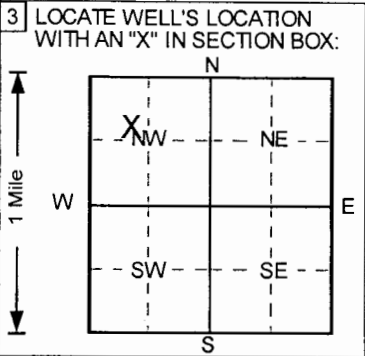


1) LOCATION OF WATER WELL: County: **Seward** Fraction: **SE 1/4 NW 1/4 NW 1/4** Section Number: **1** Township Number: **T 32 S** Range Number: **R 33 E** **W**

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** Board of Agriculture, Division of Water Resources  
 City, State, ZIP Code : **LIBERAL, KS 67901** Application Number:



4) DEPTH OF COMPLETED WELL: **80.5** 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)  
 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Monitoring well **Soil vapor extractio**  
 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 **60.5** ft, Dia \_\_\_\_\_ in. to \_\_\_\_\_ ft, Dia \_\_\_\_\_ in. to \_\_\_\_\_ ft  
 Casing height above land surface **35** 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 **60.5** ft to **80.5** ft, From \_\_\_\_\_ ft to \_\_\_\_\_ ft, From \_\_\_\_\_ ft to \_\_\_\_\_ ft  
 GRAVEL PACK INTERVALS: From **57** ft to **81** 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 **57** ft, From **81** 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? **North** How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	0.2	Grass,	89	94	Sand (vf-c), silty, Brownish Yellow
0.2	8.5	Clay, silty, tr. sand, Dark Grayish Brown	94	99	Clay, tr. to some sand, Lt. Yellowish Brown
8.5	14	Clay, tr. sand and silt, v. stiff, Brown	99	106	Clay, sandy, some silt, Lt. Yellowish Brown
14	16.5	Clay, sandy, some silt, Strong Brown	106	109	Sand (vf-c), Yellowish Brown
16.5	19	Silt, clayey, tr. to some silt, Light Yellowish Br	109	120	Sand (f-c), tr. to some gravel, Yellowish Brow
19	24	Silt, clayey, tr. to some silt and sand, Strong B	120	122	Clay, tr. to some sand, Light Brown
24	30	Silt, clayey, tr. to some sand, Yellowish Brown			
30	34	Clay, sandy, tr. silt, Light Brownish Gray			
34	36	Clay, sandy, tr. silt, Light Yellowish Brown			
36	39	Clay, tr. to some sand and silt, Brown			
39	51	Clay, tr. sand and silt, hard, Yellowish Brown			
51	56	Clay, silty, tr. sand, v. stiff, Very Pale Brown			
56	74	Clay, sandy, some silt, Very Pale Brown			SB3 (SVE4)
74	78	Sand, clayey, some silt, Strong Brown			Project Name: BM - NNG - Sublette Plant
78	89	Clay, some sand, v. stiff, 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 *[Signature]*

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Topeka, Kansas 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY  
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