

**Gas Storage Area  
Blowout Preventer Required**

For KCC Use:  
Effective Date: 5.9.05  
District # 2  
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 May 1 2005  
month day year

Spot N/2 N/2 N/2 N/2  East  
NW NE Sec. 18 Twp. 27 S. R. 10  West  
123 feet from  N /  S Line of Section  
2,650 feet from  E /  W Line of Section

OPERATOR: License# 32119  
Name: Northern Natural Gas Company  
Address: 1111S. 103rd St.  
City/State/Zip: Omaha, NE 68124  
Contact Person: Michael Loeffler  
Phone: (402) 398-7103

Is SECTION  Regular  Irregular?  
*(Note: Locate well on the Section Plat on reverse side)*  
County: Kingman  
Lease Name: Park Well #: 18-21  
Field Name: Cunningham

CONTRACTOR: License# 5142  
Name: Sterling Drilling Co.

Is this a Prorated / Spaced Field?  Yes  No  
Target Formation(s): Viola and Simpson

Well Drilled For:	Well Class:	Type Equipment:
<input type="checkbox"/> Oil	<input type="checkbox"/> Enh Rec	<input checked="" type="checkbox"/> Infield
<input type="checkbox"/> Gas	<input checked="" type="checkbox"/> Storage	<input type="checkbox"/> Pool Ext.
<input type="checkbox"/> OWWO	<input type="checkbox"/> Disposal	<input type="checkbox"/> Wildcat
<input type="checkbox"/> Seismic; # of Holes	<input type="checkbox"/> Other	<input type="checkbox"/> Cable
<input checked="" type="checkbox"/> Other Observation Well		

Nearest Lease or unit boundary: 50  
Ground Surface Elevation: 1782 feet MSL  
Water well within one-quarter mile:  Yes  No  
Public water supply well within one mile:  Yes  No

If OWWO: old well information as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Completion Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Depth to bottom of fresh water: ~~480~~ 200  
Depth to bottom of usable water: ~~200~~ 230  
Surface Pipe by Alternate:  1  2  
Length of Surface Pipe Planned to be set: 1,500  
Length of Conductor Pipe required: 200  
Projected Total Depth: 4,500  
Formation at Total Depth: Arbuckle

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

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: \_\_\_\_\_

\* Gas Storage Area  
Blow-out 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:

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**MAY 02 2005**  
**CONSERVATION DIVISION**  
**WICHITA, KS**

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: 4/29/05 Signature of Operator or Agent: Michael J Loeffler Title: Dir of Certificates

\* Drilling & Completion  
Plan Received by KCC

<b>For KCC Use ONLY</b>	
API # 15 -	<u>095 - 21963.00.00</u>
Conductor pipe required	<u>NONE</u> feet
Minimum surface pipe required	<u>250</u> feet per Alt. ①
Approved by:	<u>RJPS-4.05</u>
This authorization expires:	<u>11.4.05</u>
<i>(This authorization void if drilling not started within 6 months of effective date.)</i>	
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: \_\_\_\_\_

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

18 27 10W

**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 - \_\_\_\_\_  
 Operator: Northern Natural Gas Company \_\_\_\_\_  
 Lease: Park \_\_\_\_\_  
 Well Number: 18-21 \_\_\_\_\_  
 Field: Cunningham \_\_\_\_\_

Number of Acres attributable to well: \_\_\_\_\_  
 QTR / QTR / QTR of acreage: NW - NW - NE  
   N/2 N/2 N/2

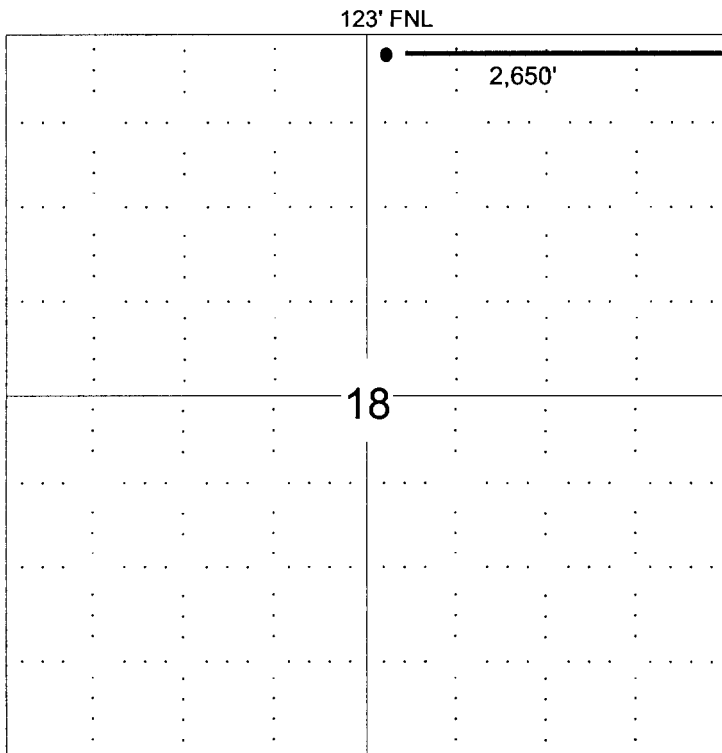
Location of Well: County: Kingman \_\_\_\_\_  
   123 feet from  N /  S Line of Section  
   2,650 feet from  E /  W Line of Section  
 Sec. 18 Twp. 27 S. R. 10  East  West

Is Section:  Regular or  Irregular

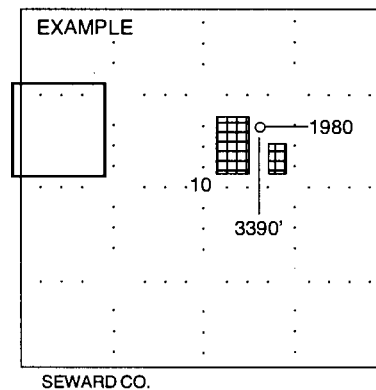
If Section is Irregular, locate well from nearest corner boundary.  
 Section corner used:  NE  NW  SE  SW

**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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**WICHITA, KS**



**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 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).

# KANSAS

CORPORATION COMMISSION

KATHLEEN SEBELIUS, GOVERNOR  
BRIAN J. MOLINE, CHAIR  
ROBERT E. KREHBIEL, COMMISSIONER  
MICHAEL C. MOFFET, COMMISSIONER

May 2, 2005

Mr. Michael Loeffler  
Northern Natural Gas Co.  
1111 South 103<sup>rd</sup> St  
Omaha, NE 68013

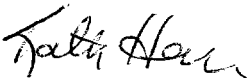
RE: Drilling Pit Application  
Park Lease Well No. 18-21  
NE/4 Sec. 18-27S-10W  
Kingman County, Kansas

Dear Mr. Loeffler:

This office has been informed that steel pits are to be used at this location. 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 which will be disposed.

Should a haul-off pit be necessary, please complete the enclosed CDP-1. This location will have to be inspected prior to approval of the haul-off pit application.

Sincerely,



Kathy Haynes  
Environmental Protection and Remediation Department

cc: D Louis