greenwood County, KS. The producing formation is the Bartlesville Sand for all. The total dissolved solids averages around 140,500 p.p.m. +/- 10,000.

Well #	Strata Depth	Spot Location	Sect.
V-5	2096-2102	507 FSL, 3810 FEL, SW/4	14
V-9	2084-2116	1500 FSL, 2850 FEL, SW/4	14
V-10	2086-2126	1965 FSL, 2385 FEL, SW/4	14
V-11	2102-2120	2112 FSL, 2112 FEL, SE/4	14
V Twin-2	2116-2122	330 FSL, 330 FEL, SE/4	14
S-3	2108-2124	2970 FSL, 4950 FEL, NW/4	23
S-6	2100-2114	4950 FSL, 4950 FEL, NW/4	23

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(First published in the Eureka Herald, May 24, 2017)

**BEFORE THE STATE CORPORATION COMMISSION
OF THE STATE OF KANSAS
NOTICE OF FILING APPLICATION**

IN THE MATTER OF THE APPLICATION OF CROSS BAR ENERGY, LLC FOR A PERMIT TO AUTHORIZE THE INJECTION OF SALTWATER INTO THE VIGLE VW-6 WELL LOCATED IN GREENWOOD COUNTY, KANSAS, AND AN AMENDMENT TO THE INJECTION PERMIT TO CHANGE THE AUTHORIZED INJECTION RATE AND PRESSURE.

TO: ALL INTERESTED PARTIES, OIL AND GAS PRODUCERS, UNLEASED MINERAL OWNERS, AND ALL OTHER PERSONS WHOMEVER CONCERNED.

You, and each of you, are hereby notified that Cross Bar Energy, LLC has filed an application to commence the injection of saltwater into the Bartlesville Formation and the Vigle VW-6 well located in SW/4 of Section 14, Township 23 South, Range 10 East, Greenwood County (300 feet from the south section line and 4290 feet from the east section line of Section 14, Township 23 South, Range 10 East, Greenwood County) with a maximum operating pressure of 1,000 psig and a maximum injection rate of 400 barrels per day. Any person who objects to or protests this application shall be required to file their written objections or protests with the Conservation Division of the State Corporation Commission of the State of Kansas within thirty (30) days from the date of this publication. Any such protests or objections shall be filed pursuant to the Kansas Corporation Commission's regulations and must state specific reasons why the grant of this application may cause, waste, violate correlative rights, or pollute the natural resources of the State of Kansas.

All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly.

Cross Bar Energy, LLC

Andrew Breising
Manager

1700 N Waterfront Pkwy Bldg 300, Suite A
Wichita, KS 67206
(316)239-6151
Operator of Cross Bar Energy, LLC

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