

## APPLICATION TO AMEND INJECTION PERMIT

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

- ☐ Salt Water Disposal
- ☐ Repressuring
- ☒ Other Enhanced Recovery

Permit Number: E-32379 3-TB

NW 1/4 Sec. 8 Twp. 18 S. R. 21 ☒ East ☐ West

4292 Feet from ☐ North / ☒ South Section Line

4292 Feet from ☒ East / ☐ West Section Line

Lease: Roberson

Well #: I-1 15-059-26.686-00-00

Franklin County, Kansas

Originally granted to: Unknown

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

Current Operator: License # 35100 Exp. 07/30/18 Contact Person: William Roberson

Company Name: R & D Oil, LLC cc: Lesli Baker  
(As listed on operator license)

Address: 36 Kings Arms Rd. Little Rock, AR 72227

Phone: 501-951-7433

KCC WICHITA

JAN 24 2018

RECEIVED

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

- ☐ A. Change the authorized injection pressure to: \_\_\_\_\_ psi maximum from the current permitted pressure of \_\_\_\_\_ psi.
- ☐ B. Change the authorized injection rate to: \_\_\_\_\_ bbl/day maximum from the current rate of \_\_\_\_\_ 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: ( XXXX ) add the following repressuring wells: I-2 & I-3 ;
- ( \_\_\_\_\_ ) change the injection formation; or ( \_\_\_\_\_ ) change well construction; or ( \_\_\_\_\_ ) other:

Paid \$100.00  
OK 6265  
1/24/18

# Offset Operators, Unleased Mineral Owners and Landowners

Form U-8

(Attach additional sheets if necessary)

Name See Aattached Legal Description of Leasehold \_\_\_\_\_

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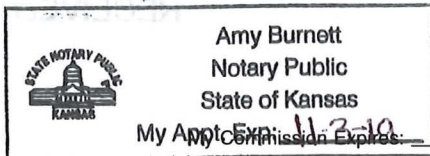
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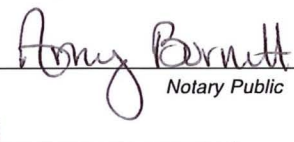
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I hereby certify that the statements made herein are true and correct to the best of my knowledge and belief.

  
Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 22 day of January, 2018.



  
Amy Burnett  
Notary Public

11-3-19

## 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  
November 2011  
Form must be Typed  
Form must be Signed  
All blanks must be Filled

Disposal ☐

Enhanced Recovery: ☐ Repressuring

☒ Waterflood

☐ Tertiary

Date: January 22, 2018

Operator License Number: 35100

Operator: R & D Oil, LLC

Address: 36 Kings Arms Rd.

Little Rock, AR 72227

Contact Person: William Roberson

Phone: 501-951-7433

Email: NA

Permit Number: E-32379

API Number: 15-059-26939-00-01

Well Location

NE - SW - NW - NW Sec. 8 Twp. 18 S. R. 21 ☒ E ☐ W

4292 feet from ☐ N / ☒ S Line of Section

4622 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: NW/4 of the Sec.8 Twp.18S R.21E

Lease Name: Roberson Well Number: I-2

Field Name: Paola-Rantoul

County: Franklin

Deepest Usable Water

Formation: Squirrel

Depth to Bottom of Formation: KCC WICHITA

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

Surface Elevation: feet Well Total Depth: 682 feet Plug Back Depth: feet

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

Injection Formation Description:

Name	top / bottom	perf / open hole	depth
Squirrel	623 / 644	perf.	623 to 644 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. R&D Oil, LLC	Roberson Lease	Sec.8 Twp.18S R.21E	See Attached
2.			
3.			

Producing Formation	Strata Depth	Total Dissolved Solids (if available)
1. Squirrel	to feet	mg/l
2.	to feet	mg/l
3.	to feet	mg/l

Maximum Requested Liquid Injection Rate: 100 bbls / day; or

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

Maximum Requested Injection Pressure: 550 psig

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

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

	Conductor	Surface	Intermediate	Production	Tubing
Size		7		2 7/8	
Setting Depth		21		674	
Amount of Cement		5		104	
Top of Cement		0		0	
Bottom of Cement		21		674	

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: \_\_\_\_\_

**Well Sketch**

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

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

21' 7" 7"  
674' 2 7/8"

T.D. 682

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

(Attach additional sheets if necessary)

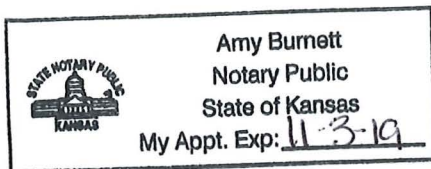
Name:

Legal Description of Leasehold:

See Attached

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 22 day of January, 2018

Notary Public

My Commission Expires:

Amy Burnett  
11-3-19

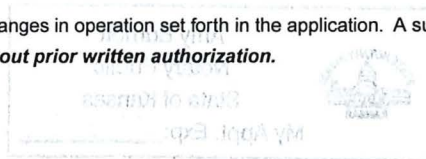
KCC WICHITA

JAN 24 2018

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**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 written authorization.**
9. All application fees must accompany the application.



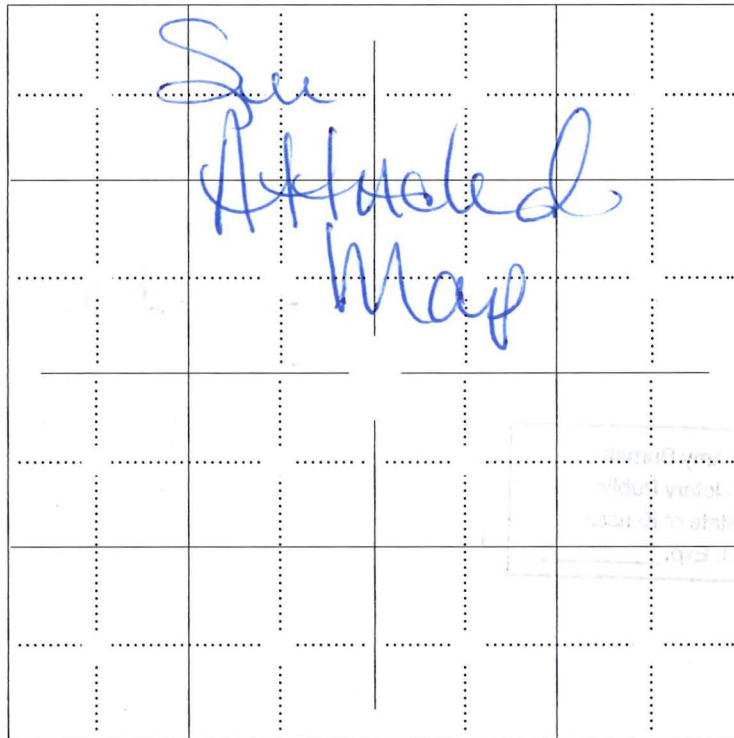


**Plat and Certificate of Injection Well Location and Surrounding Acreages**

Operator: R&D Oil, LLC Location of Well: NW/4 of the Sec.8 Twp.18S R.21E  
 Lease: Roberson Lease 4292 feet from ☐ N / ☒ S Line of Section  
 Well Number: I-2 4622 feet from ☒ E / ☐ W Line of Section  
 County: Franklin Sec. 8 Twp. 18 S. R. 21 ☒ 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.

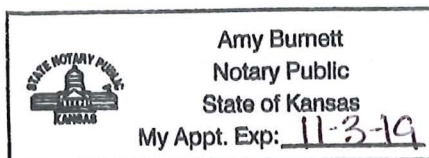


applicant well producing well plugged injection well   
 D & A well other injection well temporary abandoned well   
 plugged producer water supply well

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

Juan Baker  
Applicant or Duly Authorized Agent

Subscribed and sworn before me this 22 day of January, 2018



Amy Burnett  
Notary Public

My Commission Expires: 11-3-19

**Affidavit of Notice Served**

Re: Application for: R & D Oil, LLC  
Well Name: Roberson I-2 Legal Location: NW/4 of the Sec.8 Twp.18S R.21E

The undersigned hereby certifies that he / she is a duly authorized agent for the applicant, and that on the day 22 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)

See Attached

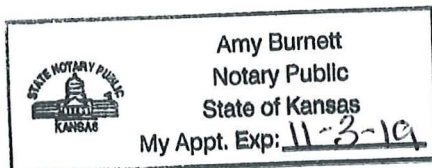
KCC WICHITA  
JAN 24 2018  
RECEIVED

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

Signed this 22 day of January, 2018

[Signature]  
Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 22 day of January, 2018



[Signature]  
Notary Public

My Commission Expires: 11-3-19

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.

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

Form U-1  
November 2011  
**Form must be Typed**  
**Form must be Signed**  
**All blanks must be Filled**

Disposal ☐

Enhanced Recovery: ☐ Repressuring

☒ Waterflood

☐ Tertiary

Date: January 2018

Operator License Number: 35100

Operator: R & D Oil, LLC

Address: 36 Kings Arms Rd.

Little Rock, AR 72227

Contact Person: William Roberson

Phone: 501-951-7433

Email: NA

Permit Number: E-32379

API Number: 15-059-27102-00-01

**Well Location**

SW - NW - NW Sec. 8 Twp. 18 S. R. 21 ☒ E ☐ W

4371 feet from ☐ N / ☒ S Line of Section

4946 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: NW/4 of the Sec.8 Twp.18S R.21E

Lease Name: Roberson Well Number: I-3

Field Name: Paola-Rantoul

County: Franklin

**Deepest Usable Water**

Formation: Squirrel

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

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

Surface Elevation: \_\_\_\_\_ feet Well Total Depth: 690 feet Plug Back Depth: \_\_\_\_\_ feet

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

**Injection Formation Description:**

Name	top / bottom	perf / open hole	depth
<u>Squirrel</u>	<u>632</u> / <u>644</u>	<u>perf.</u> at <u>632</u> to <u>644</u>	<u>feet</u>
_____	_____ / _____	_____ at _____ to _____	<u>feet</u>

**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. <u>R&amp;D Oil, LLC</u>	<u>Roberson Lease</u>	<u>Sec.8 Twp.18S R.21E</u>	<u>See Attached</u>
2. _____	_____	_____	_____
3. _____	_____	_____	_____

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

Maximum Requested Liquid Injection Rate: 100 bbls / day; or

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

Maximum Requested Injection Pressure: 550 psig

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

**KCC WICHITA**  
**JAN 24 2018**  
**RECEIVED**



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

	Conductor	Surface	Intermediate	Production	Tubing
Size		7		2 7/8	
Setting Depth		22		670	
Amount of Cement		5		100	
Top of Cement		0		0	
Bottom of Cement		22		670	

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: \_\_\_\_\_

**Well Sketch**

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

22' 7"

670' 2 7/8"

T.D. 690'

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

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

(Attach additional sheets if necessary)

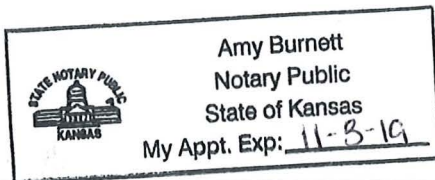
Name:

Legal Description of Leasehold:

See Attached

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 22 day of January, 2018

Notary Public

My Commission Expires:

Amy Burnett

11-3-19

KCC WICHITA

JAN 24 2018

RECEIVED

**Instructions:**

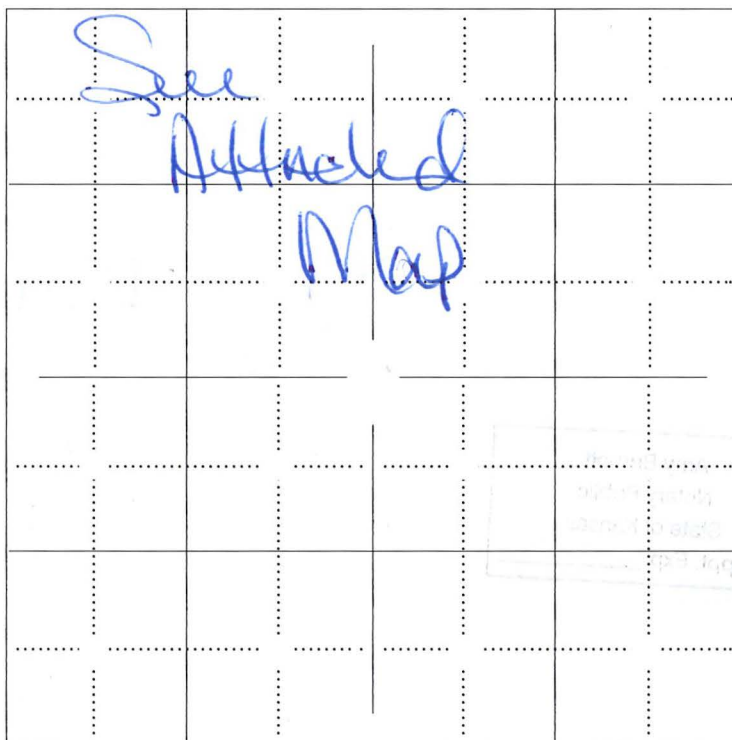
1. Fully complete application, including page 4 (*plat map*) showing subject well and all known oil, gas and input wells, including wells being drilled, inactive wells, or dry holes, within one-half mile. Show lease names and operators or unleased mineral rights owners of all lands within one-half mile. 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: R&D Oil, LLC Location of Well: NW/4 of the Sec.8 Twp.18S R.21E  
 Lease: Roberson Lease 4371 feet from ☐ N / ☒ S Line of Section  
 Well Number: I-3 4946 feet from ☒ E / ☐ W Line of Section  
 County: Franklin Sec. 8 Twp. 18 S. R. 21 ☒ 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.



applicant well

producing well

plugged injection well

D &amp; A well

other injection well

temporary abandoned well

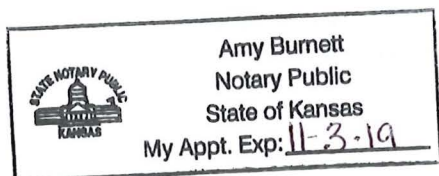
plugged producer

water supply well

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

Jenni Baker  
Applicant or Duly Authorized Agent

Subscribed and sworn before me this 22 day of January, 2018



Amy Burnett  
Notary Public

My Commission Expires: 11-3-19

**Affidavit of Notice Served**

Re: Application for: R & D Oil, LLC  
Well Name: Roberson I-3 Legal Location: NW/4 of the Sec.8 Twp.18S R.21E

The undersigned hereby certifies that he / she is a duly authorized agent for the applicant, and that on the day 22 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)

See Attached

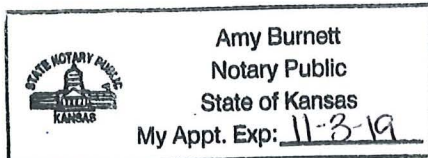
KCC WICHITA  
JAN 24 2018  
RECEIVED

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

Signed this 22 day of January, 2018

Jessie Baker  
Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 22 day of January, 2018



Amy Burnett  
Notary Public  
My Commission Expires: 11-3-19

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.

Well Inventory According to the KCC  
R & D Oil, LLC

Lease Name	Well	API Number	Year Drilled	Year Assume	Depth	County	Sec	Twp	Rge	Dir	Q4	Q3	Q2	Q1	Feet N-S	N-S	Feet E-W	E-W	Well Type	Well Status	Oil Lease (	Gas Lease (	Latitude	Longitude	Datum
ROBERSON	1	15-059-26638-0000	2014		780	Franklin	8	18	21	E	SE	SE	NW	NW	4126 S		4126 E		OIL	PR					
ROBERSON	2	15-059-27031-0000	2015		682	Franklin	8	18	21	E	NE	SE	NW	NW	4458 S		4126 E		OIL	PR					
ROBERSON	3	15-059-27103-0000	2016		682	Franklin	8	18	21	E	SW	SE	NW	NW	4126 S		4456 E		OIL	PR					
ROBERSON	4	15-059-27104-0000	2016		682	Franklin	8	18	21	E	NW	SE	NW	NW	4456 S		4456 E		OIL	PR					
ROBERSON	5	15-059-27032-0000	2015		682	Franklin	8	18	21	E	SE	SW	NW	NW	4126 S		4785 E		OIL	PR					
ROBERSON	6	15-059-27105-0000	2016		691	Franklin	8	18	21	E	NE	SW	NW	NW	4456 S		4786 E		OIL	PR					
ROBERSON	7	15-059-26639-0000	2014		704	Franklin	8	18	21	E	SW	SW	NW	NW	4126 S		5115 E		OIL	PR	145369				
ROBERSON	8	15-059-27106-0000	2016		690	Franklin	8	18	21	E	NW	SW	NW	NW	4456 S		5116 E		OIL	PR					

KCC WICHITA  
JAN 24 2018  
RECEIVED



Roberson Lease

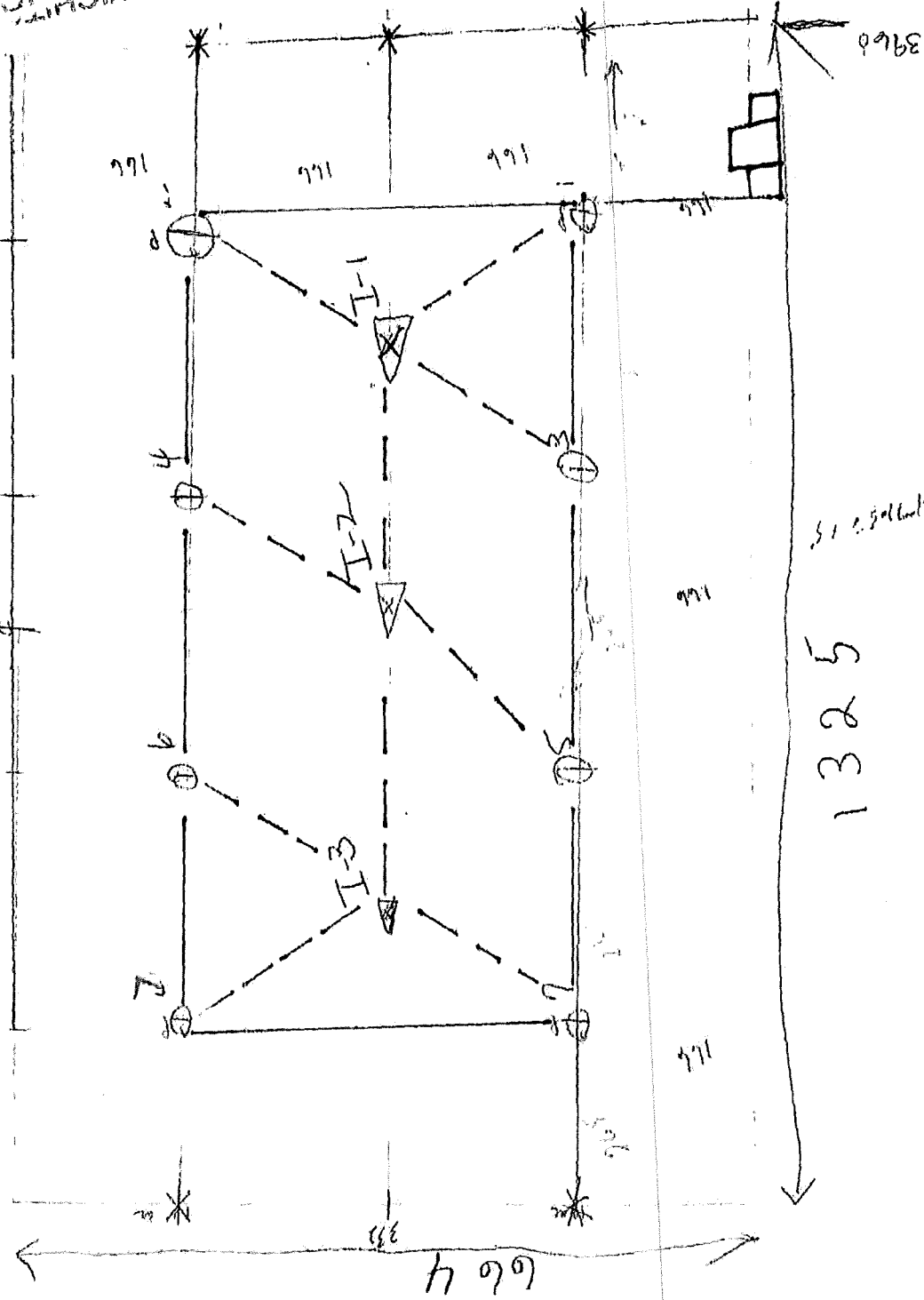
993

496.5

496.6

KCC WICHITA  
JAN 24 2018  
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S-N



1888-1470-15

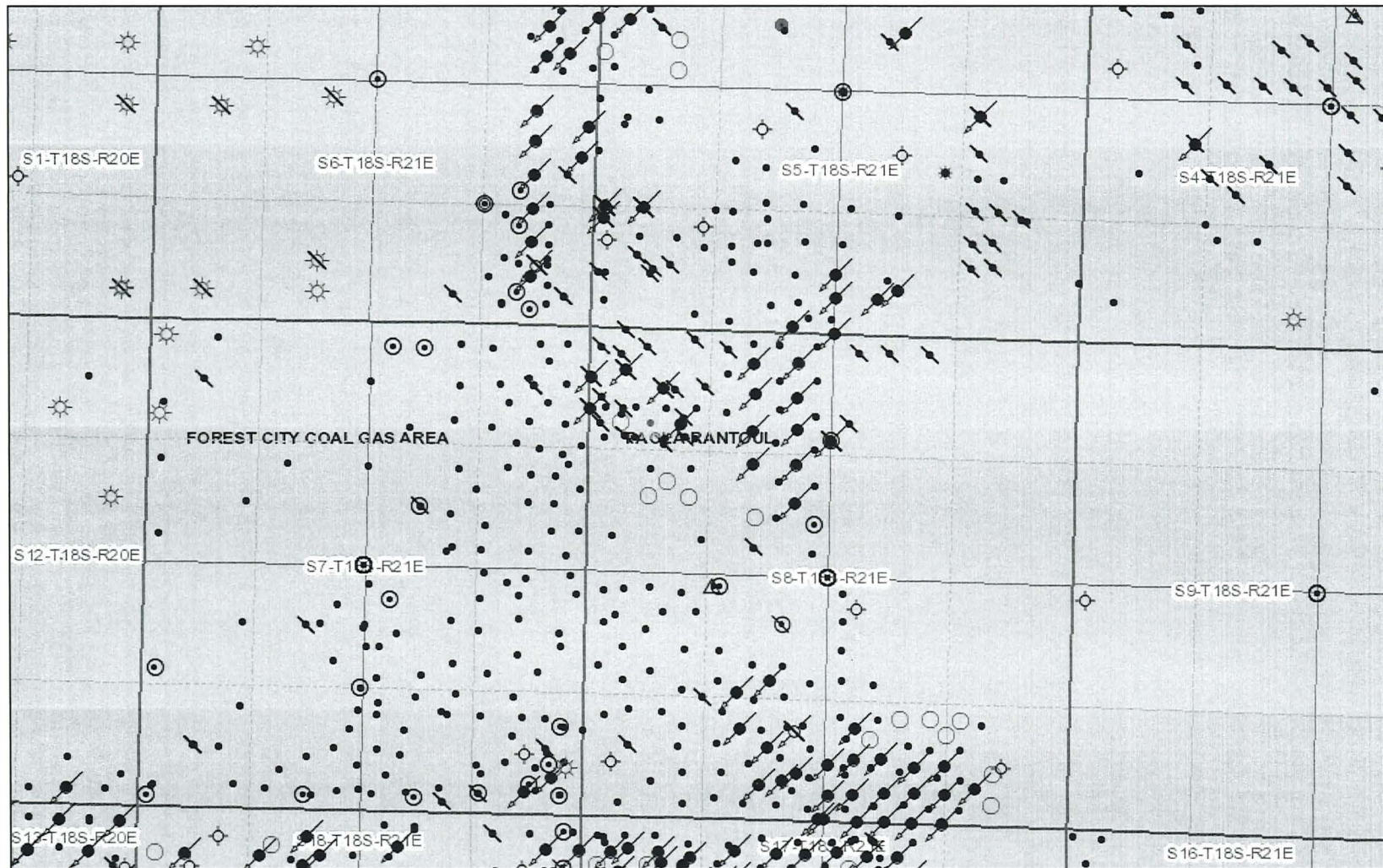
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991

991

664

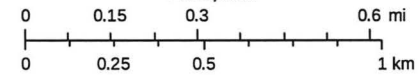
# Roberson Lease



January 4, 18

BG-5  
Haas Petrokem  
Cutler Oil

1:18,056



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey

Kansas Geological Survey  
<http://maps.kgs.ku.edu/oilgas>

KCC Wichita  
JAN 24 2018  
RECEIVED



PartyName	Address1	City	State	ZIP
CLANCY, BILLY C & ANGELA M	4479 HAMILTON TER	RANTOUL	KS	66079-9080
KUCKELMAN, CLAIR H & CAROL J	608 EDGEMERE DR	OLATHE	KS	66061-4227
KUCKELMAN, CLAIRE H & CAROL J	608 EDGEMERE DR	OLATHE	KS	66061-4227
KUCKELMAN, CLAIR H & CAROL J	608 EDGEMERE DR	OLATHE	KS	66061-4227
KLEITZ, LARRIE L TRUST	4596 HAMILTON RD	RANTOUL	KS	66079-9085
LEGG, JAMES H	1693 VERMONT RD	RANTOUL	KS	66079-9010
BROWN, JASON L & SARA L MARTIN-	4530 HAMILTON RD	RANTOUL	KS	66079-9085
SCHWEIGER, JOSEPH M	4540 HAMILTON RD	RANTOUL	KS	66079-9085
LEACH, JACOB & COCKBURN, TRISHA	1661 VERMONT RD	RANTOUL	KS	66079-9010
ROSENDAHL, NASH	33425 W 355 ST	OSAWATOMIE	KS	66064-4202
BROWN, HAROLD R JR & LISSA JOHNSTON, NORMAN L & DARCY	4541 JOHN BROWN RD	RANTOUL	KS	66079-9094
HOSKINS, ANGELA & PATRICK	1621 VERMONT RD	RANTOUL	KS	66079-9010
FLEMING, ALLAN R & ADELA L	4529 JOHN BROWN RD	RANTOUL	KS	66079-9094
BUIE, KAY L & JEANNIE D & DEES, DAVID	4504 JOHN BROWN RD	RANTOUL	KS	66079-9094
KATZER, JEANNINE A	34801 STANTON RD	OSAWATOMIE	KS	66064-7106
KATZER, JEANNINE A	34801 STANTON RD	OSAWATOMIE	KS	66064-7106
SAVAGE, JUDITH A TRUST	4442 HAMILTON TER	RANTOUL	KS	66079-9080
CLANCY, BILLY C & ANGELA M	4479 HAMILTON TER	RANTOUL	KS	66079-9080
RODRIGUEZ, SAUL PINEDA & PINTO, MARIA V GOMEZ	3510 N 9 ST	CARTER LAKE	IA	51510-1376
RODRIGUEZ, SAUL PINEDA & PINTO, MARIA V GOMEZ	3510 N 9 ST	CARTER LAKE	IA	51510-1376
ALEXANDER, ROGER & LINDA	15578 S BLACKFEATHER ST	OLATHE	KS	66062-3681
FRANCIS, DWIGHT D & SHERRY L	1139 W 4 ST	OSAWATOMIE	KS	66064-1216
ROACH, ROBERT F TRUST	1734 VERMONT RD	RANTOUL	KS	66079-8501
ROACH, ROBERT F TRUST	1734 VERMONT RD	RANTOUL	KS	66079-8501
ROACH, ROBERT F	13950 W 72 ST	SHAWNEE	KS	66216-3752
HOBBS, JUSTIN D & KALEIGH	1706 VERMONT RD	RANTOUL	KS	66079-8501
BICKERSTAFF, OLIVE M TRUST	1765 JACKSON RD	OTTAWA	KS	66067-8903
MULL, MONA R & JEFF L	PO BOX 178	RANTOUL	KS	66079-0178
ROBERTS, JAMES V & LYDIA D	1652 VERMONT RD	RANTOUL	KS	66079-9010
JAMES, JOHN R & LYNNE A	16355 W BRIARWOOD CT	OLATHE	KS	66062-4517
ORSER, CARL E	10408 CODY ST	OVERLAND PARK	KS	66214-2631
R & D OIL LLC	36 KINGS ARMS RD	LITTLE ROCK	AR	72227-2120
R & D OIL LLC	36 KINGS ARMS RD	LITTLE ROCK	AR	72227-2120

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GROSHONG, TERRY D & ALANA L  
GROSHONG, TERRY D & ALANA L  
WADDLE, GEORGE B  
WRIGHT, TAMMY M & DERYAN N  
MADDEN, RANDY L & TERRI A  
MILLER, BRYAN & JOY TRUST  
WILLIAMS, KATHERINE R  
MADDEN, RANDY L & TERRI A  
WADDELL, PAUL & MARY  
SAUNDERS, PAMELA KRISTINE  
OBERG, HARVEY L & COLE A  
MADDEN, JESSE & SHANNA

PO BOX 13061	SHAWNEE MISSION	KS	66282-3061
PO BOX 13061	SHAWNEE MISSION	KS	66282-3061
4303 JOHN BROWN RD	RANTOUL	KS	66079-9092
4246 JOHN BROWN RD	RANTOUL	KS	66079-9091
4380 JOHN BROWN RD	RANTOUL	KS	66079-9092
1526 VERMONT RD	RANTOUL	KS	66079-9009
4414 JOHN BROWN RD	RANTOUL	KS	66079-9093
4380 JOHN BROWN RD	RANTOUL	KS	66079-9092
1606 VERMONT RD	RANTOUL	KS	66079-9010
1640 VERMONT RD	RANTOUL	KS	66079-1640
4473 JOHN BROWN RD	RANTOUL	KS	66079-9093
4446 JOHN BROWN RD	RANTOUL	KS	66079-9093



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Confidentiality Requested:

☐ Yes ☒ NoKANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

November 2016

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASEOPERATOR: License # 35100Name: R & D Oil, LLCAddress 1: 36 KINGS ARMS RD

Address 2: \_\_\_\_\_

City: LITTLE ROCK State: AR Zip: 72227 + \_\_\_\_\_Contact Person: Denney GillettPhone: (501) 951-7433CONTRACTOR: License # 34223Name: Utah Oil LLCWellsite Geologist: NA

Purchaser: \_\_\_\_\_

Designate Type of Completion:

☐ New Well ☐ Re-Entry ☒ Workover☐ Oil ☐ WSW ☐ SWD☐ Gas ☐ DH ☒ EOR☐ OG ☐ GSW☐ CM (Coal Bed Methane)☐ Cathodic ☐ Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: R&D Oil, LLCWell Name: Roberson I-2Original Comp. Date: 3/10/2015 Original Total Depth: 682☐ Deepening ☐ Re-perf. ☒ Conv. to EOR ☐ Conv. to SWD☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer☐ Commingled Permit #: \_\_\_\_\_☐ Dual Completion Permit #: \_\_\_\_\_☐ SWD Permit #: \_\_\_\_\_☐ EOR Permit #: \_\_\_\_\_☐ GSW Permit #: \_\_\_\_\_1/8/2018 1/8/2018Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion DateAPI No.: 15-059-26939-00-01

Spot Description: \_\_\_\_\_

NE - SW-NW-NW Sec. 8 Twp. 18 S. R. 21 ☒ East ☐ West4292 Feet from ☐ North / ☒ South Line of Section4622 Feet from ☒ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☒ SE ☐ SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_

(e.g. xx.xxxxx)

(e.g. -xxx.xxxxx)

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84County: FranklinLease Name: ROBERSON Well #: I-2

Field Name: \_\_\_\_\_

Producing Formation: SquirrelElevation: Ground: 1020 Kelly Bushing: 0Total Vertical Depth: 682 Plug Back Total Depth: \_\_\_\_\_Amount of Surface Pipe Set and Cemented at: 21 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

## Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_ ☐ East ☐ West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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## AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

## KCC Office Use ONLY

☐ Confidentiality Requested

Date: \_\_\_\_\_

☐ Confidential Release Date: \_\_\_\_\_☐ Wireline Log Received ☐ Drill Stem Tests Received☐ Geologist Report / Mud Logs Received☒ UIC DistributionALT ☐ I ☒ II ☐ III Approved by: Karen Ritter Date: 01/08/2018

Operator Name: R & D Oil, LLC Lease Name: ROBERSON Well #: I-2  
 Sec. 8 Twp. 18 S. R. 21 ☒ East ☐ West County: Franklin

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <div style="display: flex; justify-content: space-between;"> <div>Name NA</div> <div>Top NA</div> <div>Datum NA</div> </div>
---	---

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	9.875	7	10	21	Portland	5	50/50 POZ
Production	5.875	2.875	8	674	Portland	104	50/50 POZ

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☒ No *(If No, skip questions 2 and 3)*  
 2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*  
 3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/ Injection:		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom <div style="display: flex; justify-content: space-between;"> <span>623</span> <span>644</span> </div>
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>
	623	644			

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	R & D Oil, LLC
Well Name	ROBERSON I-2
Doc ID	1378579

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	9.875	7	10	21	Portland	5	50/50 POZ
Production	5.875	2.875	8	674	Portland	104	50/50 POZ

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SPUD DATE: 10 March 2015  
 FINISH DATE: 12 March 2015  
 LEASE: Robertson  
 LEASE OPERATOR: Denny Gillette  
 WELL: 1-2  
 API: 15-059-26939  
 SEC: TWP: RNG:  
 COUNTY: Franklin  
 DRILLERS NAME: Ronnie Howard  
 RIG #: 1



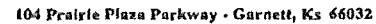
2394 UTAH ROAD  
 RANTOUL, KS 66079

SURFACE: SIZE BIT 97/8 LENGTH 20'6" SIZE 17" CEMENT 5 Bags  
 DRILL BIT SIZE 57/8 LENGTH 673.80 SIZE 27/8 BAFFLE N/A  
 TD 682 CORED N/A

FORMATIONS	THICKNESS	FROM	TO	FORMATION	THICKNESS	FROM	TO
Soil	3	0	3	Lime	6	456	462
Lime	14	3	17	Shale	24	462	476
Shale	27	17	44	Lime	4	486	490
Lime	18	44	62	Shale	12	490	502
Shale	12	62	74	Lime	6	502	508
Lime	1	74	75	Shale	48	508	556
Shale	2	75	77	Coal	4	556	560
Lime	1	77	78	Lime	5	560	565
Shale	76	78	154	Shale	3	565	568
Lime	18	154	172	Lime	2	568	570
Shale	18	172	190	Shale	11	570	581
Lime	2	190	192	Lime	3	581	584
Shale	2	192	194	Shale/Coal	10	584	594
Lime	3	194	197	Lime	4	594	598
Shale	36	197	233	Shale	13	598	611
Lime	7	233	240	Lime/coal Smelly	3	611	614
Shale	1	240	241	Limey Sand (80% Bleed)	3	614	617
Lime	9	241	250	Lime	1	617	618
Shale	2	250	252	Shale	4	618	622
Lime	4	252	256	Broken 10% great Bleed	4	622	626
Shale	10	256	266	oil Sand great Bleed	4	626	630
Lime	10	266	276	oil Sand great Bleed	4	630	634
Shale	2	276	278	Broken 10% 80% Bleed	4	634	638
Lime	10	278	288	Shale TD	44	638	682
Shale	8	288	296				
Lime	23	296	319				
Coal	3	319	322				
Lime	4	322	326				
Shale	2	326	328				
Lime KCB	7	328	335				
Shale	115	335	450				

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Hurricane Services appreciates any Comments, Concerns or Criticisms from our valuable customers as Safety and Customer Satisfaction are our Number 1 goal. All Comments are confidential and will be used in a constructive manner to improve our Safety and Job Performance.

Confidentiality Requested:

☐ Yes ☒ NoKANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

November 2016

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 35100  
 Name: R & D Oil, LLC  
 Address 1: 36 KINGS ARMS RD  
 Address 2: \_\_\_\_\_  
 City: LITTLE ROCK State: AR Zip: 72227 + \_\_\_\_\_  
 Contact Person: Denney Gillett  
 Phone: (501) 951-7433  
 CONTRACTOR: License # 34223  
 Name: Utah Oil LLC  
 Wellsite Geologist: NA  
 Purchaser: \_\_\_\_\_

Designate Type of Completion:

☐ New Well ☐ Re-Entry ☒ Workover☐ Oil ☐ WSW ☐ SWD☐ Gas ☐ DH ☒ EOR☐ OG ☐ GSW☐ CM (Coal Bed Methane)☐ Cathodic ☐ Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: R&D OIL LLCWell Name: Roberson I-3Original Comp. Date: 4/15/2016 Original Total Depth: 690
☐ Deepening ☐ Re-perf. ☒ Conv. to EOR ☐ Conv. to SWD  
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer
☐ Commingled Permit #: \_\_\_\_\_☐ Dual Completion Permit #: \_\_\_\_\_☐ SWD Permit #: \_\_\_\_\_☐ EOR Permit #: \_\_\_\_\_☐ GSW Permit #: \_\_\_\_\_1/8/2018 1/8/2018Spud Date or  
Recompletion Date

Date Reached TD

Completion Date or  
Recompletion DateAPI No.: 15-059-27102-00-01

Spot Description: \_\_\_\_\_

- SW-NW-NW Sec. 8 Twp. 18 S. R. 21 ☒ East ☐ West4371 Feet from ☐ North / ☒ South Line of Section4946 Feet from ☒ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☒ SE ☐ SWGPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84County: FranklinLease Name: ROBERSON Well #: I-3

Field Name: \_\_\_\_\_

Producing Formation: SquirrelElevation: Ground: 1026 Kelly Bushing: 0Total Vertical Depth: 690 Plug Back Total Depth: \_\_\_\_\_Amount of Surface Pipe Set and Cemented at: 22 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

## Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_ ☐ East ☐ West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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JAN 24 2018  
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## AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

## KCC Office Use ONLY

☐ Confidentiality Requested

Date: \_\_\_\_\_

☐ Confidential Release Date: \_\_\_\_\_☐ Wireline Log Received ☐ Drill Stem Tests Received☐ Geologist Report / Mud Logs Received☒ UIC DistributionALT ☐ I ☒ II ☐ III Approved by: Karen Ritter Date: 01/10/2018

Operator Name: R & D Oil, LLC Lease Name: ROBERSON Well #: I-3  
 Sec. 8 Twp. 18 S. R. 21 ☒ East ☐ West County: Franklin

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets)  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name <u>GammaRay</u> Top <u>20</u> Datum <u>GL</u>
--	---

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	9	7	10	22	Portland	5	60/40 POZ
Production	5.625	2.875	8	670	Portland	100	60/40 POZ

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☒ No (If No, skip questions 2 and 3)
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No (If No, skip question 3)
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No (If No, fill out Page Three of the ACO-1)

Date of first Production/Injection or Resumed Production/Injection:		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4)	PRODUCTION INTERVAL: Top <u>632</u> Bottom <u>644</u>
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record (Amount and Kind of Material Used)
	632	644			

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	R & D Oil, LLC
Well Name	ROBERSON I-3
Doc ID	1378984

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	9	7	10	22	Portland	5	60/40 POZ
Production	5.625	2.875	8	670	Portland	100	60/40 POZ

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JAN 24 2018  
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DATE: 4/13/16  
 FINISH DATE:  
 LEASE: Robertson  
 LEASE OPERATOR: R&D Oil  
 WELL: T-3  
 API: 15-059-27102  
 SEC: 8 TWP: 18 RNG: 21 E  
 COUNTY:  
 DRILLERS NAME: Brad Leach  
 RIG #:



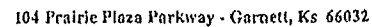
2394 UTAH ROAD  
 RANTOUL, KS 66079

SURFACE: SIZE BIT 9 7/8 LENGTH 224 SIZE 7" CEMENT 5 bags  
 DRILL BIT SIZE 5 7/8 LENGTH 620 SIZE \_\_\_\_\_ BAFFLE \_\_\_\_\_  
 TD 690 CORED \_\_\_\_\_

FORMATIONS	THICKNESS	FROM	TO	FORMATION	THICKNESS	FROM	TO
Soil		0	4'	Shale Black		590	601
lime		4'	24'	lime		601	606
shale		24	50	shale		606	614
lime		50	71	lime		614	619
shale		71	74	Sandy lime bleeding		619	622
sand		74	89	lime		622	625
shale		89	141	white shale		625	627.5
lime		141	180	Broken sand bleed		627.5	630
shale		180	201	Sand Heavy Bleed		630	634
lime		201	204	90% Sand Heavy Bleed		634	638
shale		204	249	70% sand good bed		638	641
lime		249	264	shale		641	642
shale		264	273	shale		642	690
lime		273	286				
Blk shale		286	290	TD 690			
lime		290	301				
shale		301	310				
lime		310	331				
coal		331	335				
North lime		335	349				
shale		349	493				
lime		493	499				
shale		499	509				
lime		509	527				
limy shale		527	533				
Sandy shale		533	542				
white sand		542	551				
shale		551	569				
lime		569	577				
shale		577	586				
lime		586	590				

KGC WICHITA  
 JAN 24 2018  
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Humano Services appreciates any Comments, Concerns or Criticisms from our valuable customers as Safety and Customer Satisfaction are our Number 1 goal. All Comments are confidential and will be used in a constructive manner to improve our Safety and Job Performance.