

WATER WELL RECORD Form WWC-5

☒ Original Record ☐ Correction ☐ Change in Well Use

Division of Water
Resources App. No.

MW-30S

Well ID

1 LOCATION OF WATER WELL: County: McPherson	Fraction SE ¼ NE ¼ SE ¼ SW ¼	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 E S 1 mile	4 DEPTH OF COMPLETED WELL: 50 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: 11 in. to 50 ft. and in. to ft.	5 Latitude: 38.378856 (decimal degrees) Longitude: -97.640317 (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:
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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 MW-30S 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 4 in. to 25 ft., Diameter in. to ft., Diameter in. to ft.
Casing height above land surface 4.8 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 25 ft. to 50 ft., From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 23 ft. to 50 ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: ☐ Neat cement ☐ Cement grout ☒ Bentonite ☒ Concrete
Grout Intervals: From 0 ft. to 1 ft., From 1 ft. to 23 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	24	25	Silt, clayey, Gray w/Orange & Blk mottling
1	3	Clay, silty, Dark Brown	25	25.5	Caliche
3	12	Silt, clayey	25.5	30	Silt, sandy
12	12.5	Caliche	30	32	Sand, f-m
12.5	14	Silt, clayey, Tan and Brown	32	45	Clay
14	15	Caliche	45	50	No Recovery
15	17	Silt, clayey and sandy, Tan and Brown	Notes:		
17	22	Silt, sandy			
22	24	Sand, f-m, clayey			

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) 12/17/2019 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: [Signature]



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