FOR KCC USE:		_			FORM CB-1 12/93
	5.2.0	5			FORM MUST BE TYPED
EFFECTIVE DATE:		State of	f Kansas	NOI E THIENT	FORM MUST BE SIGNED
DISTRICT #U SGA?Yes\scrib		CATHODIC PROTECT be approved by the K.C.C. s			ALL BLANKS MUST BE FILLED IN
SUA?185	<u>s</u> must b	be approved by the k.c.c. s		Spot (Location) 9/9/9	East
Expected Soud (Sta	arting) Date	5-16-05	NE	SESE NE Sec 4	20. Twp 31S s, Rg 31W X West
	mc	onth day year	,,	2063.' feet	from South / North line of Section
OPERATOR: License	<b>3</b> 2119				from East)/ West line of Section
					m nearest outside corner boundarys)
Name:No	orthern Nati	ural Gas Go	••	IS SECTION REGULAR	IRREGULAR?
Address:T	111 South I	ural Gas Go			tion Plat on Reverse Side)
City/State/Zip:	Omaha,NE	680.13	••	County:Seware	1
	D 1				2
Contact Person:	Duane Mood	у	••	Lease Name: . 14CORS.	
	402-398-78	43		T	L . 11 #2
Phone:	. 402 330 70	<del>4.3</del> <i>y</i>	••	Facility Name: Jaco	DDSWell.#4
				GroundSurfaceElevation	:
CONTRACTOR: Licer				Depth to Bedrock	
CONTRACTOR: Licer	nse #:		••		TER INFORMATION:
Nama. N	McLeans CP I	Installation, Inc.			X. None Single Multiple
name			•	Depth to bottom of fres	h water: 180/ 600
Type Drilling Ed	auipment:	.x Mud Rotary Cab	ole	Depth to bottom of usab	le water:
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	Air Rotary Oth			quarter mile: yes no
CONSTR	UCTION FEATURES			Public water supply wel	l within one mile: yes 🛪 no
Length of Cathod	ic Surface (Non-N			Water Source for Drill	ing Operations:
Planned to be :	set:	20.' ft	:.	well fa	rm pond stream X other
Length of Conduct	tor pipe (if any?	?): <b>N().Ņ.Ç.</b> ft	•		• • • • • • • • • • • • • • • • • • • •
17 1/2"	' - 20' 10	0" - 140'			
Size of the bore	hole (I.D.):>				
					o (SDR) is =26
	-	zers set at depths of: 20	-	(cathodic surface DD cs	g.in inches / MWT in inches = SDR)
; ; .	; ;	. ; ; ;;	••;	Appular coaca batusan b	porehole and casing will be grouted
Cathodic surface	casing will term	minate et:		with: Concrete	
Above surface	e Surface V	ault X. Below Surface Val	41	Neat ce	
			•		
Pitless casing ac	daptor will be us	sed: Yes No at Depth		Anode vent pipe witt b	e set at: .3 ft. above surface
Anode installation	on depths are:	.148; .139; 130; 12	21;		can
112 . 102 . 1	04 . 95 . 7	6; .67; 58.; 49.;		Anode conductor (backf	ill) material TYPE:\$C2
1.12. ; 10.5 ;	эн. ; дэ. ; .с	u; .pe; zq.; Az.;	- · · · ;	Depth to BASE of Backfi	ll installation material:160
Note: Non-Aquifer Completion	on Max Total Dentl	h = 1/0/31		Depth to TOP of Backfil	ll installation material:30
Total depth of boring must be	a minimum of 20' a	above the top of groundwater.		80 A V 7	D = 160'
Boring total depth must be re-	duced if groundwate	er is encountered.	FFIDVALL	Proc C	p - 100
					ell will comply with K.S.A. 55-101,
et. seq. It is	agreed that the	following minimum requireme	ents wil	l be met:	
1. Notify th	e appropriate di	strict office prior to spu	dding of	and again before pluggi	ng well:
2. A copy of	the approved no	otice of intent to drill sh	all be p	osted on each drilling r	ig;
3. The minim	rum amount of cat	thodic surface casing as sp	ecified	below shall be set by gr	outing to the top. necessary prior to plugging;
5. The appro	poriate district	office will be notified be	for the	l is either plugged or o	asing is grouted in:
6. IN ALL, CA	SES, NOTIFY DIST	TRICT OFFICE PRIOR TO ANY C	EMENTING		
T handby of life	+ 1/2 + 1/2 + 1 + 1	ents made herein are true a		a hast of all knowledge of	and haliaf
	1/15	' /	11/1/	21/ Districted	Des (Pa)
Date:/2.	Signatur.	re of Operator or Agent	S.C.	G WILLIAM	Jitle
/ /		FOR KCC USE:		A14-3	(
	İ	API # 15- 175-2/70	5-0B.	00 /	
		Conductor pipe required	POOF	feet	RECEIVED
		Minimum cathodic surface c	asing re	quired 25 feet	
		•			KĀNSĀŠ CORPORATION COMMISSIO
		This authorization expires	10.5	7.05	APR 2 2 2005
		(This authorization void i 6 months of effective dat		ng not started within	21 1/ 7 5 7003
		Spud date:	Agent	:	ARIGENIATION
	_				ONSERVATION DIVISION
	- File Dr	RED rill Pit Application (form	MEMBER TO CDP-1) W		WICHITA KS
	- File Co	ompletion Form CB-2 within	30 days	of spud date:	
		appropriate district office			
	- Submit	plugging report (CB-4), wit	30 0	min arren bradatua iz ci	onpreteo.

## IN ALL CASES PLOT THE INTENTED WELL ON THE PLAT BELOW

Show the relationship to other wells or facilities proposed to be serviced by the intented cathodic borehole. Please show all the wells, existing cathodic boreholes, pipelines or facilities within 1/2 mile of the proposed borehole.

API NO.	15													
OPERATOR Northern Natrual Gas						LOCATION OF WELL: COUNTY Seward								
LEASE Jacobs					2063' feet from south/north line of section									
WELL NU	MBER _	#2						80'	fee	et from e	ast)/wes	t line of	section	
FACILIT	Y NAME	Ja	cobs	Well	#2		SECT	ION_	20_	TWP31	S	RG31W		
SPOT: O	TR/OTR	OTR/C	TR OF	ACREAG	÷Ε		IS S	ECTIO	<b>v</b>	X REGULA	Ror	IRREGUI	r.ar	
SPOT: QTR/QTR/QTR/QTR OF ACREAGE - SE - SE - NE						IF SECTION IS IRREGULAR, LOCATE WELL FROM NEAREST								
-								ER BO						
						Section corner used: NE NW SE SW								
							PLAT						-	
			(S)	now loc	ation o			catho	dic	borehole	.)			
	(Show	foot										ry line.)		
													RECEIVED	
									7			(A)	SAS CORPORATION COM	AISS
	•	,	•	•	•	•	,	. 1					APR 2 2 2005	
	·			•	•			•					THE IL L. L. LUUJ	
							• • • •	. • • • • • •	92				ONSERVATION DIVISION	
			•			•			00.				WICHITA KS	ti.
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1	L									SEWAR	D CO.			

## 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; and
- 3) the distance to the nearest lease, unit or outside section boundary line.