WATER WELL R		WWC-5	Div	ision of Water			
✓ Original Record		<del></del>		ources App. No	· •	Well ID	
1 LOCATION OF W	ATER WELL:			tion Number			
County: Grant	<del></del>	NW 1/4 SE 1/4 SE 1/4		1	T 30 S	R 36 □ E 🗷 W	
2 WELL OWNER: L	ast Name: Zulauf	First: Zach			here well is located		
Business: 8454 East	R4 20		direction from	nearest town or i	ntersection): If at owner	's address, check here:	
Address:	11d 20		Intersection	ntersection South Road R & 20			
City: Ulvsses	State: KS	ZIP: 67880	Go east 1/4	Mile and No	orth 750'		
3 LOCATE WELL	4 DEPTH OF CO	MPLETED WELL: .	540 ↔	5 I otitue	37 46182	0(decimal degrees)	
WITH "X" IN		r Encountered: 1)3.		. 5 Lautud	101 2094	193 (decimal degrees)	
SECTION BOX:		3) ft., or 4)			☑ WGS 84 □ NAD		
WELL'S STATIC WATER LEVEL: 320 ft.			0 ft.	Source	for Latitude/Longitude:	05 LINAD 27	
☑ below land surface, measured on (mo-day-yr).08/19/201			yr) 08/19/2019	□GP		)	
NW NE		e, measured on (mo-day-			(WAAS enabled? □		
		water was fi irs pumping f			nd Survey		
W E		water was f		☐ Un	line Mapper:		
SW SE	after hou	irs pumping			2011		
	Estimated Vield: 3	() anm		6 Elevati	6 Elevation: .3011ft. ☑ Ground Level ☐ TOC		
S	Bore Hole Diameter:	1.5 in. to 540	ft. and	Source:	Land Survey L G	PS Topographic Map	
mile		in. to	ft.		U Other MARAMA		
7 WELL WATER TO 1. Domestic:		I-4 C		10 🗖 07	D' 11W . O 1 1		
☐ Household		Vater Supply: well ID ing: how many wells?				ase	
☐ Lawn & Garden		Recharge: well ID			11. Test Hole: well ID		
Z Livestock		ing: well ID			rmal: how many bores?		
2.   Irrigation	<ol><li>Environment</li></ol>	ntal Remediation: well ID			sed Loop 🔲 Horizonta		
3. ☐ Feedlot		ge	Extraction			charge	
4. Industrial	☐ Recover						
Was a chemical/bacter	iological sample sub	mitted to KDHE? 🔲	Yes 🛮 No	If yes, date	sample was submitted	l:	
Water well disinfected?	✓ Yes No						
8 TYPE OF CASING	USED:   Steel   P	VC  Other	CASII	NG JOINTS:	☐ Glued ☑ Clamped	☐ Welded ☐ Threaded	
Casing diameter 6 Casing height above land s	In. 10 1	in Weight	in. to	ft., Diame	ter in. to ess or gauge No. SDR	It. 17	
TYPE OF SCREEN OR	R PERFORATION M.	ATERIAL:	103./16.	wan tilickii	css of gauge 140s. s.:	`````````````	
	nless Steel	<b>☑</b> PVC		Othe	r (Specify) SCH	80 480'-540'	
	anized Steel	☐ None u	sed (open hole		• • • • • • • • • • • • • • • • • • • •		
SCREEN OR PERFOR							
Continuous Slot					Other (Specify)		
Louvered Shutter SCREEN-PERFORATE	☐ Key Punched ☐	Wire Wrapped Sar	w Cut LIN	lone (Open Ho	le)	0	
GRAVEL PAGE	ED INTERVALS: FR	om	ft., From .			ft. to ft.	
9 GROUT MATERIA	L: Neat cement	Cement grout	ntonite $\Box$	<del></del>	rioiii	9.9 II. 109.3.9 II.	
9 GROUT MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other							
Nearest source of possible contamination: No potential source of contamination within 200 ft.							
☐ 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							
☐ Watertight Sewer Lines ☐ Seepage Pit ☐ Feedyard ☐ Fertilizer Storage ☐ Oil Well/Gas Well							
Other (Specify) Direction from well? E Distance from well? 300 ft.							
10 FROM TO	LITHOLO	OGIC LOG	FROM	TO L	ITHO. LOG (cont.) or l	PLUGGING INTERVALS	
Attached Attached A	Attached						
			-				
-			Notes:				
140tes:							
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) 08/19/2019 and this record is true to the best of my knowledge and belief							
Kansas Water Well Contractor's License No. 846 This Water Well Record was completed on (mo-day-year) .09/19/2019under the business name of Nash Water Well Service, LLC							
Send one copy to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.							
KS Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-3565.							
Visit us at <a href="http://www.kdheks.gov/waterwell/index.html">http://www.kdheks.gov/waterwell/index.html</a> <a href="http://www.kdheks.gov/waterwell/index.html">KSA 82a-1212</a>							

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Form	WWC5
Contractor	Nash Water Well Service, LLC
Well Owner	Zach Zulauf
Doc ID	1471292

Litholgy

0	20	TOP SOIL BROWN CLAY FINE SAND
20	60	TAN & BROWN CLAY WITH FINE SAND STREAKS
60	100	TAN CLAY FINE SAND
100	140	FINE MEDIUM SAND WITH TAN CLAY STREAKS
140	160	FINE SAND WITH TAN CLAY STREAKS
160	180	TAN GRAY CLAY WITH FINE SAND STREAKS WITH ROCK LAYERS
180	200	GRAY CLAY BLUE SHALE
200	205	BLUE SHALE
205	220	FINE COARSE SAND WITH BLUE GRAY TAN CLAY LAYERS
220	240	TAN AND GRAY CLAY
240	330	TAN CLAY WITH FINE SAND LAYERS
330	345	BLUE TAN RED GRAY CLAY WITH FINE SAND STREAKS
345	360	YELLOW TAN STICKY CLAY WITH FINE SAND STREAKS
360	370	GRAY CLAY TIGHT
370	400	SANDSTONE WITH GRAY CLAY STREAKS
400	420	BLUE CLAY & SANDSTONE STREAKS

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## Litholgy

420	440	TIGHT GRAY SANDSTONE GRAY CLAY STREAKS
440	450	TAN SANDSTONE
450	490	TAN GRAY BLUE CHURT WITH THIN SANDSTONE STREAKS
490	500	TAN SANDSTONE
500	533	TAN SANDSTONE WITH BROWN GRAY CLAY
533	540	BLUE TAN GRAY CLAY