WATE	R WEI	L RECORD	Form W	WC-5	D	oivision of Water	r Resources App. No	o		
1 LOCATION OF WATER WELL: County: NORTON		Fraction NW 1/4 1/4	1/4 1/		ion Number 11	Township No. T 2 S	Range Number R 24 □E ☑W			
		Address of Well Location;			Glob	al Positioning	System (GPS) in	formation:		
1		own or intersection: If at	•	Latit	Latitude: .39.54' 0.03" N					
4.2 MILES NORTH OF NORTON, KS ON HWY 283, WEST ON ROAD H 5.6					Elev	Longitude: 99.59'.42.40" W (in decimal degrees) Elevation: 2514 FT Datum: □ WGS 84. □ NAD 83, □ NAD 27				
2 WA	TER WI	ELL OWNER: SCHUL	ZE FARMS LLC			<u>m</u> : ∐ WGS 84 ection Method:	1, ∐ NAD 83, ∐	NAD 27		
1	*	Address, Box #: 15290 F	ROBINSON CREEK	LANE		GPS unit (Mak)		
City,	, State, Z	IP Code : NORTC	N, KS 67654				oto, ☐ Topographio 3 m, ☐ 3-5 m, ☐	c Map, ☐ Land Survey 5-15 m, ☐ >15 m		
3 LOCA		LL 4 DEPTH OF	COMDI ETED WEI	ı 225		A				
1	WITH AN "X" IN SECTION BOX: 4 DEPTH OF COMPLETED WELL 225 ft. Depth(s) Groundwater Encountered (1) ft. (2) ft. (3)									
	N WELL'S STATIC WATER LEVELft. below land surface measured on mo/day/yr. 5/12/14									
ļ '	Pump test data: Well water was .1./2ft. after .1									
w NV	W NE NE EST. YIELD .194gpm. Well water was .225									
" -	-	WELL WATER	TO BE USED AS:	Public wa	ter supp	oly Ge		njection well		
sw	Domestic Feedlot Oil field water supply Dewatering Other (Specify below									
Industrial ☐ Domestic-lawn & garden ☐ Monitoring well										
Was a chemical/bacteriological sample submitted to Department? Yes V No If yes, mo/day/yr sample was submitted										
1 mile Water well disinfected? ☑ Yes ☐ No										
5 TYPE OF CASING USED: Steel PVC Other										
CASING JOINTS: Glued Clamped Welded Threaded Casing diameter .16										
Casing diameter 1.0										
TYPE OF SCREEN OR PERFORATION MATERIAL:										
☐ Steel ☐ Stainless Steel ☐ PVC ☐ Other (Specify)										
SCREEN OR PERFORATION OPENINGS ARE:										
☐ Continuous slot ☑ Mill slot ☐ Gauze wrapped ☐ Torch cut ☐ Drilled holes ☐ None (open hole) ☐ Louvered shutter ☐ Key punched ☐ Wire wrapped ☐ Saw cut ☐ Other (specify)										
SCREE	N-PERF	ORATED INTERVALS:	From 145	saw cut ft. to225.		ft From	ft. to	o ft.		
			From	ft. to		ft., From	ft. t	o ft.		
	GRAVI	EL PACK INTERVALS:	From	ft. to225.	• • • • • • • • • • • • • • • • • • • •	ft., From	ft. t	.o ft.		
6 GRO	UT MA	TERIAL: Neat ceme	ent Cement grout	π. ιο Bento	nite [… π., From … □ Other	π. τ	o ft.		
Grout In	tervals:	From .0 ft. to	20 ft., From	1	ft. to	ft.,	From	. ft. toft.		
		st source of possible conta	ımination:	_		_	_			
	Septic tar Sewer lin		es Pit privy Sewage lagoon	☐ Livestock ☐ Fuel stora		☐ Insecticide ☐ Abandoned		er (specify below)		
	Watertigh	nt sewer lines Seepage p	it Feedvard	Fertilizer s	torage	Oil well/gas	s well			
Direction from well SOUTH Distance from well .1800 FT FROM TO LITHOLOGIC LOG FROM TO LITHO. LOG (cont.) or PLUGGING INTERVALS										
TROM	10	LITHOLOG	ic Loo	FROM	TO	LITHO. LC	od (cont.) or PLU	GGING INTERVALS		
		WELL LOG IN	LUDED							
			-							
7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was ☐ constructed, ☐ reconstructed, or ☐ plugged										
under my jurisdiction and was completed on (mo/day/year) .05/07/2014 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No748 This Water Well Record was completed on (mo/day/year) .6/2/14										
under the business name of DOWNEY DRILLING, INC. by (signature)										
INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in banks and check the correct answers send one copy to										
Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 42. Topeka Kansas 6664-1367. Telephone 785-296-5524. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at										
	http://www.kd.dheke.gov/wysterwell/jiddey.html									

well log



CUSTOMER NAME: SCHULZE FARMS, LLC

LEGAL: <u>NW/NE/NW 11-2S-24W</u>

COUNTY: NORTON, KANSAS

GPS: 39 54' 0.03456" N

99 59' 42.40290" W

DATE: 10/17/2013

то	TYPE	HARDNESS	COLOR	OTHER/DRILLING
		, ,, ,, CINEOU	COLOR	ACTION
4	TOPSOIL	SOFT	DARK	SMOOTH
14	LOESS		LIGHT BROWN	SMOOTH
		SOFT	LIGHT BROWN	SMOOTH
			LIGHT	SMOOTH
			LIGHT	SMOOTH
			,	SLIGHT CLATTER
			LIGHT	
				SMOOTH SLIGHTLY ROUGH /
			LIGHT	SLIGHT CLATTER
96	SANDY CLAY AND CEMENTED SAND LAYERS	FIRM	BROWN	SMOOTH
100	SANDSTONE AND FINE SAND	SOFTER		SOME CLATTER
102	CALICHE	HARDNESS		PULL DOWN
104	SANDSTONE, SAND, AND CALICHE STRIPS	SOFTER		SLIGHT CLATTER
112	CLAY WITH FINE SAND LAYERS	SOFTER		SMOOTH
116	FINE SAND	SOFTER	BROWN	SLIGHT CLATTER
122	CALICHE AND FINE-MEDIUM SAND	FIRMER	BROWN	PULL DOWN
123	CALICHE	HARD	BROWN	PULL DOWN
125	SANDSTONE, SAND, AND CALICHE STRIPS	FIRMER	BROWN	PULL DOWN
132	SANDSTONE AND MEDIUM SAND	SOFTER	BROWN	SOME CLATTER
133	CLAY	SOFTER	BROWN	SMOOTH
141	SANDSTONE AND MEDIUM SAND	SOFTER	BROWN	CLATTERING
142	FINE-MEDIUM SAND AND SANDSTONE	SOFTER	BROWN	CLATTERING
165	COURSE SAND, FINE GRAVEL, AND THIN CLAY STRIPS	SOFTER	BROWN	CLATTERING
175	MEDIUM-COURSE SAND, FINE GRAVEL, AND CLAY STRIPS	SOFTER	BROWN	CLATTERING
176	CLAY	FIRMER	BROWN	SMOOTH
180	SANDSTONE	SOFTER	BROWN	CLATTERING
195	FINE-MEDIUM SAND AND THIN CLAY STRIPS	SOFTER	BROWN	CLATTERING
209	MEDIUM SAND AND COURSE SAND			CLATTERING
210	OCHRE		ORANGE	PULL DOWN
225	OCHRE I	FIRM		SMOOTH
	65 75 79 82 90 96 100 102 104 112 123 125 132 133 141 142 165 175 176 180 195 209 210	65 CLAY AND VERY FINE SAND STRIPS 75 CLAY AND MEDIUM SAND STRIPS 79 FINE SAND 82 CLAY 90 SANDSTONE, CALICHE, AND MEDIUM SAND 96 SANDY CLAY AND CEMENTED SAND LAYERS 100 SANDSTONE AND FINE SAND 102 CALICHE 104 SANDSTONE, SAND, AND CALICHE STRIPS 116 FINE SAND 117 CLAY WITH FINE SAND LAYERS 116 FINE SAND 117 CALICHE 118 SANDSTONE, SAND, AND CALICHE STRIPS 119 CALICHE AND FINE-MEDIUM SAND 110 CALICHE 1118 SANDSTONE, SAND, AND CALICHE STRIPS 1119 SANDSTONE AND MEDIUM SAND 1110 SANDSTONE AND MEDIUM SAND 1111 SANDSTONE AND MEDIUM SAND 1112 FINE-MEDIUM SAND AND SANDSTONE 1115 COURSE SAND, FINE GRAVEL, AND THIN CLAY STRIPS 1116 CLAY 1180 SANDSTONE 1195 FINE-MEDIUM SAND AND THIN CLAY STRIPS 1196 CLAY 1190 SANDSTONE 1191 FINE-MEDIUM SAND AND THIN CLAY STRIPS 1195 FINE-MEDIUM SAND AND THIN CLAY STRIPS 1196 FINE-MEDIUM SAND AND THIN CLAY STRIPS 1197 CLAY 1198 SANDSTONE	65 CLAY AND VERY FINE SAND STRIPS 75 CLAY AND MEDIUM SAND STRIPS 80FT 79 FINE SAND 82 CLAY 90 SANDSTONE, CALICHE, AND MEDIUM SAND FIRMER 96 SANDY CLAY AND CEMENTED SAND LAYERS FIRM 100 SANDSTONE AND FINE SAND SOFTER 102 CALICHE HARDNESS 104 SANDSTONE, SAND, AND CALICHE STRIPS 105 SANDSTONE, SAND, AND CALICHE STRIPS 116 FINE SAND SOFTER 117 CLAY WITH FINE SAND LAYERS SOFTER 118 SAND 119 CALICHE HARD 120 CALICHE HARD 121 CALICHE HARD 122 CALICHE HARD 123 CALICHE 125 SANDSTONE, SAND, AND CALICHE STRIPS FIRMER 130 SANDSTONE, SAND, AND CALICHE STRIPS FIRMER 131 SANDSTONE, SAND, AND CALICHE STRIPS FIRMER 132 SANDSTONE, SAND, AND CALICHE STRIPS SOFTER 133 CLAY SOFTER 141 SANDSTONE AND MEDIUM SAND SOFTER 142 FINE-MEDIUM SAND SOFTER 145 COURSE SAND, FINE GRAVEL, AND THIN CLAY STRIPS SOFTER 175 MEDIUM-COURSE SAND, FINE GRAVEL, AND CLAY STRIPS SOFTER 176 CLAY FIRMER 180 SANDSTONE SOFTER 195 FINE-MEDIUM SAND AND THIN CLAY STRIPS SOFTER 196 FINE-MEDIUM SAND AND THIN CLAY STRIPS SOFTER 197 MEDIUM SAND AND THIN CLAY STRIPS SOFTER 198 FINE-MEDIUM SAND AND THIN CLAY STRIPS SOFTER 199 MEDIUM SAND AND COURSE SAND SOFTER 209 MEDIUM SAND AND COURSE SAND	30 CLAY 65 CLAY AND VERY FINE SAND STRIPS 65 CLAY AND MEDIUM SAND STRIPS 75 CLAY AND MEDIUM SAND STRIPS 82 CLAY 90 SANDSTONE, CALICHE, AND MEDIUM SAND 100 SANDSTONE AND FINE SAND 100 SANDSTONE AND FINE SAND 101 SANDSTONE, SAND, AND CALICHE STRIPS 112 CLAY WITH FINE SAND 114 SANDSTONE, SAND, AND CALICHE STRIPS 115 CALICHE 116 FINE SAND 117 CALICHE 118 FINE SAND 119 SANDSTONE, SAND, AND CALICHE STRIPS 110 SOFTER 111 B FINE SAND 112 CALICHE HARDNESS 113 CALICHE HARD SOFTER 114 SANDSTONE, SAND, AND CALICHE STRIPS 115 CALICHE HARD FINE-MEDIUM SAND 116 FINE SAND 117 SOFTER 118 BROWN 119 SANDSTONE, SAND, AND CALICHE STRIPS 119 SANDSTONE, SAND, AND CALICHE STRIPS 110 SANDSTONE, SAND, AND CALICHE STRIPS 111 SANDSTONE, SAND, AND CALICHE STRIPS 112 CALICHE 113 CALICHE 114 SANDSTONE, SAND, AND CALICHE STRIPS 115 FIRMER 116 BROWN 117 SANDSTONE AND MEDIUM SAND 118 SANDSTONE AND MEDIUM SAND 119 SANDSTONE AND MEDIUM SAND 110 SOFTER 111 BROWN 112 SANDSTONE AND MEDIUM SAND 113 CLAY 114 SANDSTONE AND MEDIUM SAND 115 SANDSTONE AND MEDIUM SAND 116 COURSE SAND, FINE GRAVEL, AND CLAY STRIPS 117 MEDIUM-COURSE SAND, FINE GRAVEL, AND CLAY STRIPS 118 BROWN 119 SINE-MEDIUM SAND AND THIN CLAY STRIPS 119 SOFTER 110 BROWN 110 SOFTER 111 BROWN 112 SOFTER 113 BROWN 114 SANDSTONE 115 MEDIUM-COURSE SAND, FINE GRAVEL, AND CLAY STRIPS 116 SOFTER 117 BROWN 118 SANDSTONE 119 SINE-MEDIUM SAND AND THIN CLAY STRIPS SOFTER 118 BROWN 119 SOFTER 119 BROWN 119 SOFTER 119 BROWN 119 SOFTER 110 BROWN 110 SOFTER 110 BROWN 111 BROWN 112 SOFTER 112 BROWN 113 SOFTER 114 BROWN 115 MEDIUM-COURSE SAND, FINE GRAVEL, AND CLAY STRIPS SOFTER 117 BROWN 118 SANDSTONE 119 SOFTER 118 BROWN 119 SOFTER 119 BROWN 119 SOFTER 119 BROWN 119 SOFTER 119 BROWN 119 SOFTER 110 BROWN 110 SOFTER 110 BROWN 111 BROWN 111 SOFTER 112 BROWN 113 SOFTER 113 BROWN 114 SOFTER 115 BROWN 115 MEDIUM-COURSE 116 BROWN 117 BROWN 117 BROWN 118 SANDSTONE 119 BROWN 119 SOFTER 119 BROWN 110 BROWN 110