

For KCC Use: 10-806  
 Effective Date: 3  
 District #: 3  
 SGA?  Yes  No

**KANSAS CORPORATION COMMISSION RECEIVED**  
**OIL & GAS CONSERVATION DIVISION**  
**NOTICE OF INTENT TO DRILL** **OCT 03 2006**  
*Must be approved by KCC five (5) days prior to commencing well*

Form C-1  
 December 2002  
 Form must be Typed  
 Form must be Signed  
 All blanks must be Filled

Expected Spud Date October 8, 2006  
 month day year

OPERATOR: License# 33365  
 Name: Layne Energy Operating, LLC  
 Address: 1900 Shawnee Mission Parkway  
 City/State/Zip: Mission Woods, KS 66205  
 Contact Person: M. B. Natrass  
 Phone: 913-748-3987

CONTRACTOR: License# 33606  
 Name: Thorton Air

<b>Well Drilled For:</b>	<b>Well Class:</b>	<b>Type Equipment:</b>
<input type="checkbox"/> Oil	<input type="checkbox"/> Enh Rec	<input checked="" type="checkbox"/> Infield
<input checked="" type="checkbox"/> Gas	<input type="checkbox"/> Storage	<input type="checkbox"/> Mud Rotary
<input type="checkbox"/> OWWO	<input type="checkbox"/> Disposal	<input checked="" type="checkbox"/> Air Rotary
<input type="checkbox"/> Seismic; # of Holes	<input type="checkbox"/> Wildcat	<input type="checkbox"/> Cable
<input type="checkbox"/> Other	<input type="checkbox"/> Other	

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 #: \_\_\_\_\_

**CONSERVATION DIVISION**  
**WICHITA, KS**

Spot AIE SW NW Sec. 4 Twp. 32 S. R. 13  East  West  
1904 feet from  N /  S Line of Section  
806 feet from  E /  W Line of Section  
 Is SECTION  Regular  Irregular?

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

County: Chautauqua  
 Lease Name: Vaughn Well #: 5-4  
 Field Name: Cherokee Basin Coal  
 Is this a Prorated / Spaced Field?  Yes  No  
 Target Formation(s): Cherokee Coals  
 Nearest Lease or unit boundary: 514  
 Ground Surface Elevation: 929 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:  1  2  
 Length of Surface Pipe Planned to be set: 20' **40' Minimum At 2.**  
 Length of Conductor Pipe required: None  
 Projected Total Depth: 1500 Feet  
 Formation at Total Depth: Mississippian  
 Water Source for Drilling Operations:  
 Well  Farm Pond Other  X  
 DWR Permit #: \_\_\_\_\_  
 (Note: Apply for Permit with DWR )  
 Will Cores be taken?  Yes  No  
 If Yes, proposed zone: \_\_\_\_\_

**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: 10/2/2006 Signature of Operator or Agent: M B Natrass Title: Agent

**For KCC Use ONLY**

API # 15 - 019-26762-0000

Conductor pipe required None feet

Minimum surface pipe required 40 feet per Alt. **X(2)**

Approved by: put 10-3-06

This authorization expires: 4-3-07  
 (This authorization void if drilling not started within 6 months of effective date.)

Spud date: \_\_\_\_\_ Agent: \_\_\_\_\_

**Remember to:**

- 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;
- Obtain written approval before disposing or injecting salt water.
- If this permit has expired (See: authorized expiration date) please check the box below and return to the address below.

**Well Not Drilled - Permit Expired**  
 Signature of Operator or Agent: \_\_\_\_\_  
 Date: \_\_\_\_\_

4  
32  
13E

RECEIVED  
KANSAS CORPORATION COMMISSION  
OCT 03 2006

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

*Plat of acreage attributable to a well in a prorated or spaced field*

CONSERVATION DIVISION

WICHITA, KS

**If the intended well is in a prorated or spaced field, please fully complete this side of the form.** If the intended well is in a prorated or spaced field complete the plat below showing that the well will be properly located in relationship to other wells producing from the common source of supply. Please show all the wells and within 1 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for oil wells.

API No. 15 - 019-26762-0000  
Operator: Layne Energy Operating, LLC  
Lease: Vaughn  
Well Number: 5-4  
Field: Cherokee Basin Coal

Location of Well: County: Chautauqua  
1904 feet from  N /  S Line of Section  
806 feet from  E /  W Line of Section  
Sec. 4 Twp. 32 S. R. 13  East  West

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

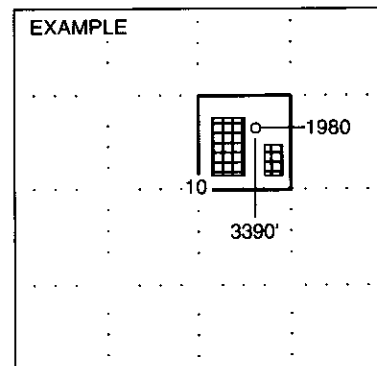
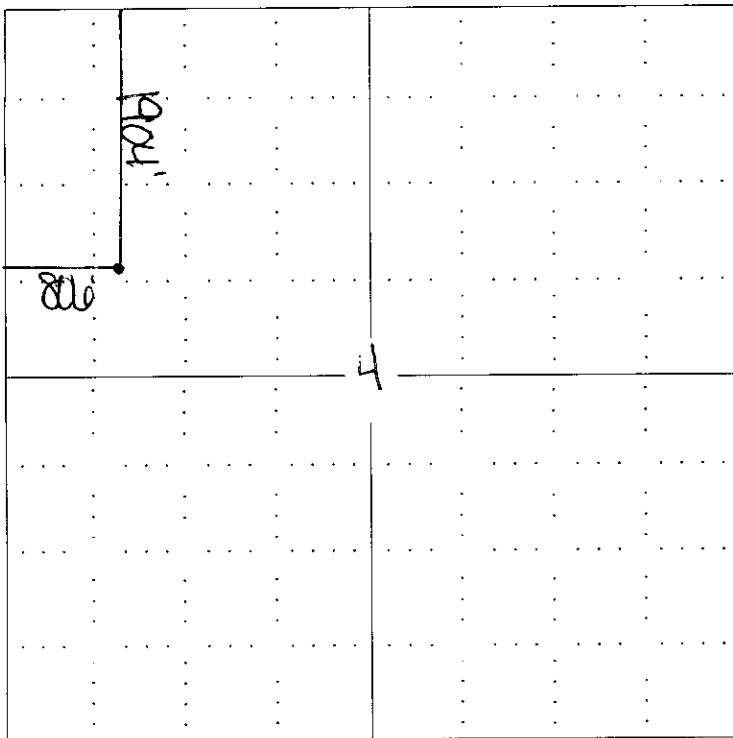
Is Section:  Regular or  Irregular

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

Section corner used:  NE  NW  SE  SW

**PLAT**

*(Show location of the well and shade attributable acreage for prorated or spaced wells.)  
(Show footage to the nearest lease or unit boundary line.)*



SEWARD CO.

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

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

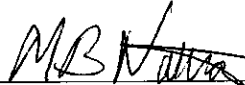
1. The manner in which you are using the depicted plat by identifying section lines, i.e. 1 section, 1 section with 8 surrounding sections, 4 sections, etc.
2. The distance of the proposed drilling location from the section's south / north and east / west.
3. The distance to the nearest lease or unit boundary line.
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).

APPLICATION FOR SURFACE PIT

OCT 03 2006

Submit in Duplicate

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: <b>Layne Energy Operating, LLC</b>		License Number: <b>33365</b>
Operator Address: <b>1900 Shawnee Mission Parkway, Mission Woods, KS 66205</b>		
Contact Person: <b>M. B. Natrass</b>		Phone Number: ( <b>913</b> ) <b>748 3987</b>
Lease Name & Well No.: <b>Vaughn 5-4</b>		Pit Location (QQQQ): _____ <b>SW</b> _____ <b>NW</b> Sec. <b>4</b> Twp. <b>32</b> R. <b>13</b> <input checked="" type="checkbox"/> East <input type="checkbox"/> West <b>1904</b> Feet from <input checked="" type="checkbox"/> North / <input type="checkbox"/> South Line of Section <b>806</b> Feet from <input type="checkbox"/> East / <input checked="" type="checkbox"/> West Line of Section <b>Chautauqua</b> 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? <b>Self-sealing pit</b>
Pit dimensions (all but working pits): <b>30'</b> Length (feet) <b>20'</b> Width (feet) <b>N/A: Steel Pits</b> Depth from ground level to deepest point: <b>3'</b> (feet)		
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 <b>N/A</b> feet    Depth of water well _____ feet		Depth to shallowest fresh water _____ feet. Source of information: _____ measured    _____ well owner    _____ electric log    _____ KDWR
<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: <b>Fresh Water Mud</b> Number of working pits to be utilized: <b>Two</b> Abandonment procedure: <b>Let Evaporate until dry and then backfill restore.</b> 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.		
Date: <b>10/2/2006</b>		Signature of Applicant or Agent: 

15-019-26762-0000

KCC OFFICE USE ONLY			
Date Received: <b>10/3/06</b>	Permit Number: _____	Permit Date: <b>10/2/06</b>	Lease Inspection: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No