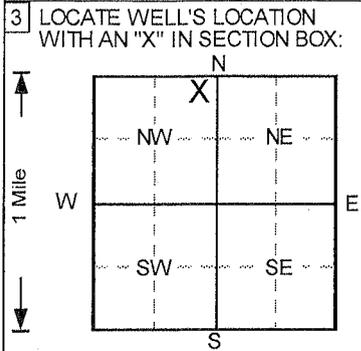


1 LOCATION OF WATER WELL: Fraction **NE 1/4 NE 1/4 NW 1/4** Section Number **28** Township Number **T 19 S** Range Number **R 4 E/W**
 County: **McPherson**
 Distance and direction from nearest town or city street address of well if located within city?
1/2 mi. N, 1 mi. E of Conway, Kansas

2 WATER WELL OWNER: National Cooperative Refinery Assoc.
 RR#, St. Address, Box # **1391 Iron Horse Road**
 City, State, ZIP Code **McPherson, KS 67460**
 Board of Agriculture, Division of Water Resources
 Application Number:



4 DEPTH OF COMPLETED WELL **36** ft. ELEVATION:
 Depth(s) Groundwater Encountered 1. 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 **36** 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 **Recovery**
 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: 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 **6** in. to **26** ft., Dia in. to ft., Dia in. to ft.
 Casing height above land surface **31** in., weight lbs./ft. Wall thickness or gauge No. **Sch. 40**
 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 **26** ft. to **36** ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From **22** ft. to **36** 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 **22** ft., From ft. to 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?

| FROM | TO | LITHOLOGIC LOG | FROM | TO | PLUGGING INTERVALS |
|------|------|--|------|------|--|
| 0 | 2 | Silt, clayey, V. Dark Grayish Brown | 31 | 32 | Shale, Dark Reddish Brown |
| 2 | 3.5 | Clay, tr. silt, Dark Yellowish Brown | 32 | 33.5 | Gravel w/sand, Yellowish Red |
| 3.5 | 5 | No Recovery, | 33.5 | 34.5 | Shale, Dark Reddish Brown |
| 5 | 7.5 | Silt, clayey, V. Dark Grayish Brown | 34.5 | 35 | No Recovery, |
| 7.5 | 11.5 | Clay, tr. silt, Greenish Gray | 35 | 36 | Sand, tr. silt and clay, Yellowish Red |
| 11.5 | 13.5 | Silt, clayey, tr. f sand, Yellowish Red | 36 | 40 | Shale, Dark Reddish Brown |
| 13.5 | 15 | No Recovery, | | | |
| 15 | 19 | Silt, tr. clay and sand, Brown | | | |
| 19 | 20 | No Recovery, | | | |
| 20 | 23 | Silt, tr. clay and sand, Brown | | | |
| 23 | 25 | Caliche, Pink | | | |
| 25 | 27.5 | Silt, sandy, tr. clay, Lt. Greenish Gray | | | |
| 27.5 | 28 | Sand, Strong Brown | | | RW-12-2S, Abovegrade |
| 28 | 30 | Clay, silty, Yellowish Red | | | |
| 30 | 31 | Sand, Yellowish Red | | | |

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) **9/26/2012** 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) **10/25/12**
 under the business name of **GeoCore, Inc.** by (signature) *Dale [unclear]*

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