

WATER WELL RECORD

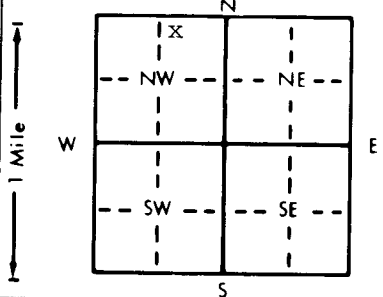
Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: Fraction nw 1/4 NE 1/4 NW 1/4 Section Number 33 Township Number T 29 S Range Number R 38 ~~E/W~~

Distance and direction from nearest town or city street address of well if located within city?
 Approx. 6 miles south and 6 1/2 miles west of Ulysses

2 WATER WELL OWNER: Grant County Feeders
 RR#, St. Address, Box # : Box 447
 City, State, ZIP Code : Ulysses, KS 67880
 Board of Agriculture, Division of Water Resources
 Application Number: 39,617

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL 500 ft. ELEVATION:

Depth(s) Groundwater Encountered 1. 145 ft. 2. ft. 3. ft.
 WELL'S STATIC WATER LEVEL Approx. 145 ft. below land surface measured on mo/day/yr 10/13/90
 Pump test data: Well water was ft. after hours pumping gpm
 Est. Yield 50 gpm: Well water was ft. after hours pumping gpm
 Bore Hole Diameter 11 in. to 500 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 X No

5 TYPE OF BLANK CASING USED:
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued X Clamped
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded
 7 Fiberglass Threaded

Blank casing diameter 6 in. to 500 ft., Dia in. to ft., Dia in. to ft.
 Casing height above land surface 12 in., weight 4.13 lbs./ft. Wall thickness or gauge No. 316w

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)
 9 ABS 12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:
 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole)
 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes
 7 Torch cut 10 Other (specify)

SCREEN-PERFORATED INTERVALS: From 280 ft. to 300 ft., From 320 ft. to 340 ft.
 From 380 ft. to 400 ft., From 440 ft. to 500 ft.
 GRAVEL PACK INTERVALS: From 28 ft. to 500 ft., From ft. to ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
 Grout Intervals: From 6 ft. to 28 ft., From ft. to ft., From ft. to ft.

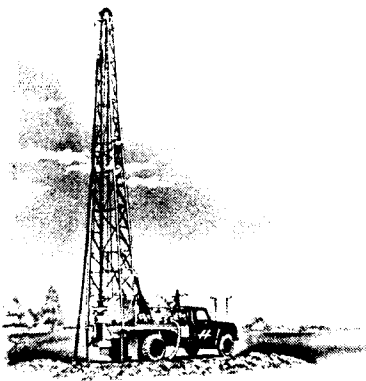
What is the nearest source of possible contamination:
 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below)
 13 Insecticide storage None observed

Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
		See attached log			

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) 10/13/90 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) 10/31/90 under the business name of Henkle Drilling & Supply Co., Inc. by (signature) Bruce J. Richman

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.



Henkle

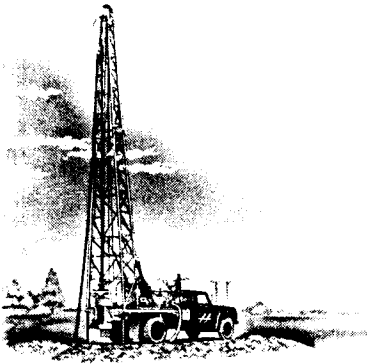
DRILLING & SUPPLY CO., INC.

3795 W. JONES AVE.
316/277-2389
FAX/277-0224

P.O. Box 639
GARDEN CITY, KANSAS 67846

CUSTOMER'S NAME Grant Co. Feeders DATE 10/08/90
 STREET ADDRESS Box 447 TEST # 1 E. LOG Yes
 CITY & STATE Ulysses, KS 67880 DRILLER Wildeman
 COUNTY Grant QUARTER NW SECTION 33 TOWNSHIP 29 RANGE 38
 LOCATION Well #4 Well location

%	FOOTAGE			DESCRIPTION OF STRATA	STATIC WATER LEVEL: <u>Approx. 175'</u>	
	From	Pay	To		Proposed Well Depth: <u>500'</u>	
	0	2	2	Top soil		
	2		24	Brown silty clay		
	24		39	Sand fine to medium coarse, a few thin clay streaks (Very loose 24-30')		
	39		44	Light brown clay		
	44		46	Sand fine to medium coarse		
	46		83	Light brown clay		
	83		92	Brown sandy clay and a few small sand streaks.		
	92		116	Brown clay		
	116		119	Sand fine to medium coarse		
	119		131	Brown sandy clay and a few sand layers.		
	131		140	Sand fine to medium coarse		
	140		149	Brown sandy clay and a few small sand streaks.		
	149		169	Brown clay		
	169		178	Sand fine to medium coarse and sandy clay mixed.		
	178		181	Brown clay.		
	181		183	Sand fine to medium coarse.		
	191		209	Brown sandy clay and a few sand streaks.		
50	209	12	221	Sand fine to medium coarse and sandy clay mixed.		
	221		248	Brown sandy clay limerock and a few sand streaks.		
55	248	11	259	Sand fine to medium coarse and a few clay streaks.		
	259		270	Sandy clay and sand mixed and few limerock ledges.		
55	270		279	Sand fine to medium coarse and a few clay streaks.		
	279		293	Brown sandy clay and a few sandy streaks.		
60	293	06	299	Sand fine to medium coarse very few small gravel.		
	299		327	Brown clay sticky.		
50	327	18	345	Sandy fine to medium few coarse and few sandy clay streaks.		
	345		373	Sandy clay and sand mixed.		
	373		378	Sandy clay.		
50	378	22	400	Sandy fine to medium and sandy clay streaks.		
	400		407	Sandy clay		
	407		427	Cemented Sand and sandy clay.		
65	427	18	445	Sand fine to medium coarse and brown rock (drilled tight) used pull down.		
20	460	07	467	Sand stone and soapstone streaks.		
40	467	13	480	Cheyenne Preels (Drilled tight) used pull downs.		
20	480	08	488	Sandstone and soapstone streaks.		
30	488	10	498	Sandstone and Cheyenne Preels.		



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CUSTOMER'S NAME Grant Co. Feeders DATE 10/09/90
 STREET ADDRESS Box 447 TEST # 1 E. LOG Yes
 CITY & STATE Ulysses, KS 67880 DRILLER Wildeman
 COUNTY Grant QUARTER SW SECTION 28 TOWNSHIP 29 RANGE 38
 LOCATION Well #4

%	FOOTAGE			DESCRIPTION OF STRATA	STATIC WATER LEVEL:	
	From	Pay	To		Proposed Well Depth:	500'
	498		504	Soapstone		
	504		506	Red Bed		
				3 - Sacks of Quick Gel		
				4 - Sacks of Hi-Tec		
				Hole plug from 28' to 6'		
				17 Grains (hardness)		
				12 Tons of #1 fine		
				1 - 6" Cap		
				9 - Centralizers		
				13 - Bags of Hole plug		
				Well Depth= 500'		
				6" PVC		
				Perf		Plain
	500		440	60'		
	440		400			40'
	400		380	20'		
	380		340			40'
	340		320	20'		
	320		300			20'
	300		280	20'		
	280		0			Plain
				Airlifted till well cleared up at 360'		