

1 LOCATION OF WATER WELL: County: Phillips	Fraction SE ¼ NE ¼ SW ¼	Section Number 22	Township Number T 3 S	Range Number R 18 E/W
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Distance and direction from nearest town or city street address of well if located within city?
Phillipsburg Refinery, Phillipsburg, KS

2 WATER WELL OWNER: **Farmland Industries, Inc.**
 RR#, St. Address, Box # : **P.O. Box 7305, Dept. 141**
 City, State, ZIP Code : **Kansas City, Missouri 64116-0005**
 Board of Agriculture, Division of Water Resources
 Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: N W E S 1 Mile	4 DEPTH OF COMPLETED WELL 40 ft ELEVATION: 0 Depth(s) Groundwater Encountered 1 35 ft 2 ft 3 ft WELL'S STATIC WATER LEVEL 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 40 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"/>
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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 **24.5** ft, Dia in. to ft, Dia in. to ft
 Casing height above land surface **0** in., weight **Sch 40** lbs./ft. Wall thickness or gauge No.
 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 **24.5** ft to **39.5** ft, From ft to ft
 From ft to ft, From ft to ft
 GRAVEL PACK INTERVALS: From **22** ft to **40** 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 **19.5** ft to **22** ft, From **0** ft to **19.5** 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)
 **Refinery**
 Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	1	Sandy Gravelly Clay, Brown			
1	3	Silty Clay, Dark Brown			
3	5	Silty Clay, Brown			
5	12	Clayey Silt, Light Brown			
12	13	Clayey Silt, Brown			
13	15	Silty Clay, Dark Brown			
15	20	Silty Clay, Reddish Brown			
20	28	Silty Clayey Sand, Light Reddish Brown			
28	30	Silty Sandy Clay, Reddish Brown			
30	35	Silty Clayey Sand, Pale Reddish Brown			
35	40	Sand, Light Brown			
					IM-17, Tag # , Flushmount
					Project Name: Phillipsburg Refinery
					GeoCore # 138 , #

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) **5/21/98** 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) **6/21/98**
 under the business name of **GeoCore Services, Inc.** by (signature) *Dale A. Hoff*