

1 LOCATION OF WATER WELL: County: McPherson	Fraction SW ¼ NE ¼ SE ¼	Section Number 5	Township Number T 20 S	Range Number R 3 E/W
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Distance and direction from nearest town or city street address of well if located within city?

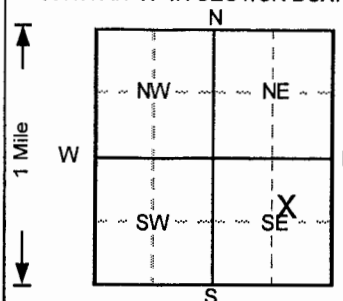
1391 Ironhorse Rd., McPherson2 WATER WELL OWNER: **National Cooperative Refinery Association**RR#, St. Address, Box # : **1391 Ironhorse Road**

Board of Agriculture, Division of Water Resources

City, State, ZIP Code : **McPherson, Kansas 67460**

Application Number:

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

4 DEPTH OF COMPLETED WELL: **123** ft. ELEVATION: **1493.47**Depth(s) Groundwater Encountered 1. **91** ft. 2. **91** ft. 3. **91** ft.WELL'S STATIC WATER LEVEL **91** ft. below land surface measured on mo/day/yrPump test data: Well water was **NA** ft. after **NA** hours pumping **NA** gpmEst. Yield **NA** gpm: Well water was **NA** ft. after **NA** hours pumping **NA** gpmBore Hole Diameter **8** in. to **123.5** ft. and **123.5** in. to **123.5** 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** ✓; If yes, mo/day/yr sample was submittedWater 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

7 Fiberglass

Threaded **✓**Blank casing diameter **4** in. to **83** ft. Dia **4** in. to **83** ft. Dia **4** in. to **83** ft.Casing height above land surface **23.64** in., weight **23.64** lbs./ft. Wall thickness or gauge No. **Sch. 80**

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)

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** ft. to **123** ft. From **83** ft. to **123** ft. From **83** ft. to **123** ft.GRAVEL PACK INTERVALS: From **79.5** ft. to **123.5** ft. From **79.5** ft. to **123.5** ft. From **79.5** ft. to **123.5** ft.

6 GROUT MATERIAL:

1 Neat cement

2 Cement grout**3** Bentonite**4** Other **Concrete**Grout Intervals: From **0** ft. to **3** ft. From **3** ft. to **73** ft. From **73** ft. to **79.5** 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?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	4	Pothole excavation,			
4	10	Clay, silty, Dark Brown			
10	15	Clay, silty, Brown			
15	55	Clay, silty, Lt. Brown			
55	60	Sand, silty, Lt. Brown			
60	75	Sand, Brown			
75	95	Sand, silty, Brown			
95	110	Sand, silty, Lt. Brown			
110	113	Sand, clayey, Brown			
113	118	Clay, Olive Gray			
118	123.5	Sand, some silt, Brown			
					LF-13, Abovegrade
					Project Name: NCRA Refinery - Trihydro
					GeoCore # 875, #

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) **11/6/2006** 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) **12/13/2006**

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