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For KCC Use: 7-30-2011
Effective Date: 3
District # 3
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: August 1, 2011
month day year

OPERATOR: License# 30329
Name: Thomas Well Service, Inc.
Address 1: P.O. Box 97
Address 2: _____
City: Mclouth State: KS Zip: 66054 + 0097
Contact Person: Bob Thomas
Phone: 913-758-0175

CONTRACTOR: License# 34059
Name: Hurricane Services, Inc.

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: Great Plains Energy Corp.
Well Name: Crum # 1
Original Completion Date: Jan-15-1985 Original Total Depth: 1522 ft

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

Spot Description: SE - NE - NE - NE Sec. 22 Twp. 8 S. R. 21 E W
(a/a/a/a) 4,290 feet from N / S Line of Section
330 feet from E / W Line of Section
Is SECTION: Regular Irregular?

(Note: Locate well on the Section Plat on reverse side)
County: Leavenworth
Lease Name: Crum Well #: 1
Field Name: Easton East
Is this a Prorated / Spaced Field? Yes No
Target Formation(s): Mclouth
Nearest Lease or unit boundary line (in footage): 330
Ground Surface Elevation: 1065 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: 144
Depth to bottom of usable water: 275
Surface Pipe by Alternate: I II
Length of Surface Pipe Planned to be set: 40 ft - 42
Length of Conductor Pipe (if any): none
Projected Total Depth: 1500 ft
Formation at Total Depth: Mississippi
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

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: July 20, 2011 Signature of Operator or Agent: [Signature] Title: President

For KCC Use ONLY
API # 15 - 15-103-20319-00-01
Conductor pipe required None feet
Minimum surface pipe required 42 feet per ALT. I II
Approved by: [Signature] 7-25-2011
This authorization expires: 7-25-2012
(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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KCC WICHITA

22 8 21
 E W

For KCC Use ONLY

API # 15 - 103-20319-00-01

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: Thomas Well Service, Inc.
Lease: Crum
Well Number: 1
Field: Easton East

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

Location of Well: County: Leavenworth
4,290 feet from N / S Line of Section
330 feet from E / W Line of Section
Sec. 22 Twp. 8 S. R. 21 E W

Is Section: Regular or Irregular

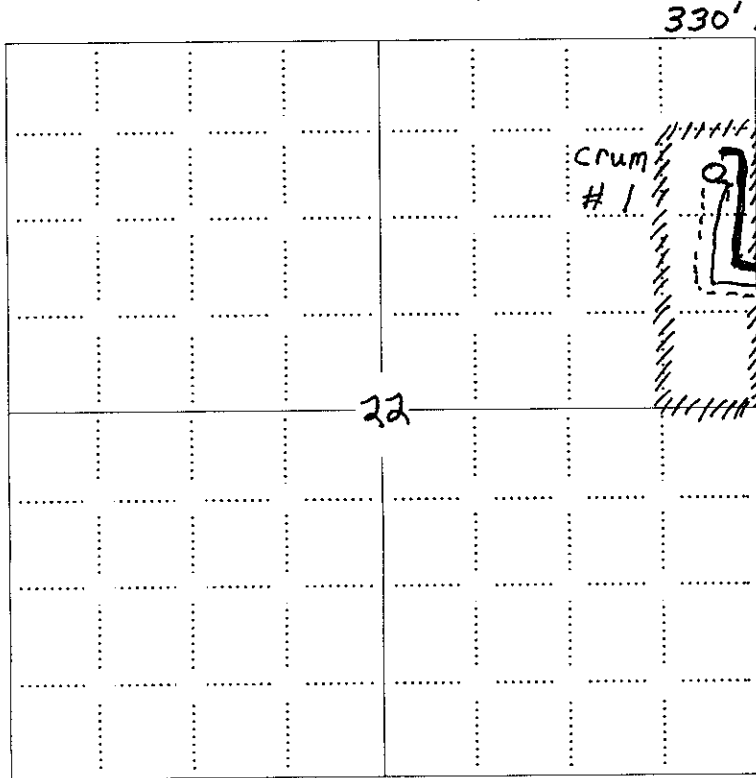
If Section is irregular, locate well from nearest corner boundary.

Section corner used: NE NW SE SW

PLAT

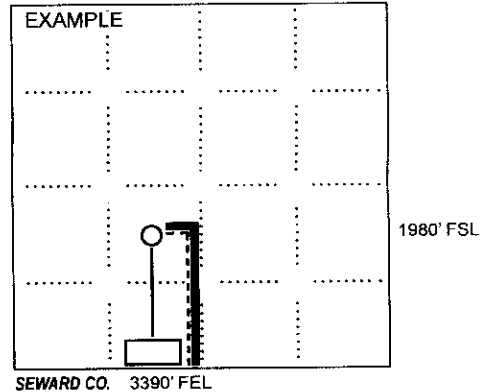
Show location of the well. Show footage to the nearest lease or unit boundary line. Show the predicted locations of lease roads, tank batteries, pipelines and electrical lines, as required by the Kansas Surface Owner Notice Act (House Bill 2032).

You may attach a separate plat if desired.



LEGEND

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



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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15-103-20319-00-01
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 # 30329
Name: Thomas Well Service, Inc.
Address 1: P.O. Box 97
Address 2: _____
City: Mclouth State: KS Zip: 66054 + 0097
Contact Person: Bob Thomas
Phone: (913) 758-0175 Fax: (_____) _____
Email Address: _____

Well Location:
SE NE NE NE Sec. 22 Twp. 8 S. R. 21 East West
County: Leavenworth
Lease Name: Crum Well #: 1

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

Surface Owner Information:

Name: Bobby G. Thomas and Janice Thomas
Address 1: P.O. Box 97
Address 2: _____
City: Mclouth State: KS Zip: 66054 + 0097

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.

Date: July 20, 2011 Signature of Operator or Agent: Bob Thomas Title: President

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KCC WICHITA

STATE OF KANSAS
STATE CORPORATION COMMISSION
200 Colorado Derby Building
Wichita, Kansas 67202

WELL PLUGGING RECORD
K.A.R.-82-3-117

API NUMBER 15-103-20319-00-00

LEASE NAME Crum

WELL NUMBER 1

4290
2870 Ft. from S Section Line

330 Ft. from E Section Line

SEC. 22 TWP. 8 RGE. 21 (E) or (W)

COUNTY Leavenworth

Date Well Completed _____

Plugging Commenced 1-9-86

Plugging Completed 1-9-86

TYPE OR PRINT
NOTICE: Fill out completely
and return to Cons. Div.
office within 30 days.

LEASE OPERATOR Great Plains Energy Corp

ADDRESS 112 South 7th St., Hiawatha, Ks

PHONE# (913) 742-7101 OPERATORS' LICENSE NO. _____

Character of Well D&A

(Oil, Gas, D&A, SWD, Input, Water Supply Well)

Did you notify the KCC/KDHE Joint District Office prior to plugging this well? Yes

Which KCC/KDHE Joint Office did you notify? Lawrence

Is ACO-1 filed? ? If not, is well log attached? Yes

Producing Formation McLouth Depth to Top 1425 Bottom 1441 T.D. 1514

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

Formation	Content	From	To	Size	Put in	Pulled out
<u>McLouth</u>	<u>Heavy Oil</u>	<u>1425 0</u>	<u>42</u>	<u>7"</u>	<u>42</u>	<u>0</u>
		<u>0</u>	<u>1514</u>	<u>4 1/2"</u>	<u>1514</u>	<u>0</u>

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plug were used, state the character of same and depth placed, from ___ feet to ___ feet each set.

Ramped 20sv @ TD 60/40 pos 2 1/2 gal
10sv @ 750'
Filled 350' to Surface

(If additional description is necessary, use BACK of this form.)

Name of Plugging Contractor Consolidated Well Service License No. _____

Address PO Box 884, Chanute, Ks

STATE OF _____ COUNTY OF _____, ss.

Employee (Employee of Operator) or (Operator) of above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed that the same are true and correct, so help me God.

(Signature) [Signature]

(Address) 307 Dodge St, Houghton Mi, 49931

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STATE CORPORATION COMMISSION

APR 23 1986

SUBSCRIBED AND SWORN TO before me this 21 day of April, 19 86

CONSERVATION DIVISION
Wichita, Kansas

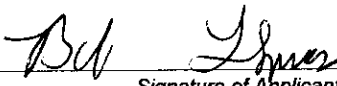
My Commission Expires: 4/30/88

[Signature]
Notary Public

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

Form CDP-1
May 2010
Form must be Typed

Submit in Duplicate

Operator Name: Thomas Well Service, Inc.		License Number: 30329	
Operator Address: P.O. Box 97		Mclouth KS 66054	
Contact Person: Bob Thomas		Phone Number: 913-758-0175	
Lease Name & Well No.: Crum 1		Pit Location (QQQQ): SE NE NE NE	
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 W/P Supply API No. or Year Drilled)</small> 15-103-20319-00-00		Pit is: <input checked="" type="checkbox"/> Proposed <input type="checkbox"/> Existing If Existing, date constructed: _____ Pit capacity: 100 (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? Native Clay			
Pit dimensions (all but working pits): <u>20</u> Length (feet) <u>8</u> Width (feet) <input type="checkbox"/> N/A: Steel Pits Depth from ground level to deepest point: <u>5</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. Measure Water Level Hourly	
Distance to nearest water well within one-mile of pit: <u>3300</u> ³²⁰⁷ feet Depth of water well <u>36</u> ₆₃ feet		Depth to shallowest fresh water <u>12</u> ₂₆ feet. Source of information: <input type="checkbox"/> measured <input type="checkbox"/> well owner <input type="checkbox"/> electric log <input checked="" 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>Pond Water</u> Number of working pits to be utilized: <u>2</u> Abandonment procedure: <u>air dry and backfill</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.			
July 20, 2011 Date		 Signature of Applicant or Agent	
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KCC OFFICE USE ONLY			
<input type="checkbox"/> Liner <input type="checkbox"/> Steel Pit <input checked="" type="checkbox"/> RFAC <input type="checkbox"/> RFAS			
Date Received: <u>7-22-11</u> Permit Number: _____ Permit Date: <u>7-22-11</u> Lease Inspection: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

15-103-20319-00-01

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

July 22, 2011

Thomas Well Service, Inc.
PO Box 97
Mclouth, KS 66054-0097

RE: Drilling Pit Application
Crum Lease Well No. 1
NE/4 Sec. 22-08S-21E
Leavenworth 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 the free fluids must be removed. The fluids are to be removed from the reserve pit immediately 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 (620) 432-2300 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.

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