

**WATER WELL RECORD** Form WWC-5 KSA 82a-1212

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1 LOCATION OF WATER WELL:	Fraction Near Center County: Gray 1/4 NC 1/4 NE 1/4	Section Number 18	Township Number T 27 S	Range Number R 30 E/W			
Distance and direction from nearest town or city street address of well if located within city?							
Approximatley 11 miles North & $\frac{1}{2}$ mile West of Copeland, Ks.							
2 WATER WELL OWNER:	Western Farms, Inc. C/O Lawrence Withers		Board of Agriculture, Division of Water Resources				
RR#, St. Address, Box #:	Route #1, Box 68		Application Number: 16,858				
City, State, ZIP Code:	Copeland, Ks. 67837						
3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	4 DEPTH OF COMPLETED WELL . . . . . 425' ft. ELEVATION: . . . . . Depth(s) Groundwater Encountered 1. 151 ft. 2. . . . . ft. 3. . . . . ft. WELL'S STATIC WATER LEVEL . . . . . 132 ft. below land surface measured on mo/day/yr 12/26/89 Pump test data: Well water was . . . . . ft. after . . . . . hours pumping . . . . . gpm Est. Yield . . . . . 500 gpm: Well water was . . . . . 410 ft. after . . . . . 4 hours pumping . . . . . 550 gpm Bore Hole Diameter . . . . . 30 in. to . . . . . 425 ft. and . . . . . in. to . . . . . ft. WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below) 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Monitoring well Was a chemical/bacteriological sample submitted to Department? Yes . . . . . No X . . . . . If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes . . . . . No X						
5 TYPE OF BLANK CASING USED:	5 Wrought iron 8 Concrete tile CASING JOINTS: Glued . . . . . Clamped . . . . . 1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded X . . . . . 2 PVC 4 ABS 7 Fiberglass Threaded . . . . . Blank casing diameter . . . . . 16 in. to . . . . . 425 ft., Dia . . . . . 20 in. to . . . . . 150-362 ft., Dia . . . . . in. to . . . . . ft. Casing height above land surface . . . . . 12 in., weight . . . . . 16" - 42.05/20" - 52.73 lbs./ft. Wall thickness or gauge No. . . . . TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless steel 5 Fiberglass 7 PVC 10 Asbestos-cement 2 Brass 4 Galvanized steel 6 Concrete tile 8 RMP (SR) 11 Other (specify) . . . . . 12 None used (open hole)						
SCREEN OR PERFORATION OPENINGS ARE:	5 Gauzed wrapped 8 Saw cut 11 None (open hole) 6 Wire wrapped 9 Drilled holes 7 Torch cut 10 Other (specify) . . . . . 1 Continuous slot 3 Mill slot 2 Louvered shutter 4 Key punched						
SCREEN-PERFORATED INTERVALS:	From . . . . . 151 ft. to . . . . . 191 ft., From . . . . . 192 ft. to . . . . . 232 ft. From . . . . . 233 ft. to . . . . . 243 ft., From . . . . . 365 ft. to . . . . . 425 ft.						
GRAVEL PACK INTERVALS:	From . . . . . ft. to . . . . . ft., From . . . . . ft. to . . . . . ft. From . . . . . ft. to . . . . . ft., From . . . . . ft. to . . . . . ft.						
6 GROUT MATERIAL:	1 Neat cement 2 Cement grout 3 Bentonite 4 Other . . . . . Grout Intervals: From . . . . . 0 ft. to . . . . . 20 ft., From . . . . . ft. to . . . . . ft., From . . . . . ft. to . . . . . ft. What is the nearest source of possible contamination: 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below) 13 Insecticide storage . . . . .						
Direction from well?	South How many feet? 30'						
FROM	TO	LITHOLOGIC LOG		FROM	TO	PLUGGING INTERVALS	
		See log attached.					
7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 12/19/89 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 145 This Water Well Record was completed on (mo/day/yr) 1/18/90 under the business name of Henkle Drilling & Supply Company, Inc. by (signature) Bruce J. Richmuth							
INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Topeka, Kansas 66620-7320. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.							

Wite Board.



## DRILLERS TEST LOG

CUSTOMER'S NAME: Lawrence Withers  
STREET ADDRESS: Route #1, Box 68  
CITY & STATE: Copeland, Ks. 67837  
COUNTY Gray QUARTER NE SECTION 18

DATE: 9/26/88 TEST # 1 E. LOG Yes  
DRILLER Shelden OWNERSHIP 27 RANGE 30

**LOCATION** 18' North of the Pivot.

### WELL LOCATION

Z	FOOTAGE			DESCRIPTION OF STRATA	STATIC WATER LEVEL: _____ Proposed Well Depth: _____
	From	Pay	To		
	0		2	Top soil.	
	2		25	Brown sandy clay & Caliche & fine sand streaks.	
	25		39	Sand fine.	
	39		62	Brown sandy clay.	
	62		98	Sand fine to medium coarse. Small to large gravel. Cemented in places.	
	98		106	Sand fine to medium coarse with few clay streaks.	
	106		129	Sand fine to medium coarse. Small to large gravel.	
	129		138	Brown sandy clay.	
65	138	6	146	Sand fine to medium coarse. Small to medium gravel.	
	146		151	Brown sandy clay.	
60	151	12	163	Sand fine to medium coarse. Small Brown & tan rock.	
	163		166	White clay.	
50	166	4	170	Sand fine to Small & Limerock.	
	170		182	Brown sandy clay & Limerock ledges.	
60	182	4	186	Sand fine to medium coarse. Small brown rock.	
	186		191	Brown sandy clay.	
60	191	8	199	Sand fine to medium coarse. Small brown rock.	
	199		200	Clay.	
55	200	23	223	Sand fine to medium coarse.	
30	223	14	237	Brown sandy clay & fine sand streaks & Limerock ledges.	
	237		242	Yellow soapstone.	
	242		253	Limerock ledges "Hard" & Soapstone streaks.	
	253		302	Weathered shale, Black & Gray in color. Real hard ledges. Brown clay sluffing off.	
	302		368	Gray clay & streaks of Brown rock. Bit trip @360'. Back in with 4 1/4" Bit.	
75	368	49	417	Sand fine to medium coarse. Small tan rock. Mixed Bran & O-Gel.	
	417		418	Limestone ledge @ 417'.	
	418		440	Gray Soapstone.	
45	440	6	446	Sand fine to medium.	
15	446	67	513	Gray soapstone & Dakota sand streaks. Drilled loose in places.	
	513		514	Iron pyrite ledge @ 513'. Hard.	
	514		700	Weathered shale & Limestone ledges. Changed Bits @ 570'.	
				1 - 4 3/4" Drag Bit 2 - 4 1/4" Drag Bit 4 - 50# Bags Quick Gel 1 - 100# Bag Bran 1 - Dry Hole Plug	WELL DEPTH = 425' Set up West Pit on North

GARDEN CITY, KS 67846  
3795 West Jones Ave.

HENKLE DRILLING & SUPPLY CO., INC.

316-277-2389

## IRRIGATION HEADQUARTERS