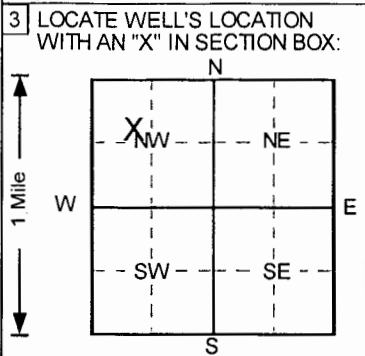


1 LOCATION OF WATER WELL: County: **Seward** Fraction: **SE 1/4 NW 1/4 NW 1/4** Section Number: **1** Township Number: **T 32 S** Range Number: **R 33 E/W**

Distance and direction from nearest town or city street address of well if located within city?  
**Approx. 2 mi. N of Hwys 83 & 160, Seward Co.**

2 WATER WELL OWNER: **NORTHERN NATURAL GAS**  
 RR#, St. Address, Box #: **451 S. COUNTRY ESTATES**  
 City, State, ZIP Code: **LIBERAL, KS 67901**  
 Board of Agriculture, Division of Water Resources  
 Application Number:



4 DEPTH OF COMPLETED WELL: **65.4** ft. ELEVATION: **0**  
 Depth(s) Groundwater Encountered 1. \_\_\_\_\_ ft. 2. \_\_\_\_\_ ft. 3. \_\_\_\_\_ ft.  
 WELL'S STATIC WATER LEVEL: **Dry** ft. below land surface measured on mo/day/yr  
 Pump test data: Well water was **NA** ft. after \_\_\_\_\_ hours pumping \_\_\_\_\_ gpm  
 Est. Yield **NA** gpm: Well water was \_\_\_\_\_ ft. after \_\_\_\_\_ hours pumping \_\_\_\_\_ gpm  
 Bore Hole Diameter **8** in. to **122** ft. and \_\_\_\_\_ in. to \_\_\_\_\_ ft.  
 WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well  
 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering **12 Other (Specify below)**  
**Soil vapor extractio**  
 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Monitoring well  
 Was a chemical/bacteriological sample submitted to Department? Yes \_\_\_\_\_ No ; If yes, mo/day/yr sample was submitted  
 Water Well Disinfected? Yes \_\_\_\_\_ No

5 TYPE OF BLANK CASING USED: 1 Steel 2 **PVC** 3 RMP (SR) 4 ABS 5 Wrought iron 6 Asbestos-Cement 7 Fiberglass 8 Concrete tile 9 Other (specify below) CASING JOINTS: Glued \_\_\_\_\_ Clamped \_\_\_\_\_ Welded \_\_\_\_\_ Threaded   
 Blank casing diameter **2** in. to **45.4** ft. Dia \_\_\_\_\_ in. to \_\_\_\_\_ ft. Dia \_\_\_\_\_ in. to \_\_\_\_\_ ft.  
 Casing height above land surface **36** in., weight \_\_\_\_\_ lbs./ft. Wall thickness or gauge No. **Sch. 40**  
 TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 2 Brass 3 Stainless steel 4 Galvanized steel 5 Fiberglass 6 Concrete tile 7 **PVC** 8 RMP (SR) 9 ABS 10 Asbestos-cement 11 Other (specify) \_\_\_\_\_ 12 None used (open hole)  
 SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 2 Louvered shutter 3 **Mill slot** 4 Key punched 5 Gauzed wrapped 6 Wire wrapped 7 Torch cut 8 Saw cut 9 Drilled holes 10 Other (specify) \_\_\_\_\_ 11 None (open hole)  
 SCREEN-PERFORATED INTERVALS: From **45.4** ft to **65.4** ft. From \_\_\_\_\_ ft to \_\_\_\_\_ ft. From \_\_\_\_\_ ft to \_\_\_\_\_ ft.  
 GRAVEL PACK INTERVALS: From **43** ft to **66** ft. From \_\_\_\_\_ ft to \_\_\_\_\_ ft. From \_\_\_\_\_ ft to \_\_\_\_\_ ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 **Bentonite** 4 **Other Soil**  
 Grout Intervals: From **0** ft to **1** ft. From **1** ft to **43** ft. From **66** ft to **122** ft  
 What is the nearest source of possible contamination:  
 1 Septic tank 2 Sewer lines 3 Watertight sewer lines 4 Lateral lines 5 Cess pool 6 Seepage pit 7 Pit privy 8 Sewage lagoon 9 Feedyard 10 Livestock pens 11 Fuel storage 12 Fertilizer storage 13 Insecticide storage 14 Abandoned water well 15 Oil well/Gas well 16 **Other (specify below)**  
**Burn pit**  
 Direction from well? **West** How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	9	Clay, silty, tr. sand, stiff, Dark Brown	108.5	120	Sand (f-c), tr. to some gravel, Strong Brown
9	11	Clay, tr. silt and sand, Brown	120	122	Clay, tr. to some sand, hard, Light Brown
11	14	Silt, clayey, tr. to some sand, Yellowish Brown			
14	16	Clay, sandy, some silt, v. stiff, Yellowish Brow			
16	19	Silt, clayey, tr. to some sand, Strong Brown			
19	26	Clay, silty, tr. sand, Strong Brown			
26	30	Silt, clayey, tr. to some sand, Reddish Yellow			
30	33	Clay, tr. silt and sand, Lt. Olive Gray			
33	37	Clay, sandy, some silt, stiff, Brownish Yellow			
37	54.5	Clay, tr. sand, hard, Pale Brown			
54.5	78	Clay, sandy, tr. silt, Lt. Yellowish Brown			
78	91	Clay, some sand, v. stiff, Yellowish Red			
91	94	Sand (vf-c), clayey, some silt, Light Brown			SB2 (SVE3)
94	99	Clay, tr. to some sand, Yellowish Brown			Project Name: BM - NNG - Sublette Plant
99	108.5	Clay, sandy, some silt, Brownish Yellow			GeoCore # 1159, #

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was **(1)** constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) **11/2/2004** and this record is true to the best of my knowledge and belief.  
 Kansas Water Well Contractor's License No. **527**. This Water Well Record was completed on (mo/day/yr) **12/1/2004** under the business name of **GeoCore, Inc.** by (signature) *Don Kell*

OFFICE USE ONLY  
T  
R  
E/W  
SEC  
1/4  
1/4  
1/4