

1 LOCATION OF WATER WELL: Fraction SW 1/4 SE 1/4 SE 1/4 Section Number 13 Township Number T 33 S Range Number R 2 EW

Distance and direction from nearest town or city street address of well if located within city? 4 Miles North of Geuda Springs

2 WATER WELL OWNER: City of Geuda Springs, Ks. Well No. 1 RR#, St. Address, Box #: 100 1st Street Board of Agriculture, Division of Water Resources City, State, ZIP Code: Geuda Springs, Ks. 67051 Application Number: 38,067

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: [Diagram showing a 2x2 grid with 'X' in the SE quadrant] 4 DEPTH OF COMPLETED WELL: 35 ft. ELEVATION: Above land surface measured on mo/day/yr 12/13/76. WELL'S STATIC WATER LEVEL: 2 ft. Pump test data: Well water was 9.44 ft. after 7.5 hours pumping 52 gpm. Est. Yield: gpm. Bore Hole Diameter: 30 in. to 20 ft., and 22 in. to 35 ft. TYPE OF SCREEN OR PERFORATION MATERIAL: 7 PVC, 10 Asbestos-cement. SCREEN OR PERFORATION OPENINGS ARE: 7 Torch cut, 10 Other (specify).

5 TYPE OF BLANK CASING USED: 1 Steel, 3 RMP (SR), 5 Wrought iron, 8 Concrete tile, CASING JOINTS: Glued, Clamped, Welded X, Threaded. Blank casing diameter: 2.4 in. to 20 ft., Dia. 8 in. to 28 ft., Dia. Casing height above land surface: 36 in., weight 94.62 - 28.55 lbs./ft. Wall thickness or gauge No. .375 - .322. TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel, 3 Stainless steel, 5 Fiberglass, 8 RMP (SR), 11 Other (specify). SCREEN OR PERFORATION OPENINGS ARE: 5 Gauzed wrapped, 8 Saw cut, 11 None (open hole). SCREEN-PERFORATED INTERVALS: From 28 ft. to 35 ft. GRAVEL PACK INTERVALS: From 25.5 ft. to 35 ft.

6 GROUT MATERIAL: 1 Neat cement, 2 Cement grout, 3 Bentonite, 4 Other. Grout intervals: From 0 ft. to 20 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) Crude Oil Line, 13 Insecticide storage. Direction from well? South. How many feet? 100'

LITHOLOGIC LOG table with columns FROM, TO, LITHOLOGIC LOG. Entry: See Attached

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) 4/8/87 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 102 This Water Well Record was completed on (mo/day/yr) 4/15/87 under the business name of Layne Western Co., Inc., Wichita, Ks by (signature) [Signature]

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, Office of Oil Field and Environmental Geology, Regulation and Permitting Section, Topeka, Kansas 66620-7500, Telephone: 913-862-9360. Send one to WATER WELL OWNER and retain one for your records.

12-860000132

West (No. 1) Well City of Geuda Springs

Approximately 54' N. and 805' W. of the SW corner of Sec. 13, T33S, R2E, Sumner County, Kansas.

Drilled 19 Nov. (top 20') and 9 Dec., 1986 (bottom 17')

Surface elevation - 1114.60

Static Water Level elevation - 1,116.38 (approx.)

0	- 4'	Top soil, clayey
4	- 7.5'	Clay, silty, red
7.5	- 10.5'	Clay, slightly silty, red
10.5	- 12.5'	Clay, brown to red-brown with some gray mottling
12.5	- 13.5'	Clay, gray-brown to red-brown with some gray mottling
13.5	- 17.5'	Clay, sandy, gray with hard streak at 14'
17.5	- 18.0'	Sand, coarse with some fine to coarse gravel
18.0	- 19.7'	Shale, hard, gray with black deposit in seams
19.7	- 19.9'	Shale, soft, gray
19.9	- 20.5'	Shale, limy, gray with 1" bed of black shale
20.5	- 21.5'	Shale, very limy-dense, gray with 3/16" gypsum seam at 21'
21.5	- 22.3'	Shale, soft with limy shale streaks, gray
22.3	- 22.7'	Shale, limy, gray to gray black
22.7	- 23.0'	Shale, limy and dense, gray
23.0	- 28.0'	Shale, dark gray-green
28.0	- 28.8'	Shale, soft, light-gray
28.8	- 30.5'	Shale, limy and dense, light-gray
30.5	- 31.7'	Shale, limy and more dense (rough drilling), light gray to dark gray with black streak
31.7	- 32.0'	Limestone, shaley, gray-brown
32.0	- 34.0'	Limestone, gray to brown, broken, 18" bit went through this in three to four minutes
34.0	- 37.0'	Shale, gray

Log by R.L. Vincent

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APR 17 1987

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REMEDATION