

For KCC Use: 5-14-2011  
Effective Date: \_\_\_\_\_  
District #: 4  
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: May 15 2011  
month day year

OPERATOR: License# 32504  
Name: Blackhawk Production Company dba  
Address 1: 1607 Oakmont  
Address 2: \_\_\_\_\_  
City: Hays State: KS Zip: 67601 + \_\_\_\_\_  
Contact Person: Aaron Werth  
Phone: (785) 625-2041  
CONTRACTOR: License# 31548  
Name: Discovery Drilling Co., Inc.

Spot Description: 40'S & 20'E of  
\_\_\_\_\_ SW - SW Sec. 14 Twp. 13 S. R. 20  E  W  
(2020) 620 feet from  N /  S Line of Section  
680 feet from  E /  W Line of Section  
Is SECTION:  Regular  Irregular?

(Note: Locate well on the Section Plat on reverse side)  
County: Ellis  
Lease Name: Calvert Well #: 4  
Field Name: Calvert  
Is this a Prorated / Spaced Field?  Yes  No  
Target Formation(s): LKC & Arbuckle  
Nearest Lease or unit boundary line (in footage): 620  
Ground Surface Elevation: 2157 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: 180  
Depth to bottom of usable water: 900 750  
Surface Pipe by Alternate:  I  II  
Length of Surface Pipe Planned to be set: 200  
Length of Conductor Pipe (if any): 0  
Projected Total Depth: 3950  
Formation at Total Depth: Arbuckle  
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: \_\_\_\_\_

Well Drilled For:  Oil  Gas  Seismic; # of Holes \_\_\_\_\_  
 Other: \_\_\_\_\_  
Well Class:  Infield  Pool Ext.  Wildcat  Other  
Type Equipment:  Mud Rotary  Air Rotary  Cable  
 Enh Rec  Storage  Disposal

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

**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: 5/3/2011 Signature of Operator or Agent: [Signature] Title: Agent

For KCC Use ONLY  
API # 15 - 051-26143-0000  
Conductor pipe required None feet  
Minimum surface pipe required 200 feet per ALT.  I  II  
Approved by: [Signature] 5-9-2011  
This authorization expires: 5-9-2012  
(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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MAY 05 2011  
KCC WICHITA

14  
13  
20  
 E  
 W

For KCC Use ONLY  
 API # 15 - 051-26143-0000

**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: Blackhawk Production Company  
 Lease: Calvert  
 Well Number: 4  
 Field: \_\_\_\_\_

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

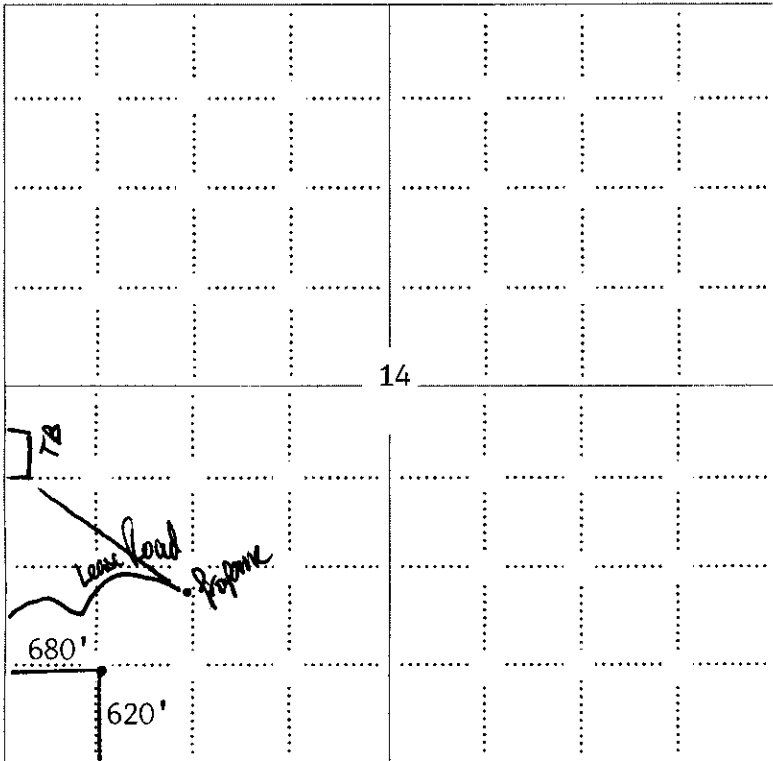
Location of Well: County: Ellis  
 620 feet from  N /  S Line of Section  
 680 feet from  E /  W Line of Section  
 Sec. 14 Twp. 13 S. R. 20  E  W

Is Section:  Regular or  Irregular

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

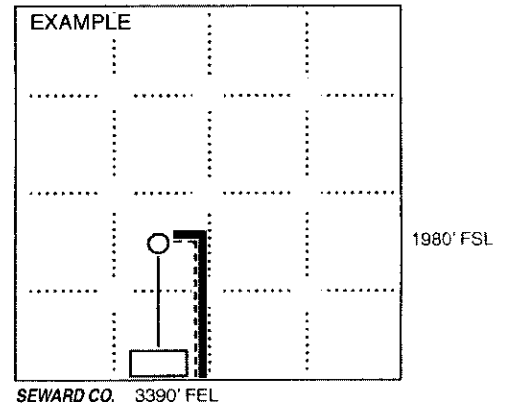
**PLAT**

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

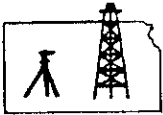


**NOTE: In all cases locate the spot of the proposed drilling location.**  
 Ellis Co., KS

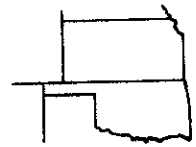
**In plotting the proposed location of the well, you must show:**

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.

15-051-26143-0000



**Pro-Stake LLC**  
Oil Field & Construction Site Staking  
P.O. Box 2324  
Garden City, Kansas 67846  
Office/Fax: (620) 276-6159  
Cell: (620) 272-1499



**n0422511-b**  
PLAT NO.

**9322**  
INVOICE NO.

**Blackhawk Production Co.**

OPERATOR

**Ellis County, KS**

COUNTY

**14** **13s** **20w**  
Sec. Twp. Rng.

**Calvert #4**

LEASE NAME

**620' FSL - 680' FWL**

LOCATION SPOT

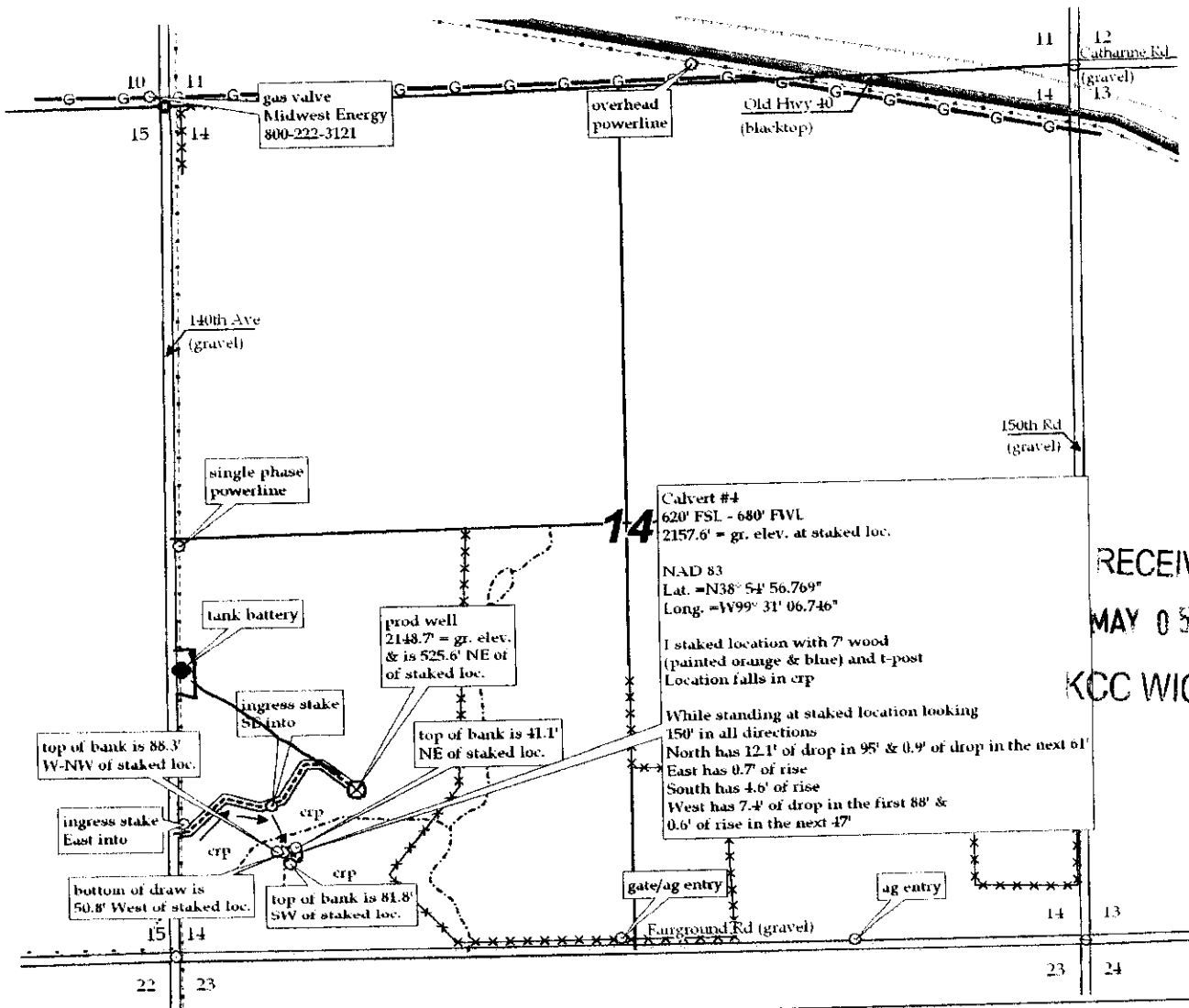
SCALE: **1" = 1000'**  
DATE: **April 22<sup>nd</sup>, 2011**  
MEASURED BY: **Ben R.**  
DRAWN BY: **Luke R.**  
AUTHORIZED BY: **Aaron W.**



GR. ELEVATION: **2157.6'**

**Directions:** From the center of Ellis, Ks. at the intersection of Old Hwy 40 & Hwy 247 North - Now go 2.3 mile SE on Old Hwy 40 - Now go 0.2 mile South on 140<sup>th</sup> Ave to the NW corner of section 14-13s-20w - Now go 0.9 mile South on 140<sup>th</sup> Ave to ingress stake East into - Now go 0.1 mile NE & E-SE on lease rd to ingress stake SE into - Now go approx. 310' S-SE through crp into staked location.  
**Final ingress must be verified with land owner or Operator.**

*This drawing does not constitute a monumented survey or a land survey plat.*  
*This drawing is for construction purposes only.*



**Calvert #4**  
620' FSL - 680' FWL  
2157.6' = gr. elev. at staked loc.  
NAD 83  
Lat. = N38° 54' 56.769"  
Long. = W99° 31' 06.746"  
I staked location with 7 wood (painted orange & blue) and t-post  
Location falls in crp  
While standing at staked location looking 150' in all directions  
North has 12.1' of drop in 95' & 0.9' of drop in the next 61'  
East has 0.7' of rise  
South has 4.6' of rise  
West has 7.4' of drop in the first 88' & 0.6' of rise in the next 47'

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### 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 # 32504  
Name: Blackhawk Production Company  
Address 1: 1607 Oakmont  
Address 2: \_\_\_\_\_  
City: Hays State: KS Zip: 67601 + \_\_\_\_\_  
Contact Person: Aaron Werth  
Phone: ( 785 ) 625-2041 Fax: ( \_\_\_\_\_ ) \_\_\_\_\_  
Email Address: \_\_\_\_\_

Well Location:  
\_\_\_\_\_ SW SW Sec. 14 Twp. 13 S. R. 20  East  West  
County: Ellis  
Lease Name: Calvert Well #: 4

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

**Surface Owner Information:**

Name: Betty Calvert  
Address 1: 2700 Willow  
Address 2: \_\_\_\_\_  
City: Hays State: KS Zip: 67601 + \_\_\_\_\_

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: 5/3/2011 Signature of Operator or Agent: [Signature] Title: Agent

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MAY 05 2011

KCC WICHITA

**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: <b>Blackhawk Production Company</b>		License Number: <b>32504</b>
Operator Address: <b>1607 Oakmont</b>		<b>Hays KS 67601</b>
Contact Person: <b>Aaron Werth</b>		Phone Number: <b>(785) 625-2041</b>
Lease Name & Well No.: <b>Calvert 4</b>		Pit Location (QQQQ): _____ <b>SW</b> _____ <b>SW</b> Sec. <b>14</b> Twp. <b>13</b> R. <b>20</b> <input type="checkbox"/> East <input checked="" type="checkbox"/> West <b>620</b> Feet from <input type="checkbox"/> North / <input checked="" type="checkbox"/> South Line of Section <b>680</b> Feet from <input type="checkbox"/> East / <input checked="" type="checkbox"/> West Line of Section <b>Ellis</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: <b>3,000</b> _____ (bbbls)	
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>Sealed with clay soil, native and fresh mud.</b>
Pit dimensions (all but working pits): <b>70</b> Length (feet) <b>70</b> Width (feet) <input type="checkbox"/> N/A: Steel Pits Depth from ground level to deepest point: <b>5</b> (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: <b>N/A</b> 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
<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 Mud</b> Number of working pits to be utilized: <b>3</b> Abandonment procedure: <b>Allow liquid contents evaporate, let cuttings dry and backfill.</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.  <b>5/3/2011</b> Date		<b>RECEIVED MAY 05 2011 KCC WICHITA</b>
		<i>[Signature]</i> Signature of Applicant or Agent
<b>KCC OFFICE USE ONLY</b>		
Date Received: <b>5-5-11</b> Permit Number: _____ Permit Date: <b>5-9-11</b> Lease Inspection: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

15-051-26143-05-00

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/>

Thomas E. Wright, Chairman  
Ward Loyd, Commissioner

Corporation Commission

Sam Brownback, Governor

May 9, 2011

Blackhawk Production Company  
1607 Oakmont  
Hays, KS 67601

RE: Drilling Pit Application  
Calvert Lease Well No. 4  
SW/4 Sec. 14-13S-20W  
Ellis 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 as soon as practical after drilling operations have ceased. **Keep pits away from any drainage.**

**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 (785) 625-0550 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,

A handwritten signature in black ink that reads "Kathy Haynes".

Kathy Haynes  
Environmental Protection and Remediation Department

cc: district