

OWWO

For KCC Use: 8-31-2010  
Effective Date: 4  
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: October 1 2010  
month day year

OPERATOR: License# 33823  
Name: Sentinel Petroleum, Inc.  
Address 1: 101 N. Robinson, Suite 910  
Address 2: \_\_\_\_\_  
City: Oklahoma City State: OK Zip: 73102 + \_\_\_\_\_  
Contact Person: Suzanne Rogers  
Phone: 405-239-2150, ext 15

CONTRACTOR: License# 31548  
Name: Discovery Drilling

Well Drilled For:  Oil  Gas  Seismic; # of Holes \_\_\_\_\_  
 Other: water supply well

Well Class:  Enh Rec  Storage  Disposal  Infield  Pool Ext.  Wildcat  Other \_\_\_\_\_

Type Equipment:  Mud Rotary  Air Rotary  Cable

If OWWO: old well information as follows:  
Operator: D.G Hansen  
Well Name: Hill City High School #2  
Original Completion Date: 3-16-61 Original Total Depth: 3955'

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

Spot Description: \_\_\_\_\_  
(a/a/a/a) NE/4 - NE/4 - SE/4 Sec. 26 Twp. 9 S. R. 23  E  W  
2,310 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: Graham  
Lease Name: Hill City High School Well #: 2  
Field Name: Vesper

Is this a Prorated / Spaced Field?  Yes  No  
Target Formation(s): Cedar Hills

Nearest Lease or unit boundary line (in footage): 330 feet MSL  
Ground Surface Elevation: 2422 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: est 150-140'  
Depth to bottom of usable water: est 1150'

Surface Pipe by Alternate:  I  II  
Length of Surface Pipe Planned to be set: 190' originally set  
Length of Conductor Pipe (if any): N/A

Projected Total Depth: 2000'  
Formation at Total Depth: Anhydrite

Water Source for Drilling Operations:  
 Well  Farm Pond  Other: \_\_\_\_\_  
DWR Permit #: 20100348

(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: 8/24/2010 Signature of Operator or Agent: \_\_\_\_\_ Title: Operations Manager

For KCC Use ONLY  
API # 15 - 065-00669-00-01  
Conductor pipe required None feet  
Minimum surface pipe required 190 feet per ALT.  I  II  
Approved by: [Signature] 8-24-2010  
This authorization expires: 8-24-2011  
(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

26 9 23  
 E  W

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API # 15 - 065-00 669-00-01

### 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: Sentinel Petroleum, Inc.  
Lease: Hill City High School  
Well Number: 2  
Field: Vesper

Number of Acres attributable to well: \_\_\_\_\_  
QTR/QTR/QTR/QTR of acreage: \_\_\_\_\_ - NE/4 - NE/4 - SE/4

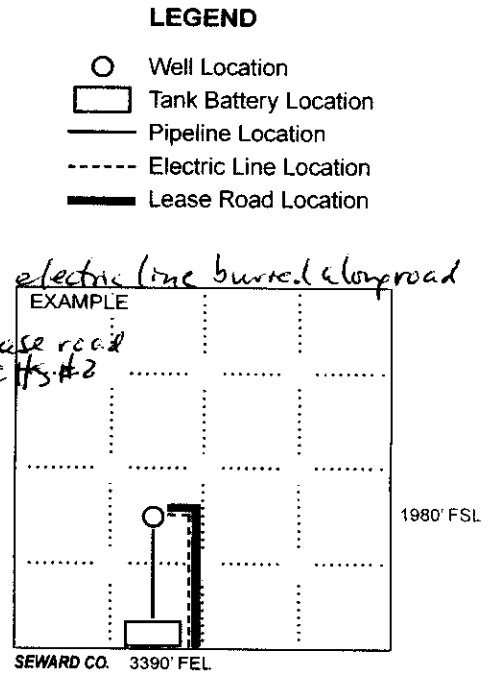
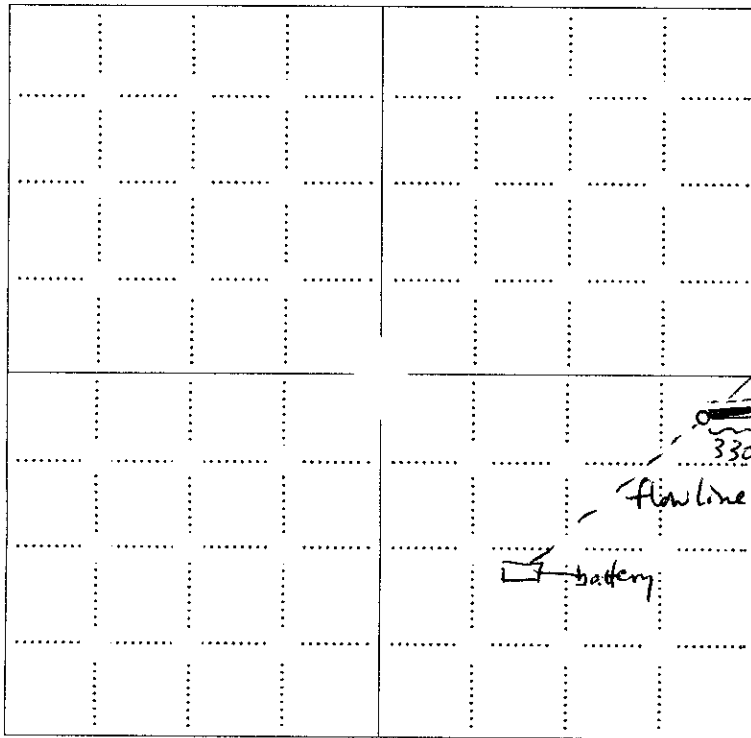
Location of Well: County: Graham  
2,310 feet from  N /  S Line of Section  
330 feet from  E /  W Line of Section  
Sec. 26 Twp. 9 S. R. 23  E  W

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.



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

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

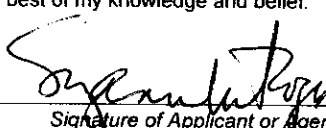
1. The manner in which you are using the depicted plat by identifying section lines, i.e. 1 section, 1 section with 8 surrounding sections, 4 sections, etc.
2. The distance of the proposed drilling location from the south / north and east / west outside section lines.
3. The distance to the nearest lease 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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**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>Sentinel Petroleum, Inc.</b>		License Number: <b>33823</b>
Operator Address: <b>101 N. Robinson, Suite 910</b>		<b>Oklahoma City OK 73102</b>
Contact Person: <b>Suzanne Rogers</b>		Phone Number: <b>405-239-2150, ext 15</b>
Lease Name & Well No.: <b>Hill City High School 2</b>		Pit Location (QQQQ): <b>NE/4 NE/4 SE/4</b>
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> (bbls)	Sec. <b>26</b> Twp. <b>9</b> R. <b>23</b> <input type="checkbox"/> East <input checked="" type="checkbox"/> West <b>2,310</b> Feet from <input type="checkbox"/> North / <input checked="" type="checkbox"/> South Line of Section <b>330</b> Feet from <input checked="" type="checkbox"/> East / <input type="checkbox"/> West Line of Section <b>Graham</b> County
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>Native Clay</b>
Pit dimensions (all but working pits): <u>70</u> Length (feet) <u>70</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.
		<b>RECEIVED AUG 26 2010 KCC WICHITA</b>
Distance to nearest water well within one-mile of pit: <u>2157</u> feet    Depth of water well <u>120</u> feet	Depth to shallowest fresh water <u>42</u> feet. Source of information: <input type="checkbox"/> measured <input type="checkbox"/> well owner <input type="checkbox"/> electric log <input checked="" 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: <u>premix/fresh water</u> Number of working pits to be utilized: <u>3</u> Abandonment procedure: <u>evaporation &amp; cover</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.		
<u>8/24/2010</u> Date	 Signature of Applicant or Agent	

15-065-00669-00-01

<b>KCC OFFICE USE ONLY</b>			
Date Received: <u>8-26-10</u>	Permit Number: _____	Permit Date: <u>8-26-10</u>	Lease Inspection: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Liner <input type="checkbox"/> Steel Pit <input type="checkbox"/> RFAC <input type="checkbox"/> RFAS			

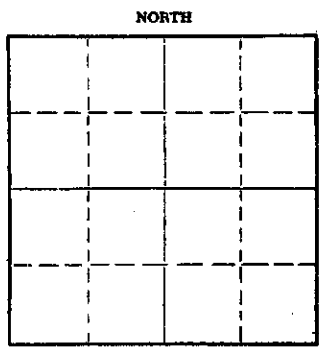
Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

15-065-00669-0000

STATE OF KANSAS  
STATE CORPORATION COMMISSION

Give All Information Completely  
Make Required Affidavit  
Mail or Deliver Report to:  
Conservation Division  
State Corporation Commission  
212 North Market, Insurance Bldg.  
Wichita, Kansas

WELL PLUGGING RECORD



Graham County, Sec. 26 Twp. 9 Rge. 23 (W) (W) (W)  
Location as "NE/CNWSW/" or footage from lines NE NE SE  
Lease Owner D. G. Hansen  
Lease Name High School Well No. 2  
Office Address Box 195, Logan, Kansas  
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole  
Date well completed 3-16 1961  
Application for plugging filed 3-16-1961  
Application for plugging approved 3-16 1961  
Plugging commenced 3-16 1961  
Plugging completed 3-16 1961  
Reason for abandonment of well or producing formation Dry

If a producing well is abandoned, date of last production 19  
Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well A. D. Fabricius  
Producing formation \_\_\_\_\_ Depth to top \_\_\_\_\_ Bottom \_\_\_\_\_ Total Depth of Well 3955 Feet  
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
				8 5/8"	190	

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 plugs were used, state the character of same and depth placed, from \_\_\_\_\_ feet to \_\_\_\_\_ feet for each plug set.

Bottom plug 300' with 20 sacks cement  
Middle Plug 180' with 20 sacks cement  
Top Plug 40' with 10 sacks cement

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STATE CORPORATION COMMISSION  
3-24-61  
MAR 24 1961

CONSERVATION DIVISION  
Wichita, Kansas

(If additional description is necessary, use BACK of this sheet)  
Name of Plugging Contractor Woodman & Iannitti Drilling Company  
Address 714 Union National Building, Wichita, Kansas

STATE OF Kansas COUNTY OF Sedgwick, ss.  
K. T. Woodman (employee or owner or operator) of the above-described  
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 and that the same are true and correct. So help me God.

(Signature) K. T. Woodman

714 Union National Building  
(Address) Wichita, Kans.

on this 23rd day of March, 19 61  
Agnes L. Kuhn  
L. Kuhn Notary Public.

**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 # 33823  
Name: Sentinel Petroleum, Inc.  
Address 1: 101 N. Robinson, Suite 910  
Address 2: \_\_\_\_\_  
City: Oklahoma City State: OK Zip: 73102 + \_\_\_\_\_  
Contact Person: Suzanne Rogers  
Phone: ( 405 ) 239-2150, Ext 15 Fax: ( 405 ) 235-3778  
Email Address: suzanne@sandstone-ok.com

Well Location:  
NE/4 NE/4 SE/4 Sec. 26 Twp. 9 S. R. 23  East  West  
County: Graham  
Lease Name: Hill City High School Well #: 2

*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: Unified School District #281  
Address 1: P.O. Box 309  
Address 2: \_\_\_\_\_  
City: Hill City State: KS Zip: 67642 + 0309

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*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: 8/24/2010 Signature of Operator or Agent:  Title: Operations Manager