

For KCC Use: 12-11-2011
Effective Date: 2
District # 2
SGA? Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

**X Gas Storage Area-
Blowout Preventer Required**

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: 01/02/2012
month day year

OPERATOR: License# 32119
Name: Northern Natural Gas
Address 1: 1111 South 103rd Street
Address 2: _____
City: Omaha State: NE Zip: 68124
Contact Person: Michael Loeffler
Phone: (402) 398-7103

CONTRACTOR: License# 34541
Name: Ninnescah Drilling, LLC

Well Drilled For: Oil Gas Enh Rec Storage Disposal Seismic Other: Water Supply
Well Class: Infield Pool Ext. Wildcat Other
Type Equipment: Mud Rotary Air Rotary Cable

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 Description: _____
SW - SW - SW - Sec. 31 Twp. 26 S. R. 10 E W
(0/0/0/0) 138 feet from N / S Line of Section
373 feet from E / W Line of Section
Is SECTION: Regular Irregular?

(Note: Locate well on the Section Plat on reverse side)
County: Reno
Lease Name: NNG WWW Well #: 1
Field Name: None
Is this a Prorated / Spaced Field? Yes No
Target Formation(s): Arbuckle
Nearest Lease or unit boundary line (in footage): 138'
Ground Surface Elevation: 1758.5 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' / 155'
Depth to bottom of usable water: 180' / 155'
Surface Pipe by Alternate: 175 min
Length of Surface Pipe Planned to be set: 13 5/8" @ 135' & 9 5/8" @ 180'
Length of Conductor Pipe (if any): 40'
Projected Total Depth: 4725
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: _____

**X Gas Storage Area-
Blowout Preventer Required**

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: 11/30/2011 Signature of Operator or Agent: Jason Goss Title: Agent, Engineer (405) 830-8365

For KCC Use ONLY
API # 15 - 155-2158000-00
Conductor pipe required None feet
Minimum surface pipe required 175 feet per ALT. I II
Approved by: KW 12-6-2011
This authorization expires: 12-6-2012
(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

31
26
10
 E
 W

For KCC Use ONLY

API # 15 - 1562158000-00

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: Northern Natural Gas
Lease: NNG WWW
Well Number: 1
Field: None

Location of Well: County: Reno
138 feet from N / S Line of Section
373 feet from E / W Line of Section
Sec. 31 Twp. 26 S. R. 10 E W

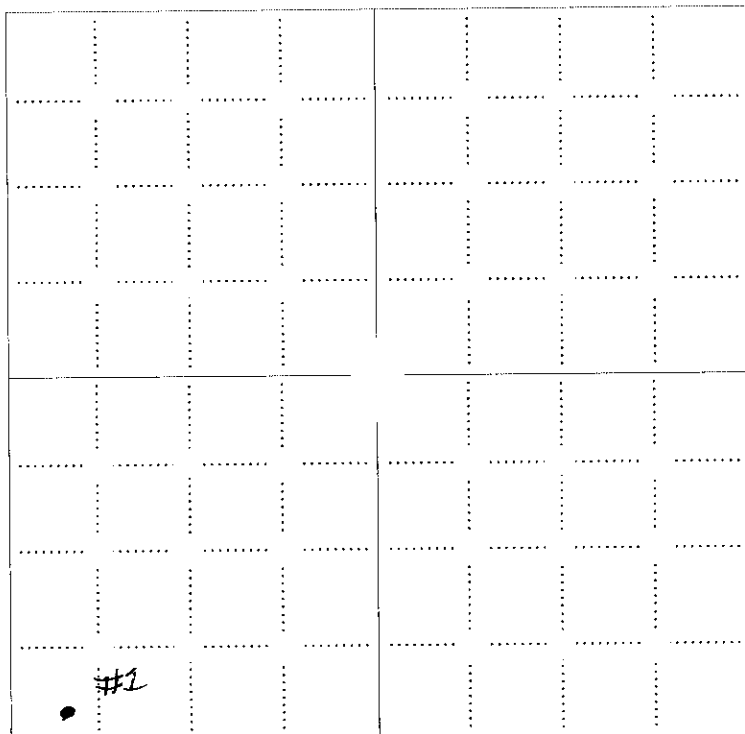
Number of Acres attributable to well: 160
QTR/QTR/QTR/QTR of acreage: SW - SW - SW -

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.

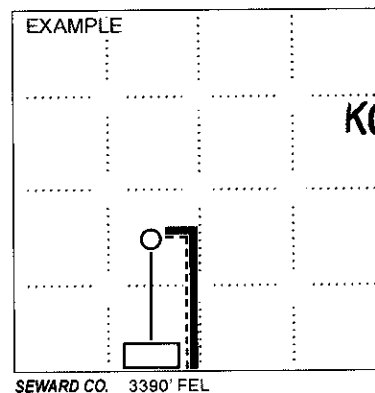


138' FSL

NOTE: In all cases locate the spot of the proposed drilling location.
373' FSL

LEGEND

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



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1980' FSL

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.

15-158-21580000

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 # 32119
Name: Northern Natural Gas
Address 1: 1111 South 103rd Street
Address 2: _____
City: Omaha State: NE Zip: 68124 + _____
Contact Person: Michael Loeffler
Phone: (402) 398-7103 Fax: (_____) _____
Email Address: michael.loeffler@nngco.com

Well Location:
SW SW SW SW Sec. 31 Twp. 26 S. R. 10 East West
County: Reno
Lease Name: NNG WWW 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: Northern Natural Gas
Address 1: 1111 South 103rd Street
Address 2: _____
City: Omaha State: NE Zip: 68124 + _____

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: 11/30/2011 Signature of Operator or Agent: [Signature] (405) 830-836 Title: Agent, Engineer


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

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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: Northern Natural Gas		License Number: 32119
Operator Address: 1111 South 103rd Street		Omaha NE 68124
Contact Person: Michael Loeffler		Phone Number: (402) 398-7103
Lease Name & Well No.: NNG WWW 1		Pit Location (QQQQ): SW SW SW
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 checked="" type="checkbox"/> Haul-Off Pit <small>(If WP Supply API No. or Year Drilled)</small> Steel Hauloff pits _____	Pit is: <input type="checkbox"/> Proposed <input type="checkbox"/> Existing If Existing, date constructed: _____ Pit capacity: _____ (bbls)	Sec. 31 Twp. 26 R. 10 <input type="checkbox"/> East <input checked="" type="checkbox"/> West 138 Feet from <input type="checkbox"/> North / <input checked="" type="checkbox"/> South Line of Section 373 Feet from <input type="checkbox"/> East / <input checked="" type="checkbox"/> West Line of Section Reno _____ County
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 type="checkbox"/> Yes <input type="checkbox"/> No	Artificial Liner? <input type="checkbox"/> Yes <input type="checkbox"/> No	How is the pit lined if a plastic liner is not used?
Pit dimensions (all but working pits): _____ Length (feet) _____ Width (feet) Depth from ground level to deepest point: _____ (feet)		<input checked="" type="checkbox"/> N/A: Steel Pits <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: _____ 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"/> KDV
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: _____ Number of working pits to be utilized: _____ Abandonment procedure: _____ 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>12-1-11</u> Date	 Jason Goss (405) 830-8365 Signature of Applicant or Agent	

15-155-21580-0000

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KCC OFFICE USE ONLY			
Date Received: <u>12-5-11</u>	Permit Number: _____	Permit Date: <u>12-5-11</u>	Lease Inspection: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		<input type="checkbox"/> Liner <input checked="" type="checkbox"/> Steel Pit <input checked="" type="checkbox"/> RFAC <input type="checkbox"/> RFAS	

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

December 6, 2011

Northern Natural Gas
1111 South 103rd St
Omaha, NE 68124

RE: Drilling Pit Application
NNG WWW Lease Well No. 1
SW/4 Sec. 31-26S-10W
Reno County, Kansas

According to the drilling pit application referenced above, no earthen pits will be used at this location. Steel pits will be used. Please inform the Commission in writing as to which disposal well you utilized to dispose of the contents in the steel pits and the amount of fluid that was disposed. Please file form CDP-5 (August 2008), Exploration and Production Waste Transfer, within 30 days of fluid removal.

Should a haul-off pit be necessary please file form CDP-1 (May 2010), Application for Surface Pit, This location will have to be inspected prior to approval of the haul-off pit application.

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 District Office at (316) 630-4000.

Kansas Corporation Commission Oil & Gas Conservation Division

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 land owner 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 land owner 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.