

WATER WELL RECORD Form WWC-5

☒ Original Record ☐ Correction ☐ Change in Well Use

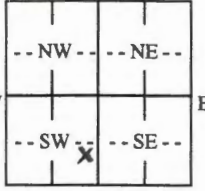
Division of Water
Resources App. No.

CMW-6D

Well ID

1 LOCATION OF WATER WELL: County: McPherson	Fraction NE 1/4 NE 1/4 SE 1/4 SW 1/4	Section Number 22	Township Number T 19 S	Range Number R 3 ☐ E ☒ W
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2 WELL OWNER: Last Name: CHS McPherson Refinery Inc. Business: CHS McPherson Refinery Inc. Address: 1391 Iron Horse Road Address: City: McPherson State: KS ZIP: 67460	First: Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here: ☐ 1901 E. First Street, McPherson
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3 LOCATE WELL WITH "X" IN SECTION BOX: N  W S E 1 mile	4 DEPTH OF COMPLETED WELL: 80 ft. Depth(s) Groundwater Encountered: 1) ft. 2) ft. 3) ft. or 4) ☐ Dry Well WELL'S STATIC WATER LEVEL: ft. ☐ below land surface, measured on (mo-day-yr) ☐ above land surface, measured on (mo-day-yr) Pump test data: Well water was ft. after hours pumping gpm Well water was ft. after hours pumping gpm Estimated Yield: gpm Bore Hole Diameter: 8 in. to 80 ft. and in. to ft.	5 Latitude: 38.380275 (decimal degrees) Longitude: 97.639330 (decimal degrees) Horizontal Datum: ☒ WGS 84 ☐ NAD 83 ☐ NAD 27 Source for Latitude/Longitude: ☐ GPS (unit make/model:) (WAAS enabled? ☐ Yes ☐ No) ☒ Land Survey ☐ Topographic Map ☐ Online Mapper:
	6 Elevation: 1500.42 ft. ☒ Ground Level ☐ TOC Source: ☒ Land Survey ☐ GPS ☐ Topographic Map ☐ Other	

7 WELL WATER TO BE USED AS: 1. Domestic: ☐ Household ☐ Lawn & Garden ☐ Livestock 2. ☐ Irrigation 3. ☐ Feedlot 4. ☐ Industrial 5. ☐ Public Water Supply: well ID 6. ☐ Dewatering: how many wells? 7. ☐ Aquifer Recharge: well ID 8. ☒ Monitoring: well ID CMW-6D 9. Environmental Remediation: well ID ☐ Air Sparge ☐ Soil Vapor Extraction ☐ Recovery ☐ Injection 10. ☐ Oil Field Water Supply: lease 11. Test Hole: well ID ☐ Cased ☐ Uncased ☐ Geotechnical 12. Geothermal: how many bores? a) Closed Loop ☐ Horizontal ☐ Vertical b) Open Loop ☐ Surface Discharge ☐ Inj. of Water 13. ☐ Other (specify):		
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Was a chemical/bacteriological sample submitted to KDHE? ☐ Yes ☒ No If yes, date sample was submitted:
 Water well disinfected? ☐ Yes ☒ No

8 TYPE OF CASING USED: ☐ Steel ☒ PVC ☐ Other CASING JOINTS: ☐ Glued ☐ Clamped ☐ Welded ☒ Threaded
 Casing diameter 2 in. to 70 ft., Diameter in. to ft., Diameter in. to ft.
 Casing height above land surface 6.12 in. Weight lbs./ft. Wall thickness or gauge No. Sch. 40

TYPE OF SCREEN OR PERFORATION MATERIAL:
☐ Steel ☐ Stainless Steel ☐ Fiberglass ☒ PVC ☐ Other (Specify)
☐ Brass ☐ Galvanized Steel ☐ Concrete tile ☐ None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:
☐ Continuous Slot ☒ Mill Slot ☐ Gauze Wrapped ☐ Torch Cut ☐ Drilled Holes ☐ Other (Specify)
☐ Louvered Shutter ☐ Key Punched ☐ Wire Wrapped ☐ Saw Cut ☐ None (Open Hole)

SCREEN-PERFORATED INTERVALS: From 70 ft. to 80 ft., From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 68 ft. to 80 ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: ☐ Neat cement ☐ Cement grout ☒ Bentonite ☒ Other Concrete
 Grout Intervals: From 0 ft. to 1 ft., From 1 ft. to 68 ft., From ft. to ft.

Nearest source of possible contamination:
☐ Septic Tank ☐ Lateral Lines ☐ Pit Privy ☐ Livestock Pens ☐ Insecticide Storage
☐ Sewer Lines ☐ Cess Pool ☐ Sewage Lagoon ☐ Fuel Storage ☐ Abandoned Water Well
☐ Watertight Sewer Lines ☐ Seepage Pit ☐ Feedyard ☐ Fertilizer Storage ☐ Oil Well/Gas Well
☐ Other (Specify)
 Direction from well? Distance from well? ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	1	Topsoil, Brown-Black	40	48	Sand, f
1	3	Clay, silty, Dark Brown	48	77	Clay, silty
3	22	Silt, clayey	77	79	Sand, f-m, silty
22	24	Sand, f, silty and clayey	79	80	Clay, silty w/some f sand, Brown and Tan
24	26	Silt, clayey, Gray and Orange			
26	29	Sand, f, clayey and silty			
29	32	Clay, Gray and Brown			
32	34	Sand, f, clayey, Gray			
34	40	Silt, Gray and Orange mottling			

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was ☒ constructed, ☐ reconstructed, or ☐ plugged under my jurisdiction and was completed on (mo-day-year) 12/13/2019 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-year) 1/24/2019 under the business name of GeoCore Inc. Signature: *Cal Bell*



CHS McPherson Refinery Inc.
Wells located near:
1901 E. First Street, McPherson

GPS Coordinates:

CMW-5D: 38.377837, -97.639902
CMW-5S: 38.377837, -97.639890
CMW-6D: 38.380275, -97.639330
CMW-6S: 38.380275, -97.639317

MW-30S: 38.378856, -97.640317
MW-31S: 38.378288, -97.639658

RECEIVED

MAR 08 2019

BUREAU OF WATER