

For KCC Use: 9-10-07
 Effective Date: 3
 District # 3
 SGA? Yes No

**KANSAS CORPORATION COMMISSION
 OIL & GAS CONSERVATION DIVISION
 NOTICE OF INTENT TO DRILL**

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

Must be approved by KCC five (5) days prior to commencing well

Expected Spud Date 9-17-07
 month day year

OPERATOR: License# 33233 ✓
 Name: Heartland Oil and Gas Corporation
 Address: 1610 Industrial Park Drive
 City/State/Zip: Paola, KS 66071
 Contact Person: James Harmon
 Phone: 913-294-1400

CONTRACTOR: License# 33972 ✓
 Name: Aztec Well Services, Inc.

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"/> 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"/> Pool Ext.	<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 East West
 NE NE SE Sec. 01 Twp. 18S S. R. 23
2246 feet from NE Line of Section
626 414 feet from E Line of Section
 Is SECTION Regular Irregular?

(Note: Locate well on the Section Plat on reverse side)
 County: Miami
 Lease Name: Prothe Well #: 43-1
 Field Name: Jake
 Is this a Prorated / Spaced Field? Yes No
 Target Formation(s): Coal/Shale
 Nearest Lease or unit boundary: 626' 414'
 Ground Surface Elevation: 889' 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: 200'
 Depth to bottom of usable water: 200'
 Surface Pipe by Alternate: 1 2
 Length of Surface Pipe Planned to be set: 20'
 Length of Conductor Pipe required: NA
 Projected Total Depth: 990' Max
 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: Not at this time

AFFIDAVIT

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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: 8-31-07 Signature of Operator or Agent: James Harmon Title: Maintenance Superintendent

For KCC Use ONLY
 API # 15 - 121-28494-0000
 Conductor pipe required None feet
 Minimum surface pipe required 20 feet per Alt. **XO2**
 Approved by: 121-9-507
 This authorization expires: 3-5-08
 (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: _____

1
18
23W

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 - 121-28494-0000
 Operator: Heartland Oil and Gas Corporation
 Lease: Prothe
 Well Number: 43-1
 Field: Jake
 Number of Acres attributable to well: 80 acre spacing
 QTR / QTR / QTR of acreage: NE - NE - SE

Location of Well: County: Miami
2246 feet from N / S Line of Section
626 4/4 feet from E / W Line of Section
 Sec. 01 Twp. 18S S. R. 23 East West

Is Section: Regular or Irregular

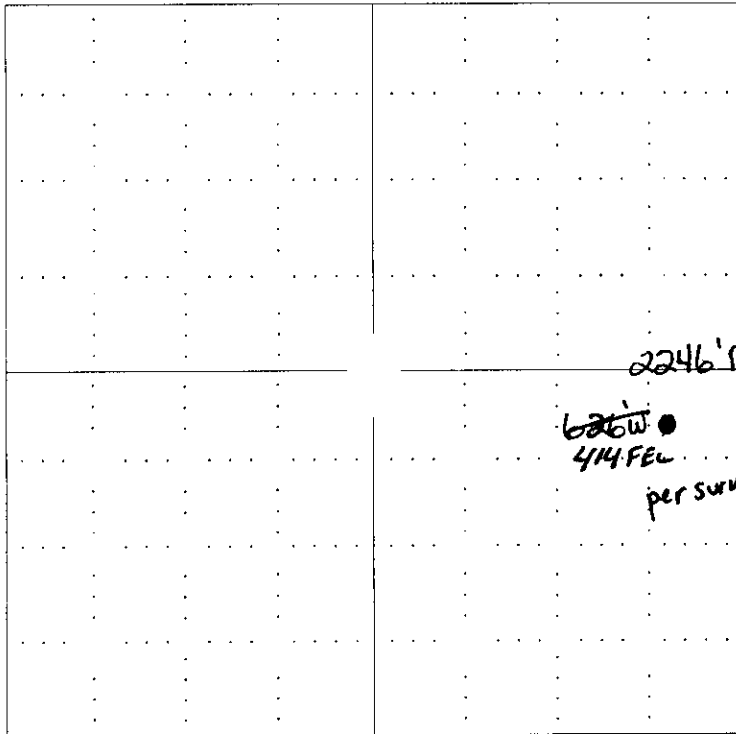
If Section is Irregular, locate well from nearest corner boundary.

Section corner used: NE NW SE SW

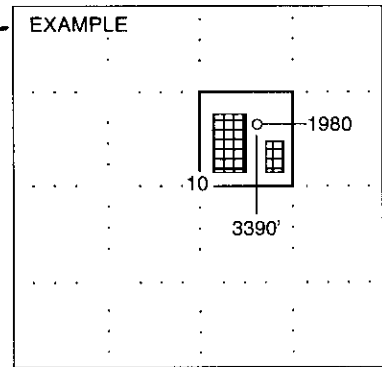
PLAT

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

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



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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).

FAX NO. : AUGUST 23, 2007

Aug. 31 2007 01:06PM P7

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WICHITA, KS

15-121-28494-000

LEASE NAME: PROTHE 43-1

SECTION 1, TOWNSHIP 18 SOUTH, RANGE 23 EAST OF THE
SIXTH PRINCIPAL MERIDIAN, MIAMI COUNTY, KANSAS.

NOTES:

THIS SURVEY DOES NOT CERTIFY OWNERSHIP
ALL DISTANCE SHOWN ARE MEASURED UNLESS OTHERWISE NOTED.

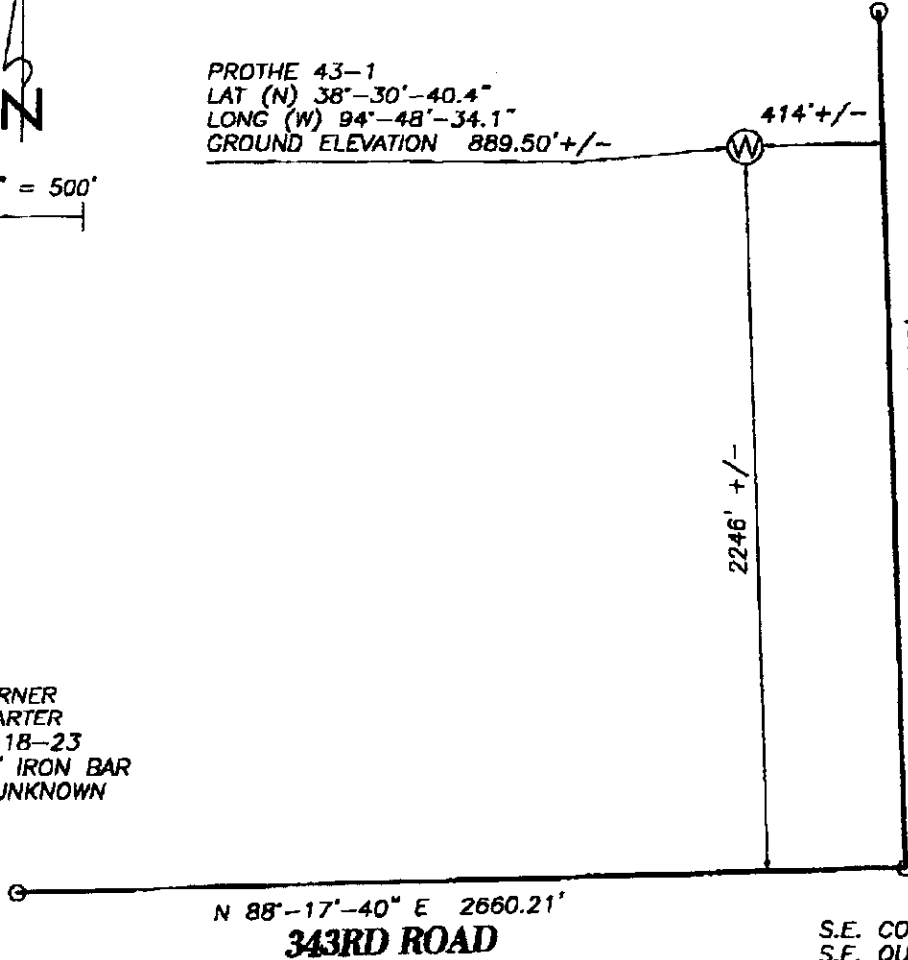
N.E. CORNER
S.E. QUARTER
SEC. 1-18-23
FD 1/2" IRON BAR
ORIGIN UNKNOWN

PROTHE 43-1
LAT (N) 38°-30'-40.4"
LONG (W) 94°-48'-34.1"
GROUND ELEVATION 889.50'+/-



Scale: 1" = 500'

S.W. CORNER
S.E. QUARTER
SEC. 1-18-23
FD 1/2" IRON BAR
ORIGIN UNKNOWN



S.E. CORNER
S.E. QUARTER
SEC. 1-18-23
FD 1/2" IRON BAR
ORIGIN UNKNOWN

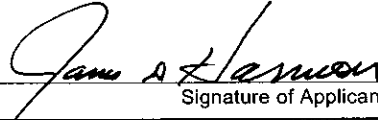
I Bryon K. Cates—Registered Land Surveyor do hereby
certify that this plat represents the true and accurate
results of a survey conducted on the ground under my
direct supervision AUGUST 23, 2007.

Bryon K. Cates, RLS-1208
AUGUST 23, 2007

**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: Heartland Oil and Gas Corporation		License Number: 33233
Operator Address: 1610 Industrial Park Drive Paola, KS 66071		
Contact Person: James Harmon		Phone Number: (913) 294 - 1400
Lease Name & Well No.: Prothe 43-1		Pit Location (QQQQ): NE NE SE
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: 400 (bbls)	Sec. 01 Twp. 18S R. 23 <input checked="" type="checkbox"/> East <input type="checkbox"/> West 2246 Feet from <input checked="" type="checkbox"/> North / <input checked="" type="checkbox"/> South Line of Section 626 414 Feet from <input checked="" type="checkbox"/> East / <input checked="" type="checkbox"/> West Line of Section Miami 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?
Pit dimensions (all but working pits): 40 Length (feet) 12 Width (feet) N/A: Steel Pits Depth from ground level to deepest point: 6 (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 4069 feet Depth of water well 140 feet		Depth to shallowest fresh water 18 feet. Source of information: _____ measured _____ well owner _____ 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: Farm pond water Number of working pits to be utilized: 2 with a crossover Abandonment procedure: Remove water to nearest disposal well and doze pits in. Also reseed area. 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: 8-31-07		Signature of Applicant or Agent: 

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WICHITA, KS

5-121-28494-000

KCC OFFICE USE ONLY

Date Received: **9/4/07** Permit Number: _____ Permit Date: **9/4/07** Lease Inspection: Yes No

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