1 LOCATIO		**/	ATER WELL REC	ORD Form WWC	-5 KSA 82	a-1212 ID N	10.		
		TER WELL:	Fraction		S	ection Number	Township Numb	er Range	Number
County: Ot	tawa		NW 1/4	SW 1/4 SV	J 1/4	22	T 12	s R 1	≯⊑* W
Distance and	direction f	rom nearest to	wn or city street a	address of well if locat	ed within city?				
$\frac{1}{4}$ mile	Nort	h of Ni	les. Ks 2	niles East	- & 1 1 r	niles No	rt h		
2 WATER V	VELL OW	NER: Jim	P. Duggar)					
RR#, St. Add			Arrowhea				Board of Agricu	Iture, Division of Wa	ter Resources
City, State, ZI			s, Kansas				Application Nun		100001000
3 LOCATE W	/FIL'S LO	CATION WITH	4 DEPTH OF C	OMPLETED WELL	7.5	ft. ELEVA	ATION:		
AN "X" IN S			_	dwater Encountered			t. 2		
ļ	N.						ce measured on mo/day		
			Pur	mp test data: Well w	ater was	ft.	after h	ours pumping	gpm
	1W -	- NE					after h		gpm
'`	,	INE			5 Public wate		8 Air conditioning	11 Injection well	
w	1	E	2 Irrigation		6 Oil field wat		9 Dewatering10 Monitoring well		
	I	E	2 illigation	4 muusman	/ Domestic (F	awii & yaideii)	TO MOTILIOTING Well	•••••	••••••
	1	1							
8	SW	- SE		l/bacteriological samp	le submitted to		Yes; If		
*			mitted			W	/ater Well Disinfected? \	res *	No
	s								
5 TYPE OF	BLANK C	ASING USED:		5 Wrought iron	8 Cond	crete tile	CASING JOINTS	S: Glued* Cla	mped
1 Steel		3 RMP (SI	R)	6 Asbestos-Cement		r (specify below		Welded	
2 PVC		4 ABS		7 Fiberglass				Threaded	
Blank casing	diameter .	5	in. to	ft., Dia		in. to	ft., Dia	in. to	ft.
Casing heigh	t above lai	nd surface	2.4	in., weight	2.0.0		. lbs./ft. Wall thickness o	or guage No25	0
		PERFORATIO				vc	10 Asbesto		
1 Steel		3 Stainles	s Steel	5 Fiberglass		RMP (SR)		Specify)	
2 Brass		4 Galvaniz	zed Steel	6 Concrete tile	9 4	BS	12 None us	sed (open hole)	
SCREEN OR	PERFOR	ATION OPENIN	NGS ARE:	5 Gı	uazed wrapped	1	8 Saw cut	11 None (o	pen hole)
	uous slot		fill slot		ire wrapped	•	9 Drilled holes	(0	po,
	red shutter		ey punched	7 To	rch cut		10 Other (specify)		ft.
SCREEN-PE	REORATE	D INTERVALS	From	16 ft to	7 5	ft From	l	ft to	ft
OOMEEN E	0117112	D IIII EI IVALO					l		
GR	RAVEL PAC	NA INITEDIAN O	_	1 -				2	
	" (V L L I / (C	CK INTERVALS	: From	ft. to .	7.5	ft., From	١	ft. to	ft.
	., ., ., ., ., ., ., ., ., ., ., ., ., .	KINTEHVALS					l		
			From	ft. to .		ft., From	1	ft. to	ft.
6 GROUT	MATERIA	_: 1 Nea	Fromt cement	2 Cement grout	3 Be	ntonite	4 Other	ft. to	ft.
6 GROUT Grout Interva	MATERIAI	_: 1 Nea	Fromt cement ft. to	2 Cement grout	3 Be	ntonite to	4 Other	ft. to	ft.
6 GROUT Grout Interva	MATERIAI	_: 1 Nea	Fromt cement	2 Cement grout 7.5 ft., From	<u>3 Be</u>	ntonite to	4 Other	ft. to	ft.
6 GROUT Grout Interva	MATERIAI lls: From earest sou	.: 1 Nea	Fromt cement ft. to	2 Cement grout	<u>3 Be</u>	ntonite to	4 Other	ft. to	ft.
6 GROUT Grout Interva What is the n	MATERIAI lls: From earest sou tank	.: 1 Nea	t cement ft. to contamination:	2 Cement grout 7.5 ft., From	<u>3 Be</u>	ntonite to	4 Other	ft. to	ftft. ater well
6 GROUT Grout Interva What is the n 1 Septic 2 Sewer	MATERIAI s: From earest sou tank r lines	.: 1 Nea	t cementft. toft. tort contamination: ral lines	2 Cement grout 7.5 ft., From	3 Beft	ntonite to	4 Other	ft. toft. to	ft. ft. ater well ell below)
6 GROUT Grout Interva What is the n 1 Septic 2 Sewer	MATERIAI lls: From earest sou tank r lines tight sewe	.: 1 Nea	t cementft. toft. tort contamination: ral lines	2 Cement grout 7.5 ft., From 7 Pit pri 8 Sewa	3 Beft	ntonite to	4 Other	ft. to	ft. ft. ater well ell below)
6 GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Water	MATERIAI lls: From earest sou tank r lines tight sewe	.: 1 Nea	t cementft. toft. tort contamination: ral lines	2 Cement grout 7.5 ft., From 7 Pit pri 8 Sewaq 9 Feedy	3 Beft	ntonite 10 Lives 11 Fuel 12 Fertil 13 Insection	4 Other	ft. to	ft. ft. ater well ell below)
6 GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Water Direction from	MATERIAI als: From a earest sou a tank r lines tight sewe n well?	.: 1 Nea	t cement ft. to contamination: ral lines s pool page pit	2 Cement grout 7.5 ft., From 7 Pit pri 8 Sewaq 9 Feedy	3 Beft vy ge lagoon	ntonite 10 Lives 11 Fuel 12 Fertil 13 Insec	4 Other	ft. to	ft. ft. ater well ell below)
6 GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Waterl Direction from	MATERIAI lls: From learest sou e tank r lines tight sewe n well? TO 7	.: 1 Nea	Fromt cementft. toft. tore contamination: ral lines s pool page pit	2 Cement grout 7.5 ft., From 7 Pit pri 8 Sewag 9 Feedy	3 Beft vy ge lagoon	ntonite 10 Lives 11 Fuel 12 Fertil 13 Insec	4 Other	ft. to	ft. ft. ater well ell below)
6 GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Water Direction from FROM 0 7	MATERIAI lls: From learest soul le tank r lines tight sewe n well? TO 7 14	.: 1 Nea	From t cement ft. to contamination: ral lines s pool page pit LITHOLOGIC AY ROWN CLAY	2 Cement grout 7.5 ft., From 7 Pit pri 8 Seway 9 Feedy	3 Beft vy ge lagoon rard FROM	ntonite 10 Lives 11 Fuel 12 Fertil 13 Insec	4 Other	ft. to	ft. ft. ater well ell below)
6 GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Water Direction from FROM 0 7 1 4	MATERIAI lls: From learest soul le tank r lines tight sewe n well? TO 7 14 22	.: 1 Nea	t cement ft. to contamination: ral lines s pool page pit LITHOLOGIC LAY RAY CLAY	2 Cement grout 7.5 ft., From 7 Pit pri 8 Sewat 9 Feedy	3 Beft vy ge lagoon rard FROM	ntonite 10 Lives 11 Fuel 12 Fertil 13 Insec	4 Other	ft. to	ft. ft. ater well ell below)
6 GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Water Direction from FROM 0 7 14 22	MATERIAI lls: From learest soul le tank r lines tight sewe n well? TO 7 14 22 28	.: 1 Nea	From t cement ft. to contamination: ral lines s pool page pit LITHOLOGIC AY RAY CLAY RAY CLAY	2 Cement grout 7.5 ft., From 7 Pit pri 8 Sewat 9 Feedy	3 Beft vy ge lagoon rard FROM	ntonite 10 Lives 11 Fuel 12 Fertil 13 Insec	4 Other	ft. to	ft. ft. ater well ell below)
GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Water Direction from FROM 0 7 14 22 28	MATERIAI lls: From learest soul le tank r lines tight sewe n well? TO 7 14 22 28 29	.: 1 Nea Irce of possible 4 Late 5 Cess r lines 6 Seep NONE DARK CI SOFT BR SOFT GR TIGHT GR BLUE CI	From It cement ft. to contamination: ral lines s pool page pit LITHOLOGIO AY COWN CLAY CAY CLAY CRAY CLAY	2 Cement grout 7.5 ft., From 7 Pit pri 8 Sewat 9 Feedy	3 Beft vy ge lagoon rard FROM	ntonite 10 Lives 11 Fuel 12 Fertil 13 Insec	4 Other	ft. to	ft. ft. ater well ell below)
6 GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Waterl Direction from FROM 0 7 14 22 28 29	MATERIAL Ils: From learest soul Italian Interest tight sewe In well? TO 7 14 22 28 29 31	.: 1 Nea	From It cement ft. to contamination: ral lines s pool page pit LITHOLOGIC AY ROWN CLAY RAY CLAY RAY CLAY AY BROWN MI	2 Cement grout 7.5 ft., From 7 Pit pri 8 Sewat 9 Feedy	3 Beft vy ge lagoon rard FROM	ntonite 10 Lives 11 Fuel 12 Fertil 13 Insec	4 Other	ft. to	ft. ft. ater well ell below)
GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Waterl Direction from FROM 0 7 14 22 28 29 31	MATERIAL Ils: From learest soult tank r lines tight sewe n well? TO 7 14 22 28 29 31 40	.: 1 Nea	From It cementft. to contamination: ral lines s pool page pit LITHOLOGIO LAY ROWN CLAY RAY CLAY RAY CLAY AY BROWN MI SHALE	2 Cement grout 7.5 ft., From 7 Pit pri 8 Sewat 9 Feedy	3 Beft vy ge lagoon rard FROM	ntonite 10 Lives 11 Fuel 12 Fertil 13 Insec	4 Other	ft. to	ft. ft. ater well ell below)
GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Watert Direction from FROM 0 7 14 22 28 29 31 40	MATERIAL Ids: From learest soult tank r lines tight sewe n well? TO 7 14 22 28 29 31 40 55	.: 1 Nea	From It cementft. to	2 Cement grout 7.5 ft., From 7 Pit pri 8 Sewat 9 Feedy	3 Beft vy ge lagoon rard FROM	ntonite 10 Lives 11 Fuel 12 Fertil 13 Insec	4 Other	ft. to	ft. ft. ater well ell below)
GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Watert Direction from FROM 0 7 14 22 28 29 31 40 55	MATERIAL Ids: From learest soul Italian Italian Ids trank Italian Ital	.: 1 Nea	From It cementft. to contamination: ral lines s pool page pit LITHOLOGIC AY RAY CLAY RAY CLAY BRAY CLAY BROWN MI BHALE AY LUE CLAY	2 Cement grout 7.5 ft., From 7 Pit pri 8 Sewat 9 Feedy	3 Beft vy ge lagoon rard FROM	ntonite 10 Lives 11 Fuel 12 Fertil 13 Insec	4 Other	ft. to	ft. ft. ater well ell below)
6 GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Water Direction from FROM 0 7 14 22 28 29 31 40 55 57	MATERIAI lls: From learest soul late tank r lines tight sewe n well? TO 7 14 22 28 29 31 40 55 57	.: 1 Nea	From It cementft. to	2 Cement grout 7.5 ft., From 7 Pit pri 8 Sewat 9 Feedy	3 Beft vy ge lagoon rard FROM	ntonite 10 Lives 11 Fuel 12 Fertil 13 Insec	4 Other	ft. to	ft. ft. ater well ell below)
GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Watert Direction from FROM 0 7 14 22 28 29 31 40 55	MATERIAL Ids: From learest soul Italian Italian Ids trank Italian Ital	.: 1 Nea .: O	From It cementft. to contamination: ral lines s pool page pit LITHOLOGIC AY RAY CLAY RAY CLAY BRAY CLAY BROWN MI BHALE AY LUE CLAY	2 Cement grout 7.5 ft., From 7 Pit pri 8 Sewat 9 Feedy	3 Beft vy ge lagoon rard FROM	ntonite 10 Lives 11 Fuel 12 Fertil 13 Insec	4 Other	ft. to	ft. ft. ater well ell below)
6 GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Water Direction from FROM 0 7 14 22 28 29 31 40 55 57	MATERIAI lls: From learest soul late tank r lines tight sewe n well? TO 7 14 22 28 29 31 40 55 57	I Nea Ince of possible 4 Later 5 Cess Innes 6 Seep NONE DARK CI SOFT BR SOFT GR TIGHT GR BLUE CI GRAY & WHITE S BLUE CI SOFT BI LITE GR DARK GR	From It cement ft. to contamination: ral lines s pool page pit LITHOLOGIO AY RAY CLAY RAY CLAY BRAY CLAY BROWN MI SHALE AY LUE CLAY RAY SHALE	2 Cement grout 7.5 ft., From 7 Pit pri 8 Sewat 9 Feedy CLOG **ETTE BROW XED SOFT	3 Beft vy ge lagoon rard FROM	ntonite 10 Lives 11 Fuel 12 Fertil 13 Insec	4 Other	ft. to	ft. ft. ater well ell below)
6 GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Water Direction from FROM 0 7 14 22 28 29 31 40 55 57 58	MATERIAI lls: From learest soul le tank r lines tight sewe n well? TO 7 14 22 28 29 31 40 55 57 58 62	I Nea Ince of possible 4 Later 5 Cess Innes 6 Seep NONE DARK CI SOFT BR SOFT GR TIGHT GR BLUE CI GRAY & WHITE S BLUE CI SOFT BI LITE GR DARK GR	From It cement ft. to contamination: ral lines s pool page pit LITHOLOGIO LAY RAY CLAY RAY CLAY RAY CLAY BROWN MI SHALE LAY	2 Cement grout 7.5 ft., From 7 Pit pri 8 Sewat 9 Feedy CLOG **ETTE BROW XED SOFT	3 Beft vy ge lagoon rard FROM	ntonite 10 Lives 11 Fuel 12 Fertil 13 Insec	4 Other	ft. to	ft. ft. ater well ell below)
6 GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Water Direction from FROM 0 7 14 22 28 29 31 40 55 57 58	MATERIAI lls: From learest soul le tank r lines tight sewe n well? TO 7 14 22 28 29 31 40 55 57 58 62	I Nea Ince of possible 4 Later 5 Cess Innes 6 Seep NONE DARK CI SOFT BR SOFT GR TIGHT GR BLUE CI GRAY & WHITE S BLUE CI SOFT BI LITE GR DARK GR	From It cement ft. to contamination: ral lines s pool page pit LITHOLOGIO LAY RAY CLAY RAY CLAY RAY CLAY BROWN MI SHALE LAY	2 Cement grout 7.5 ft., From 7 Pit pri 8 Sewat 9 Feedy CLOG **ETTE BROW XED SOFT	3 Beft vy ge lagoon rard FROM	ntonite 10 Lives 11 Fuel 12 Fertil 13 Insec	4 Other	ft. to	ft. ft. ater well ell below)
6 GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Waterl Direction from FROM 0 7 14 22 28 29 31 40 55 57 58 62	MATERIAL Ids: From learest souls tank or lines tight sewen well? TO 7 14 22 28 29 31 40 55 57 58 62 75	: 1 Nea	From It cementft. to	2 Cement grout 7.5ft., From 7 Pit pri 8 Seway 9 Feedy C LOG XED SOFT	3 Be ft vy ge lagoon rard FROM	ntonite to 10 Lives 11 Fuel 12 Fertil 13 Insec How mai	4 Other	ft. to	ft.
6 GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Watert Direction from FROM 0 7 14 22 28 29 31 40 55 57 58 62	MATERIAL Ids: From learest soult tank or lines tight sewern well? TO 7 14 22 28 29 31 40 55 57 58 62 75	.: 1 Nea	From It cementft. to	2 Cement grout 7.5ft., From 7 Pit pri 8 Seway 9 Feedy C LOG XED SOFT PSUM	3 Be	ntonite 10 Lives 11 Fuel 12 Fertil 13 Insec How mai	4 Other	ft. to	ft.
6 GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Watert Direction from FROM 0 7 14 22 28 29 31 40 55 57 58 62	MATERIAL Ids: From learest soul etank r lines tight sewe n well? TO 7 14 22 28 29 31 40 55 57 58 62 75	I Nea Ince of possible 4 Later 5 Cess Innes 6 Seep NONE DARK CI SOFT BR SOFT GR TIGHT GRAY & WHITE SI BLUE CI SOFT BI LITE GR DARK GR GRAY SH R LANDOWNE	From	2 Cement grout 7.5ft., From 7 Pit pri 8 Seway 9 Feedy C LOG XED SOFT PSUM	3 Be ft vy ge lagoon rard FROM	ntonite 10 Lives 11 Fuel 12 Fertil 13 Insec How mai TO	4 Other	ed under my jurisdif my knowledge and	ttion and was belief. Kansas
6 GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Water Direction from FROM 0 7 14 22 28 29 31 40 55 57 58 62 7 CONTRAC completed on Water Well Co	MATERIAL lls: From learest soult tank r lines tight sewe n well? TO 7 14 22 28 29 31 40 55 57 58 62 75 CTOR'S O (mo/day/youtractor's	I Nea Ince of possible 4 Late 5 Cess Innes 6 Seep NONE DARK CI SOFT BR SOFT GR TIGHT GR BLUE CI GRAY & WHITE SI BLUE CI SOFT BI LITE GR DARK GR GRAY SH R LANDOWNE ear) 1.2	From	2 Cement grout 7.5ft., From 7 Pit pri 8 Sewat 9 Feedy CLOG **ELITE BROW XED SOFT PSUM FION: This water well 7	3 Be ft vy ge lagoon rard FROM	ntonite 10 Lives 11 Fuel 12 Fertil 13 Insec How mai TO tructed, (2) rec and this red d was complete	4 Other	ed under my jurisdif my knowledge and	ttion and was belief. Kansas
6 GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Water Direction from FROM 0 7 14 22 28 29 31 40 55 57 58 62 7 CONTRAC completed on Water Well Counder the busi	MATERIAL Ids: From learest soute tank It lines tight sewen well? TO 7 14 22 28 29 31 40 55 57 58 62 75 CTOR'S O	I Nea Ince of possible 4 Later 5 Cess Innes 6 Seep NONE DARK CI SOFT BR SOFT GR TIGHT GR BLUE CI GRAY & WHITE S BLUE CI SOFT BI LITE GR DARK GR GRAY SH R LANDOWNE ear) 1.2	From	2 Cement grout 7.5ft., From 7 Pit pri 8 Sewat 9 Feedy CLOG **LITE BROW XED SOFT PSUM FION: This water well 7	3 Be	ntonite 10 Lives 11 Fuel 12 Fertil 13 Insec How mai TO tructed, (2) rec and this re d was complete by	4 Other	ed under my jurisdif my knowledge and	ction and was belief. Kansas
6 GROUT Grout Interva What is the n 1 Septic 2 Sewer 3 Waterl Direction from FROM 0 7 14 22 28 29 31 40 55 57 58 62 7 CONTRAC completed on Water Well Counder the busi	MATERIAL Ids: From learest soute tank It lines tight sewen well? TO 7 14 22 28 29 31 40 55 57 58 62 75 CTOR'S On (mo/day/yout on tractor's iness nam NS: Use types	I Nea Ince of possible 4 Later 5 Cess Innes 6 Seep NONE DARK CI SOFT BR SOFT GR TIGHT GR BLUE CI GRAY & WHITE SI BLUE CI SOFT BI LITE GR DARK GR GRAY SH R LANDOWNE ear) 1.2	From	2 Cement grout 7.5 ft., From 7 Pit private Seware 9 Feedy CLOG **LITE BROW XED SOFT PSUM TION: This water well 7	3 Be	ntonite 10 Lives 11 Fuel 12 Fertil 13 Insec How mal TO tructed, (2) rec and this red d was complete by	4 Other	ed under my jurisdif my knowledge and	ction and was belief. Kansas