WATER WELL RECORD KSA 82a-1201-1215

Kansas Department of Health and Environment-Division of Environment (Water well Contractors) Topeka, Kansas 66620

Grant SW 1/4 SW 1/4 NW 1/4 17 T 28 S R 38 E/W 2. Distance and direction from necest town or city: 8 miles west x 21/2 Street address of well location if in city: N. of Standard Service St. Ulysses, Ks. 3. Owner of well: R.R. or street: RPd. #3 City, state, zip code: Ulysses, Ks. 6. Bore hole dia		County		1	Section number		Township number	Kange number		
Sirect odes of well location in finity. 4. Locate with "X" in section below: N Sketch map:	1. Location of well:	Grant	SW 1/4 SW 1/4 NW 1/4				т 28 s	_R 38	E/W	
Sirect odes of well location in finity. 4. Locate with "X" in section below: N Sketch map:	2. Distance and direc	ction from nearest town or city: 8 m	rthur Williams							
4. Locate with "X" in section below: A	N., of Standard Service St. Ulysses, Rs. R.R. or street						reet: RBd. #3			
4. Locate with 'X' in section below:	City, state									
7. Cobis tool X strary Driven Dug Hollow rod Jerred Bower Reverse rotary	4. Locate with "X" in section below: Sketch map:						6. Bore hole dia,in.			
Note	N					ļ	Well depth 580 ft.	<u>2-12-76</u>		
X	NW NE									
							8. Use: Domestic Public supply Industry			
	* w X 1 1 E									
	[
Surface										
5. Type and color of material From To	<u> </u>									
Surface										
Surface O 2 Surface O 2 In Surface Surface O 2 In Surface O 2 In Surface O 2 In Surface O 2 In Surface O 3 In Surface O 3 In Surface O 4 In Surface O 5 In Surface O 6 In Surface O 7 In						То				
Surface								name <u>Lakewoo</u>	d	
Very fine sand and clay Sandy clay w/very fine sand strips 14 96 Solvjeuze 3/16 Length 222.11 Sardy clay w/very fine sand Strips 160 107 160 Brown and gray clay Very fine to fine sand w/clay breakers 160 169 Sandy clay w/fine sand strips 169 242 Sandy clay w/fine sand strips Fine to medium sand w/clay breakers Sandy clay w/very fine sand strips Sandy clay w/fine sand strips Sandy clay w/fine sand strips	Surface					2				
Sandy clay w/very fine sand strips 14 96 107 160 107 160 1					2		1 lype Did			
Very fine to fine sand 96 107 160 107 160 108 109 109 109 109 109 109 109 109 109 109 109 109 109 109 109 109 109 109 109 109 109 109 100					14	96	Set between 357.2 ft. and 580 ft.			
Single and gray clay 167 160 169	1				96	107	ft. andfb			
Very fine to fine sand w/clay breakers Sandy clay w/fine sand strips Fine to medium sand w/clay breakers Sandy clay w/very fine sand strips Sandy clay w/very fine sand strips Sandy clay w/very fine sand strips Medium to coarse sand w/clay breakers Sandy clay w/very fine sand strips Sandy clay w/very fine sand strips Medium to coarse sand w/clay breakers Sandy clay w/very fine sand strips Medium to coarse sand w/clay breakers Sandy clay w/very fine sand strips Medium to coarse sand w/clay breakers Sandy clay w/very fine sand strips Medium to coarse sand w/clay breakers Sandy clay w/very fine sand strips Medium to coarse sand w/clay breakers Sandy clay w/very fine sand strips Medium to coarse sand w/clay breakers Sandy clay w/very fine sand strips Medium to coarse sand w/clay breakers Sandy clay w/very fine sand strips Sandy clay w/fine sands strips Sandy	· ·				107	160	Gravel pack? Size range of material 4 2 37 5			
Sandy clay w/fine sand strips Medium to coarse sand w/clay breakers Sandy clay w/fine sand strips Fine to medium sand w/clay breakers Sandy clay w/very fine sand strips Medium to coarse sand w/clay breakers Sandy clay w/very fine sand strips Medium to coarse sand w/clay breakers Yellow chalk, brown shale, sandrock and Dakota Blue shale and Dakota Blue \$brown shale, Dakota \$Cheyenne Iose strips Iose a second sheet if needed) Iose strips Iose fine for a 7.1 hrs. pumpingg.p.m.	Very fine to fine sand w/clay breakers				160	169	11. Static water level: mo./day/yr.			
Sandy clay w/fine sand strips 258 318 330 ft. ofter hrs. pumping 1200 g.p.m. 1200 g.	Sandy clay w/fine sand strips				169	242				
Sandy clay W/fine sand strips Fine to medium sand W/clay breakers Sandy clay w/very fine sand strips Medium to coarse sand w/clay breakers Yellow chalk, brown shale, sandrock and Dakota Blue shale and Dakota Blue & brown shale, Dakota & Cheyenne Brown shale, Dakota & Cheyenne W/some tight and 100se strips 40 feet of Johnson Screen set between Topography: 40 feet of Johnson Screen set between 318 332 338 338 339 348 348 348 348 363 348 363 348 363 348 363 349 417 16. Near somple submitted: ———————————————————————————————————					242	258				
Fine to medium sand w/clay breakers Sandy clay w/very fine sand strips Medium to coarse sand w/clay breakers Yellow chalk, brown shale, sandrock and Dakota Sandy clay breakers Yellow chalk, brown shale, sandrock and Dakota Sandy clay breakers Yellow chalk, brown shale, sandrock and Dakota Sandy clay breakers Yellow chalk, brown shale, sandrock and Dakota Sandy clay breakers Yellow chalk, brown shale, sandrock and Dakota Sandy clay breakers Yellow chalk, brown shale, sandrock and Dakota Sandy clay breakers Sandy clay w/very fine sand strips It. Well head completion: Pitless odopter 12 Inches above grade 15. Well grouted? X With: Neat cement X Bentonite Concrete Depths From D ft. to 12 ft. Sentonite Concrete Depths From D ft. to 12 ft. With: Neat cement X Bentonite Concrete Depths From D ft. to 12 ft. Sandy clay w/very fine sand w/clay breakers Well disinfected upon completion? Yes No well disinfected up					258	318	1 == 4 1000			
Sandy clay w/very fine sand strips Medium to coarse sand w/clay breakers Yellow chalk, brown shale, sandrock and Dakota Sandy clay breakers Yellow chalk, brown shale, sandrock and Dakota Sandrock and Dakota Sandrock and Dak										
Sandy clay w/very fine sand strips Medium to coarse sand w/clay breakers Yellow chalk, brown shale, sandrock and Dakota Sandrock and Sandrock Sandrock and Sandrock Sandrock and Sandrock Sandrock and Sandrock Sand	Fine to medium sand w/clay breakers				318	332	·		o./day/yr.	
Medium to coarse sand w/clay breakers Yellow chalk, brown shale, sandrock and Dakota Blue shale and Dakota Blue \{ brown shale, Dakota \{ Cheyenne} \] Brown shale, Dakota \{ Cheyenne} \{ Cheyenne} \] Brown shale, Dakota \{ Cheyenne} \	Condy olay	w/warw fine sand	etrine		332	348		Date		
Medium to coarse sand w/clay breakers Yellow chalk, brown shale, sandrock and Dakota 363 399 With:Neat cement _x BentoniteConcreteNeatherNeathe	Sandy Clay	w/very fille sailu	strips		332	340	· '	12 Inches abov	a arada	
Yellow chalk, brown shale, sandrock and Dakota 363 399 With:Neot cementX BentoniteConcreteDepth: FromOft. to12_ft. Blue shale and Dakota 399 417 Blue & brown shale, Dakota & Cheyenne 417 530 Brown shale, Dakota & Cheyene W/some tight and 530 580 Well disinfected upon completion?YesNo	Medium to coarse sand w/clay breakers					363				
Blue shale and Dakota Blue shale and Dakota 399 417 16. Nearest source of possible contamination: ft.					363	399	With: Neat cement Bentonite Concrete			
Blue shale and Dakota Blue & brown shale, Dakota & Cheyenne	Tellow Chark, blown Share, Sandrock and Sanota					000	Depth: From O ft. to	<u>12</u> ft.		
Brown shale, Dakota & Cheyene W/some tight and 530 580 loose strips 17. Pump:x Not installed	Blue shale and Dakota				399	417	ft Direction <u>NA</u> Type			
Brown shale, Dakota & Cheyene W/some tight and 530 580 100se strips 17. Pump:	Blue & brown shale, Dakota & Cheyenne				417	530	Well disinfected upon completion? Yes No			
Length of drop pipeft. capacityg.p.m. Type: Submersible Turbine Jet Reciprocating Centrifugal Other 18. Elevation: 19. Remarks: 40 feet of Johnson Screen set between Hill S17.2 and 357.2 feet Upland 19. Remarks: 20. Water well contractor's certification: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Houck Bros. Drilling Co. 164 Business name BOX 487, Ulysses, Ks Signed Date 4-30-76.	Brown shale, Dakota & Cheyene W/some tight and				530	580	1 · ·			
Type: Submersible Jet Reciprocating Centrifugal Other 18. Elevation: 19. Remarks: Topography: Hill X Slope Upland Type: Submersible Turbine 20. Water well contractor's certification: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Houck Bros. Drilling Co. 164 Business name Address BOX 487, Ulysses, Ks. Signed M. Beard Date 4-30-76	loos	e strips								
Submersible Turbine Jet Reciprocating Other					+	· ·	- '''	ft. capacity	9.b.m.	
Centrifugal							l ''	Turbi	ne	
18. Elevation: 19. Remarks: 40 feet of Johnson Screen set between Topography: Hill X Slope Upland 19. Remarks: 20. Water well contractor's certification: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Houck Bros. Drilling Co. 164 Business name Address BOX 487, Ulysses, Ks. Signed Date 4-30-76					1				1	
Topography: Hill X Slope Upland 40 feet of Johnson Screen set between 317.2 and 357.2 feet This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Houck Bros. Drilling Co. 164 Business name Address BOX 487, Ulysses, Ks. Signed Date 4-30-76	(Use a second sheet if needed)						Centrifugal	Othe	r Š	
Topography: Hill X Slope Upland 40 feet of Johnson Screen set between 317.2 and 357.2 feet Upland 40 feet of Johnson Screen set between 317.2 and 357.2 feet Signed is true to the best of my knowledge and belief. Houck Bros. Drilling Co. 164 Business name Address No. Beard Date 4-30-76	18. Elevation:	19. Remarks:								
Topography: Hill X Slope Upland 40 feet of Johnson Screen set between 317.2 and 357.2 feet Business name Address BOX 487, Ulysses, Ks. Signed Date 4-30-76							1		his report	
Hill X Slope Upland 317.2 and 357.2 feet Business name Address Box 487, Ulysses, Ks. Signed Business name Address Box 487, Ulysses, Ks.	I lobography;									
	1 717 2 and 757 2 feet						Business name		icense No.	
Signed — July Dule — [1 —						Address Box 487, U	lysses, Ks	· \$	
Valley Authorized representative	Upland						Signed M. Bear	d Dat	10 4-30-16	
	Valley						Authorized re	presentative	}	