

For KCC Use: **9-1408**  
Effective Date: **2**  
District #: **2**  
SGA? ☒ Yes ☐ No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form C-1  
October 2007  
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

Expected Spud Date: **9** month **9** day **2008** year

OPERATOR: License# **3911** ✓  
Name: **Rama Operating Co., Inc.**  
Address 1: **P.O. Box 159**  
Address 2:  
City: **Stafford** State: **KS** Zip: **67578** +  
Contact Person: **Robin L. Austin**  
Phone: **620-234-5191**  
CONTRACTOR: License# **5142** ✓  
Name: **Sterling Drilling Company**

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

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 Description: C Ne Sw SW Sec. 30 Twp. 19 S. R. 10 ☐ E ☒ W  
(0000) 990 feet from ☐ N ☒ S Line of Section  
990 feet from ☐ E ☒ W Line of Section

Is SECTION: ☒ Regular ☐ Irregular?

(Note: Locate well on the Section Plat on reverse side)

County: **Rice**

Lease Name: **Knop** Well #: **5-30**

Field Name: **Chase-Silica**

Is this a Prorated / Spaced Field? ☐ Yes ☒ No

Target Formation(s): **Arbuckle**

Nearest Lease or unit boundary line (in footage): **990**

Ground Surface Elevation: **1764** 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: **100**

Depth to bottom of usable water: **280**

Surface Pipe by Alternate: ☒ I ☐ II

Length of Surface Pipe Planned to be set: **320**

Length of Conductor Pipe (if any): \_\_\_\_\_

Projected Total Depth: **3450**

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: \_\_\_\_\_

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 correct to the best of my knowledge and belief.

Date: **8-22-08** Signature of Operator or Agent: **[Signature]** Title: **V.P.**

For KCC Use ONLY

API # 15 - **159-22586-0000**  
Conductor pipe required **None** feet  
Minimum surface pipe required **300** feet per ALT. ☒ I ☐ II  
Approved by: **[Signature]** **9-9-08**  
This authorization expires: **9-9-09**  
(This authorization void if drilling not started within 12 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 (within 60 days);
- 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 Date: \_\_\_\_\_  
Signature of Operator or Agent: \_\_\_\_\_

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

RECEIVED  
KANSAS CORPORATION COMMISSION

AUG 25 2008

CONSERVATION DIVISION  
WICHITA, KS

30 19 10 ☐ E ☒ W

**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 - 159-22586-0000Operator: Rama Operating Co., Inc.Lease: KnopWell Number: 5-30Field: Chase-SilicaNumber of Acres attributable to well: 160QTR/QTR/QTR/QTR of acreage: C - Ne - Sw - SWLocation of Well: County: Rice990

feet from

☐ N

/

☒ S

Line of Section

990

feet from

☐ E

/

☒ W

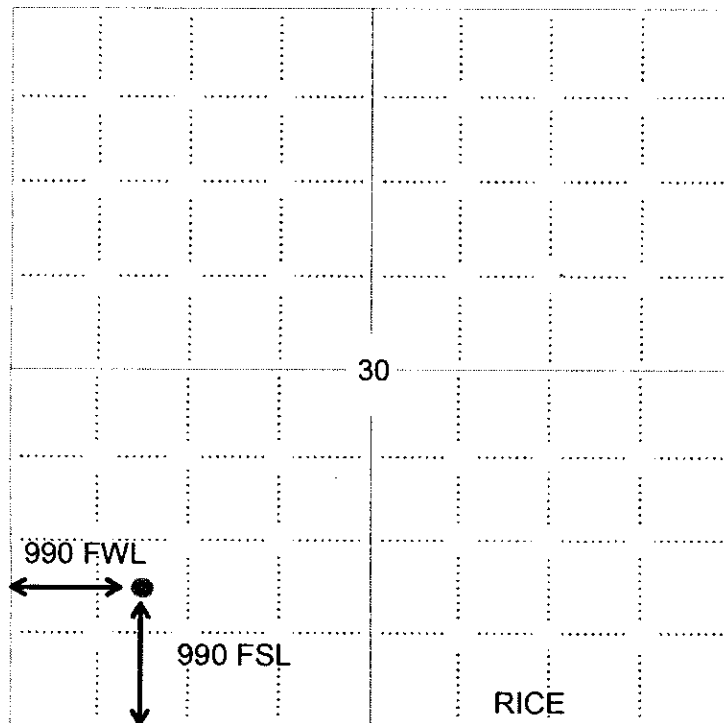
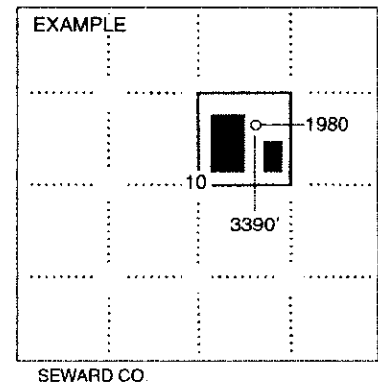
Line of Section

Sec. 30Twp. 19S. R. 10☐ E

/

☒ WIs 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.****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).

**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: <b>Rama Operating Co., Inc.</b>		License Number: <b>3911</b>	
Operator Address: <b>P.O. Box 159</b>		<b>Stafford KS 67578</b>	
Contact Person: <b>Robin L. Austin</b>		Phone Number: <b>620-234-5191</b>	
Lease Name & Well No.: <b>Knop 5-30</b>		Pit Location (QQQQ): <b>C NE SW SW</b> Sec. <b>30</b> Twp. <b>19</b> R. <b>10</b> <input type="checkbox"/> East <input checked="" type="checkbox"/> West <b>990</b> Feet from <input type="checkbox"/> North / <input checked="" type="checkbox"/> South Line of Section <b>990</b> Feet from <input type="checkbox"/> East / <input checked="" type="checkbox"/> West Line of Section <b>Rice</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>4,100</b> (bbls)	
Is the pit located in a Sensitive Ground Water Area? <input checked="" type="checkbox"/> Yes <input 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 Mud</b>	
Pit dimensions (all but working pits): <b>100</b> Length (feet) <b>80</b> Width (feet) <input type="checkbox"/> N/A: Steel Pits Depth from ground level to deepest point: <b>3 1/2</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>100</b> <b>475</b> feet    Depth of water well <b>50</b> <b>60</b> feet		Depth to shallowest fresh water <b>18</b> 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: <b>Fresh Water Mud</b> Number of working pits to be utilized: <b>3</b> Abandonment procedure: <b>Backfill when dry</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. <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div> <b>8-22-08</b> Date         </div> <div style="text-align: center;">             Signature of Applicant or Agent         </div> <div style="text-align: right;"> <b>RECEIVED</b>  <b>KANSAS CORPORATION COMMISSION</b>  <b>AUG 25 2008</b>            CONSERVATION DIVISION            WICHITA, KS         </div> </div>			

<b>KCC OFFICE USE ONLY</b>		Steel Pit <input checked="" type="checkbox"/> RFAC <input checked="" type="checkbox"/> RFAS <input type="checkbox"/>
Date Received: <b>8/25/08</b>	Permit Number: _____	Permit Date: <b>9/8/08</b> Lease Inspection: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

15-159-22586-0000



Kathleen Sebelius, Governor  
Thomas E. Wright, Chairman  
Michael C. Moffet, Commissioner  
Joseph F. Harkins, Commissioner

October 2, 2008

Robin Austin  
Rama Operating Co., Inc.  
PO Box 159  
Stafford KS 67578

Re: Drilling Pit Application  
Knop Lease Well No. 5-30  
SW/4 30-19S-10W  
Rice County, Kansas

Dear Mr. Austin:

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 to a **depth not to exceed 18"** and the free fluids must be removed. The fluids are to be removed from the reserve pit as soon as the Hutchinson Salt section has been drilled through and displacement of the fluids into the reserve pit has occurred. The fluids should be removed again within 72 hours 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 (316) 630-4000 when the fluids have been removed. Form CDP-5 (August 2004), Exploration and Production Waste Transfer, must be filed within 30 days of fluid removal. Conservation division forms are available through our office and on the KCC web site: <http://kcc.ks.gov/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,

Jonelle Rains, Supervisor  
Department of Environmental Protection and Remediation

cc: Jeff Klock  
File



*Kathleen Sebelius, Governor  
Thomas E. Wright, Chairman  
Michael C. Moffet, Commissioner  
Joseph F. Harkins, Commissioner*

September 8, 2008

Rama Operating Co., Inc.  
PO Box 159  
Stafford, KS 67578

RE: Drilling Pit Application  
Knop Lease Well No. 5-30  
SW/4 Sec. 30-19S-10W  
Rice County, Kansas

Dear Sir or Madam:

District staff has inspected the location and has determined that an unsealed condition will present a pollution threat to water resources.

District staff has instructed that no earthen pits are to be used at the location. Steel pits are to be used. Please inform the Commission in writing as to which disposal well you will utilize to dispose of the contents in the steel pits and the amount of fluid that will be disposed. **If a haul-off pit is necessary please file, form CDP-1, Application for Surface Pit.** This location will have to be inspected prior to approval of the haul-off pit application.

If fluids are taken to an authorized disposal well, please call the District Office at (620) 225-8888. Please file form CDP-5, 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).

Sincerely,

Kathy Haynes  
Environmental Protection and Remediation Department

Cc: File

CONSERVATION DIVISION

Finney State Office Building, 130 S. Market, Room 2078, Wichita, KS 67202-3802  
(316) 337-6200 • Fax: (316) 337-6211 • <http://kcc.ks.gov/>

**HAUL-OFF PIT APPLICATION  
FILING REQUIREMENTS**

**82-3-607. DISPOSAL OF DIKE AND PIT CONTENTS.**

- (a) Each operator shall perform one of the following when disposing of dike or pit contents:
- (1) Remove the liquid contents to a disposal well or other oil and gas operation approved by the commission or to road maintenance or construction locations approved by the department;
  - (2) dispose of reserve pit waste down the annular space of a well completed according to the alternate I requirements of K.A.R. 82-3-106, if the waste to be disposed of was generated during the drilling and completion of the well; or
  - (3) dispose of the remaining solid contents in any manner required by the commission. The requirements may include any of the following:
    - (A) Burial in place, in accordance with the grading and restoration requirements in K.A.R. 82-3-602 (f);
    - (B) removal and placement of the contents in an on-site disposal area approved by the commission;
    - (C) removal and placement of the contents in an off-site disposal area on acreage owned by the same landowner or to another producing lease or unit operated by the same operator, if prior written permission from the landowner has been obtained; or
    - (D) removal of the contents to a permitted off-site disposal area approved by the department.
- (b) Each violation of this regulation shall be punishable by the following:
- (1) A \$1,000 penalty for the first violation;
  - (2) a \$2,500 penalty for the second violation; and
  - (3) a \$5,000 penalty and an operator license review for the third violation.

**Complete and return with Haul-Off Pit Application, Form CDP1(2004)**

Haul-off pit will be located in an on-site disposal area: Yes ☐ No ☐

Haul-off pit is located in an off-site disposal area on acreage owned by the same landowner: Yes ☐  
No ☐ If yes, written permission from the landowner must be obtained. Attach written permission to haul-off pit application.

Haul-off pit is located in an off-site disposal area on another **producing** lease or unit operated by the same operator: Yes ☐ No ☐ If yes, written permission from the landowner must be obtained. Attach permission and a copy of the lease assignment that covers the acreage where the haul-off pit is to be located, to the haul-off pit application.