

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No.

[]

Well ID

MW-4

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: Shawnee Fraction SE 1/4 SE 1/4 NE 1/4 SE 1/4 Section Number 8 Township Number T 12 S Range Number R 16 E W

2 WELL OWNER: Last Name: Greenfield Environmental Multistate Trust LLC First: Address: 1920 232nd Place SE City: Bothell State: WA ZIP: 98021 Street or Rural Address where well is located: Former Kerr-McGee #6788 2635 SE California Avenue, Topeka, KS 66605

3 LOCATE WELL WITH 'X' IN SECTION BOX: N E W S [] mile []

4 DEPTH OF COMPLETED WELL: 19.5 ft. Depth(s) Groundwater Encountered: 1) ... ft. 2) N/A ft. 3) N/A ft. or 4) Dry Well WELL'S STATIC WATER LEVEL: 13.74 ft. below land surface, measured on (mo-day-yr) 12/27/18

5 Latitude: 39.01937 (decimal degrees) Longitude: -95.65196 (decimal degrees) Horizontal Datum: WGS 84 NAD 83 NAD 27 Source for Latitude/Longitude: GPS (unit make/model) Land Survey Topographic Map Online Mapper

6 Elevation: 1001.07 ft. Ground Level TOC Source: Land Survey GPS Topographic Map Other

7 WELL WATER TO BE USED AS: 1. Domestic: Household Lawn & Garden Livestock Irrigation Feedlot Industrial 2. Public Water Supply: well ID 3. Dewatering: how many wells? 4. Aquifer Recharge: well ID 5. Monitoring: well ID MW-4 6. Environmental Remediation: well ID 7. Air Sparge Soil Vapor Extraction Recovery Injection 8. Oil Field Water Supply: lease 9. Test Hole: well ID Cased Uncased Geotechnical 10. Geothermal: how many bores? a) Closed Loop Horizontal Vertical b) Open Loop Surface Discharge Inj. of Water 11. Other (specify):

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 4.5 ft., Diameter N/A in. to N/A ft., Diameter N/A in. to N/A ft. Casing height above land surface 0 in. Weight N/A 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 4.5 ft. to 19.5 ft., From N/A ft. to N/A ft., From N/A ft. to N/A ft. GRAVEL PACK INTERVALS: From 3.5 ft. to 19.5 ft., From N/A ft. to N/A ft., From N/A ft. to N/A ft.

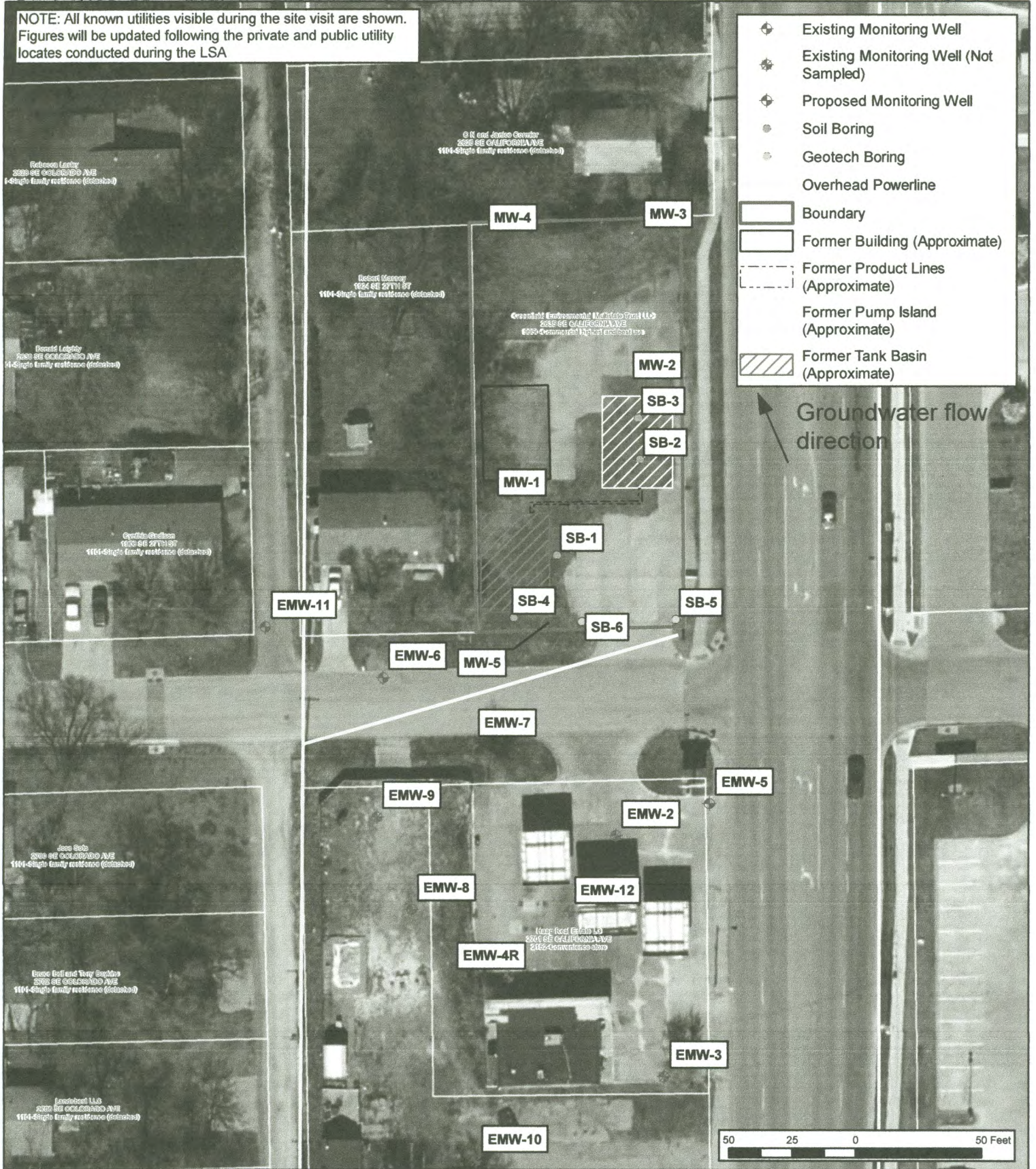
9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Concrete 0 to 2 Grout Intervals: From 2 ft. to 3.5 ft., From N/A ft. to N/A ft., From N/A ft. to N/A ft.

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 Sepage Pit Feedyard Fertilizer Storage Oil Well/Gas Well Other (Specify) Direction from well? South Distance from well? 265 ft.

Table with 6 columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Includes 'Attached' and 'Notes' sections.

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) 12-17-2018 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 759 This Water Well Record was completed on (mo-day-year) 1/29/2019 under the business name of RAZEK Environmental, LLC Signature

NOTE: All known utilities visible during the site visit are shown. Figures will be updated following the private and public utility locates conducted during the LSA



DESIGNED BY:	CC
DRAWN BY:	CC
CHECKED BY:	RW
APPROVED BY:	AW
DATE:	AUGUST 2018



**Detailed Site Map Location
Kerr-McGee #6788**

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2635 California Avenue
Topeka, Kansas
U4-089-00535

Figure	2	Limited Site Assessment Work Plan

Shawnee CO

Owner: Greenfield Environmental Multistate Trust LLC JE SE NE SE 8-12-16E

PROJECT: Former Kerr-McGee #6788	PROJECT NUMBER: U4-089-00535	CLIENT: Greenfield Environmental Multistate Trust LLC	BORING NO.: MW4
STREET ADDRESS: 2635 California Ave. CITY, STATE: Topeka, Kansas		DRILLING CONTRACTOR: Razek	DRILL RIG TYPE: DPT/HSA
GEOLOGIST: Chris Carey	DATE	BORING STARTED: 12/17/18 DIAMETER: 11"/8.25"	TOP OF CASING ELEVATION:
DRILL CREW: Greg Goode, Tony Poulter	COMPLETED: 12/17/18	TOTAL DEPTH: 19.5'	GROUNDWATER DEPTH: 13.37'
PAD ELEVATION:			SWL ELEVATION:

DEPTH (ft)	Soil Group Name: modifier, color, moisture, density/consistency, grain size, other descriptors		PID (ppm)	LAB SAMPLES	BORING COMPLETION
	Rock Description: modifier color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions.				
0 - 5	Airknifed; No Recovery.				
5 - 14	CLAY. Silty, tan-brown, plastic, stiff, dry, limestone fragments.		0		
14 - 19.5	SILT. Tan with grey mottling, dry.		0		
19.5	SHALE. Grey.		0		
<p>Total Depth = 19.5' Casing Diameter=2"</p> <p>Borings air knifed from 0-5'. Probe refusal at 14' below ground surface</p>					
<p>ABBREVIATIONS: HSA - Hollow-stem auger DPT - Direct-push technology UNK - Unknown NR - No Recovery PID - Photonization detector</p>					

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