

2018-08-29 09:03:09

Kansas Corporation Commission

/s/ Lynn M. Retz

Form U-1

July 2014

Form must be Typed

Form must be Signed

All blanks must be Filled

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

19-CONS-3097-CUIC

## APPLICATION FOR INJECTION WELL

Disposal ☐Enhanced Recovery: ☐ Repressuring☒ Waterflood☐ Tertiary

Date: 8/15/2018

Operator License Number: 33596 Exp. 05/30/19

Operator: Unit Petroleum Company

Address: 8202 South Unit Drive

Tulsa, OK 74132

Frank Yang

Contact Person: Tyler Cervi (cc)

Phone: 918.477.3932 918-493-7700

Email: tyler.cervi@unitcorp.com

Permit Number: E-32,715

API Number: 15-155-24329

Well Location

20,490-00-02

NE - SE - - - Sec. 16 Twp. 25 S. R. 9 ☐ E ☒ W1,980 feet from ☐ N / ☒ S Line of Section660 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: S/2-SE &amp; NE-SE &amp; E/2-NE of Sec.

16-25S-9W, Reno Co., Kansas

Lease Name: Royce A Well Number: 1

Field Name: Langdon

County: Reno

Deepest Usable Water

Formation: High Plains Aquifer

Depth to Bottom of Formation: 120

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

Surface Elevation: 1676 feet Well Total Depth: 4145 feet Plug Back Depth: 4013 feet

Datum of top of injection formation: 2164 feet (reference mean sea level)

## Injection Formation Description:

Name	top / bottom	perf / open hole	depth
Mississippi	3838 / 3906	Perf	at 3840 to 3854 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. Unit Petroleum Company	See Attached		
2.			
3.			

Producing Formation	Strata Depth	Total Dissolved Solids (if available)
1. Mississippi	to feet	Approximately 190,000 mg/l
2.	to feet	mg/l
3.	to feet	mg/l

Maximum Requested Liquid Injection Rate: 10,000 bbls / day; or

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

Maximum Requested Injection Pressure: 500 psig

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

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Paid \$200.00  
CK 1000063167  
8/28/18

**Attachment for the Royce "A" #1 Injection Permit**

	<b>Company Name</b>	<b>Lease Name</b>	<b>Lease Description</b>
1	Unit Petroleum Company	Aurell #1-20A	NW Sec. 20-25S-9W, Reno County, Kansas
2	Unit Petroleum Company	Aurell #2-20A	NW Sec. 20-25S-9W, Reno County, Kansas
3	Unit Petroleum Company	Black Farms 4-1H	NW Sec. 4-25S-10W, Reno County, Kansas
4	Unit Petroleum Company	Debes 20-1H	NW NE NW NW, Sec. 29-25S-10W, Reno County, Kansas
5	Unit Petroleum Company	Debes 29-1H	N2 N2 NW NW, Sec. 29-25S-10W, Reno County, Kansas
6	Unit Petroleum Company	Debes 32-1H	SE SW SW SW, Sec. 29-25S-10W, Reno County, Kansas
7	Unit Petroleum Company	Dye Trust 19-1H	NW NE NW NW, Sec. 30-25S-10W, Reno County, Kansas
8	Unit Petroleum Company	Dye Trust 30-1H	NW NE NW NW, Sec. 30-25S-10W, Reno County, Kansas
9	Unit Petroleum Company	Feedlot 15-2H	SE SW SW SW, Sec. 15-25S-10W, Reno County, Kansas
10	Unit Petroleum Company	Feedlot 22-1H	SE SW SW SW, Sec. 15-25S-10W, Reno County, Kansas
11	Unit Petroleum Company	Gaston 1-17	E2 NE SW, Sec. 17-25S-9W, Reno County, Kansas
12	Unit Petroleum Company	Grieve Trust 1	S2 NW Sec. 21-25S-9W, Reno County, Kansas
13	Unit Petroleum Company	Hansen #1	N2 NW NE Sec. 21-25S-9W, Reno County, Kansas
14	Unit Petroleum Company	Haw 15-2H	SW SW SW SE, Sec. 15-25S-10W, Reno County, Kansas
15	Unit Petroleum Company	Haw 22-1H	SE SW SW SE, Sec. 15-25S-10W, Reno County, Kansas
16	Unit Petroleum Company	Haw Ranch 29-2H	SE SW SW SE, Sec. 29-25S-10W, Reno County, Kansas
17	Unit Petroleum Company	Haw Ranch 32-1H	S2 SW SW SE, Sec. 29-25S-10W, Reno County, Kansas
18	Unit Petroleum Company	Hornbaker 5-1H	SE SE SE SW, Sec. 5-25S-10W, Reno County, Kansas
19	Unit Petroleum Company	Ismert 23-1H	SW SE SW SW, Section 23-25S-10W, Reno County, Kansas
20	Unit Petroleum Company	Loudenback 13-1H	NE NW NE NE, Sec. 13-25S-11W, Stafford County, Kansas
21	Unit Petroleum Company	Loudenback 18-1H	NW NW NE NE, Sec. 18-25S-10W, Reno County, Kansas
22	Unit Petroleum Company	Loudenback 18-2H	SE SW SW SW, Sec. 7-25S-10W, Reno County, Kansas
23	Unit Petroleum Company	Loudenback 7-1H	NW NW NE NE, Sec. 18-25S-10W, Reno County, Kansas
24	Unit Petroleum Company	Maxwell #2	NW SE, Sec. 16-25S-9W, Reno County, Kansas
25	Unit Petroleum Company	Maxwell #5	N2 N2, Sec. 16-25S-9W, Reno County, Kansas
26	Unit Petroleum Company	McAttee	NW NE NW SW Sec. 16-25S-9W, Reno County, Kansas
27	Unit Petroleum Company	Milburn A #1	E2 W2 NE SW Sec. 16-25S-9W, Reno County, Kansas
28	Unit Petroleum Company	Miller 26-1H	S2 N2 NE NE, Sec. 26-25S-10W, Reno County, Kansas
29	Unit Petroleum Company	Overall 1-21H	SW SE SE SE, Sec. 21-25S-10W, Reno County, Kansas
30	Unit Petroleum Company	Overall 2-21H	S2 SW SW SE, Sec. 21-25S-10W, Reno County, Kansas
31	Unit Petroleum Company	Pace 24-1H	NE NW NW SW, Sec. 24-25S-10W, Reno County, Kansas
32	Unit Petroleum Company	Rock Chalk Farms 28-1H	NW NE NW NW, Sec. 33-25S-10W, Reno County, Kansas
33	Unit Petroleum Company	Rock Chalk Farms 33-1H	NW NE NW NW, Sec. 33-25S-10W, Reno County, Kansas
34	Unit Petroleum Company	Rock Chalk Farms 33-2H	NE NE NE NW, Sec. 33-25S-10W, Reno County, Kansas
35	Unit Petroleum Company	Rooney 1H	SE SW SW SW Sec. 6-26S-10W, Reno County, Kansas
36	Unit Petroleum Company	Royce A #1	NE SE Sec. 16-25S-9W, Reno County, Kansas
37	Unit Petroleum Company	Royce, Joy #1	SW SW NE Sec. 20-25S-9W, Reno County, Kansas
38	Unit Petroleum Company	Shultz 10-1H	NE NW NW NE, Sec. 15-25S-9W, Reno County, Kansas
39	Unit Petroleum Company	Shultz Trust 15-1H	NE NW NW NE, Sec. 15-25S-9W, Reno County, Kansas
40	Unit Petroleum Company	Stewart 27-1H	NW NE NW NW, Sec. 27-25S-10W, Reno County, Kansas
41	Unit Petroleum Company	Stroberg 24-1H	NW NE SE NW, Sec. 24-25S-10W, Reno County, Kansas
42	Unit Petroleum Company	Urban 13-1H	SW SE SE SE Sec. 13-25S-10W, Reno County, KS
43	Unit Petroleum Company	Urban 24-1H	SW SE SE SE, Sec. 13-25S-10W, Reno County, Kansas
44	Unit Petroleum Company	Weller 31-1H	SW SW SW SE, Sec. 30-25S-10W, Reno County, Kansas
45	Unit Petroleum Company	Zink 1	Sec. 20-25S-9W, Reno County, Kansas
46	Unit Petroleum Company	Zink 2	Sec. 20-25S-9W, Reno County, Kansas
47	Unit Petroleum Company	Zoloty 17-1H	N2 NW NE NE Sec. 20-25S-9W, Reno County, Kansas
48	Palomino Petroleum, Inc.	Preisser Farms #1	NW/4 NE/4 NE/4 NE/4 Sec. 23-25S-10W, Reno County, KS

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**Well Completion**Type: ☒ Tubing & Packer ☐ Packerless ☐ Tubingless

	Conductor	Surface	Intermediate	Production	Tubing
Size		8.625		4.5	2.375
Setting Depth		163		4144	3813
Amount of Cement		175 sacks		200 sacks	none
Top of Cement		Surface		3275	none
Bottom of Cement		163		4144	none

*If Alternate II cementing, complete the following:*

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

Tubing: Type \_\_\_\_\_ Grade \_\_\_\_\_

Packer: Type \_\_\_\_\_ Depth \_\_\_\_\_

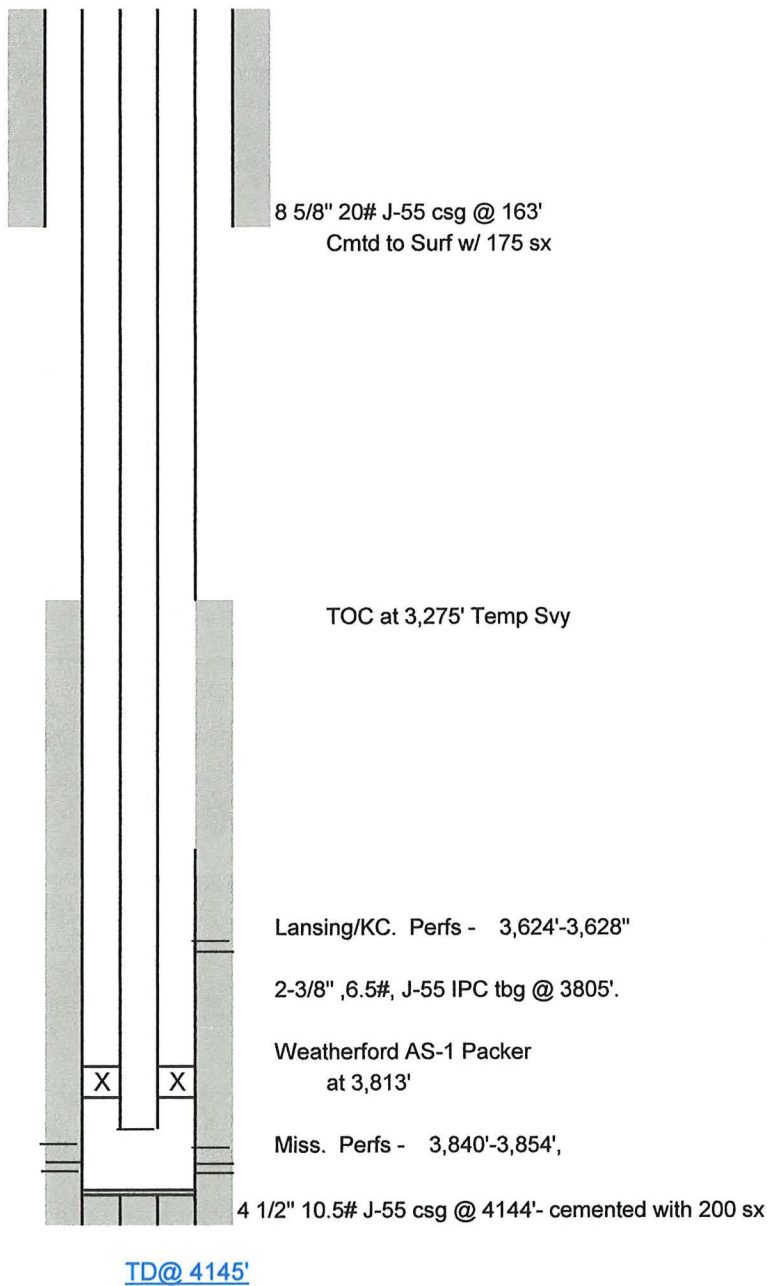
Annulus Corrosion Inhibitor: Type \_\_\_\_\_ Concentration \_\_\_\_\_

List Logs Enclosed: \_\_\_\_\_

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Static fluid level is \_\_\_\_\_ feet below surface.

Well Name: Royce A #1  
Section: 16-25S-9W  
County: Reno County, Kansas  
Spud Date: 3/2/1978  
Completion: 3/25/1978  
WBD Created: 3/1/2017  
Surface Hole: 1980' FSL\_\_660' FEL



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**Unit Petroleum Company**  
 8200 South Unit Dr.  
 P.O. Box 702500, Tulsa, OK 74170  
 TEL: (918) 493-7700

## Tubing

**Well Name: Royce A 1**

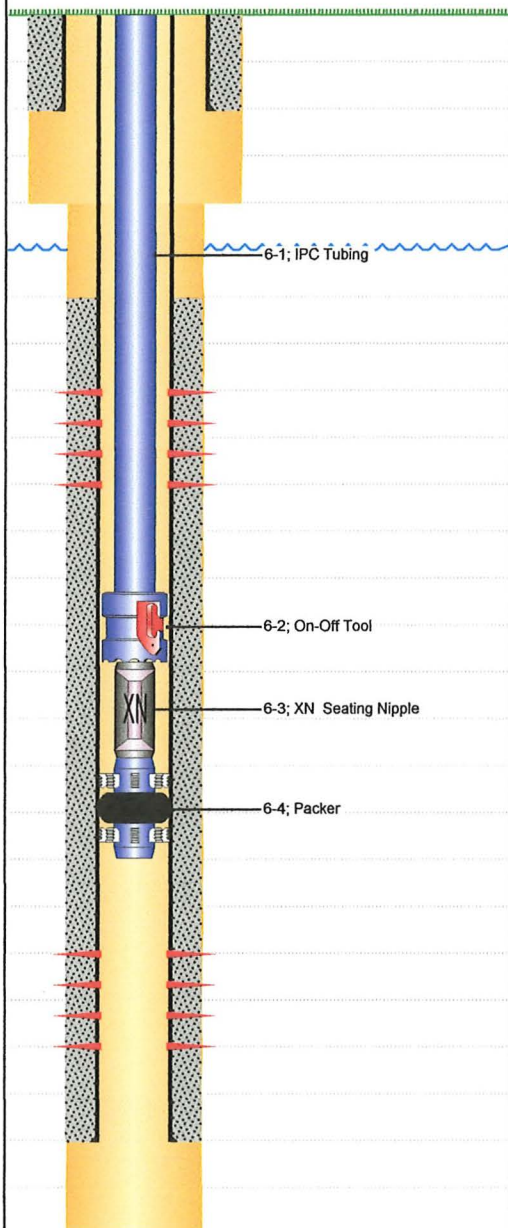
Well Name Royce A 1	Section 16	Township 25S	Range 09W	Block	Survey	N/S Dist (ft) 1,980.0	N/S Ref FSL	E/W Dist (ft) 660.0	E/W Ref FEL
District Panhandle KS	County Reno	State/Province Kansas		Original KB Elevation (ft) 1,684.00		KB-Ground Distance (ft) 8.00			
Basin Sedgwick Basin	API/UWI 1515520490	Field Name Langdon		Spud Date 3/1/1978	User Date 1 5/16/1978	On Production Date			

Vertical - Original Hole, 8/20/2018

Vertical schematic (actual)

### Tubing

Tubing Description Tubing - Production				Set Depth (ftKB) 3,813.8	Run Date 8/20/2018	Pull Date			
Comment set AS1 nickel plated packer									
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
117	IPC Tubing	2 3/8	2.00	4.70	J-55		3,797.9 1	8.0	3,805.9
1	On-Off Tool	3 3/4	2.00				0.74	3,805.9	3,806.7
1	XN Seating Nipple	2 3/8	1.88				1.00	3,806.7	3,807.7
1	Packer	2 3/8					6.19	3,807.7	3,813.8



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

(Attach additional sheets if necessary)

Name:

Legal Description of Leasehold:


Offset Operators - Unit Petroleum Company

S/2-SE &amp; NE-SE &amp; E/2-NE 16-25S-9W, Reno Co., KS

Unleased Mineral Owners - N/A

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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 27<sup>th</sup> day of August, 2018
  
 Notary Public
My Commission Expires: 03/03/2019**Instructions:**

1. 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.
2. Attach some type of log (*drillers log, electric log, etc.*).
3. Attach some type of verification of cementing for surface casing, longstring, D.V. tool, perforations, etc. (*Cement ticket and job log, bond log, etc.*)
4. Attach Affidavit of Notice.
5. 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.
6. The original and one copy of the application and all attachments shall be mailed to the State Corporation Commission, Conservation Division.
7. 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.
8. 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.**
9. All application fees must accompany the application.

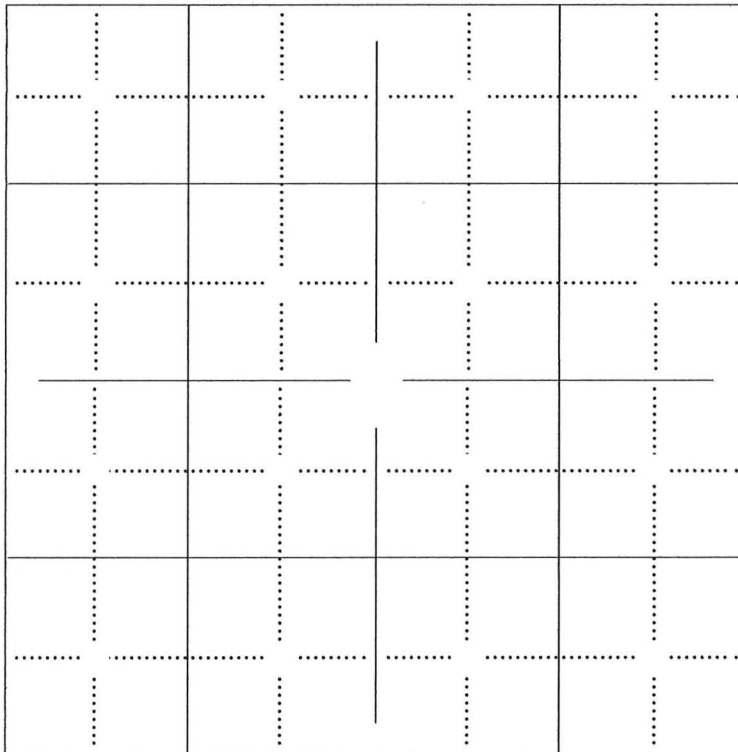


**Plat and Certificate of Injection Well Location and Surrounding Acreages**

Operator: Unit Petroleum Company Location of Well: NE SE Sec. 16-25S-9W, Reno County, KS  
 Lease: Royce A 1,980 feet from ☐ N / ☒ S Line of Section  
 Well Number: #1 660 feet from ☒ E / ☐ W Line of Section  
 County: Reno Sec. 16 Twp. 25 S. R. 9 ☐ 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.



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applicant well

producing well

plugged injection well

D &amp; A well

other injection well

temporary abandoned well

plugged producer

water supply well

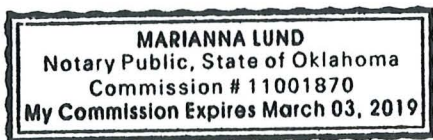
The undersigned hereby certifies that he / she is a duly authorized agent for Unit Petroleum Co., and that all of the information shown herein is true, complete and correct to the best of his / her knowledge.

[Signature]  
 Applicant or Duly Authorized Agent

Subscribed and sworn before me this 27<sup>th</sup> day of August, 2018

Marianna Lund  
 Notary Public

My Commission Expires: 03/03/2019



[illegible]



**Affidavit of Notice Served**

Re: Application for: Injection Well  
 Well Name: Royce A #1 Legal Location: Section 16-25S-9W, Reno Co., KS

The undersigned hereby certifies that he / she is a duly authorized agent for the applicant, and that on the day 27 of August,  
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)

William K. Royce &amp; Clare Lynn Johnson

26400 W. Castleton Rd., Langdon, KS 67583

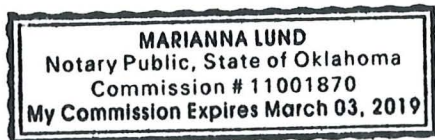
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I further attest that notice of the filing of this application was published in the Hutchinson News, the official county publication  
 of Reno county. A copy of the affidavit of this publication is attached.

Signed this 27<sup>th</sup> day of August, 2018

[Signature]  
 Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 27 day of August, 2018



Marianna Lund  
 Notary Public

My Commission Expires: 03/03/2019

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.



