

OWWO (Deepening)

For KCC Use: 9-27-2011  
Effective Date: 2  
District #: 2  
SGA?  Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form C-1  
March 2010

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

**NOTICE OF INTENT TO DRILL**

*Must be approved by KCC five (5) days prior to commencing well*  
*Form KSONA-1, Certification of Compliance with the Kansas Surface Owner Notification Act, MUST be submitted with this form.*

Expected Spud Date: Sept 7 2011  
month day year

Spot Description: API# 15-113-20991  
NE - NW - SW - Sec. 6 Twp. 18 S. R. 3  E  W  
(N/S/E/W) 2,210 feet from  N /  S Line of Section  
4,290 feet from  E /  W Line of Section

OPERATOR: License# 32062  
Name: ARDC Inc  
Address 1: 108 W 34th  
Address 2:  
City: Hays State: KS Zip: 67601 +  
Contact Person: Greg Whitehair  
Phone: 785-625-6588

Is SECTION:  Regular  Irregular?

(Note: Locate well on the Section Plat on reverse side)

County: McPherson  
Lease Name: Landgren Well #: B2  
Field Name: Lindsborg

CONTRACTOR: License# 7023  
Name: Klima Well Service

Is this a Prorated / Spaced Field?  Yes  No

Target Formation(s): Arbuckle

Well Drilled For:  Oil  Gas  Seismic  Other:  
Well Class:  Enh Rec  Infield  Pool Ext.  Wildcat  Other  
Type Equipment:  Mud Rotary  Air Rotary  Cable

Nearest Lease or unit boundary line (in footage): 330'

Ground Surface Elevation: 1373 feet MSL

Water well within one-quarter mile:  Yes  No  
Public water supply well within one mile:  Yes  No

Depth to bottom of fresh water: 290'

Depth to bottom of usable water: 290'

Surface Pipe by Alternate:  I  II

Length of Surface Pipe Planned to be set: 442

Length of Conductor Pipe (if any): 227

Projected Total Depth: 3650

Formation at Total Depth: Arbuckle

Water Source for Drilling Operations:

Well  Farm Pond  Other: Lease

DWR Permit #:

(Note: Apply for Permit with DWR

Will Cores be taken?  Yes  No

If Yes, proposed zone:

→  If OWWO: old well information as follows: (Deepen)

Operator: ARDC Inc  
Well Name: Landgren B2  
Original Completion Date: 5/28/82 Original Total Depth: 3590

Directional, Deviated or Horizontal wellbore?  Yes  No

If Yes, true vertical depth:

Bottom Hole Location:

KCC DKT #:

**AFFIDAVIT**

The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55 et. seq.

It is agreed that the following minimum requirements will be met:

1. Notify the appropriate district office **prior** to spudding of well;
2. A copy of the approved notice of intent to drill **shall be** posted on each drilling rig;
3. The minimum amount of surface pipe as specified below **shall be set** by circulating cement to the top; in all cases surface pipe **shall be set** through all unconsolidated materials plus a minimum of 20 feet into the underlying formation.
4. If the well is dry hole, an agreement between the operator and the district office on plug length and placement is necessary **prior to plugging**;
5. The appropriate district office will be notified before well is either plugged or production casing is cemented in;
6. If an ALTERNATE II COMPLETION, production pipe shall be cemented from below any usable water to surface within **120 DAYS** of spud date. Or pursuant to Appendix "B" - Eastern Kansas surface casing order #133,891-C, which applies to the KCC District 3 area, alternate II cementing must be completed within 30 days of the spud date or the well shall be plugged. **In all cases, NOTIFY district office** prior to any cementing.

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

Date: 8/30/2011 Signature of Operator or Agent: Greg Whitehair Title: 8/30/2011

For KCC Use ONLY  
API # 15 - 113-20991-00-02  
Conductor pipe required 227 feet  
Minimum surface pipe required 442 feet per ALT.  I  II  
Approved by: KWS 9-22-2011  
This authorization expires: 9-22-2012  
(This authorization void if drilling not started within 12 months of approval date.)  
Spud date: \_\_\_\_\_ Agent: \_\_\_\_\_

**Remember to:**

- File Certification of Compliance with the Kansas Surface Owner Notification Act (KSONA-1) with Intent to Drill;
- File Drill Pit Application (form CDP-1) with Intent to Drill;
- File Completion Form ACO-1 within 120 days of spud date;
- File acreage attribution plat according to field proration orders;
- Notify appropriate district office 48 hours prior to workover or re-entry;
- Submit plugging report (CP-4) after plugging is completed (within 60 days);
- Obtain written approval before disposing or injecting salt water.
- If well will not be drilled or permit has expired (See: authorized expiration date) please check the box below and return to the address below.

Well will not be drilled or Permit Expired Date: \_\_\_\_\_  
Signature of Operator or Agent:

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

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For KCC Use ONLY

API # 15 - 113-20991-00-02

**IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW**

In all cases, please fully complete this side of the form. Include items 1 through 5 at the bottom of this page.

Operator: ARDC Inc  
 Lease: Landgren  
 Well Number: B2  
 Field: Lindsborg

Location of Well: County: McPherson  
 2,210 feet from  N /  S Line of Section  
 4,290 feet from  E /  W Line of Section  
 Sec. 6 Twp. 18 S. R. 3  E  W

Number of Acres attributable to well: \_\_\_\_\_  
 QTR/QTR/QTR/QTR of acreage: NE - NW - SW - \_\_\_\_\_

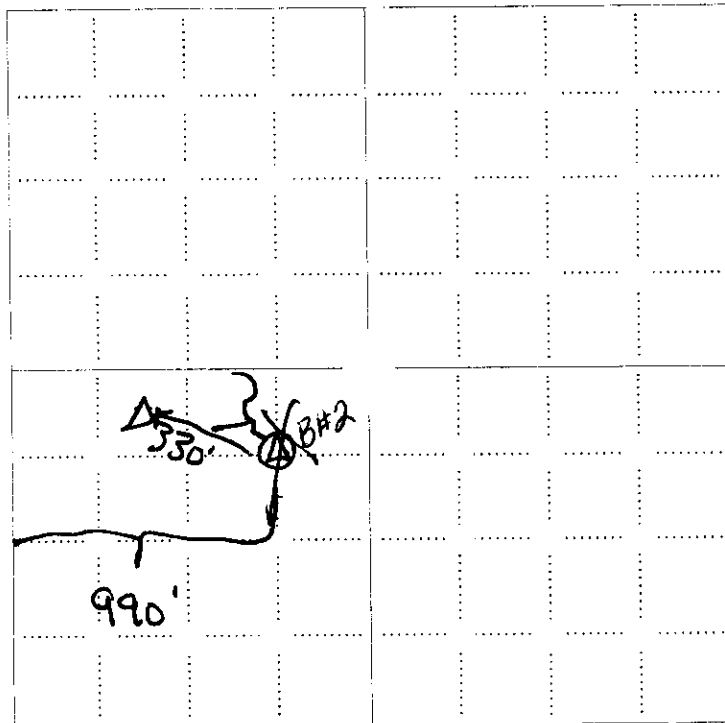
Is Section:  Regular or  Irregular

**If Section is Irregular, locate well from nearest corner boundary.**

Section corner used:  NE  NW  SE  SW

**PLAT**

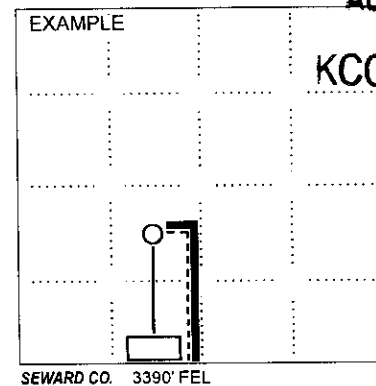
Show location of the well. Show footage to the nearest lease or unit boundary line. Show the predicted locations of lease roads, tank batteries, pipelines and electrical lines, as required by the Kansas Surface Owner Notice Act (House Bill 2032).  
 You may attach a separate plat if desired.



**NOTE: In all cases locate the spot of the proposed drilling location.**

**LEGEND**

- Well Location
- Tank Battery Location
- Pipeline Location
- Electric Line Location
- Lease Road Location



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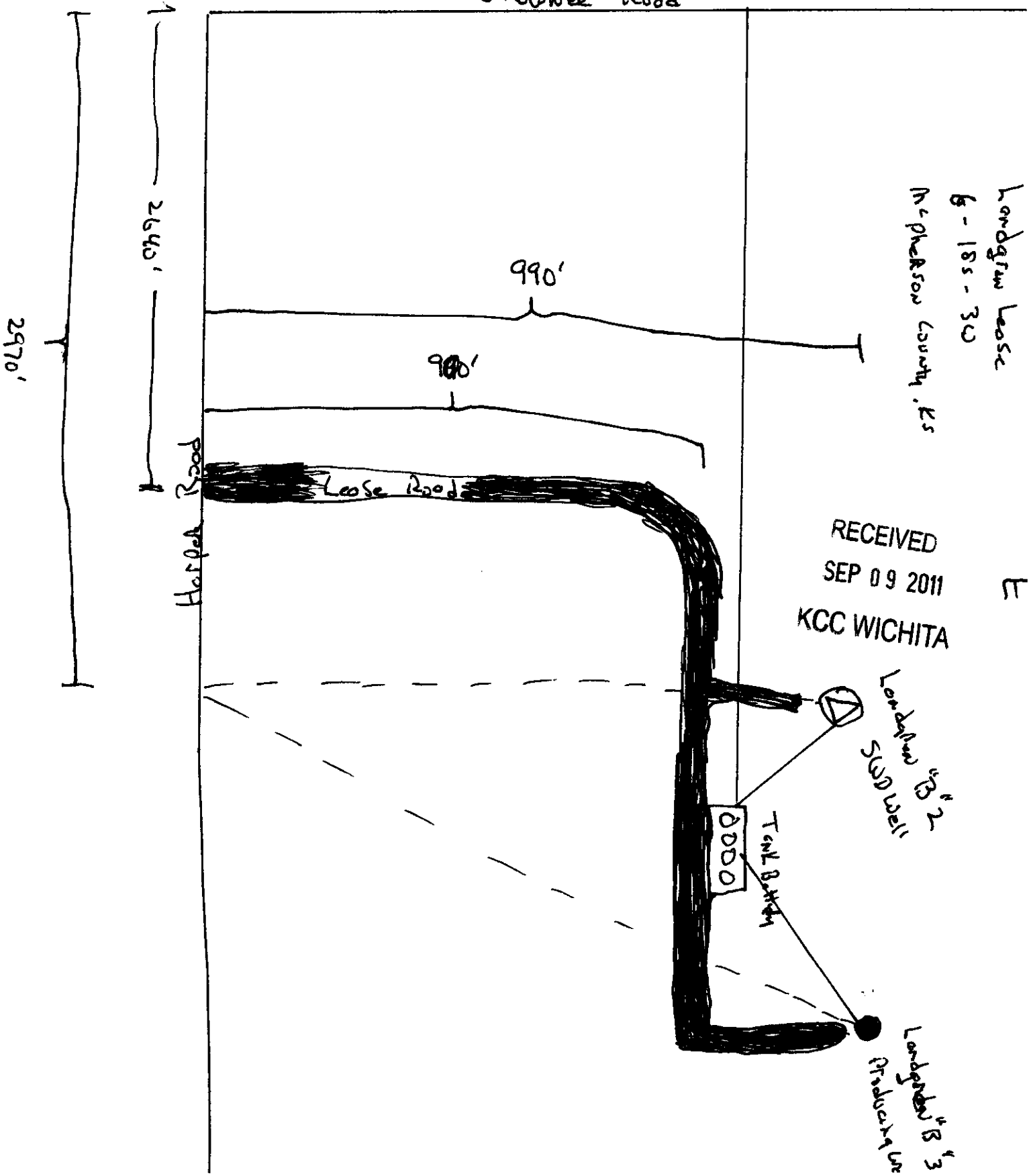
**In plotting the proposed location of the well, you must show:**

1. The manner in which you are using the depicted plat by identifying section lines, i.e. 1 section, 1 section with 8 surrounding sections, 4 sections, etc.
2. The distance of the proposed drilling location from the south / north and east / west outside section lines.
3. The distance to the nearest lease or unit boundary line (in footage).
4. If proposed location is located within a prorated or spaced field a certificate of acreage attribution plat must be attached: (CO-7 for oil wells; CG-8 for gas wells).
5. The predicted locations of lease roads, tank batteries, pipelines, and electrical lines.

N

15-113-20991-0002

Shawnee Road



15-113-20991-00-02

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form KSONA-1

July 2010

Form Must Be Typed

Form must be Signed

All blanks must be Filled

**CERTIFICATION OF COMPLIANCE WITH THE  
KANSAS SURFACE OWNER NOTIFICATION ACT**

*This form must be submitted with all Forms C-1 (Notice of Intent to Drill); CB-1 (Cathodic Protection Borehole Intent); T-1 (Request for Change of Operator Transfer of Injection or Surface Pit Permit); and CP-1 (Well Plugging Application). Any such form submitted without an accompanying Form KSONA-1 will be returned.*

Select the corresponding form being filed:  C-1 (Intent)  CB-1 (Cathodic Protection Borehole Intent)  T-1 (Transfer)  CP-1 (Plugging Application)

OPERATOR: License # 32062  
Name: ARDC Inc  
Address 1: 108 W 34th  
Address 2: \_\_\_\_\_  
City: Hays State: KS Zip: 67601 + \_\_\_\_\_  
Contact Person: Greg Whitehair  
Phone: ( 785 ) 625-6588 Fax: ( 785 ) 625-6588  
Email Address: gjwhitehair@yahoo.com

Well Location:  
NE NW SW Sec. 6 Twp. 18 S. R. 3  East  West  
County: McPherson  
Lease Name: Landgren Well #: B2

*If filing a Form T-1 for multiple wells on a lease, enter the legal description of the lease below:*

**Surface Owner Information:**

Name: Larry & Richard Landgren  
Address 1: 316 West Main Street  
Address 2: \_\_\_\_\_  
City: Council Grove State: KS Zip: 66846 + \_\_\_\_\_

*When filing a Form T-1 involving multiple surface owners, attach an additional sheet listing all of the information to the left for each surface owner. Surface owner information can be found in the records of the register of deeds for the county, and in the real estate property tax records of the county treasurer.*

*If this form is being submitted with a Form C-1 (Intent) or CB-1 (Cathodic Protection Borehole Intent), you must supply the surface owners and the KCC with a plat showing the predicted locations of lease roads, tank batteries, pipelines, and electrical lines. The locations shown on the plat are preliminary non-binding estimates. The locations may be entered on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.*

Select one of the following:

I certify that, pursuant to the Kansas Surface Owner Notice Act (House Bill 2032), I have provided the following to the surface owner(s) of the land upon which the subject well is or will be located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form CP-1 that I am filing in connection with this form; 2) if the form being filed is a Form C-1 or Form CB-1, the plat(s) required by this form; and 3) my operator name, address, phone number, fax, and email address.

I have not provided this information to the surface owner(s). I acknowledge that, because I have not provided this information, the KCC will be required to send this information to the surface owner(s). To mitigate the additional cost of the KCC performing this task, I acknowledge that I am being charged a \$30.00 handling fee, payable to the KCC, which is enclosed with this form.

*If choosing the second option, submit payment of the \$30.00 handling fee with this form. If the fee is not received with this form, the KSONA-1 form and the associated Form C-1, Form CB-1, Form T-1, or Form CP-1 will be returned.*

I hereby certify that the statements made herein are true and correct to the best of my knowledge and belief. *Corrected copy sent 9/7/2011*

Date: 9/7/2011 Signature of Operator or Agent: Greg Whitehair Title: President, ARDC Inc.

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15-113-20991-00-02

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form KSONA-1  
July 2010  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

**CERTIFICATION OF COMPLIANCE WITH THE  
KANSAS SURFACE OWNER NOTIFICATION ACT**

This form must be submitted with all Forms C-1 (Notice of Intent to Drill); CB-1 (Cathodic Protection Borehole Intent); T-1 (Request for Change of Operator Transfer of Injection or Surface Pit Permit); and CP-1 (Well Plugging Application). Any such form submitted without an accompanying Form KSONA-1 will be returned.

Select the corresponding form being filed:  C-1 (Intent)  CB-1 (Cathodic Protection Borehole Intent)  T-1 (Transfer)  CP-1 (Plugging Application)

OPERATOR: License # 32062  
Name: ARDC Inc  
Address 1: 108 W 34th  
Address 2: \_\_\_\_\_  
City: Hays State: KS Zip: 67601 + \_\_\_\_\_  
Contact Person: Greg Whitehair  
Phone: ( 785 ) 625-6588 Fax: ( 785 ) 625-6588  
Email Address: gjwhitehair@yahoo.com

Well Location:  
NE NW SW \_\_\_\_\_ Sec. 6 Twp. 18 S. R. 3  East  West  
County: McPherson  
Lease Name: Landgren Well #: B2

If filing a Form T-1 for multiple wells on a lease, enter the legal description of the lease below:

**Surface Owner Information:**

Name: Larry & Richard Landgren  
Address 1: 316 West Main Street  
Address 2: \_\_\_\_\_  
City: Council Grove State: KS Zip: 66846 + \_\_\_\_\_

When filing a Form T-1 involving multiple surface owners, attach an additional sheet listing all of the information to the left for each surface owner. Surface owner information can be found in the records of the register of deeds for the county, and in the real estate property tax records of the county.

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If this form is being submitted with a Form C-1 (Intent) or CB-1 (Cathodic Protection Borehole Intent), you must supply the surface owners and the KCC with a plat showing the predicted locations of lease roads, tank batteries, pipelines, and electrical lines. The locations shown on the plat are preliminary non-binding estimates. The locations may be entered on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.

**Select one of the following:**

I certify that, pursuant to the Kansas Surface Owner Notice Act (House Bill 2032), I have provided the following to the surface owner(s) of the land upon which the subject well is or will be located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form CP-1 that I am filing in connection with this form; 2) if the form being filed is a Form C-1 or Form CB-1, the plat(s) required by this form; and 3) my operator name, address, phone number, fax, and email address.

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If choosing the second option, submit payment of the \$30.00 handling fee with this form. If the fee is not received with this form, the KSONA form and the associated Form C-1, Form CB-1, Form T-1, or Form CP-1 will be returned.

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

Date: 8/30/2011 Signature of Operator or Agent: Greg Whitehair Title: President

ARDC Inc.  
108 West 34<sup>th</sup>  
Hays, Kansas 67601

15-113-20991-0002

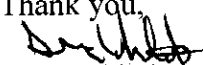
August 30<sup>th</sup>, 2011

Kansas Corporation Commission  
130 South Markets, Room 2078  
Wichita, Kansas

Re: Landgren B # 2, application to change from a producing well to a Saltwater Disposal Well.

KCC:

In the application to change the Landgren B # 2 well from a producing well to a disposal well, the two changes will be made is deepening the well 60' into the Arbuckle formation and we will be cementing in from surface to bottom a 4 1/2" liner. Also, no cement bond log was found for this Landgren B # 2 well, nor was any cement tickets were found.

Thank you,  
  
Greg Whitehair  
ARDC Inc.

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KCC WICHITA

August 31, 2011

Landgren B 2  
Sec. 6-T18S-R3W

15-113-20991-00-02

**NONCOMPLIANCE WITH KANSAS SURFACE OWNERS NOTICE ACT**

The enclosed form(s) is being returned to you due to noncompliance with the Kansas Surface Owner Notification Act. The form cannot be processed due to the following problem(s):

- A Form KSONA-1 was not submitted with each of the enclosed form(s).
- Required information was not entered on the Form KSONA-1.
- If filing a Form C-1, the plat showing the preliminary, nonbinding estimates of locations of tank batteries, lease roads, pipelines, and electrical lines was not submitted with each form.
- The Form KSONA-1 did not indicate whether you have sent the surface owner the required information.

You must resubmit the form, along with a completed Form KSONA-1 and plat map if applicable, in full compliance with the checked items above.

Enclosed is the Map of Certification of Compliance (2<sup>nd</sup>) notice.

Thanks  
Mr. White  
785 432 0789

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KCC WICHITA

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
**APPLICATION FOR SURFACE PIT**

Form CDP-1  
April 2004  
Form must be Typed

Submit in Duplicate

Operator Name: ARDC INC		License Number: 32062	
Operator Address: 108 W 34TH		HAYS KS 67601	
Contact Person: GREG WHITEHAIR		Phone Number: 785-432-0789	
Lease Name & Well No.: LANDGREN B2		Pit Location (QQQQ): NE NW SW Sec. 6 Twp. 18 R. 3 <input type="checkbox"/> East <input checked="" type="checkbox"/> West 2,210 Feet from <input type="checkbox"/> North <input checked="" type="checkbox"/> South Line of Section 4,290 Feet from <input checked="" type="checkbox"/> East <input type="checkbox"/> West Line of Section MCPHERSON County	
Type of Pit: <input type="checkbox"/> Emergency Pit <input type="checkbox"/> Burn Pit <input type="checkbox"/> Settling Pit <input type="checkbox"/> Drilling Pit <input checked="" type="checkbox"/> Workover Pit <input type="checkbox"/> Haul-Off Pit (If WP Supply API No. or Year Drilled) 15-113-20991		Pit is: <input checked="" type="checkbox"/> Proposed <input type="checkbox"/> Existing If Existing, date constructed: _____ Pit capacity: 160 (bbls)	
Is the pit located in a Sensitive Ground Water Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Chloride concentration: _____ mg/l (For Emergency Pits and Settling Pits only)	
Is the bottom below ground level? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Artificial Liner? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Pit dimensions (all but working pits): 22 Length (feet) 10 Width (feet) _____ N/A: Steel Pits Depth from ground level to deepest point: 4 (feet) _____ No Pit			
If the pit is lined give a brief description of the liner material, thickness and installation procedure. <b>10 MIL BLACK PLASTIC, LAID IN BOTTOM OF PIT AND FILLED WITH WATER</b>		Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring. <b>PULL BACK LINER AND CHECK FOR FLUIDS BEHIND LINER</b>	
Distance to nearest water well within one-mile of pit 760 feet    Depth of water well 75 feet		Depth to shallowest fresh water 32 feet. Source of information: <input type="checkbox"/> measured <input type="checkbox"/> well owner <input type="checkbox"/> electric log <input checked="" type="checkbox"/> _____	
<b>Emergency, Settling and Burn Pits ONLY:</b> Producing Formation: _____ Number of producing wells on lease: _____ Barrels of fluid produced daily: _____ Does the slope from the tank battery allow all spilled fluids to flow into the pit? <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Drilling, Workover and Haul-Off Pits ONLY:</b> Type of material utilized in drilling/workover: WATER Number of working pits to be utilized: 1 Abandonment procedure: EMPTY PIT, TEAR LINER & BACK FILL Drill pits must be closed within 365 days of spud date.	
I hereby certify that the above statements are true and correct to the best of my knowledge and belief.  8/1/2011 Date		RECEIVED AUG 31 2011 KCC WICHITA RECEIVED SEP 09 2011 KCC WICHITA RECEIVED AUG 03 2011 KCC WICHITA Signature of Applicant or Agent Greg Whitehair	
<b>KCC OFFICE USE ONLY</b>			
Date Received: 8-3-11		Permit Number: _____ Permit Date: 9-21-11	
		Lease Inspection: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

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

15-113-20991-03-02



Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

**NOTICE TO OPERATORS FILING INTENT TO DRILL  
FOR DISPOSAL OR ENHANCED RECOVERY  
INJECTION WELLS, (CLASS II INJECTION WELL)**

The attached approved Notice of Intent to Drill indicates the proposed well is to be used for injection. An approved "Intent to Drill" does not approve injection authority as a Class II Injection Well in Kansas.

Before any well is used for injection purposes, the operator must file an application for injection authority in accordance with K.A.R. 82-3-401 and provide notice in accordance with K.A.R. 82-3-402. The Conservation Division must issue a written permit granting the application before commencement of injection.

The Conservation Division requirements and restrictions associated with Class II Injection are identified in **K.A.R. 82-3-400 et seq** of our regulations. Associated regulations governing drilling, completion and injection applications may be found in K.A.R. 82-3-135, Table I, Table II, in the Cedar Hills Sandstone Moratorium, (Docket #156,397-C), and the Eastern Kansas Surface Casing Order, (Docket #133,891-C).

If you have questions regarding the approval of injection authority, an injection application may be filed as a "Design Approval" before actual drilling and completion of the well occurs. If you have any questions or concerns regarding Class II injection wells or regulations, call the Underground Injection Control Department at 316-337-6200.

Failure to obtain commission approval before beginning injection is punishable by a penalty, shut-in of the well or both.

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 207B  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

September 21, 2011

ARDC, Inc.  
108 W 34<sup>th</sup>  
Hays, KS 67601

Re: Drilling Pit Application  
Landgren Lease Well No. B 2  
SW/4 Sec. 06-18S-03W  
McPherson County, Kansas

Dear Sir or Madam:

District staff has inspected the above referenced location and has determined that the reserve pit shall be constructed without slots, the bottom shall be flat and reasonably level, and all pits the free fluids must be removed. The fluids are to be removed from the reserve pit within 1 week after drilling operations have ceased.

If production casing is set all completion fluids shall be removed from the working pits daily. NO completion fluids or non-exempt wastes shall be placed in the reserve pit.

The fluids should be taken to an authorized disposal well. Please call the District Office at (316) 630-4000 when the fluids have been removed. Please file form CDP-5 (August 2004), Exploration and Production Waste Transfer, within 30 days of fluid removal. Conservation division forms are available through our office and on the KCC web site:  
[www.kcc.state.ks.us/conservation/forms](http://www.kcc.state.ks.us/conservation/forms).

A copy of this letter should be posted in the doghouse along with the approved Intent to Drill. If you have any questions or concerns please feel free to contact the undersigned at the above address.

Sincerely,

Kathy Haynes  
Environmental Protection and Remediation Department

cc: File