EFFECTIVE DATE: 7-18-07	State of Kansas		FORM MUST BE SIGNED
DISTRICT #	CATHODIC PROTECTION BORES	IOLE INTENT	ALL BLANKS MUST BE FILLED IN
SGA?Yes.X.No Must	be approved by the K.C.C. sixty (60)	) days prior to commencin	ig well.
Expected Spud (Starting) Date	ugust 14 2007	Spot (Location) 9/9/9 SW. SW. Sec 2 560' foot	East  O. Twp 21. s, Rg 23. X West  from South V North line of Section
OPERATOR: License # . 32119	indicate day year	84'	from East / West line of Section nearest outside corner boundarys)
Name: Northern Natura Address: 9480.West.High	l Gas	IS SECTION X REGULAR	
City/State/Zip: Holcomb.	K\$. 67851	county: Hodgeman	
Contact Person: Monte St	ebens		
Phone: 402-530-6332		Facility Name:796B Ground Surface Elevation:	- Holcomb 2400 MsL.
		' Cathodic Borehole Total D	2400 MSL. Pepth 140 ft. \$50 ft.
CONTRACTOR: License #:473		WATE	ER INFORMATION:
Name: Tyler Water Wel	l, Inc.		None .X. Single Multiple water:
Type Drilling Equipment:	.X. Mud Rotary Cable	Depth to bottom of usable	e water: 42.750
	Air Rotary Other	- Water well within one-qu	uarter mile: yes4,no
CONSTRUCTION FEATURES			within one mile: yes .X. no
Length of Cathodic Surface (Non	-Metallic) Casing 20 /	Water Source for Drillin	
Planned to be set:		ې Well tarm	m pond stream other
Length of Conductor pipe (if an	(?): Italian More	from nearest to	out m. Motort. Journal J
Surface Casing obverse with	9.75 inches	NUR Permit # N/A	own
Size of the borehole (I.D.): Cathodic surface casing size: Cathodic surface casing central	10.0 inches	Standard Dimension Ratio	(SDR) is =21
; ; ; ;			
Cathodic surface casing will te	rminate at: Vault Below Surface Vault	Annular space between bo with: Concrete .X Neat ceme	orehole and casing will be grouted Bentonite Cement ent Bentonite clay
	used: Yes (10) at Depthft.		set at:3. ft. above surface
Anode installation depths are:	50. ; 60. ; 70. ; 80. ;		I amagga SC-3
	30 ,140 ; ; ;		ll) material TYPE: Loresco.SG-2
		Depth to BASE of Backfil Depth to TOP of Backfill	l installation material:
+ Max TO - 140'	AFFIDAVIT		
The undersigned hereby affirms to et. seq. It is agreed that the	hat the drilling, completion and ever e following minimum requirements will	ntual plugging of this well be met:	ll will comply with K.S.A. 55-101,
<ol> <li>A copy of the approved r</li> <li>The minimum amount of ca</li> <li>An agreement between the</li> </ol>	fistrict office prior to spudding of notice of intent to drill shall be puthodic surface casing as specified is operator and the district office of office will be notified before well	ested on each drilling ri below shall be set by gro n plugs and placement is	g; outing to the top. necessary prior to plugging;
6. IN ALL CASES, NOTIFY DIS	STRICT OFFICE PRIOR TO ANY CEMENTING	-	
1 hereby certify that the states Date:	ments made herein are true and to the		d belief. itle V. P. Operation
Energy Economics Agent, as consultant for Northern Natural Gas.	FOR KCC USE: 083-21533-0C API # 15- Conductor pipe required Nove Minimum cathodic surface casing re- Approved by: 47-13-01	DD _feet quired 20 feet Al+3	RECEIVED KANSAS CORPORATION COMMISSIO
	This authorization expires: 1-13 (This authorization void if drilli 6 months of effective date.) Spud date: Agent	ng not started within	JUL 1 0 2007
	REMEMBER TO	); <sub>_</sub>	CONSERVATION DIVISION WICHITA, KS

PEMEMBER TO:

- File Drill Pit Application (form CDP-1) with Intent to Install;

- File Completion Form CB-2 within 30 days of spud date;

- Notify appropriate district office 48 hours prior to workover or re-entry;

- Submit plugging report (CB-4) within 30 days after plugging is completed.

## 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. 15-083-21533-0000 DPERATOR Northern Natural Gas						WELL: COUNTY Hotelet from South/nor	th 1: of 200	<del>fion</del>	
LEASE _	LEASE Hodgeman					feet from south/nor	in line of sec Days of sec	tion	
WELL NO	JMBER <u>1</u>	0 ( 0 (1 1			<del></del>			RG 23W	
FACILIT	ry name 7	APR-HOT	comb		SE	CTION 20	_ IWF ZIS	NG_25W	
SPOT: (	OTR/QTR/QTE SW - SW	<u>- Se</u>	<u>c20 - T21</u>	S-R23W	<u>IF</u> <u>CC</u> Se <u>PLA</u> intent	SECTION I PRNER BOUN Ection cor I ed cathodi	ner used:NE ic borehole.)	NWSE	rest _sw
	(Show fo	otage f	rom near	est leass	e, unit	or outsi	de section boundar	ry rine.)	
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84' -		•	. 66	0	•	•	•		
		<u> </u>	. 04	<u> </u>	<u> </u>	•	SEWARD CO.		
				TY KANSAS					

- 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.

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 1 0 2007

## Kansas Corporation Commission Oil & Gas Conservation Division

Form CDP-1 April 2004 Form must be Typed

## APPLICATION FOR SURFACE PIT

Submit in Duplicate

Operator Name: Northern Natural Gas			License Number: 32119	
Operator Address: 9480 West Hwy 5	O Holcomb,	KS 67881		
Contact Person: Monte Stebens		Phone Number: ( 402 ) 530 - 6332		
Lease Name & Well No.: Hodgeman #1		· "	Pit Location (QQQQ):	
Type of Pit:	Pit is:		<u>NW - SW - SW - SW</u>	
Emergency Pit Burn Pit	X Proposed Existing		Sec. 20 Twp. 21.5 R. 23 East X West	
Settling Pit X Drilling Pit	If Existing, date constructed:			
Workover Pit Haul-Off Pit				
(If WP Supply API No. or Year Drilled)	Pit capacity:	(bbls)	Hodgeman Count	
			Chloride concentration: NONE mg/l	
Is the pit located in a Sensitive Ground Water	Area? Yes X	NO	(For Emergency Pits and Settling Pits only)	
is the bottom below ground level?  X Yes No	Artificial Liner?  Yes X	No	How is the pit lined if a plastic liner is not used? natural soils	
Pit dimensions (all but working pits): 30	Length (fe	eet) 4	Width (feet) N/A: Steel Pits	
	rom ground level to de		, ,	
Distance to nearest water well within one-mile of pit NONE		Source of Info		
feet Depth of water well 32feet			uredwell owner electric log X KDWR	
Emergency, Settling and Burn Pits ONLY:		Drilling, Workover and Haul-Off Pits ONLY:		
Producing Formation: <u>Does not apply</u>		Type of material utilized in drilling/workover: Bentonite only		
Number of producing wells on lease:		Number of working pits to be utilized:  Abandonment procedure:Backfill		
		Abandonment	procedure: DACKIIII	
Does the slope from the tank battery allow all spilled fluids to flow into the pit? Yes No		Drill pits must be closed within 365 days of spud dateRECEIVED  KANSAS CORPORATION COMMISSION		
I hereby certify that the above state Energy Economics Agent,  7-9-07  Date	ements are true and as consultar	it for Nort	st of my knowledge and belief. thern Natural Gas.  JUL 1 0 2007  CONSERVATION DIVISION WICHITA, KS	
	ксс	OFFICE USE O	DNLY	
	,,,50			
Date Received: 7/10/07 Permit Nur	nher	Perm	mit Date: 7/10/c7 Lease Inspection: Yes V No	