## KOLAR Document ID: 1591975

		ECORD		WWC-5			sion of Wat					
Original R		Correction		e in Well Use			irces App. 1			Well ID		
1 LOCATIO	ON OF W.	ATER WEL	L:	Fraction		Secti	ion Numb	er	Township Numb		nge Number	
County:				1/4 1/4	<sup>1</sup> / <sub>4</sub> <sup>1</sup> / <sub>4</sub>	_			T S	R	$\Box E \Box W$	
2 WELL O	WNER: La	st Name:		First:					re well is located		·	
Business: Address:					direction fi	om ne	earest town o	or inter	rsection): If at owne	er's address,	check here:	
Address:												
City:			State:	ZIP:								
3 LOCATE	WELL				•	0		_				
WITH "X"	WITH "X" IN 4 DEPTH OF COMPLETED WELL:											
SECTION	BOX:			Encountered: 1)		——————————————————————————————————————						
N				3) ft., or 4							NAD 27	
	WELL'S STATIC WATER LEVEL:						Source for Latitude/Longitude:					
	Image: Image					$(WAAS enabled? \square Yes \square No)$						
	- INE			vater was		$\square$ Land Survey $\square$ Topographic Map			(10)			
w									Online Mapper:			
CW				ater was					11			
SW	- SE			s pumping	gpm		6 Flow	ation				
		Estimated Y		21					:fi			
S	1	Bore Hole D		in. to			Source	Source:  Land Survey  GPS  Topographic Map Other				
1 mile		DE LICED		in. to	π.				Other	•••••		
7 WELL WA	ALEK TO			tor Supply 11 ID				41 T25	ld Water Surgian 1	0050		
<ol> <li>Domestic:</li> <li>☐ Househol</li> </ol>	d			ter Supply: well ID g: how many wells?					ld Water Supply: 1 well ID			
☐ Housenol				g: now many wells? echarge: well ID								
				g: well ID					al: how many bore			
2. Irrigation				al Remediation: well					Loop  Horizon			
3. G Feedlot			Air Sparge						Loop  Surface D			
4. 🔲 Industrial	l		Recovery						specify):			
Was a chemi	cal/hacter	iological san	nle subm	itted to KDHE? [		Jo						
Water well di							II yes, dat	e sun	ipie was submita	<i>.</i> u		
				C 🗌 Other	C	SING	G IOINTS	<u>.                                     </u>	Glued Clampa	d 🗖 Walda	d 🗖 Threaded	
Casing diameter												
Casing height a	Casing height above land surface in. Weight lbs./ft. Wall thickness or gauge No											
					lbs.	ft.	Wall thic	kness	or gauge No			
	REEN OR	PERFORAT				′ft.						
TYPE OF SC	REEN OR			FERIAL: □ PVC			🗌 Ot		or gauge No			
TYPE OF SC	REEN OR	PERFORAT less Steel anized Steel	TION MAT	FERIAL: □ PVC □ Non			🗌 Ot					
TYPE OF SC Steel Brass	REEN OR Stain Galv PERFOR	PERFORAT less Steel anized Steel	TION MAT	TERIAL:	e used (open	hole)	□ Ot	her (S				
TYPE OF SC Steel Brass SCREEN OR Continue Louvered	REEN OR Stain Galv PERFOR pus Slot d Shutter	PERFORAT less Steel anized Steel ATION OPE Mill Slot Key Punch	TION MAT	TERIAL: □ PVC □ Non RE: auze Wrapped □ 'ire Wrapped □	e used (open Torch Cut   Saw Cut	hole) ] Dri ] No	Ot illed Holes one (Open H	her (S	Specify)			
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TYPE OF SC  Steel  Steel  SCREEN OR  Continue  Continue  Continue  Conversed  SCREEN-PEI  GRA  GROUT M  Grout Intervals  Nearest source  Sever Lin  Sever Lin  Other (Sp  Direction from	REEN OR Stain Galv PERFORA Dus Slot d Shutter RFORATE AVEL PAC IATERIA : From e of possible nk nes tt Sewer Lin pecify) well?	PERFORAT less Steel anized Steel ATION OPE D INTERVA CK INTERVA L: D Neat c 	TION MAT NINGS AI Ga aed G W ALS: From ALS: From rement Construction con: No Lateral Line Cess Pool Seepage Pit	FERIAL:       PVC         None         RE:       None         auze Wrapped       Image: Second State         'ire Batteries'       Image: Second State         'ire Wrapped       Image: Second State <td>e used (open Torch Cut   Saw Cut    ft., Fro Bentonite  ft. to ontamination Lagoon 1  FROM</td> <td>hole) Dri No m Oth Oth Oth Fi Fi Fi</td> <td>☐ Ot illed Holes one (Open F  ft. t  ft., From in 200 ft. .ivestock Per Guel Storage Fertilizer Sto</td> <td>her (S Hole) 0 0 ens orage</td> <td>Specify) Other (Specify)  ft., From  ft., From ft. to ft. to Insecti Aband Oil Wo</td> <td> ft. to  ft. to  ft. cide Storage oned Water ell/Gas Wel</td> <td>9 ft. 9 ft. 9 ft. 9</td>	e used (open Torch Cut   Saw Cut   ft., Fro Bentonite ft. to ontamination Lagoon 1  FROM	hole) Dri No m Oth Oth Oth Fi Fi Fi	☐ Ot illed Holes one (Open F ft. t ft., From in 200 ft. .ivestock Per Guel Storage Fertilizer Sto	her (S Hole) 0 0 ens orage	Specify) Other (Specify) ft., From ft., From ft. to ft. to Insecti Aband Oil Wo	ft. to ft. to ft. cide Storage oned Water ell/Gas Wel	9 ft. 9 ft. 9 ft. 9	
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TYPE OF SC  Steel  Steel  Srass SCREEN OR  Continue  Continue  Conversed  SCREEN-PEI  GRA  GROUT M  Grout Intervals Nearest source  Sever Lin  Sever Lin  Vatertigh  Other (Sp Direction from  I0 FROM  II  II  II  III  III  III  III  III	REEN OR  REEN OR  Stain  Galv  PERFORA  Slot  Slot Slot	PERFORAT less Steel anized Steel ATION OPE D INTERVA D INTERVA L: D Neat c ft. to contamination ces D L C C S C N C C S C C S C C S C C S C C S C S	TION MAT	FERIAL:       PVC         None         RE:       None         auze Wrapped       Image: Comparison of the term of term	e used (open Torch Cut   Saw Cut   Saw Cut   Saw Cut   Bentonite 	hole) Dri No m Oth Oth Fri	Ot illed Holes one (Open Fft, t herft, From in 200 ft. ivestock Pe fuel Storage Fertilizer Sto TO TO Well was [	her (S 	Specify) Other (Specify) ft., From ft., From ft. to Insecti Aband Oil Wo ft HO. LOG (cont.) o	ft. to ft. to ft. cide Storage oned Water ell/Gas Well  r PLUGGIN	o ft. o ft. o ft. Well IG INTERVALS	
TYPE OF SC  Steel  Steel  Steel  SCREEN OR  Continue  Continue  Conversed  SCREEN-PEI  GRA  GRA  GRAUT M  Grout Intervals  Nearest source  Sever Lin  Vatertigh  Other (Sp  Direction from  I0 FROM  II CONTRA  under my jurit Kansas Water	REEN OR  REEN OR  Stain  Galv  PERFORA  AUEL PAC  AVEL PAC  ACTOR'S  sdiction and at Well Con	PERFORAT less Steel anized Steel ATION OPE D INTERVA CD INTERVA L: D Neat c ft. to contamination c contamination b contamination c contamination c conta	TION MAT NINGS AI Ga and Ga and W ALS: From ement C 	FERIAL:       PVC         None         RE:       None         auze Wrapped       Image: Source of constraints         n	e used (open Torch Cut   Saw Cut   Saw Cut   Saw Cut   Bentonite 	hole) Dri No m Ott U F F F F	Ot     illed Holes     one (Open F        ft, t     herft, From     in 200 ft.     ivestock Per     fuel Storage     Fertilizer Ste     TO     TO     well was [     his record     ord was co	her (S 	Specify) Other (Specify) ft., From ft., From ft. to Insecti Aband Oil Wo ft HO. LOG (cont.) o	ft. to ft. to ft. cide Storage oned Water ell/Gas Well r PLUGGIN  onstructed, ny knowlec rear)	o ft. o ft. o ft. Well IG INTERVALS IG INTERVALS IG INTERVALS	
TYPE OF SC  Steel  Steel  Steel  SCREEN OR  Continue  Continue  Conversed  SCREEN-PEI  GRA  GROUT M  Grout Intervals  Nearest source  Sever Lin  Vatertigh  Other (Sp  Direction from  I0 FROM  II CONTRA  under my jurit Kansas Water	REEN OR Stain Galv PERFORA Galv PERFORA Galv Slot Galv PERFORA Galv PERFORA Galv CIN	PERFORAT less Steel anized Steel ATION OPE D INTERVA CONT	TION MAT NINGS AI Ga and Ga and W ALS: From ement Construction con: No Lateral Line Cess Pool Seepage Pit 	FERIAL:       PVC         None         RE:       None         auze Wrapped       None         'ire Wrapped       Image: Comparison of the term of term	e used (open Torch Cut   Saw Cut   Saw Cut   Saw Cut   Bentonite 	hole)	Ot     illed Holes     one (Open F        ft, from     in 200 ft.     ivestock Per     Orel Storage     Fertilizer Ste     TO     TO     well was [     his record     ord was co	her (S her (S hole) o ens e orage LIT co is tru mple	Specify) Other (Specify) ft., From ft., From ft. to ft. to ft. to ft. to hoisecti Aband Oil Wo ft HO. LOG (cont.) o	ft. to ft. to ft. cide Storage oned Water ell/Gas Wel  r PLUGGIN	o ft. o ft. o ft. Well IG INTERVALS IG INTERVALS IG INTERVALS	
TYPE OF SC  Steel  Steel  Steel  SCREEN OR  Continue  Continue  Continue  Continue  Content  SCREEN-PEI  GRA  GRA  GRA  GRA  GRA  GRA  GRA  GR	REEN OR  REEN OR  Stain  Galv  PERFORA  AUEL PAC  AVEL PAC  AVEL PAC  AVEL PAC  AVEL PAC  IS From  of possible  nk nes  tt Sewer Lin pecify)  TO  ACTOR'S  sdiction and the well Con iness name	PERFORAT less Steel anized Steel ATION OPE D INTERVA CD INTERVA I: D Neat c ft. to contamination contamination b contamination contaminat	TION MAT NINGS AI Ga and Ga and W ALS: From ement C 	FERIAL:       PVC         None         RE:       None         auze Wrapped       Image: Source of constraints         n	e used (open Torch Cut   Saw Cut   Saw Cut   Saw Cut   Bentonite 	hole)	Ot     illed Holes     one (Open F        ft. t     ine 200 ft.     ivestock Per     fuel Storage     Fertilizer Ste     TO     well was [     his record     ord was co	her (S her (S hole) o ens e orage LIT co is tru mple 	Specify) Other (Specify) ft., From ft., From ft. to ft. to ft. to ft. to hore to ft. to ft. to ft	ft. to ft. to ft. cide Storage oned Water ell/Gas Wel  r PLUGGIN  onstructed, ny knowlec 'ear) ell.	o ft. o ft. o ft. Well IG INTERVALS	

Form	WWC5
Contractor	Downey Drilling, Inc. #748
Well Owner	DALE ZORTMAN & JEFF ZORTMAN
Doc ID	1591975

## Lithology

From	То	LithologicLog
0	5	TOPSOIL
5	10	BLACK CLAY
10	15	GRAY CLAY
15	35	RED CLAY
35	40	GRAY SANDY CLAY
40	53	BR. SANDY CLAY
53	115	FINE SAND, SANDY CLAY
115	145	BLUE CLAY, BR CLAY
145	155	BR SANDY CLAY
155	230	MED/TR, C/VC SAND, SANDY CLAY
230	284	C/VC SAND, F/MC GRAVEL
284	289	SANDY CLAY
289	345	C/VC SAND, FINE GRAVEL
345	360	SANDY CLAY W/ MED SAND LENSES
360	385	MED/C SAND, TR FINE GRAVEL
385	400	YEL. CLAY, BR ROCK LAYERS
400	410	SHALE