

For KCC Use: 12-8-2010
Effective Date: 3
District #: 3
SGA? ☐ Yes ☒ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
NOTICE OF INTENT TO DRILL

CORRECTED
CORRECTED

Form C-1
March 2010
Form must be Typed
Form must be Signed
All blanks must be Filled

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: 12/8/2010 4/4/2011
month day year

OPERATOR: License# 33365 ✓
Name: Layne Energy Operating, LLC
Address 1: 1900 Shawnee Mission Parkway
Address 2: _____
City: Mission Woods State: KS Zip: 66205 + 2001
Contact Person: Victor H. Dyal
Phone: 913-748-9955 3955

CONTRACTOR: License# 33606 ✓
Name: Thornton Air Rotary, LLC

Well Drilled For: ☒ Oil ☐ Gas ☐ Enh Rec ☐ Storage ☐ Disposal
Seismic: _____ # of Holes _____
Other: _____

Well Class: ☐ Infield ☒ Pool Ext. ☐ Wildcat ☐ Other

Type Equipment: ☐ Mud Rotary ☒ Air Rotary ☐ Cable

☐ If OWWO: old well information as follows:

Operator: _____
Well Name: _____
Original Completion Date: _____ Original Total Depth: _____

Directional, Deviated or Horizontal wellbore? ☐ Yes ☒ No
If Yes, true vertical depth: _____
Bottom Hole Location: _____
KCC DKT #: _____

DECLARATION OF POOLING ATTACHED

*LWS: Phone 913-748-3955
IS: 913-748-3955

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: 12/1/2010 3/30/2011 Signature of Operator or Agent: Victor H. Dyal Title: Manager of Engineering

For KCC Use ONLY
API # 15 - 205-27893-0000
Conductor pipe required None feet
Minimum surface pipe required 40 feet per ALT. ☐ I ☒ II
Approved by: 12-3-2010 / 12-4-2012
This authorization expires: 12-3-2011
(This authorization void if drilling not started within 12 months of approval date.)
Spud date: _____ Agent: _____

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

Spot Description:
SW - SW - NE - SE Sec. 34 Twp. 30 S. R. 14 ☒ E ☐ W
(1358) 1605 feet from ☐ N / ☒ S Line of Section
(1125) 1125 feet from ☒ E / ☐ W Line of Section

Is SECTION: ☒ Regular ☐ Irregular?

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

County: Wilson
Lease Name: Metzger Well #: 9N-34
Field Name: Lafontaine

Is this a Prorated / Spaced Field? ☐ Yes ☒ No

Target Formation(s): Cattelman Sands

*Nearest Lease or unit boundary line (in footage): 285'

Ground Surface Elevation: 921 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: 150'

Depth to bottom of usable water: 200'

Surface Pipe by Alternate: ☐ I ☒ II

Length of Surface Pipe Planned to be set: 40'

Length of Conductor Pipe (if any): None

Projected Total Depth: 1300'

Formation at Total Depth: Mississippian

Water Source for Drilling Operations: ☒ Well ☐ Farm Pond ☒ Other: _____

DWR Permit #: _____

(Note: Apply for Permit with DWR ☒)

Will Cores be taken? ☐ Yes ☒ No

If Yes, proposed zone: _____

AFFIDAVIT

plugging of this well will comply with K.S.A. 55 et. seq.
*LWS: 1350' FSL; 1141' FEL ALUB: 30'
IS: 1605' FSL; 1125' FEL; ALUB: 285'

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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: _____

MAR 31 2011

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API # 15 -

205-27893-0000

State Two

See New Plat

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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: Lyns Energy
Lease: Metzger
Well Number: 9N-34
Field: Lafontaine

Location of Well: County: Wilson
1605 1850 feet from ☒ N ☒ S Line of Section
1125 1141 feet from ☒ E ☐ W Line of Section
Sec. 34 Twp. 30 S. R. 14 ☒ E ☐ W

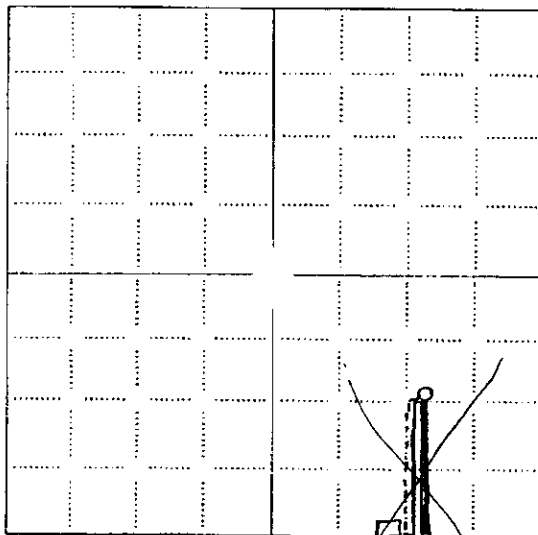
Number of Acres attributable to well: _____
QTR/QTR/QTR/QTR of acreage: SW SW NE SE

Is Section: ☒ Regular or ☐ Irregular

If Section is Irregular, locate well from nearest corner boundary.
Section corner used: ☐ NE ☐ NW ☐ SE ☐ SW

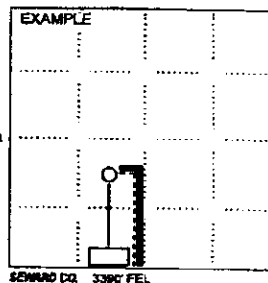
PLAT

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.



LEGEND

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



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

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.

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For KCC Use ONLY

API # 15 - _____

Side Two

CORRECTED

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: Layne Energy
 Lease: Metzger
 Well Number: 9N-34
 Field: Lafontaine

Location of Well: County: Wilson
1605' feet from ☐ N ☒ S Line of Section
1125' feet from ☒ E ☐ W Line of Section
 Sec. 34 Twp. 30 S. R. 14 ☒ E ☐ W

Number of Acres attributable to well: _____

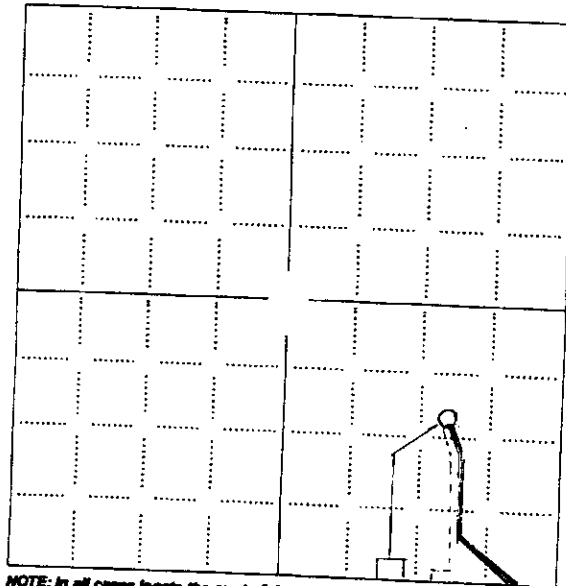
QTR/QTR/QTR/QTR of acreage: SW - SW - NE - SE

Is Section: ☐ Regular or ☐ Irregular

If Section is irregular, locate well from nearest corner boundary.
 Section corner used: ☐ NE ☐ NW ☐ SE ☐ SW

PLAT

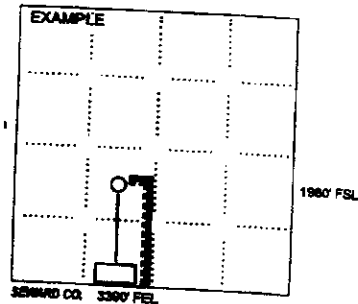
Show location of the well. Show footage to the nearest lease or unit boundary line. Show the predicted locations of lease roads, tank batteries, pipelines and electrical lines, as required by the Kansas Surface Owner Notice Act (House Bill 2032). You may attach a separate plat if desired.



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



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.

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15-205-27893-0000

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 # 33365

Name: Layne Energy Operating, LLC

Address 1: 1900 Shawnee Mission Parkway

Address 2:

City: Mission Woods State: KS Zip: 66205 + 2001

Contact Person: Victor H. Dyal

Phone: (913) 748-3950 3955 Fax: (913) 748-3950

Email Address: vdyaal@layneenergy.com

Well Location:

SW SW NE SE Sec. 34 Twp. 30 S. R. 14 ☒ East ☐ West

County: Wilson

Lease Name: Metzger Well #: 9N-34

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

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Surface Owner Information:

Name: Bob Metzger

Address 1: 6484 CR 2300

Address 2:

City: Fredonia State: KS Zip: 66736 +

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.

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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.

☐ 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.

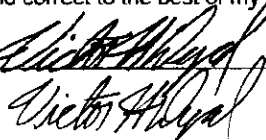
I hereby certify that the statements made herein are true and correct to the best of my knowledge and belief.

Date: 12/1/2010

Signature of Operator or Agent:

Title: Manager of Engineering

3/30/2011



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

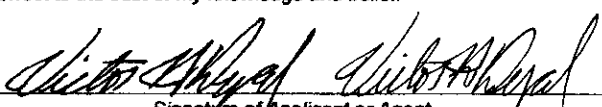
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**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
APPLICATION FOR SURFACE PIT**

**CORRECTED
CORRECTED**

Form COP-1
May 2010
Form must be Typed

Submit in Duplicate

Operator Name: Layne Energy Operating, LLC		License Number: 33365
Operator Address: 1900 Shawnee Mission Parkway		Mission Woods KS 66205
Contact Person: Victor H. Dyal		Phone Number: 913-748-3960-3955
Lease Name & Well No.: Metzger 9N-34		Pit Location (QQQQ): SW - SW - NE - SE Sec. <u>34</u> Twp. <u>30</u> R. <u>14</u> <input checked="" type="checkbox"/> East <input type="checkbox"/> West 1,350 <u>1605</u> Feet from <input type="checkbox"/> North / <input checked="" type="checkbox"/> South Line of Section 1,141 <u>1125</u> Feet from <input checked="" type="checkbox"/> East / <input type="checkbox"/> West Line of Section Wilson County
Type of Pit: <input type="checkbox"/> Emergency Pit <input type="checkbox"/> Burn Pit <input type="checkbox"/> Settling Pit <input checked="" type="checkbox"/> Drilling Pit <input type="checkbox"/> Workover Pit <input type="checkbox"/> Haul-Off Pit <small>(If WP Supply API No. or Year Drilled)</small>	Pit is: <input checked="" type="checkbox"/> Proposed <input type="checkbox"/> Existing If Existing, date constructed: _____ Pit capacity: _____ (bbls)	
Is the pit located in a Sensitive Ground Water Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Chloride concentration: _____ mg/l <small>(For Emergency Pits and Settling Pits only)</small>
Is the bottom below ground level? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Artificial Liner? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	How is the pit lined if a plastic liner is not used? Made of clay
Pit dimensions (all but working pits): <u>30</u> Length (feet) <u>20</u> Width (feet) <input type="checkbox"/> N/A: Steel Pits Depth from ground level to deepest point: <u>3</u> (feet) <input type="checkbox"/> No Pit		
If the pit is lined give a brief description of the liner material, thickness and installation procedure.		Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring.
Distance to nearest water well within one-mile of pit: <u>None</u> feet Depth of water well _____ feet		Depth to shallowest fresh water _____ feet Source of information: <input type="checkbox"/> measured <input type="checkbox"/> well owner <input type="checkbox"/> electric log <input type="checkbox"/> KDWR
Emergency, Settling and Burn Pits ONLY: 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		Drilling, Workover and Haul-Off Pits ONLY: Type of material utilized in drilling/workover: <u>fresh water mud</u> Number of working pits to be utilized: <u>2</u> Abandonment procedure: <u>Let evaporate until dry; then backfill and restore</u> 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. <div style="display: flex; justify-content: space-between;"><div><u>12/1/2010</u> Date</div><div> Signature of Applicant or Agent</div><div><u>3/30/2011</u></div></div>		

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15-205-27893-0000

KCC OFFICE USE ONLY			
Date Received: <u>12/2/10</u>	Permit Number: _____	Permit Date: <u>12/2/10</u> <u>3/31/11</u>	Lease Inspection: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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