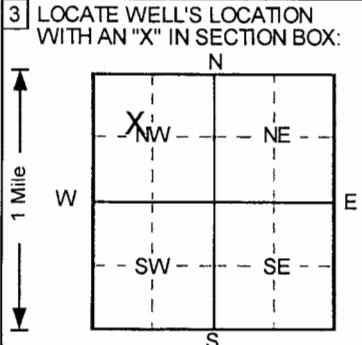


1 LOCATION OF WATER WELL: Fraction **SE 1/4 NW 1/4 NW 1/4** Section Number **1** Township Number **T 32 S** Range Number **R 33 EW**

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 **90** 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: 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued ..... Clamped .....  
 1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded .....  
**2** PVC 4 ABS 7 Fiberglass Threaded.   
 Blank casing diameter **2** in. to **70** 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 **7** PVC 10 Asbestos-cement  
 1 Steel 3 Stainless steel 5 Fiberglass **8** RMP (SR) 11 Other (specify) .....  
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)  
 SCREEN OR PERFORATION OPENINGS ARE: 5 Gauzed wrapped 8 Saw cut 11 None (open hole)  
 1 Continuous slot **3** Mill slot 6 Wire wrapped 9 Drilled holes  
 2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) .....  
 SCREEN-PERFORATED INTERVALS: From **70** ft. to **90** ft., From ..... ft. to ..... ft.  
 From ..... ft. to ..... ft., From ..... ft. to ..... ft.  
 GRAVEL PACK INTERVALS: From **68** ft. to **91** ft., From ..... ft. to ..... 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 **68** ft., From **91** ft. to **122** ft.  
 What is the nearest source of possible contamination:  
 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well  
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well  
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage **16** Other (specify below)  
**Burn pit**  
 Direction from well? **East** How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	0.2	Grass,	74	79	Sand (vf-m), clayey, some silt, Strong Brown
0.2	2	Clay, silty, tr. sand, Very Dark Grayish Brow	79	89	Clay, some sand and silt, Reddish Yellow
2	6	Silt, tr. clay, Lt. Yellowish Brown	89	94	Sand (vf-c), silty, tr. clay, Reddish Yellow
6	12	Silt, clayey, tr. sand, Brown	94	106.5	Clay, tr. sand and silt, Lt. Yellowish Brown
12	17	Silt, clayey, tr. sand, Lt. Yellowish Brown	106.5	109.5	Sand (vf-c), tr. to some silt, Lt. Yellowish Bro
17	27	Silt, tr. to some clay, Very Pale Brown	109.5	121	Sand (vf-c), Yellowish Brown
27	31	Silt, tr. to some sand, Lt. Yellowish Brown	121	122	Clay, tr. sand and silt, hard, Brown
31	33	Clay, silty, stiff, Brown			
33	37.5	Clay, silty, v. stiff, Brown			
37.5	40	Clay, tr. sand and silt, Brown			
40	49	Clay, sandy, hard, Brown			
49	54	Clay, tr. sand and silt, Brown			
54	58	Clay, silty, tr. to some sand, Lt. Yellowish Bro			SB9 (SVE8)
58	64	Silt, sandy, stiff to v. stiff, Very Pale Brown			Project Name: BM - NNG - Sublette Plant
64	74	Clay, silty, tr. to some sand, Lt. Brown			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) *Dale Bell*

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 T R EW SEC