

1 LOCATION OF WATER WELL:		Fraction		Section Number		Township Number		Range Number																																																																																																	
County: Finney		C ¼ NE ¼ NE ¼		3		T 24 S		R 34 E/W																																																																																																	
Distance and direction from nearest town or city street address of well if located within city? ~1 mi. N and 2 mi. W of Holcomb on Hwy 50																																																																																																									
2 WATER WELL OWNER: NORTHERN NATURAL GAS																																																																																																									
RF#, 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 95 ft. ELEVATION: 0																																																																																																							
		Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.																																																																																																							
		WELL'S STATIC WATER LEVEL 75.23 ft. below land surface measured on mo/day/yr 12/6/2004																																																																																																							
		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 95 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																																																																																																							
		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:																																																																																																									
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																																																																																																									
7 Fiberglass Threaded. <input checked="" type="checkbox"/>																																																																																																									
Blank casing diameter 2 in. to 70 ft. Dia. in. to ft. Dia. in. to ft.																																																																																																									
Casing height above land surface 30 in., weight lbs./ft. Wall thickness or gauge No. Sch. 40																																																																																																									
TYPE OF SCREEN OR PERFORATION MATERIAL																																																																																																									
1 Steel 3 Stainless steel 5 Fiberglass 7 PVC 10 Asbestos-cement																																																																																																									
2 Brass 4 Galvanized steel 6 Concrete tile 8 RMP (SR) 11 Other (specify)																																																																																																									
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 70 ft. to 95 ft. From ft. to ft.																																																																																																									
From ft. to ft. From ft. to ft.																																																																																																									
GRAVEL PACK INTERVALS: From 68 ft. to 95 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 68 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																																																																																																									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>FROM</th> <th>TO</th> <th>LITHOLOGIC LOG</th> <th>FROM</th> <th>TO</th> <th>PLUGGING INTERVALS</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0.2</td> <td>Grass,</td> <td>48</td> <td>50</td> <td>Sand (f-c), v. poorly sorted, Lt. Yellowish Bro</td> </tr> <tr> <td>0.2</td> <td>3</td> <td>Clay, silty, tr. sand, v. stiff, Pale Grayish Brow</td> <td>50</td> <td>54</td> <td>Clay, silty, tr. sand, v. stiff, Brown</td> </tr> <tr> <td>3</td> <td>9.5</td> <td>Silt, tr. silt and sand, stiff, Brown</td> <td>54</td> <td>56</td> <td>Sand (vf-f), silty, Lt. Yellowish Brown</td> </tr> <tr> <td>9.5</td> <td>18.5</td> <td>Silt, tr. sand and clay, v. stiff, Pale Brown</td> <td>56</td> <td>61</td> <td>Silt, clayey, tr. sand, Lt. Yellowish Brown</td> </tr> <tr> <td>18.5</td> <td>21</td> <td>Silt, clayey, tr. sand, Pale Brown</td> <td>61</td> <td>68</td> <td>Sand (vf-c), tr. silt, Brown</td> </tr> <tr> <td>21</td> <td>24</td> <td>Sand (vf-c), tr. silt and gravel, Yellowish Brow</td> <td>68</td> <td>70.5</td> <td>Silt, sandy, tr. clay, Lt. Yellowish Brown</td> </tr> <tr> <td>24</td> <td>27</td> <td>Sand (vf-c), clayey, tr. silt, Light Brown</td> <td>70.5</td> <td>71</td> <td>Sand (vf-m), poorly sorted, Lt. Yellowish Bro</td> </tr> <tr> <td>27</td> <td>29</td> <td>Silt, clayey, some sand, Lt. Yellowish Brown</td> <td>71</td> <td>73.5</td> <td>Clay, silty, v. stiff, Lt. Brown</td> </tr> <tr> <td>29</td> <td>30</td> <td>Sand (vf-m), silty, Lt. Yellowish Brown</td> <td>73.5</td> <td>79</td> <td>Silt, clayey, stiff, Lt. Yellowish Brown</td> </tr> <tr> <td>30</td> <td>33.5</td> <td>Clay, some silt, tr. sand, Lt. Brown</td> <td>79</td> <td>95</td> <td>Clay, silty, v. stiff, Lt. Brown</td> </tr> <tr> <td>33.5</td> <td>35.5</td> <td>Sand (vf-m), silty, tr. to some clay, Brown</td> <td></td> <td></td> <td></td> </tr> <tr> <td>35.5</td> <td>37</td> <td>Sand (vf-c), v. poorly sorted, Lt. Yellowish Br</td> <td></td> <td></td> <td></td> </tr> <tr> <td>37</td> <td>37.5</td> <td>Sand, calcareous, cemented,</td> <td></td> <td></td> <td>MW29, Abovegrade</td> </tr> <tr> <td>37.5</td> <td>43</td> <td>Sand (vf-c), v. poorly sorted, Lt. Yellowish Br</td> <td></td> <td></td> <td>BM - NNG Holcomb Plant</td> </tr> <tr> <td>43</td> <td>48</td> <td>Sand (vf-c), tr. to some silt and clay, Lt. Yello</td> <td></td> <td></td> <td>GeoCore #1188</td> </tr> </tbody> </table>										FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS	0	0.2	Grass,	48	50	Sand (f-c), v. poorly sorted, Lt. Yellowish Bro	0.2	3	Clay, silty, tr. sand, v. stiff, Pale Grayish Brow	50	54	Clay, silty, tr. sand, v. stiff, Brown	3	9.5	Silt, tr. silt and sand, stiff, Brown	54	56	Sand (vf-f), silty, Lt. Yellowish Brown	9.5	18.5	Silt, tr. sand and clay, v. stiff, Pale Brown	56	61	Silt, clayey, tr. sand, Lt. Yellowish Brown	18.5	21	Silt, clayey, tr. sand, Pale Brown	61	68	Sand (vf-c), tr. silt, Brown	21	24	Sand (vf-c), tr. silt and gravel, Yellowish Brow	68	70.5	Silt, sandy, tr. clay, Lt. Yellowish Brown	24	27	Sand (vf-c), clayey, tr. silt, Light Brown	70.5	71	Sand (vf-m), poorly sorted, Lt. Yellowish Bro	27	29	Silt, clayey, some sand, Lt. Yellowish Brown	71	73.5	Clay, silty, v. stiff, Lt. Brown	29	30	Sand (vf-m), silty, Lt. Yellowish Brown	73.5	79	Silt, clayey, stiff, Lt. Yellowish Brown	30	33.5	Clay, some silt, tr. sand, Lt. Brown	79	95	Clay, silty, v. stiff, Lt. Brown	33.5	35.5	Sand (vf-m), silty, tr. to some clay, Brown				35.5	37	Sand (vf-c), v. poorly sorted, Lt. Yellowish Br				37	37.5	Sand, calcareous, cemented,			MW29, Abovegrade	37.5	43	Sand (vf-c), v. poorly sorted, Lt. Yellowish Br			BM - NNG Holcomb Plant	43	48	Sand (vf-c), tr. to some silt and clay, Lt. Yello			GeoCore #1188
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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) 11/15/2004 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) 1/3/05																																																																																																									
under the business name of GeoCore, Inc. by (signature) <i>Dale Bell</i>																																																																																																									
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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