* GAS Storage Drea B.O.P. REQUIRED *

Blowout Preventer Required

For KCC Use: 10-15-05 Effective Date: District #_______SGA? X 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

Expected Spud Date October 20 2005 Spot	Must be approved by KCC five	(5) days prior to commencing well All blanks must be Filled
September Sylic State manth day year September Sylic State Septemb	October 20 2005	_
OPERATOR: Licenses 22119 Name. Northern Natural Gas Company Acres: 11115. ISOrd St. Northern Natural Gas Company Acres: 1115. ISOrd St.	Expected Spud Date	
Address: 1115 103rd 151		
Mark	OPERATOR: License# 32119	leet from N / V 3 Elife of Section
Contact Person, Michieal Loenflier SEP 2 3 2005	Name: Notitien Natural Gas Company 1111 S. 103rd St. KCC	
Contact Person, Michael Leeffer SEP 2 3 2006 CONTRACTOR: Licenses 5142 Name: Sterling Drilling Co. Well Drilled For: Well Sterling Drilling Co. Air Rotary Own Disposal Wildeat Other Other Other Other Other Other Official Total Depth: Original Total Depth: Drilled Mame: Original Completion Date: Original Total Depth: Drilling Plub recipied of Drilling Coperations: Well Mame: Original Completion Date: Original Total Depth: Drilling Plub recipied Total Depth: Well States Well States States Original Total Depth: Well States Well States States Original Total Depth: Drilling Plub recipied Total Depth: Well States Well States States States Well Farm Pool Other Well States Well States Well Farm Pool Other Well Farm Pool Other Well Cores be taken? If is a gread that the following minimum requirements will be may be stated 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. If the well sky hole, an agreement between the operation and the district office on plus in springer states of the spot of the spot on the states of the spot on the states of the spot on the well shall be posted on each drilling fig. It is a great that the following minimum requirements will be well as the district office on plus length and placement is necessary prior to plugging; If is a great that the following minimum requirement will be well as the district office on plug length and placement is necessary prior to plugging; If it is a ALTERNATE it COMPLETION, production pipe shall be exercised from below any usable were well-in 120 degree of spud date. File Drill P Application (from CDP-1) with litent to Drill. File acreage attribution pata according to field proration order of pound date		· · · · · · · · · · · · · · · · · · ·
Phone: (402) 398-7103 CONTRACTOR: Licenses 5142 Well Drilling Co. Well Drilling Co. Well Drilling Co. Well Drilling Co. Sas Storage Pool Ext. Air Rotary Other Oth	Contact Person Michael Loeffier SFP 2 > 00	(Note: Locale well on the Section Plat on reverse side)
Selecting Drilling Co		
Name: Sterling Onlining Co. Well Drilled For: Well Class: Type Equipment:	V	
Well Drilled For Well Class: Type Equipment: Noisearet Lase or (mill) boundary: 1765-17- feet MSL Ground Surface Elevation: 1723 lipos feet MSL Water Value feet MSL	CONTRACTOR: License# 5142 WICHITA, KS	
Sound Surface Elevation: 1723 foop feet MSL Mud Rotary Mud Rot	Name: Starting Entitling St.	Target Formation(s): Viola and Simpson
Waler well within one-quarter mile: Yes No No No No No No No N	Well Drilled For: Well Class: Type Equipment:	
Gas Storage Pool Ext Air Fotory Other Othe	Oll » Enh Rec 🗸 Infield 📝 Mud Rotary	
Depth to bottom of tresh water: 180 Depth to bottom of usable water: 200 Depth to bottom of usable water: 200 Surface Pipe by Alternate:	Gas Storage Pool Ext. Air Rotary	
Seismic;		
Surface Pipe by Alternate: 1 2 2 Length of Surface Pipe Planned to be set: 1500		
Comparator: Well Name: Original Total Depth: Solution Projected Total Depth: 4500 Promation at Total Depth 4500 Promation at Total Depth 4500 Promatical Depth 4500 Promatical Depth 4500 Promatical Depth 4500 Pr		Surface Pipe by Alternate: ✓ 1 2
Projected Total Depth: Affound	If OWWO: old well information as follows:	Length of Surface Pipe Planned to be set: 1500
Original Completion Date:Original Total Depth:Formation at Total Depth:Artuckie	Operator:	
Directional, Deviated or Horizontal wellbore? Yes No No If Yes, true vertical depth:		
If Yes, true vertical depth:	Original Completion Date:Original Total Depth:	
If Yes, true vertical depth:	Directional, Deviated or Horizontal wellbore?	
Bottom Hole Location:	If Yes, true vertical depth:	
## 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 elther plugged or production casing is cemented in; 0. If an ALTERNATE II COMPLETION, production pipe shall be cemented from below any useb water to surface within 120 days of spud date. 0. Or pursuant to Appendix "9" - Eastern Kansas surface casing order #133,991-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 knoyledge and belief. Date: 910	Bottom Hole Location:	
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For KCC Use ONLY API # 15 - O9S - 21 999 . 08 00 Conductor pipe required NoNE feet Minimum surface pipe required feet per Alt. 1 Approved by: RSC 10 = 10 - 05 This authorization vold if drilling not started within 6 months of effective date.) Spud date: Agent: Date: Date: Title Number to: File Completion (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: Date:	 A copy of the approved notice of intent to drill shall be posted on ear The minimum amount of surface pipe as specified below shall be set through all unconsolidated materials plus a minimum of 20 feet into the set of the well is dry hole, an agreement between the operator and the construction of the set of the se	ch drilling rig; If by circulating cement to the top; in all cases surface pipe shall be set the underlying formation. Ilistrict office on plug length and placement is necessary prior to plugging; typed or production casing is cemented in; the deform below any usable water to surface within 120 days of spud date. #193,891-C, which applies to the KCC District 3 area, alternate II cementing
For KCC Use ONLY API # 15 - O9S - 21 999 .08 -: 00 Conductor pipe required NoNE feet feet Minimum surface pipe required 200 feet per Alt. 1 Approved by: RSC 10 - 10 - 05 This authorization void if drilling not started within 6 months of effective date.) Spud date: Agent: Price of 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:	. / . /	
For KCC Use ONLY API # 15 - 095 - 21999.0800 Conductor pipe required	Date: 9205 Signature of Operator or Agent: Mukeu	Tayou Tilled of Certificates
API # 15 - O9S - 21 999 .0800 Conductor pipe required NoNE feet Minimum surface pipe required 200 feet per Alt. 1 Approved by: R5110-10-05 This authorization expires: 4-10-06 (This authorization void if drilling not started within 6 months of effective date.) Spud date: Agent:		
Conductor pipe required	FOR KCC Use ONLY 095-21999 08-05	
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This authorization expires: 4-10-06 (This authorization void if drilling not started within 6 months of effective date.) Spud date:Agent:	This is a second of the second	
(This authorization void if drilling not started within 6 months of effective date.) Spud date: Agent: Date:		If this posmit has expired (Construction details along
Spud date: Agent: Signature of Operator or Agent: Date:		
Date:	This admonization vote it uniting the statted within a months of elective date.	Well Not Drilled - Permit Expired
	Spud date:Agent:	
	Mell Act 1/20 October District	C

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	Location of Well: County: Kingman
Operator: Northern Natural Gas Company	3135 +/- feet from N / ✓ S Line of Section
Lease: Glenn	3135 +/- feet from N / S Line of Section 628 +/- feet from E / W Line of Section
Well Number: 19-14	Sec. 19 Twp. 27S S. R. 10 East ✓ West
Field: Cunningham	
Number of Acres attributable to well:	Is Section: 📝 Regular or 🗌 Irregular
QTR / QTR / QTR of acreage: S/2 - SW - NW	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.)

628 EXAMPLE 1980 3/35		KCEREULIVED SED
3/35	628 ©	SEP 23 2005 WICHITA, KS
3390 .		1980
		: :

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

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

- 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.
- If proposed location is located within a prorated or spaced field a certificate of acreage attribution plat must be attached: (C0-7 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

October 10, 2005

Mr. Michael Loeffler Northern Natural Gas Company 1111 S. 103rd St. Omaha, NE 68124

Re: Drilling Pit Application

Glenn Lease Well No. 19-14 NW/4 Sec. 19-27S-10W Kingman County, Kansas

Dear Mr. Loeffler:

This office has been informed that steel pits are to be used at the above referenced location. 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 (316) 630-4000. 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.

Sincerely,

Kathy Haynes

Environmental Protection and Remediation Department

Cc: D Louis