

2017-11-06 13:11:33

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

18-CONS-3205-CUIC

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

Disposal ☐Enhanced Recovery: ☐ Repressuring☒ Waterflood☐ TertiaryDate: October 2, 2017Operator License Number: 3842 Exp. 07/30/18Operator: Larson Engineering, Inc. dba LarsonAddress: 562 W State Rd 4 Operating CompanyOlmitz, KS 67564Contact Person: Tom LarsonPhone: 620-653-7368Email: thomas@larsoneng.netPermit Number: PendingAPI Number: 15-101-22972-0001**Well Location**SW - SW - NE - SE Sec. 21 Twp. 18 S. R. 29 ☐ E ☒ W1500 feet from ☐ N / ☒ S Line of Section997 feet from ☒ E / ☐ W Line of SectionGPS Location: Lat: 38.4717409, Long: -100.525048  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)Datum: ☒ NAD27 ☐ NAD83 ☐ WGS84Lease Description: SE/4 Sec 21-18S-29WLease Name: Danis Well Number: 1-21Field Name: Reifschneider SoutheastCounty: Lane**Deepest Usable Water**

Formation: \_\_\_\_\_ Received

KANSAS CORPORATION COMMISSION

Depth to Bottom of Formation: \_\_\_\_\_

**OCT 11 2017**Check One: ☒ Old Well Being Converted ☐ Newly Drilled Well ☐ Well to be DrilledCONSERVATION DIVISION  
WICHITA, KSSurface Elevation: 2810 feet Well Total Depth: 4656 feet Plug Back Depth: 4590 feetDatum of top of injection formation: 4346 (-1529') feet (reference mean sea level)**Injection Formation Description:**

Name	top / bottom	perf / open hole	depth
Pleasanton	4343 / 4356	perf	at 4346 to 4348 feet
Altamont	4416 / 4448	perf	at 4430 to 4432 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. Larson Engineering, Inc.	Walker	NW & W/2 NE 21-18-29	#1-21 1680 FNL 1660 FEL
2. Larson Engineering, Inc.	Walker	NW & W/2 NE 21-18-29	#2-21 1477 FNL 1766 FWL
3. Larson Engineering, Inc.	Neil	NE/4 28-18-29	#1-28 910 FNL 500 FEL

Producing Formation	Strata Depth	Total Dissolved Solids (if available)
1. Pleasanton	4319 to 4323 feet	_____ mg/l
2. L-KC I	4187 to 4191 feet	_____ mg/l
3. Johnson Altamont Pleasanton	4332 to 4568 feet	_____ mg/l

Maximum Requested Liquid Injection Rate: 750 bbls / day; or

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

Maximum Requested Injection Pressure: 1200 psig

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

**Paid \$200.00 - ?**  
**CK 31380**  
**10/11/17**

Attachment to Form U-1 – Application for Injection Well  
 Larson Engineering, Inc.  
 Danis #1-21  
 API #15-101-22372  
 1500' FSL & 997' FEL Sec. 21-18S-29W  
 Lane Co., Kansas

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 WICHITA, KS

Additional Sheet

**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
4.	Larson Engineering, Inc.	Wilson	NW/4 Sec 27-18S-29W	#1-27 1240 FNL 1020 FWL
5	Larson Engineering, Inc.	Wilson-McWhirter	NW/4 Sec 27-18S-29W	#1-27 13 FNL 2137 FWL

	Producing Formation	Strata Depth			Total Dissolved Solids (if available)
4.	Johnson, Altamont, B-KC, Pleasanton, L-KC	4186	to	4554 feet	mg/l
5.	Johnson, Pleasanton	4329	to	4556 feet	

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

	Conductor	Surface	Intermediate	Production	Tubing
Size		8.625"		5.5"	2.375"
Setting Depth		261'		4655'	4330'
Amount of Cement		175 sx		125 sx	
Top of Cement		0		3485'	
Bottom of Cement		261'		4655'	

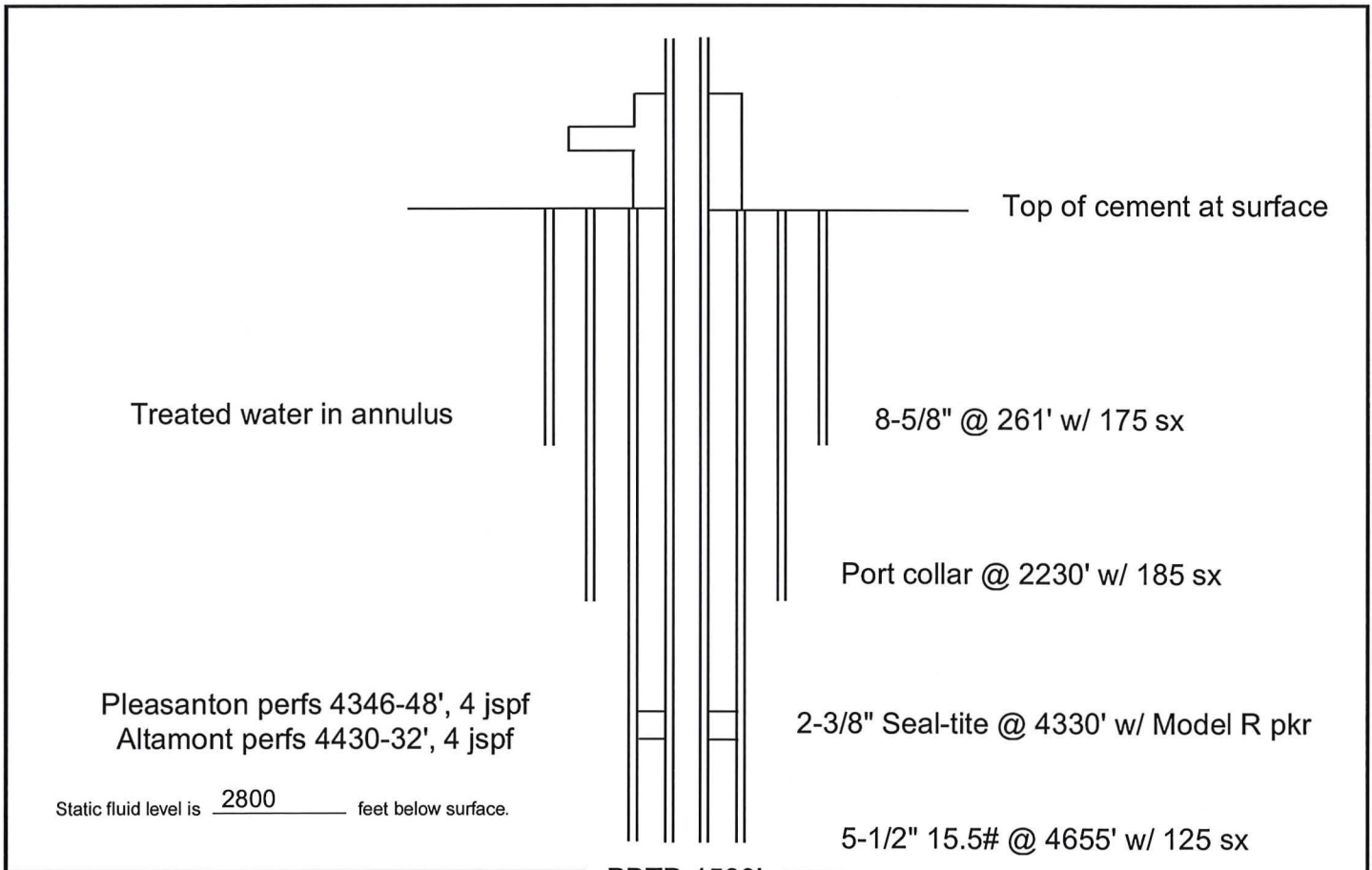
If Alternate II cementing, complete the following:

Perforations / D.V. Tool at 2230 feet, cemented to 0 feet with 185 sx.Tubing: Type Seal-Tite lined Grade J-55Packer: Type plastic coated Seal-Tite lined Model R Depth 4330'Annulus Corrosion Inhibitor: Type Nalco-Champion Cortron R-228 Concentration as requiredList Logs Enclosed: None - all open and cased-hole logs available on KGS websiteReceived  
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WICHITA, KS**Well Sketch**

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



PBTD 4590'

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

(Attach additional sheets if necessary)

Name:

Legal Description of Leasehold:

Larson Engineering, Inc.

NW/4 &amp; W/2 NE/4 Sec 21-18S-29W

Larson Engineering, Inc.

E/2 NE/4 Sec 21-18S-29W

Larson Engineering, Inc.

S/2 Sec 21-18S-29W

Larson Engineering, Inc.

NW/4 Sec 22-18S-29W

Larson Engineering, Inc.

SW/4 Sec 22-18S-29W

Larson Engineering, Inc.

N/2 NW/4 Sec 28-18S-29W

Larson Engineering, Inc.

NE/4 Sec 28-18S-29W

Larson Engineering, Inc.

NW/4 Sec 27-18S-29W

J. Gail Stanley - Landowner


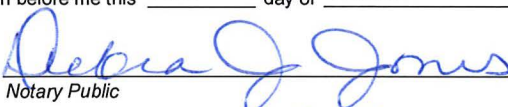
S/2 Sec 21-18S-29W

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WICHITA, KS

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 2nd day of October, 2017
  
 Notary Public
My Commission Expires: 5/5/2020**Instructions:**

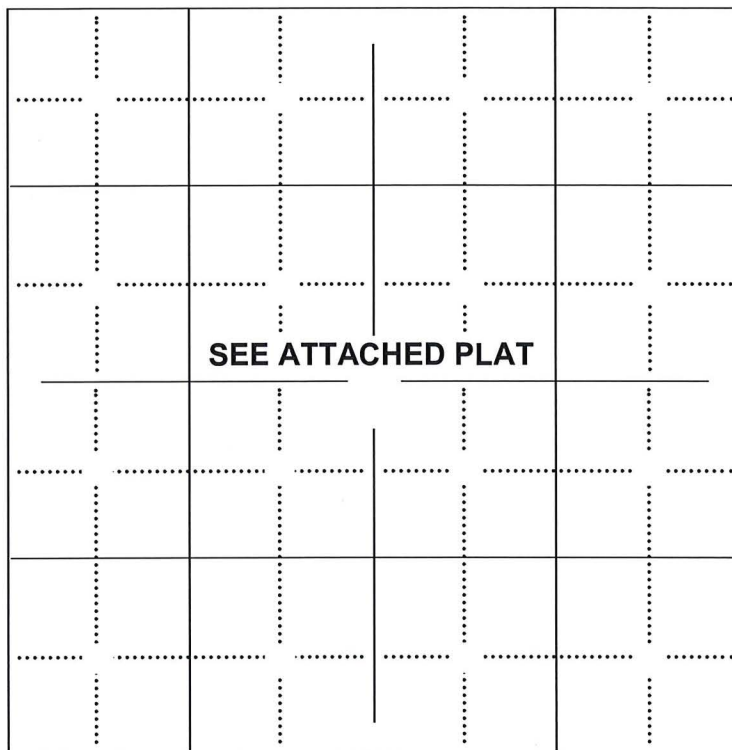
1. Fully complete application, including page 4 (*plat map*) showing subject well and all known oil, gas and input wells, including wells being drilled, inactive wells, or dry holes, within one-half mile. Show lease names and operators or unleased mineral rights owners of all lands within one-half mile. 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: Larson Engineering, Inc. Location of Well: SW SW NE SE  
 Lease: Danis 1500 feet from ☐ N / ☒ S Line of Section  
 Well Number: 1-21 997 feet from ☒ E / ☐ W Line of Section  
 County: Lane Sec. 21 Twp. 18 S. R. 29 ☐ 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 Larson Engineering, Inc., and that all of the information shown herein is true, complete and correct to the best of his / her knowledge.

Thomas Larson  
Applicant or Duly Authorized Agent

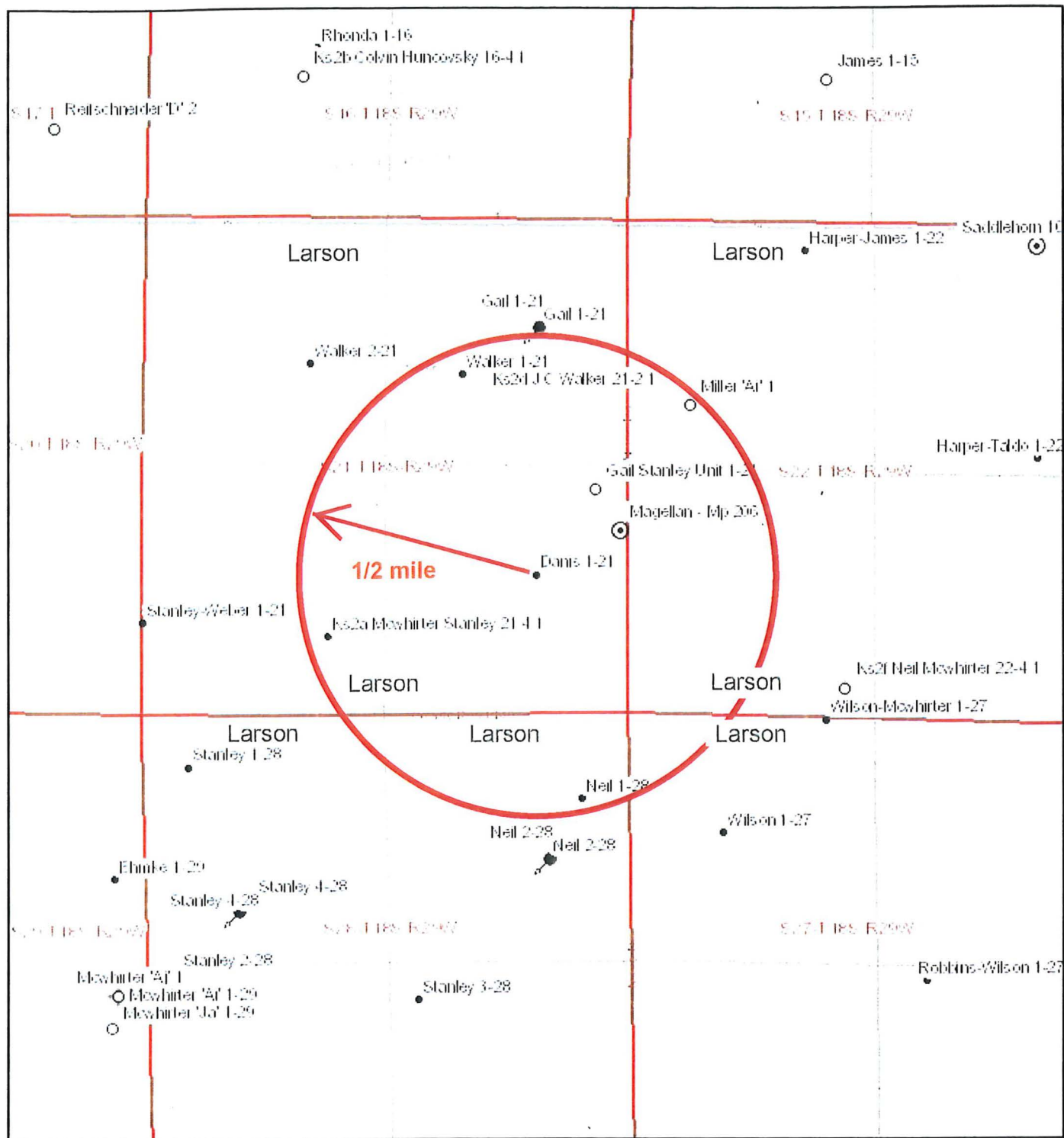
Subscribed and sworn before me this 2nd day of October, 2017

Debra J. Jones  
Notary Public

My Commission Expires: 5/5/2020



Attachment to Danis #1-21 U-1



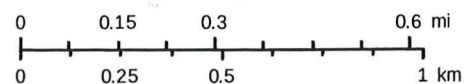
September 29, 17

1:18,056

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

**Affidavit of Notice Served**Re: Application for: Larson Engineering, Inc,Well Name: Danis #1-21Legal Location: 1500' FSL & 997' FEL Sec 21-18S-29W

The undersigned hereby certifies that he / she is a duly authorized agent for the applicant, and that on the day 2nd of October, 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)

J. Gail Stanley

35 W Road 140, Dighton, KS 67839

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OCT 11 2017  
CONSERVATION DIVISION  
WICHITA, KS

I further attest that notice of the filing of this application was published in the Dighton Herald, the official county publication of Lane county. A copy of the affidavit of this publication is attached.

Signed this 2nd day of October, 2017

Thomas Larson  
Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 2nd day of October, 2017



Debra J. Jones  
Notary Public

My Commission Expires: 5/5/2020

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.