

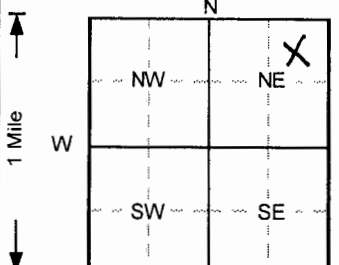
1 LOCATION OF WATER WELL: Fraction **C** $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section Number **3** Township Number **T 24 S** Range Number **R 34 E** **(W)**

Distance and direction from nearest town or city street address of well if located within city?

~1 mi N & 2 mi W of Holcomb on Hwy 50

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:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL **108.5** ft. ELEVATION:

Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.

WELL'S STATIC WATER LEVEL **97.96** ft. below land surface measured on mo/day/yr **5/16/2005**

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 **108.5** 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 **المحيط**

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 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued Clamped

2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded

Blank casing diameter **2** in. to **83.5** ft. Dia in. to ft. Dia in. to ft.

Casing height above land surface **27** 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:

1 Continuous slot **3** Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole)

2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes

7 Torch cut 10 Other (specify)

SCREEN-PERFORATED INTERVALS: From **83.5** ft. to **108.5** ft. From ft. to ft.

From ft. to ft. From ft. to ft.

GRAVEL PACK INTERVALS: From **80.5** ft. to **108.5** 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

Grout Intervals: From **0** ft. to **3** ft. From **3** ft. to **80.5** 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 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,	53.5	55.5	Clay, some sand, Brown
0.2	2.5	Silt, some clay and sand, Yellowish Brown	55.5	61	Sand (vf-c), trace to some silt,
2.5	8	Silt, trace sand, Pale Brown	61	69	Sand (f-c), Pale Brown
8	12	Silt, some sand (vf), trace clay, Lt. Yellowish B	69	71	Sand (vf-m), some silt and clay, Lt. Yellowish
12	16	Silt, some clay and sand, Lt. Yellowish Brown	71	76	Clay, trace to some sand, Strong Brown
16	18	Clay, some silt and sand, Yellowish Brown	76	82	Sand (vf-c), trace to some silt, Lt. Yellowish B
18	23	Sand (vf-f), some silt, Lt. Yellowish Brown	82	87.5	Sand (f-c), Lt. Yellowish Brown
23	25.5	Clay, trace sand and silt, Pale Brown	87.5	96	Silt, some sand and clay, Lt. Yellowish Brown
25.5	29	Silt, some sand and clay, Lt. Yellowish Brown	96	100.5	Silt, some clay, trace sand, Lt. Brown
29	32	Clay, trace to some sand, Lt. Yellowish Brown	100.5	108.5	Clay, trace silt, Lt. Brown
32	34	Sand (vf-c), some silt and clay, Lt. Brown			
34	41	Sand (vf-m), some clay, Lt. Yellowish Brown			
41	47	Sand (vf-c), some silt, trace clay, Reddish Yell			
47	50	Sand (f-c), Very Pale Brown			
50	53.5	Sand (vf-m), some silt, Lt. Brown			

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) **4/27/2005** 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) **5/27/05**

under the business name of **GeoCore, Inc.** by (signature) *[Signature]*