

540

FOR KCC USE:

FORM CB-1 12/93

FORM MUST BE TYPED

FORM MUST BE SIGNED

ALL BLANKS MUST BE FILLED IN

EFFECTIVE DATE: 4-30-05

State of Kansas

DISTRICT # 1

CATHODIC PROTECTION BOREHOLE INTENT

SGA? ... Yes  No

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

Expected Spud (Starting) Date 5-16-05

Spot (Location) NE NW SW NW Sec 1 Twp 32S S, Rg 33W East West

OPERATOR: License # 32119 month ✓ day (6-30-05) year

3864' feet from South North line of Section  
570' feet from East West line of Section

Name: Northern Natural Gas Co.  
Address: 1111 South 103rd St  
City/State/Zip: Omaha, NE 68013

(Circle directions from nearest outside corner boundaries)

IS SECTION X REGULAR     IRREGULAR?

(Spot well on the Section Plat on Reverse Side)

County: Seward

Contact Person: Duane Moody

Lease Name: Sublette Station # 1

Phone: 402-398-7843

Facility Name: Sublette Station Well #1

Ground Surface Elevation: 2894' MSL

Cathodic Borehole Total Depth 220' ft.

Depth to Bedrock 540' ft.

CONTRACTOR: License #: 32775 ✓

WATER INFORMATION:

Name: McLeans CP Installation, Inc.

Aquifer Penetration: X None     Single     Multiple

Type Drilling Equipment: X Mud Rotary     Cable  
    Air Rotary     Other

Depth to bottom of fresh water: 540' 240' (top est)

Depth to bottom of usable water: 600'

Water well within one-quarter mile:     yes     no

Public water supply well within one mile:     yes X no

Water Source for Drilling Operations:

    well     farm pond     stream X other

Water Well Location:    

CONSTRUCTION FEATURES

Length of Cathodic Surface (Non-Metallic) Casing 20'

Planned to be set: 20' ft.

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

Size of the borehole (I.D.): 17 1/2" - 20' 10" - 200' inches

Cathodic surface casing size:     inches

Cathodic surface casing centralizers set at depths of: 20;

    ;     ;     ;     ;     ;     ;     ;     ;     ;     ;

DWR Permit #:    

Standard Dimension Ratio (SDR) is = 26.

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

Cathodic surface casing will terminate at:

    Above surface     Surface Vault X Below Surface Vault

Annular space between borehole and casing will be grouted

with:     Concrete     Bentonite Cement

X Neat cement     Bentonite clay

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

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

Anode installation depths are: 208 ; 199 ; 190 ; 181 ;

172 ; 163 ; 154 ; 145 ; 136 ; 127 ; 118 ; 109 ; 100 ;

91 82 73 64 55 46 37

Anode conductor (backfill) material TYPE: SC2

Depth to BASE of Backfill installation material: 220'

Depth to TOP of Backfill installation material: 25'

\* NON-AQUIFER COMPLETION

AFFIDAVIT

DO NOT PENETRATE GROUNDWATER

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:

1. Notify the appropriate district office prior to spudding of and again before plugging well;
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: 4-20-05 Signature of Operator or Agent: [Signature] Title: Office

\* REDUCE TOTAL DEPTH IF GROUNDWATER IS ENCOUNTERED ABOVE T.A.

FOR KCC USE:  
 API # 15- 175-21981-0000AIT-3  
 Conductor pipe required NONE feet  
 Minimum cathodic surface casing required 20 feet  
 Approved by: RJP 4-25-05  
 This authorization expires: 10-25-05  
 (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.

RECEIVED KANSAS CORPORATION COMMISSION APR 22 2005 CONSERVATION DIVISION WICHITA KS

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 LOCATION OF WELL: COUNTY Seward  
 LEASE Sublette Station 3864' feet from south north line of section  
 WELL NUMBER #1 570' feet from east west line of section  
 FACILITY NAME Sublette Station Well #1 SECTION 1 TWP 32S RG 33W

SPOT: QTR/QTR/QTR/QTR OF ACREAGE  
 \_\_\_\_\_ - NW - SW - NW

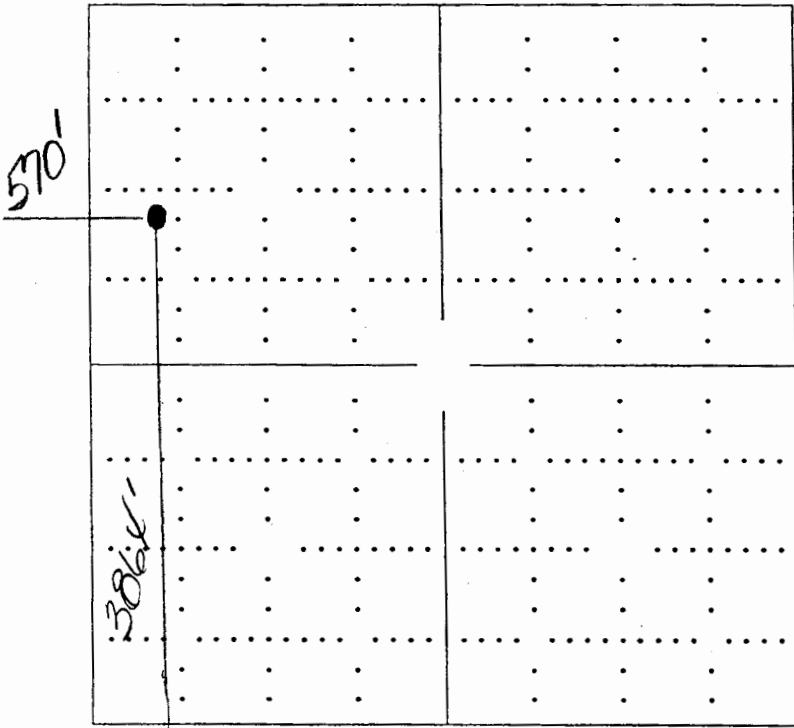
IS SECTION \_\_\_\_\_ REGULAR or \_\_\_\_\_ IRREGULAR  
 IF SECTION IS IRREGULAR, LOCATE WELL FROM NEAREST  
 CORNER BOUNDARY.

Section corner used: \_\_\_\_\_ NE \_\_\_\_\_ NW \_\_\_\_\_ SE \_\_\_\_\_ SW

**PLAT**

(Show location of intended cathodic borehole.)

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

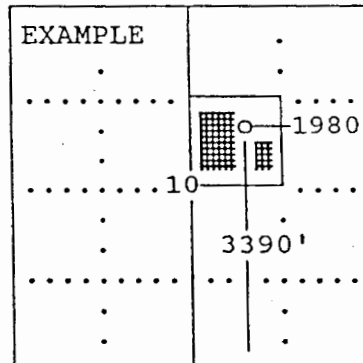


RECEIVED  
 KANSAS CORPORATION COMMISSION

Section 1

APR 27 2005

CONSERVATION DIVISION  
 WICHITA, KS



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.

# KANSAS

CORPORATION COMMISSION

KATHLEEN SEBELIUS, GOVERNOR

BRIAN J. MOLINE, CHAIR

ROBERT E. KREHBIEL, COMMISSIONER

MICHAEL C. MOFFET, COMMISSIONER

April 22, 2005

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

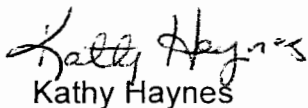
RE: Drilling Pit Application  
Sublette Station Lease Well No. 1  
NW/4 Sec. 01-32S-33W  
Seward County, Kansas

Dear Mr. Moody:

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: S Durrant