

For KCC Use:
Effective Date: 5-6-07
District #: 3
SGA? ☐ Yes ☒ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

NOTICE OF INTENT TO DRILL

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 May 4, 2007
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: Brent Natrass
Phone: 913-748-3960

CONTRACTOR: License# 33606
Name: Thornton Air

Well Drilled For:	Well Class:	Type Equipment:
<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"/> Pool Ext.
<input type="checkbox"/> OWWO	<input type="checkbox"/> Disposal	<input type="checkbox"/> Wildcat
<input type="checkbox"/> Seismic: # of Holes	<input type="checkbox"/> Other	<input type="checkbox"/> Cable
<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 #: _____

Spot _____ SW NW Sec. 4 Twp. 30 S. R. 14 ☒ East ☐ West
1978' _____ feet from ☒ N / ☐ S Line of Section
659' _____ 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: Hulse 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: 658'

Ground Surface Elevation: 896 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: 40'

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

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MAY 01 2007

CONSERVATION DIVISION

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: April 27, 2007 Signature of Operator or Agent: MS Natrass Title: Agent

For KCC Use ONLY

API # 15 - 205-27165-0000

Conductor pipe required None feet

Minimum surface pipe required 40 feet per Alt. 102

Approved by: MS-51-07

This authorization expires: 11-1-07

(This authorization void if drilling not started within 6 months of approval 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: _____

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

IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW*Plat of acreage attributable to a well in a prorated or spaced field*

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 - 205-27165-0000
 Operator: Layne Energy Operating, LLC
 Lease: Hulse
 Well Number: 5-4
 Field: Cherokee Basin Coal
 Number of Acres attributable to well: _____
 QTR / QTR / QTR of acreage: _____ - SW - NW

Location of Well: County: Wilson
1978' feet from ☒ N / ☐ S Line of Section
659' feet from ☐ E / ☒ W Line of Section
 Sec. 4 Twp. 30 S. R. 14 ☒ East ☐ West

Is Section: ☒ Regular or ☐ Irregular

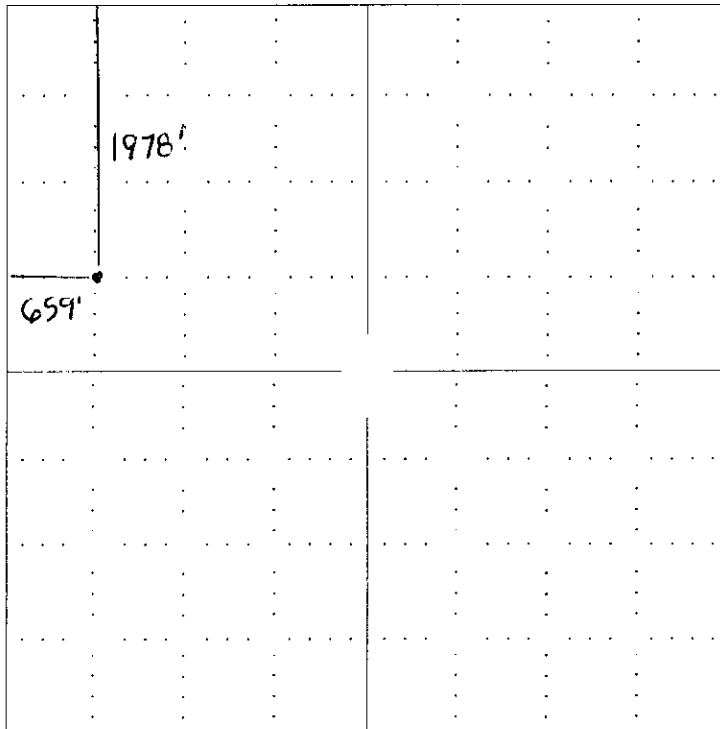
If Section Is Irregular, locate well from nearest corner boundary.

Section corner used: ☐ NE ☐ NW ☐ SE ☐ SW

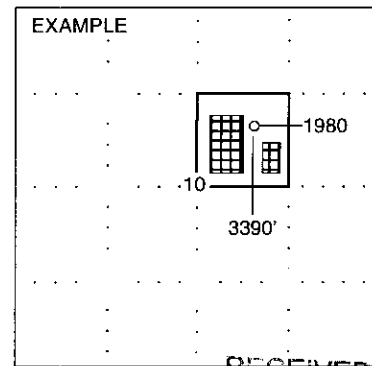
PLAT

(Show location of the well and shade attributable acreage for prorated or spaced wells.)

(Show footage to the nearest lease or unit boundary line.)



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



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MAY 01 2007

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: (C0-7 for oil wells; CG-8 for gas wells).

CONSERVATION DIVISION
 WILSON, MO

15-205-271650000



CORNERSTONE REGIONAL SURVEYING, LLC

1921 North Penn Ave.
Independence, KS 67301

Telephone: 620-331-6767
Fax: 620-331-6776

WELL LOCATION REPORT Including Latitude & Longitude

LEASE NAME:	Hulse 5-4
COUNTY:	Wilson
OPERATOR:	Layne Energy SY
LOCATION:	1978' FNL, 659' FNL, Sec. 4, Twp. 30S, Rge. 14E
LATITUDE:	SW - NW N 37° 28' 00.68" Cherokee Basin Coal
LONGITUDE:	37.46856 W 95° 53' 11.01" 56W
GROUND ELEVATION:	-95.886392 896 feet Area 3-40'
SCALE:	1" = 2000' 1500'
DATE:	April 23, 2007
SURVEYED BY:	Keith Matlock
DRAWN BY:	Gary Walker
AUTHORIZED BY:	Kimberlee Dixon
DIRECTIONS	See reverse for directions from 700 Rd. and Edwards Rd.

658'

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MAY 11 2007

CONSERVATION DIVISION
WICHITA, KS

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: Layne Energy Operating, LLC		License Number: 33365
Operator Address: 1900 Shawnee Mission Parkway, Mission Woods, KS 66205		
Contact Person: Brent Natrass		Phone Number: (913) 748 - 3960
Lease Name & Well No.: Hulse 5-4		Pit Location (QQQQ): _____ - _____ - SW - NW Sec. 4 Twp. 30 R. 14 <input checked="" type="checkbox"/> East <input type="checkbox"/> West 1978' Feet from <input checked="" type="checkbox"/> North / <input type="checkbox"/> South Line of Section 659' Feet from <input type="checkbox"/> East / <input checked="" 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 (If WP Supply API No. or Year Drilled)	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 (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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	How is the pit lined if a plastic liner is not used? Self-Sealing
Pit dimensions (all but working pits): 30' Length (feet) 20' Width (feet) N/A: Steel Pits Depth from ground level to deepest point: 3' (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 none feet Depth of water well _____ feet		Depth to shallowest fresh water _____ feet. Source of information: _____ measured _____ well owner _____ electric log _____ 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: Fresh Water Mud Number of working pits to be utilized: Two Abandonment procedure: Let evaporate until dry, then backfill and restore 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.		
April 27, 2007 Date		RECEIVED MAY 01 2007 Signature of Applicant or Agent MR Natrass KANSAS CORPORATION COMMISSION CONSERVATION DIVISION WICHITA, KS
KCC OFFICE USE ONLY		
Date Received: 5/1/07 Permit Number: _____ Permit Date: 5/1/07 Lease Inspection: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

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