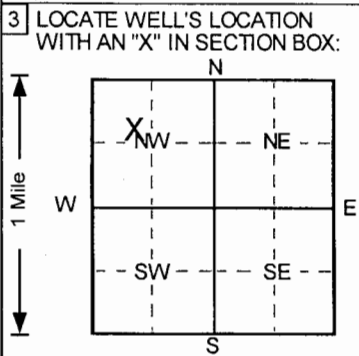


1 LOCATION OF WATER WELL: Fraction **SE 1/4 NW 1/4 NW 1/4** Section Number **1** Township Number **T 32 S** Range Number **R 33 E/W**
 County: **Seward**

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 **105** 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: 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 **85** ft. Dia _____ in. to _____ ft. Dia _____ in. to _____ ft.
 Casing height above land surface **32** 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 **85** ft. to **105** ft. From _____ ft. to _____ ft.
 From _____ ft. to _____ ft. From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From **83** ft. to **106** 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 **85** ft. From **106** 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)
 13 Insecticide storage _____
 Direction from well? _____ How many feet? **0**

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	0.2	Grass,	89	91	Sand (vf-c), silty, some clay, Lt. Yellowish Bro
0.2	2	Clay, silty, tr. sand, Dark Grayish Brown	91	93.5	Sand (vf-c), tr. to some silt, Reddish Yellow
2	4	Clay, silty, tr. sand, Brown	93.5	99	Clay, tr. to some sand, Lt. Brown
4	7	Silt, clayey, tr. sand, Very Pale Brown	99	105.5	Clay, sandy, some silt, Brownish Yellow
7	12	Clay, silty, tr. sand, Brown	105.5	108.5	Sand (vf-c), Lt. Yellowish Brown
12	18	Silt, clayey, tr. sand, Light Yellowish Brown	108.5	119	Sand (f-c), tr. to some gravel, Lt. Yellowish Br
18	25.5	Clay, tr. to some sand and silt, Brown	119	122	Clay, tr. silt and sand, Lt. Brownish Gray
25.5	28	Silt, sandy, some clay, Light Yellowish Brown			
28	34	Clay, tr. sand, Light Brownish Gray			
34	39	Clay, sandy, tr. silt, Brown			
39	50	Clay, tr. sand and silt, Brown			
50	54	Clay, silty, tr. sand, Very Pale Brown			
54	74	Clay, sandy, some silt, Very Pale Brown gradi			SB8 (SVE6)
74	78.5	Sand (vf-m), clayey, some silt, Strong Brown			Project Name: BM - NNG - Sublette Plant
78.5	89	Clay, some sand and silt, Lt. Yellowish 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 Roll*

OFFICE USE ONLY
T
R
EW
SEC.
1/2
1/2
1/2