County: Geary Fraction: SE NE NW SW Sec. 28 T. 11 S R. 6 E

CORRECTION(S) to WATER WELL COMPLETION RECORD **Form WWC-5** (to rectify lacking or incorrect information)

Owner: Fort Riley (David Jones) 354-19-32

If location corrected, was listed as:	Location changed to:
Section-Township-Range: none listed	28-11-6E
Fraction (¼ calls): none listed	SE NE NW SW

Other changes: Initial statements: Latitude wrong.

Changed to: 39.0649658 from 32.0649658

Comments:

Verification method: Correct S-T-R and fractions found by entering Latitude and Longitude in LEOWEB. Matched location with site map on the KGS mapper

Initials: SH Date: 01-27-2021

Submitted by: ■ Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 66047-3724
☐ Kansas Dept. of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367

(rev 01/26/2018)

WATER WELL RECORD Form WWC-5

■ Original Record ☐ Correction ☐ Change in Well Use

Division of Water Resources App. No. _____ Well ID 354-19-32

1 LOCATION OF WATER WELL: County: Geary | Fraction: ¼ ¼ ¼ ¼ | Section Number | Township Number T S | Range Number R ☐E ☐W

2 WELL OWNER: Last Name: Jones First: David
Business: Fort Riley
Address: Sheridan Hall Building 407 Pershing Court
Address:
City: Fort Riley State: KS ZIP: 66442

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: ☐
Fort Riley Building #354
Fort Riley, KS 66442

3 LOCATE WELL WITH "X" IN SECTION BOX:
N / W / E / S; NW, NE, SW, SE; |---------1 mile---------|

4 DEPTH OF COMPLETED WELL: 51.0 ft.
Depth(s) Groundwater Encountered: 1) 40 ft. 2) N/A ft. 3) N/A ft., or 4) ☐ Dry Well
WELL'S STATIC WATER LEVEL: 40.27 ft.
■ below land surface, measured on (mo-day-yr) 12-9-2019
☐ above land surface, measured on (mo-day-yr) .....
Pump test data: Well water was N/A ft. after N/A hours pumping N/A gpm
Well water was N/A ft. after N/A hours pumping N/A gpm
Estimated Yield: N/A gpm
Bore Hole Diameter: 8.25 in. to 51.0 ft. and N/A in. to N/A ft.

5 Latitude: 32.0649658 (decimal degrees)
Longitude: -96.7766528 (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: 1108.375 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 354-19-32
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): .....

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 41 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 41 ft. to 51 ft., From N/A ft. to N/A ft., From N/A ft. to N/A ft.
GRAVEL PACK INTERVALS: From 37.5 ft. to 51 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 0-2 feet
Grout Intervals: From 2 ft. to 37.5 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 ☐ Seepage Pit ☐ Feedyard ☐ Fertilizer Storage ☐ Oil Well/Gas Well
■ Other (Specify) Solvent storage at former Building 354
Direction from well? Northeast Distance from well? 1,000 ft.

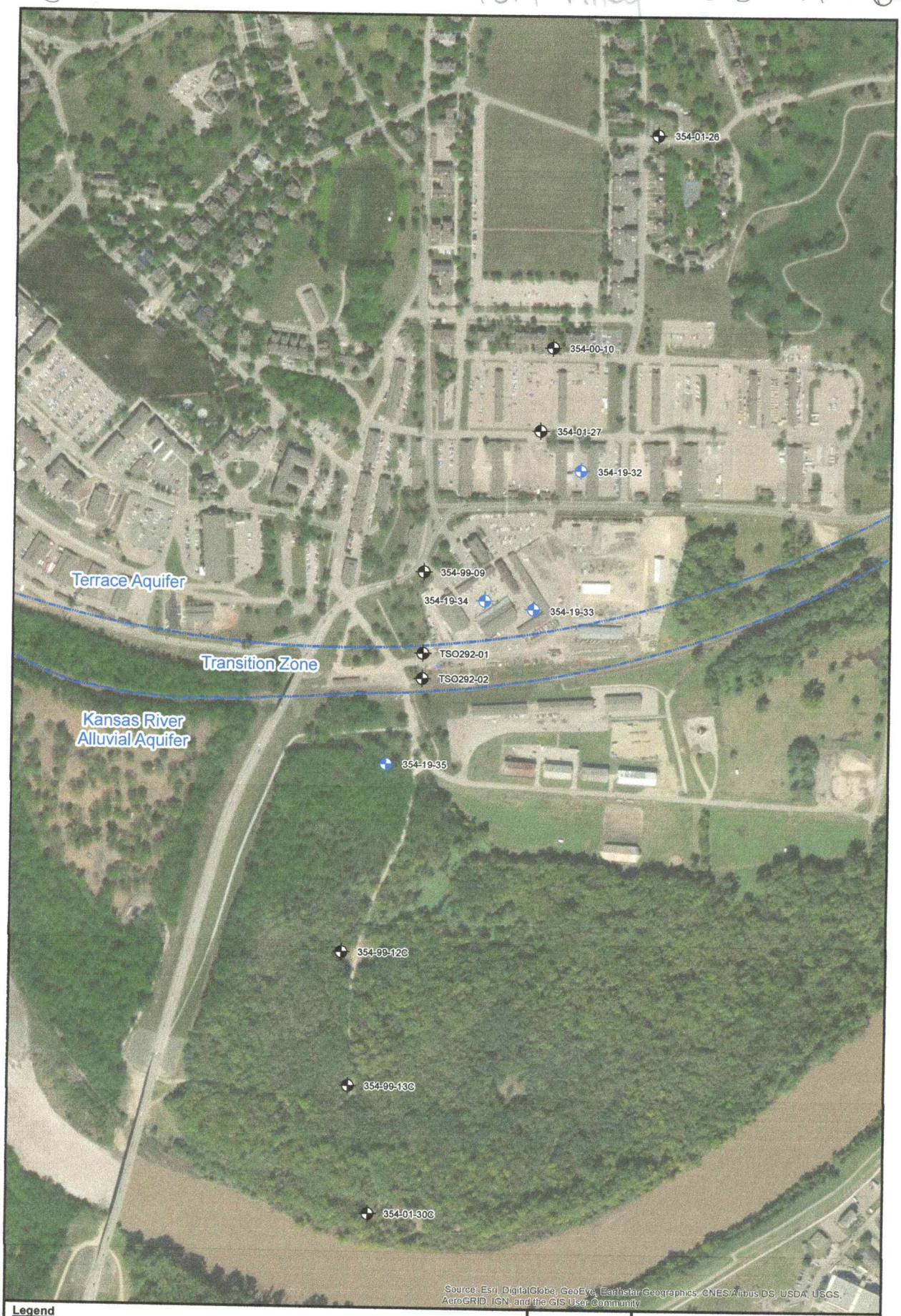
10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
		(Attached)			

Notes:

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) 12/9/2019 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) 1/8/2020 under the business name of RAZEK Environmental, LLC Signature .....

Mail 1 white copy along with a fee of $5.00 for each constructed well to: Kansas Department of Health and Environment, Bureau of Water, GWTS Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Mail one to Water Well Owner and retain one for your records. Telephone 785-296-5524.
Visit us at http://www.kdheks.gov/waterwell/index.html KSA 82a-1212 **Revised 7/10/2015**

Fort Riley 28-11-6E



Legend

- Proposed Monitoring Well
- Existing Monitoring Well
- Aquifer Boundary

400 200 0 400
Feet

Tehama
BURNS McDONNELL

FIGURE 17-1
PROPOSED AND EXISTING
MONITORING WELL LOCATION MAP
354 AREA SOLVENT DETECTIONS
UFP-QAPP
FORT RILEY, KANSAS

Path: Z:\Clients\ENSUS\COE117336_BLDG354\Studies\Geospatial\Docs\Figure 17-1_354 Solvent Detection Area Well Location Map_UFP_QAPP.mxd

Issued: July, 12 2019

Work Fort Riley

HTW DRILLING LOG

HOLE NO. 354-19-32

SHEET 1 OF 7 SHEETS

1. COMPANY NAME: Burns + McDonnell	2. DRILLING SUBCONTRACTOR: RAZEK
3. PROJECT: 354 Area Solvent Detections	4. LOCATION: 354 AREA Fort Riley
5. NAME OF DRILLER: Tony Poulter	6. MANUFACTURER'S DESIGNATION OF DRILL: Geoprobe
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: 2" DPT MacroCore; 8.25" HSA	8. HOLE LOCATION
	9. SURFACE ELEVATION: NA
	10. DATE STARTED: 12/9/19 — 11. DATE COMPLETED: 12/9/19
12. OVERBURDEN THICKNESS: 51'	15. DEPTH GROUNDWATER ENCOUNTERED: 42'
13. DEPTH DRILLED INTO ROCK: NA	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: NA
14. TOTAL DEPTH OF HOLE: 51'	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): NA

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
NA	NA	NA	NA	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Monitoring Well Installed	NA	Flush Mount	NA	Dax Baker

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d PID	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	~~BLOW COUNTS~~ Recovery g	REMARKS h
	1	Clay, trace silt, very dark grayish brown 10YR (3/2), medium plasticity, medium stiffness, damp, CL.	0.0	NA	NA		Start Drilling 1110
	2	Clay, with silt, dark brown 7YR (3/4), trace plasticity, medium stiffness, damp, CL.	0.0				
	3		0.0				
	4	Silt, some clay, dark brown 10YR (3/4), nonplastic, soft, damp, ML.	0.0				
	5	Sand, w/silt, dark brown 7YR (3/4), nonplastic, soft, fine grain, damp, quartz SM.	0.0			4/5	1115

MRK FORM JUN 89 55

PROJECT

HOLE NO.

Geary Fort Riley

HTW DRILLING LOG

354-19-32

PROJECT: 354 Area Solvent Detections

INSPECTOR: Day BL

SHEET 2 OF 7 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS REGOV.	REMARKS h
	5		0.0				1116
		Sand, fine grain, trace silt, yellowish brown 10YR(5/6), non-plastic, soft, damp, quartz, SM. Poorly graded					
	6		0.0				
	7		0.0				
	8		0.0				
	9		0.0				
	10		0.0			4/5	1121 1122
	11		0.0				
	12		0.0				
		Sand, fine grain, light yellowish brown 2.5Y(6/4), loose, soft, damp, poorly graded, quartz. SP.					
	13		0.0				
	14	becomes moist with trace Fe oxide staining	0.0				

MRK FORM JUN 89 55-2

PROJECT

HOLE NO.

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO. 334-A-32
		SHEET 3 OF 7 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS Begou. g	REMARKS h
	14		0.0				
	15		0.0			3/5	1126
							1127
	16		0.0				
		Silt, some fine grain sand, yellowish brown 10YR (5/6), non plastic, soft, damp, ML.	0.0				
	17						
	18		0.0				
	19		0.0				
		Sand, fine grain, trace silt, brown 7.5YR (4/4), non plastic, soft, loose, uniform grading, damp, quartz, some Fe oxide staining. SM.	0.0			4/5	1130
	20						1134
	21		0.0				
	22		0.0				
	23		0.0				

MRK FORM JUN 89 55-2

PROJECT

HOLE NO.

Geary Fort Riley

HTW DRILLING LOG

HOLE NO. 354-19-32

PROJECT 354 Area Solvent Detections

INSPECTOR Dy BC

SHEET 4 OF 7 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
	23		0.0				
	24		0.0				
	25	Silt, some Finegrain sand, dark yellowish brown 10YR(4/6), non-Plastic, soft, damp, ML.	0.0			4/5	1140
	26	with/ trace fine grain sand	0.0				1142
	27	Sand, fine grain, light yellowish brown 2.5Y(6/4), loose, soft, damp, quartz, uniform grading. SP.	0.0				
	28		0.0				
	29		0.0				
	30		0.0			4/5	1149
	31		0.0				1156
	32		0.0				

MRK FORM JUN 89 55-2

PROJECT

HOLE NO.

Hanford Fort Rile

HTW DRILLING LOG

PROJECT: 354 Area Solvent Detection | INSPECTOR: Dept B | HOLE NO.: 354-19-32 | SHEET 5 OF 7 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS Degou.	REMARKS h
	32		0.0				
		becomes moist					
	33		0.0				
		Sand, fine grain, trace sandstone gravel, subangular, loose, soft, moist, poorly graded, quartz. SP. dark yellowish brown 10YR (4/4)					
	34		0.0				
	35		0.0			3/5	1203
							1206
	36		0.0				
	37		6.0				
	38		6.0				
		sand, Fine to medium grain, dark yellowish brown 10YR (4/4), loose, soft, moist, well graded, quartz. SW.					
	39		0.0				
		Fe oxide staining trace					
	40		0.0			3/5	1212
							1214
	41		6.0				

MRK FORM JUN 89 55-2 | PROJECT | HOLE NO.

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
364 Area Solvent Detection	Dale Bark	354-19-32
		SHEET 2 OF 7 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
	41		6.0				
	42	becomes wet	0.0				▽
	43	Sand very fine grain, w/silt, dark yellowish brown 10YR 4/4), non plastic, soft, loose, poorly graded, wet, quartz, SM.	0.0				
	44		0.0				
	45		0.0				1222
		Sand, fine to medium grain, light yellowish brown 2.5Y 6/4), loose, soft, wet, quartz, minor K-feldspar, well graded. SW.					1228
	46		0.0				
	47		0.0				
	48		0.0				
		Sand, medium to coarse, trace gravel, yellowish brown 10YR 5/4), loose, soft, well graded, quartz, trace K-feldspar, subangular, SW.					
	49		0.0				
	50	w/ some gravel, coarse	0.0				1235

HTW DRILLING LOG

PROJECT: 354 Area Solvent Detection | INSPECTOR: Ray BC | HOLE NO.: 354-19-32 | SHEET 7 OF 7 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS Recov.	REMARKS h
	50		0.0				1237
	51	TD: 51.0'	0.0			1/5	stop 1240 Refusal 51'

MRK FORM JUN 89 55-2 | PROJECT | HOLE NO.