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WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: County: McPherson | Fraction: NE ¼ SW ¼ SE ¼ | Section Number: 5 | Township Number: T 20 S | Range Number: R 3 E/W

Distance and direction from nearest town or city street address of well if located within city? NEAR McPherson KS 848.1'N 1759.1'W OF SE CORNER

2 WATER WELL OWNER: National Cooperative Refinery Assoc.

RR#, St. Address, Box # P. O. Box 1404 LF-4

City, State, ZIP Code McPherson, Kansas 67460

Board of Agriculture, Division of Water Resources Application Number:

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

N / NW / NE / W / E / SW / SE / S — 1 Mile

4 DEPTH OF COMPLETED WELL 88' ft. ELEVATION:

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

WELL'S STATIC WATER LEVEL 79'3" ft. below land surface measured on mo/day/yr 9/20

Pump test data: Well water was ft. after hours pumping gpm

Est. Yield 5 gpm: Well water was ft. after hours pumping gpm

Bore Hole Diameter 9-7/8 in. to ft., and in. to ft.

WELL WATER TO BE USED AS: 1 Domestic 2 Irrigation 3 Feedlot 4 Industrial 5 Public water supply 6 Oil field water supply 7 Lawn and garden only 8 Air conditioning 9 Dewatering 10 Monitoring well 11 Injection well 12 Other (Specify below)

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 2 PVC 3 RMP (SR) 4 ABS 5 Wrought iron 6 Asbestos-Cement 7 Fiberglass 8 Concrete tile 9 Other (specify below) SS

CASING JOINTS: Glued Clamped ✓ Welded Threaded ✗

Blank casing diameter 4 in. to 78 ft., Dia in. to ft., Dia in. to ft.

Casing height above land surface 2.6 in., weight lbs./ft. Wall thickness or gauge No.

TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 2 Brass 3 Stainless steel 4 Galvanized steel 5 Fiberglass 6 Concrete tile 7 PVC 8 RMP (SR) 9 ABS 10 Asbestos-cement 11 Other (specify) 12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 2 Louvered shutter 3 Mill slot 4 Key punched 5 Gauzed wrapped 6 Wire wrapped 7 Torch cut 8 Saw cut 9 Drilled holes 10 Other (specify) 11 None (open hole)

SCREEN-PERFORATED INTERVALS: From 88 ft. to 78 ft., From ft. to ft.

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

GRAVEL PACK INTERVALS: From 88 ft. to 75 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 75 ft. to 0 ft., From 76 ft. to 75 ft., From ft. to ft.

What is the nearest source of possible contamination: 1 Septic tank 2 Sewer lines 3 Watertight sewer lines 4 Lateral lines 5 Cess pool 6 Seepage pit 7 Pit privy 8 Sewage lagoon 9 Feedyard 10 Livestock pens 11 Fuel storage 12 Fertilizer storage 13 Insecticide storage 14 Abandoned water well 15 Oil well/Gas well 16 Other (specify below)

Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	6	dk. brown clay			
6	14	dk. brown to lt. brown clay			
14	20	lt. brown w/gray str.& caliche lens			
20	47	lt. brown w/gray str. & thin limestone			
47	50	lt. brown w/gray str. w/sand in bedded clay			
50	59	sand			
59	92	sand with thin clay lens			

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) 9/20/89 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) 10/20/89 under the business name of Layne Western Co., Inc., Wichita, Ks. by (signature) Brian Meier

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 Protection, Topeka, Kansas 66620-7320. Telephone: 913-296-5514. Send one to WATER WELL OWNER and retain one for your records.

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