

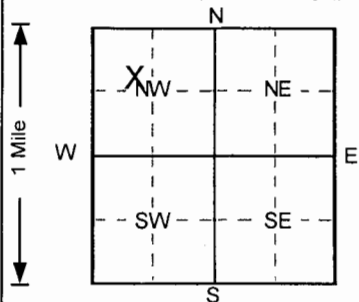
1 LOCATION OF WATER WELL: County: <b>Seward</b>	Fraction <b>SE ¼ NW ¼ NW ¼</b>	Section Number <b>1</b>	Township Number <b>T 32 S</b>	Range Number <b>R 33 E/W</b>
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Distance and direction from nearest town or city street address of well if located within city?

**Approx. 2 mi. N of Hwys 83 & 160, Seward Co.**

2 WATER WELL OWNER: RR#, St. Address, Box # : <b>451 S. COUNTRY ESTATES</b> City, State, ZIP Code : <b>LIBERAL, KS 67901</b>	<b>NORTHERN NATURAL GAS</b> Board of Agriculture, Division of Water Resources Application Number:
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3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL: <b>115.3</b> ft. ELEVATION: <b>0</b>
Depth(s) Groundwater Encountered 1. .... ft. 2. .... ft. 3. .... ft.
WELL'S STATIC WATER LEVEL: <b>Dry</b> ft. below land surface measured on mo/day/yr
Pump test data: Well water was <b>NA</b> ft. after ..... hours pumping ..... gpm
Est. Yield .. <b>NA</b> gpm: Well water was ..... ft. after ..... hours pumping ..... gpm
Bore Hole Diameter .... <b>8</b> in. to .... <b>122</b> 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 <b>12</b> Other (Specify below)
2 Irrigation 4 Industrial 7 Lawn and garden only 10 Monitoring well <b>Soil vapor extractio</b>
Was a chemical/bacteriological sample submitted to Department? Yes.....No <input checked="" type="checkbox"/> ; If yes, mo/day/yr sample was submitted
Water Well Disinfected? Yes No <input checked="" type="checkbox"/>

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)
<b>2</b> PVC	4 ABS	7 Fiberglass	Welded .....
Blank casing diameter .... <b>2</b> in. to .... <b>95.3</b> ft., Dia ..... in. to ..... ft., Dia ..... in. to ..... ft.			Threaded. <input checked="" type="checkbox"/>
Casing height above land surface .... <b>30</b> in., weight ..... lbs./ft. Wall thickness or gauge No. .... <b>Sch. 40</b>			
TYPE OF SCREEN OR PERFORATION MATERIAL	<b>7</b> PVC	10 Asbestos-cement	
1 Steel	3 Stainless steel	5 Fiberglass	8 RMP (SR)
2 Brass	4 Galvanized steel	6 Concrete tile	9 ABS
SCREEN OR PERFORATION OPENINGS ARE:	5 Gauzed wrapped	8 Saw cut	11 None (open hole)
1 Continuous slot	<b>3</b> Mill slot	6 Wire wrapped	9 Drilled holes
2 Louvered shutter	4 Key punched	7 Torch cut	10 Other (specify) .....
SCREEN-PERFORATED INTERVALS: From .... <b>95.3</b> ft. to .... <b>115.3</b> ft., From ..... ft. to ..... ft.			
GRAVEL PACK INTERVALS: From .... <b>93</b> ft. to .... <b>122</b> ft., From ..... ft. to ..... ft.			

6 GROUT MATERIAL:	1 Neat cement	2 Cement grout	<b>3</b> Bentonite	<b>4</b> Other Soil
Grout intervals: From .... <b>0</b> ft. to .... <b>1</b> ft., From .... <b>1</b> ft. to .... <b>93</b> ft., From ..... ft. to ..... ft.				
What is the nearest source of possible contamination:	1 Septic tank	4 Lateral lines	7 Pit privy	10 Livestock pens
	2 Sewer lines	5 Cess pool	8 Sewage lagoon	11 Fuel storage
	3 Watertight sewer lines	6 Seepage pit	9 Feedyard	12 Fertilizer storage
Direction from well? <b>South</b>				13 Insecticide storage
				14 Abandoned water well
				15 Oil well/Gas well
				<b>16</b> Other (specify below)
				<b>Burn pit</b>
				How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	9	Clay, some silt, stiff, med. plas., damp, Dark B	120	122	Clay, v. stiff, med. plas., Brown
9	11	Clay, tr. silt and sand, stiff, V. Dark Grayish B			
11	19	Silt, clayey, tr. sand, stiff, Yellowish Brown			
19	28.5	Clay, silty, tr. sand, v. stiff, Yellowish Brown			
28.5	30.5	Silt, clayey, tr. to some sand, Lt. Yellowish Br			
30.5	33	Clay, tr. silt and sandy, stiff, Gray			
33	45.5	Clay, some sand and silt, v. stiff, Yellowish Br			
45.5	56.5	Clay, tr. sand and silt, v. stiff, Brown			
56.5	78.5	Clay, sandy, tr. to some silt, Pale Brown			
78.5	89	Clay, tr. sand and silt, Reddish Yellow			
89	93	Sand (vf-m), clayey, some silt, Brownish Yello			
93	101	Clay, some sand, v. stiff, Brown			
101	108.5	Clay, sandy, some silt, Yellowish Brown			SB1A (SVE2)
108.5	112	Sand (f-c), tr. to some gravel, Strong Brown			Project Name: BM - NNG - Sublette Plant
112	120	Sand (vf-c), tr. gravel, Yellowish Brown			GeoCore # 1159, #

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