

2018-03-13 09:40:43

Kansas Corporation Commission

/s/ Lynn M. Retz

Design Approval

Form U-1  
July 2014

Form must be Typed

Form must be Signed

All blanks must be Filled

18-CONS-3345-CUIC

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

## APPLICATION FOR INJECTION WELL

Disposal ☐Enhanced Recovery: ☐ Repressuring☒ Waterflood☐ Tertiary

Date: January 23, 2018

Operator License Number: 8914 Exp. 08/30/18

Operator: H &amp; C Oil Operating Inc.

Address: PO Box 86  
Plainville, Kansas 67663

Contact Person: Charlie Ramsey

Phone: 785-434-7434

Email:

Permit Number: E-32,605

4-TB ✓

API Number: To be assigned pending design approval

## Well Location

- NE - SE - NE Sec. 25 Twp. 9 S. R. 25 ☐ E ☒ W1650 feet from ☒ N / ☐ S Line of Section330 feet from ☒ E / ☐ W Line of Section

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

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

Lease Description: S2 NE/4 Sec.25-T9S-R25W

Lease Name: Bakel Unit Well Number: 25-SIW

Field Name: Unnamed

County: Graham

## Deepest Usable Water

Formation: Dakota

Depth to Bottom of Formation: 1400

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

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Surface Elevation: 2585 feet Well Total Depth: 4200 feet Plug Back Depth: 4150 feet

Datum of top of injection formation: -1325 feet (reference mean sea level)

## Injection Formation Description:

Name	top / bottom	perf / open hole	depth
Lansing-Kansas City	3910 / 4150	Perforations at 3910 to 4150 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. H&C Oil Operating Inc.	Steelsmith	S2 NE/4 25-9-25	# 25-1 SE SE NE
2. H&C Oil Operating Inc.	Steelsmith	S2 NE/4 25-9-25	# 25-2 NW SE NE
3. H&C Oil Operating Inc.	North Fork Farms	N2 NE/4 25-9-25	# 25-1 SE NE NE

Producing Formation	Strata Depth	Total Dissolved Solids (if available)
1. Lansing-Kansas City	4056 to 4127 feet	NA mg/l
2. Lansing-Kansas City	3950 to 3967 feet	NA mg/l
3. Lansing-Kansas City	4080 to 4087 feet	NA mg/l

Maximum Requested Liquid Injection Rate: 1000 bbls / day; or

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

Maximum Requested Injection Pressure: 1250 psig

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

Paid \$200.00  
CK 3427  
1/30/18

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

	Lease Operator	Lease/Facility Name	Lease/Facility Description	Well ID & Spot Location
1.	H&C Oil Operating Inc.	Bakel	NW/4 30-9-24w	# 30-1 NW SW NW
	Producing Formation	Strata Depth	Total Dissolved Solids	
1.	Lansing-Kansas City	4079 to 4115 feet	NA	

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## Well Completion

Type: ☒ Tubing & Packer ☐ Packerless ☐ Tubingless

	Conductor	Surface	Intermediate	Production	Tubing
Size		8 5/8"		5 1/2"	2 1/2"
Setting Depth		250'		4200'	3900'
Amount of Cement		175 sacks		175 sacks	
Top of Cement		Surface		Est.3000'	
Bottom of Cement		250'		4200'	

If Alternate II cementing, complete the following:

Perforations / D.V. Tool at 2200 feet, cemented to surface feet with 225 sx.Tubing: Type Lined steel Grade J-55Packer: Type Coated AD-1 Depth 3900'Annulus Corrosion Inhibitor: Type Treated fresh water Concentration Manufacturer recommendationList Logs Enclosed: To be submitted with ACO-1 when drilled

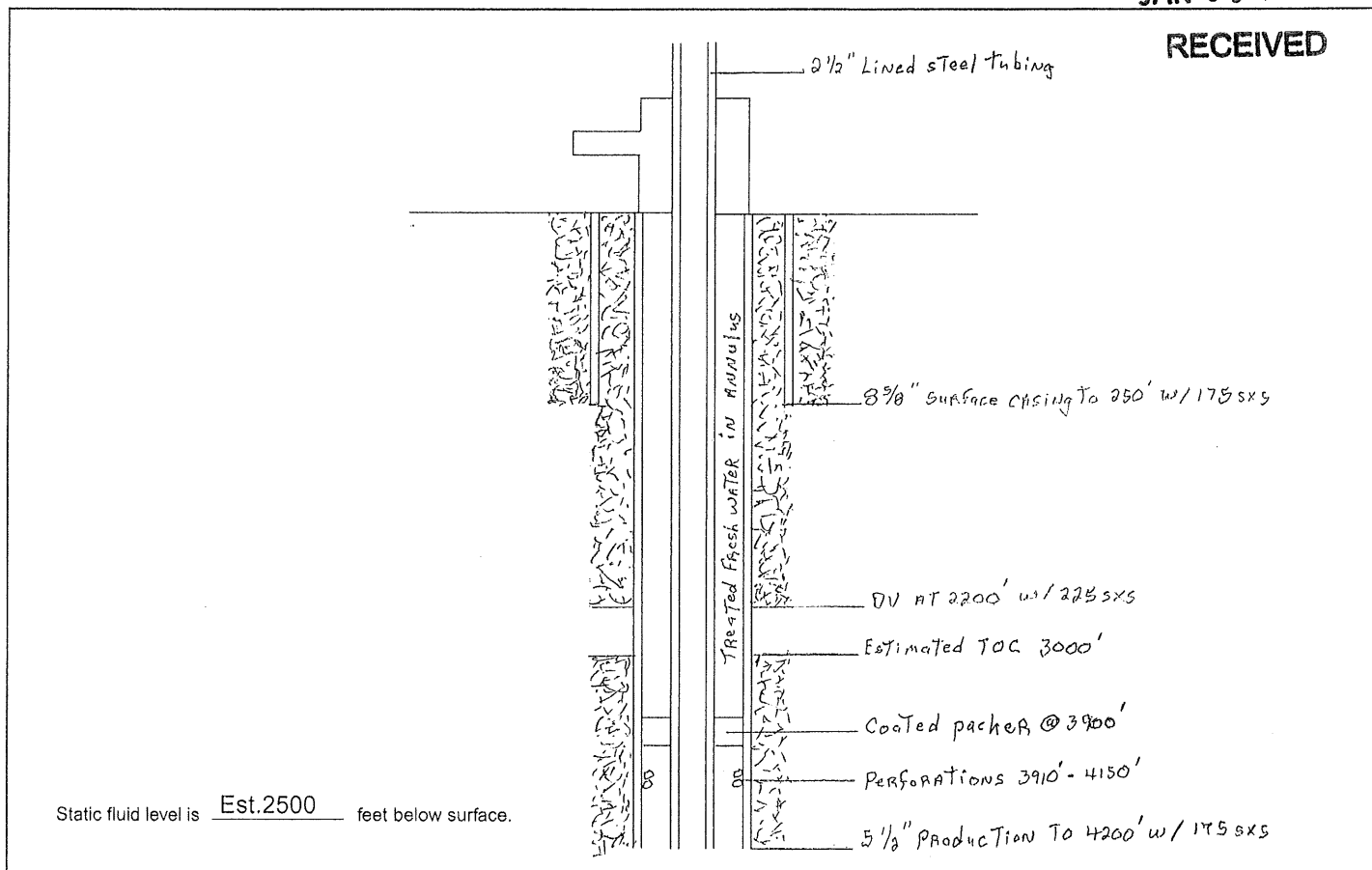
## Well Sketch

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

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**Offset Operators, Unleased Mineral Owners and Landowners acreage**

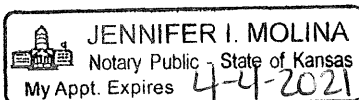
(Attach additional sheets if necessary)

Name:	Legal Description of Leasehold:
*Grindstone Resources LLC-Leased acreage	SW/4 19-9-24w
H&C Oil Operating Inc-Operator	NW/4 30-9-24w; N2 NE/4, S2 NE/4 25-9-25w
Great Plains Energy Inc.-Operator	SW/4 30-9-24w
Charles Waggoner-Landowner-open acreage	SE/4 24-9-25w; NW/4 25-9-25w
Elaine Bakel-Landowner- open acreage	SW/4 25-9-25w
North Fork Farms-Landowner-open acreage	SE/4 25-9-25w
Gregory Steelsmith-Landowner	S2 NE/4 25-9-25w
*part of Lonetree Oil & Gas Company	

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

Applicant or Duly Authorized Agent

Subscribed and sworn before me this 29<sup>th</sup> day of January, 2018

Notary Public

My Commission Expires: 4-4-2021**Instructions:**

- Fully complete application, including page 4 (*plat map*) showing subject well and all known oil, gas and input wells, including wells being drilled, inactive wells, or dry holes, within one-half mile. Show lease names and operators or unleased mineral rights owners of all lands within one-half mile. Show well numbers and elevations of producing formation tops.
- Attach some type of log (*drillers log, electric log, etc.*).
- Attach some type of verification of cementing for surface casing, longstring, D.V. tool, perforations, etc. (*Cement ticket and job log, bond log, etc.*)
- Attach Affidavit of Notice.
- Fill in schematic drawing of subsurface facilities including: size, setting depth, amount of cement, measured or calculated tops of cement for each of surface, intermediate (*if any*) and production casing; size and setting depth of tubing and packer; geological zone of injection showing top and bottom of injection interval.
- The original and one copy of the application and all attachments shall be mailed to the State Corporation Commission, Conservation Division.
- Deliver or mail one (*1*) copy of the application to the landowner on whose land the injection well is located and to each operator or lessee of record and each unleased mineral rights owner within one-half mile of the applicant well.
- Approval of this application, if granted, is valid only as long as there are no substantial changes in operation set forth in the application. A substantial change requires the approval of a new application. **No injection well may be used without prior written authorization.**
- All application fees must accompany the application.

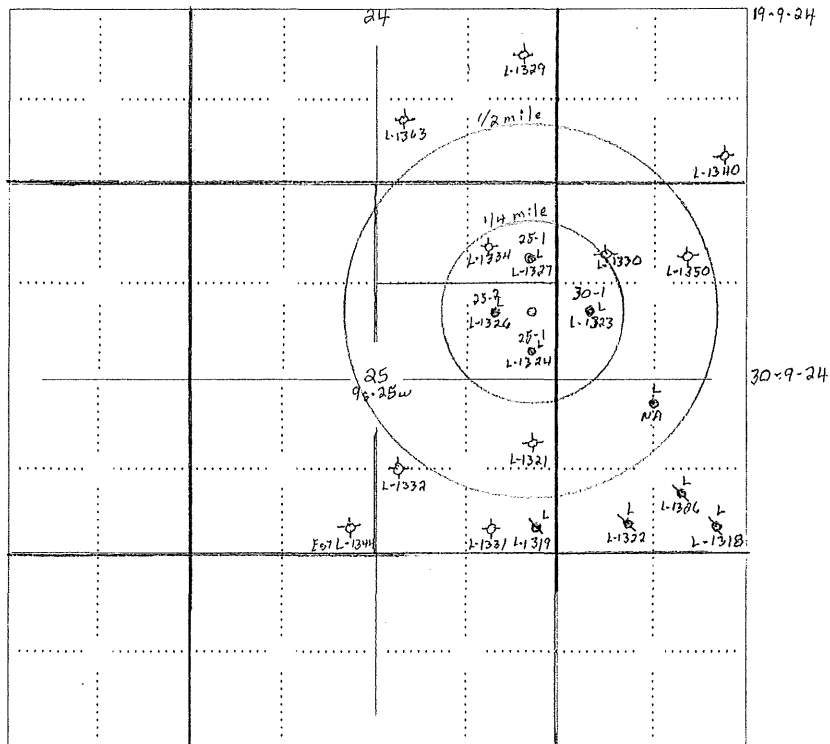
Operator: H&C Oil Operating Inc. Location of Well: NE SE NE

Lease: Bakel Unit 1650 feet from ☒ N / ☐ S Line of Section









Well Number: 25-SIW 330 feet from ☒ E / ☐ W Line of Section

County: Graham Sec. 25 Twp. 9 S. R. 25 ☐ East ☒ West

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.



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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			

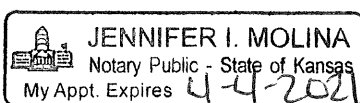
The undersigned hereby certifies that he / she is a duly authorized agent for H & C OIL OPERATING, INC, and that all of the information shown herein is true, complete and correct to the best of his / her knowledge.

for H & C OIL OPERATING, INC, and that all of the information  
 is. Charles R Ramsey  
 Applicant or Duly Authorized Agent

Subscribed and sworn before me this 29th day of January 2018

Christine J. Molina  
Notary Public

My Commission Expires: 4-4-2022



**Affidavit of Notice Served**Re: Application for: H&C Oil Operating Inc.Well Name: Bakel Unit # 25-5IWLegal Location: NE SE NE Sec.9-T9S-R25W

The undersigned hereby certifies that he / she is a duly authorized agent for the applicant, and that on the day 24 of January,  
2018, 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)

\*Grindstone Resources LLC

5228 West Geddes Place, Littleton, CO 80128

Great Plains Energy, Inc.

6121 S 58th St, Ste.B, Lincoln, NE 68516

Charles Waggoner

1946 140th Ave, Morland, KS 67650

Elaine Bakel

4860 Twin Peaks Circle, Ft. Collins, CO 80528

North Fork Farms

1412 MW Westwood Dr., Blue Springs, MO 64015

Gregory Steelsmith

PO Box 62, Albion, Iowa 50005

\* part of Lonetree Oil &amp; Gas Company

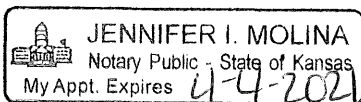
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I further attest that notice of the filing of this application was published in the Hill City Times, the official county publication  
 of Graham county. A copy of the affidavit of this publication is attached.

Signed this 29<sup>th</sup> day of January, 2018

Charles R Ramsey  
 Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 29<sup>th</sup> day of January, 2018



Jennifer I. Molina  
 Notary Public  
 My Commission Expires: 4-4-2021

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.