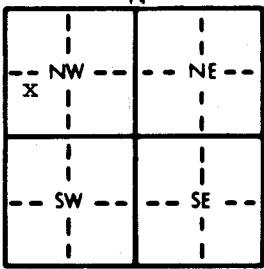


1 LOCATION OF WATER WELL:	Fraction	NE 1/4	Section Number	Township Number	Range Number
County: Johnson	NW 1/4 SW 1/4 NW 1/4	6	T 12 S	R 24	EMX

Distance and direction from nearest town or city street address of well if located within city?

Page 1 of 4

2 WATER WELL OWNER: Deffenbaugh Industries, Inc.	Doepke-Holliday MW #8A
RR#, St. Address, Box #: 18181 West 53rd Street	Board of Agriculture, Division of Water Resources
City, State, ZIP Code: Shawnee, Kansas 66217	Application Number: NA

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	4 DEPTH OF COMPLETED WELL: 53 ft. ELEVATION: 887.3 MSL
	Depth(s) Groundwater Encountered 1. 4.7 ft. 2. ft. 3. ft. WELL'S STATIC WATER LEVEL: none ft. below land surface measured on mo/day/yr Pump test data: Well water was ft. after hours pumping gpm Est. Yield gpm: Well water was ft. after hours pumping gpm Bore Hole Diameter: 5 5/8 in. to 53.0 ft., and in. to ft. WELL WATER TO BE USED AS: 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 Observation well test hole 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	NONE	Threaded
Blank casing diameter: NONE in. to ft., Dia. in. to ft., Dia. in. to ft.				
Casing height above land surface: in., weight lbs./ft. Wall thickness or gauge No.				
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 NONE ft. to ft., From ft. to ft., From ft. to ft.				
GRAVEL PACK INTERVALS: From NONE 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 53 ft., From ft. to ft., From ft. to ft.				
What is the nearest source of possible contamination:	10 Livestock pens	14 Abandoned water well		
1 Septic tank	4 Lateral lines	7 Pit privy	11 Fuel storage	15 Oil well/Gas well
2 Sewer lines	5 Cess pool	8 Sewage lagoon	12 Fertilizer storage	16 Other (specify below)
3 Watertight sewer lines	6 Seepage pit	9 Feedyard	13 Insecticide storage	
Direction from well?			How many feet?	

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
		January 21, 1988	30.0	32.0	ls. boulders - lost circulation
0.0	6.0	ls. & shales - rubble dry (fill material)			Hooked up H2O injection with air
6.0	9.0	shales - reworked - dk. gr. to brownish gr. dry some ls. rocks and chips (fill material)	32.0	39.0	OVA readings elevated
9.0	12.0	ls. and shales rubble (fill material)			ls. rubble - no circulation -
12.0	13.0	shale - reworked - dry olive, brown (fill material)			caverns & cavities - spent next
13.0	19.0	limestone rocks - hard dense boulders - rubble-dry (fill material)			6 hrs. redrilling this zone from
19.0	30.0	limestone boulders and shales - dry (fill material)			30' to 39'. Hole caving in badly
					at 34' to 39'.

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) not completed and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 483 This Water Well Record was completed on (mo/day/year) Feb. 6, 1988 under the business name of Total Env. Services + Technologies by (signature) Dwight Brinkley

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water Protection, Topeka, Kansas 66620-7320, Telephone: 913-862-9360. Send one to WATER WELL OWNER and retain one for your records.

1 LOCATION OF WATER WELL: Fraction NE1/4 Section Number Township Number Range Number
 County: Johnson NW 1/4 SW 1/4 NW 1/4 6 T 12 S R 24 E/W

Distance and direction from nearest town or city street address of well if located within city?

2 WATER WELL OWNER: Deffenbaugh Industries, Inc. Doepke-Holliday Site MW 8A
 RR#, St. Address, Box #: 18181 West 53rd Street Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: Shawnee, Kansas 66217 Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 53 ft. ELEVATION: 887.3 MSL

Depth(s) Groundwater Encountered 1. 47? ft. 2. ft. 3. ft.

WELL'S STATIC WATER LEVEL: NONE ft. below land surface measured on mo/day/yr

Pump test data: Well water was ft. after hours pumping gpm

Est. Yield gpm: Well water was ft. after hours pumping gpm

Bore Hole Diameter: 5 5/8 in. to 53.0 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 use 10 Observation well

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: NONE in. to ft. Dia in. to ft. Dia in. to ft.

Casing height above land surface in. weight lbs./ft. Wall thickness or gauge No.

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: NONE ft. to ft. From ft. to ft.

From ft. to ft. From ft. to ft.

GRAVEL PACK INTERVALS: From ft. to ft. From ft. to ft.

From NONE 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 53 ft. From ft. to ft. From ft. to ft.

What is the nearest source of possible contamination: 10 Livestock pens 14 Abandoned water well

1 Septic tank 4 Lateral lines 7 Pit privy 11 Fuel storage 15 Oil well/Gas well

2 Sewer lines 5 Cess pool 8 Sewage lagoon 12 Fertilizer storage 16 Other (specify below)

3 Watertight sewer lines 6 Seepage pit 9 Feedyard 13 Insecticide storage

Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
		January 22, 1988			from 50-70 psig to 150-200 psig
		From 30 to 39' used 600 lbs. Bentonite heavy			indicating circulation back up
		drill mud to seal zone of caving - Re-drilled			hole and tight formation.
		zone from 34 to 39' stayed open			Stopped at 49' for day.
39.0	47.0	drilled blind - no circulation			
		return - drilled like ls. rubble			
		boulders and rocks of lms. used			
		mud rotary method to hold hole			
		open - but had no return of			
		circulation to surface.			
47.0	49.0	mud rotary method - no circulation			
		to surface. Drilled like shale -			
		hd. compact. Mud pressure went			

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) Not Completed and this record is true to the best of my knowledge and belief. Kansas

Water Well Contractor's License No. 483 This Water Well Record was completed on (mo/day/yr) Feb. 6, 1988

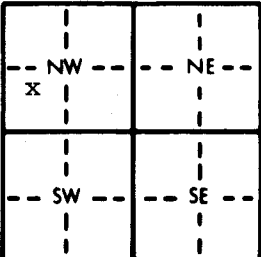
under the business name of Total Env. Services + Technologies by (signature) Dwight Buckley

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1 LOCATION OF WATER WELL: County: Johnson	Fraction NW 1/4 NE 1/4 SW 1/4 NW 1/4	Section Number 6	Township Number T 12 S	Range Number R 24 E
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Distance and direction from nearest town or city street address of well if located within city?

2 WATER WELL OWNER: Deffenbaugh Industries, Inc. RR#, St. Address, Box #: 18181 West 53rd Street City, State, ZIP Code: Shawnee, Kansas 66217	Doepke-Holliday MW-8A Board of Agriculture, Division of Water Resources Application Number:
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3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: 	4 DEPTH OF COMPLETED WELL: 53 ft. ELEVATION: 887.3 H75L Depth(s) Groundwater Encountered 1. 47. ? ft. 2. ft. 3. ft. WELL'S STATIC WATER LEVEL: NONE ft. below land surface measured on mo/day/yr Pump test data: Well water was ft. after hours pumping gpm Est. Yield gpm: Well water was ft. after hours pumping gpm Bore Hole Diameter: 5 5/8 in. to 53.0 ft. and in. to ft. WELL WATER TO BE USED AS: 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 Observation well Was a chemical/bacteriological sample submitted to Department? Yes No If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes No
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5 TYPE OF BLANK CASING USED: 1 Steel 3 RMP (SR) 2 PVC 4 ABS Blank casing diameter: NONE in. to ft., Dia. in. to ft. Casing height above land surface: in., weight lbs./ft. Wall thickness or gauge No. TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole) 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes SCREEN-PERFORATED INTERVALS: From: NONE ft. to ft., From ft. to ft. GRAVEL PACK INTERVALS: From: NONE ft. to ft., From ft. to ft.	CASING JOINTS: Glued Clamped Welded Threaded
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6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other Grout Intervals: From: 0 ft. to 53 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	LITHOLOGIC LOG
		January 25, 1988 - No Drilling	49	53	Drilled blind - like shale - no
		Chill Factor: -30 F			cutting return to surface -
		January 26, 1988 - No Drilling			stopped at 53'
		Chill Factor: 0 F			
		January 27, 1988 - No Drilling			Was going to set 20' screen - 33' casing
		Good Weather - Drilling crews at			because hole caved in (collapsed at the
		funeral in Oklahoma			34 foot level again) Redrilled hole
					again and again using mud rotary -
		January 28, 1988			air/water rotary methods for 4 hours
					Could not get drill hole to stay open
		Set drill rods to 49' to continue hole -			Abandoned this hole and plug it at
		hole open - some circulation - air			later date.
		rotary - OVA - readings			Plugged Feb 4 + 5, 1988

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) ... Not Completed ... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 483 This Water Well Record was completed on (mo/day/yr) Feb 6, 1988 under the business name of Total Env. Services & Technologies by (signature) Dwight Brinkley

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KSA 82a-1212

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) .. February 4 and 5, 1988..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 483..... This Water Well Record was completed on (mo/day/yr) .. February 6, 1988..... under the business name of Total Environmental Services & Technologies (signature) Dwight Brinkley

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