

FOR KCC USE:

FORM CB-1 12/93

EFFECTIVE DATE: 6.7.05

State of Kansas

FORM MUST BE TYPED

DISTRICT # 1

CATHODIC PROTECTION BOREHOLE INTENT

FORM MUST BE SIGNED

SGA?  Yes  No

Must be approved by the K.C.C. sixty (60) days prior to commencing well.

ALL BLANKS MUST BE FILLED IN

Expected Spud (Starting) Date 5-27-05

Spot (Location) Q/Q/A East

SE SW NW Sec 4 Twp 21S Rg 21 West

OPERATOR: License # 32119

250' 2390' feet from South / North line of Section

1180' feet from East / West line of Section

(Circle directions from nearest outside corner boundaries)

Name: Northern Natural Gas Co.

IS SECTION  REGULAR  IRREGULAR?

Address: 1111 South 103rd St.

(Spot well on the SECTION Plat on Reverse Side)

City/State/Zip: Omaha, NE 68013

County: Hodgeman

Contact Person: Duane Moody

Lease Name: Burdett Station Well #: #2

Phone: 402-398-7843

Facility Name: Burdett Station

Ground Surface Elevation: 2705 MSL

Cathodic Borehole Total Depth 100' ft.

Depth to Bedrock SHRF ft.

CONTRACTOR: License #: 32775

Name: McLean's C.P. Installation, Inc.

Type Drilling Equipment:  Mud Rotary  Cable

WATER INFORMATION:

Aquifer Penetration:  None  Single  Multiple

Depth to bottom of fresh water: 500 (BASE DAK)

Depth to bottom of usable water: 550

Water well within one-quarter mile:  yes  no

Public water supply well within one mile:  yes  no

Water Source for Drilling Operations:

well  farm pond  stream  other

Water Well Location: .....

DWR Permit #: .....

Standard Dimension Ratio (SDR) is = 26

(cathodic surface OD csg. in inches / MWT in inches = SDR)

Annular space between borehole and casing will be grouted

with:  Concrete  Bentonite Cement

Neat cement  Bentonite clay

Anode vent pipe will be set at: 3 ft. above surface

Anode conductor (backfill) material TYPE: SC2

Depth to BASE of Backfill installation material: 100'

Depth to TOP of Backfill installation material: 25'

CONSTRUCTION FEATURES

Length of Cathodic Surface (Non-Metallic) Casing

Planned to be set: 20' ft.

Length of Conductor pipe (if any?): .....

17 1/2" - 20" 10" - 80"

Size of the borehole (I.D.): .....

Cathodic surface casing size: .....

Cathodic surface casing centralizers set at depths of: 20';

..... ; ..... ; ..... ; ..... ; ..... ; ..... ; ..... ; ..... ; ..... ; ..... ;

Cathodic surface casing will terminate at:

... Above surface ... Surface Vault  Below Surface Vault

Pitless casing adaptor will be used:  Yes  No at Depth 20' ft.

Anode installation depths are: 88.. ; 78.. ; 68.. ; 58.. ;

48.. ; 38.. ; ..... ; ..... ; ..... ; ..... ; ..... ; ..... ; ..... ; ..... ;

\* **NON-AQUIFER COMPLETION - SET PIPE 20' INTO BEDROCK**  
**DO NOT PENETRATE TOP OF DAKOTA**

AFFIDAVIT

The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55-101, et. seq. It is agreed that the following minimum requirements will be met: **SEAL-OFF ALL UNCONSOLIDATED**

1. Notify the appropriate district office prior to spudding of and again before plugging well; **WITH SURFACE PIPES**
2. A copy of the approved notice of intent to drill shall be posted on each drilling rig;
3. The minimum amount of cathodic surface casing as specified below shall be set by grouting to the top.
4. An agreement between the operator and the district office on plugs and placement is necessary prior to plugging;
5. The appropriate district office will be notified before well is either plugged or casing is grouted in;
6. **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: 5/20/05 Signature of Operator or Agent: [Signature] Title: Office

RECEIVED  
KANSAS CORPORATION COMMISSION  
MAY 24 2005  
CONSERVATION DIVISION  
WICHITA, KS

FOR KCC USE:  
 API # 15- 083-21499.00.00  
 Conductor pipe required NONE feet  
 Minimum cathodic surface casing required 20 feet  
 Approved by: RJP/6.2.05  
 This authorization expires: 12.2.05  
 (This authorization void if drilling not started within 6 months of effective date.)  
 Spud date: \_\_\_\_\_ Agent: \_\_\_\_\_

REMEMBER 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.

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202-1286.

**IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW**

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

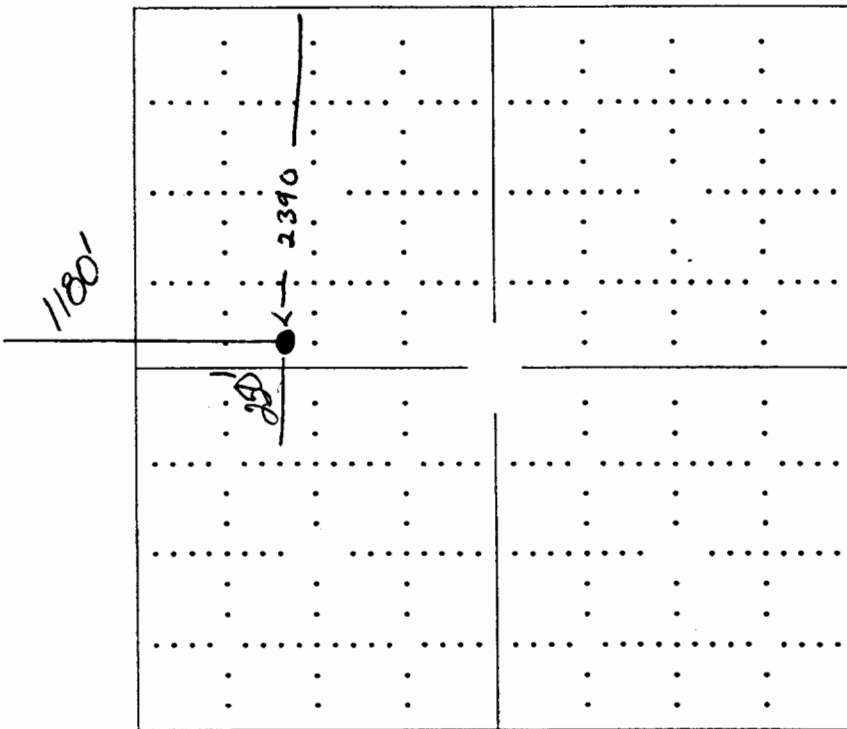
API NO. 15- \_\_\_\_\_  
 OPERATOR Northern Natural Gas Co. LOCATION OF WELL: COUNTY Hodgeman  
 LEASE Burdett Station 250' 2390' feet from south/north line of section *1/2 Section Line*  
 WELL NUMBER #2 1180' feet from east/west line of section  
 FACILITY NAME Burdett Station SECTION 4 TWP 21S RG 21W

SPOT: QTR/QTR/QTR/QTR OF ACREAGE \_\_\_\_\_ IS SECTION X REGULAR or \_\_\_\_\_ IRREGULAR  
 - SE - SW - NW IF SECTION IS IRREGULAR, LOCATE WELL FROM NEAREST CORNER BOUNDARY.  
 Section corner used: \_\_\_\_\_ NE \_\_\_\_\_ NW \_\_\_\_\_ SE \_\_\_\_\_ SW

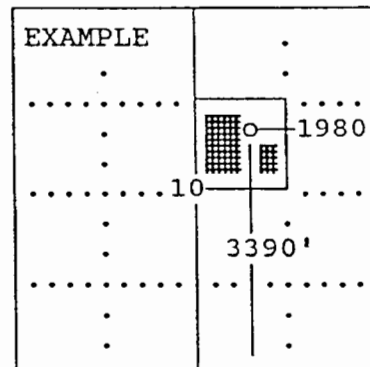
**PLAT**

(Show location of intended cathodic borehole.)

(Show footage from nearest lease, unit or outside section boundary line.)



Section 4



SEWARD 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.

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 KANSAS CORPORATION COMMISSION

**MAY 24 2005**

CONSERVATION DIVISION  
 WICHITA, KS