

LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County: Thomas	Near 1/4 Center 1/4 NW 1/4	31	T 7 S	R 31 E/W

Distance and direction from nearest town or city street address of well if located within city?

From Gem, Kansas - 1 1/4 mile south and 3 1/4 miles east

WATER WELL OWNER:	Larry Higerd	Board of Agriculture, Division of Water Resources
IR#, St. Address, Box # :	P. O. Box 21	
City, State, ZIP Code :	Gem, Kansas 67734	Application Number: 36967

LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	DEPTH OF COMPLETED WELL: 240 ft. ELEVATION: 3030
	Depth(s) Groundwater Encountered 1. 110 ft. 2. ft. 3. ft. WELL'S STATIC WATER LEVEL 110 ft. below land surface measured on mo/day/yr Pump test data: Well water was 149 ft. after 2 hours pumping 1200 gpm Est. Yield gpm: Well water was 127 ft. after 2 1/2 hours pumping 600 gpm Bore Hole Diameter 28 in. to 240 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 Observation 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

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)
2 PVC	4 ABS	7 Fiberglass	Welded X
			Threaded

Blank casing diameter 16 in. to 150 ft. Dia in. to ft. Dia in. to ft.  
 Casing height above land surface 12 in. weight lbs./ft. Wall thickness or gauge No. 232 Wall

TYPE OF SCREEN OR PERFORATION MATERIAL:	7 PVC	10 Asbestos-cement
1 Steel	3 Stainless steel	5 Fiberglass
2 Brass	4 Galvanized steel	8 RMP (SR)
	6 Concrete tile	9 ABS
		11 Other (specify)
		12 None used (open hole)

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

SCREEN-PERFORATED INTERVALS:	From 150 ft. to 230 W.A. Brown
	From 230 ft. to 240 Johnson
GRAVEL PACK INTERVALS:	From 10 ft. to 240
	From ft. to ft.

GROUT MATERIAL:	1 Neat cement	2 Cement grout	3 Bentonite	4 Other
Grout Intervals:	From 0 ft. to 10 ft.	From ft. to ft.	From ft. to ft.	From ft. to ft.

What is the nearest source of possible contamination:	10 Livestock pens	14 Abandoned water well
1 Septic tank	4 Lateral lines	11 Fuel storage
2 Sewer lines	5 Cess pool	12 Fertilizer storage
3 Watertight sewer lines	6 Seepage pit	13 Insecticide storage
	7 Pit privy	15 Oil well/Gas well
	8 Sewage lagoon	16 Other (specify below)
	9 Feedyard	

Direction from well? South How many feet? 3900

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	3	surface	118	120	Clay
3	58	clay	120	132	Fine sand
58	61	Med. sand	132	134	Caliche
61	71	Clay	134	142	Sandy clay
71	73	Med. sand & gravel	142	147	Med. to coarse sand
73	76	Clay	147	149	Clay
76	80	Fine sand	149	151	Med. sand
80	88	Clay	151	152	Clay
88	97	Fine to med. sand	152	161	Med. to coarse sand
97	103	Caliche	161	162	Clay
103	104	Fine sand	162	164	Caliche
104	109	Clay	164	167	Clay
109	117	Med. to coarse sand	167	172	Caliche and sandstone
117	118	Caliche	172	173	Fine sand
118	120	Clay	173	174	Clay (continuation of log attached)

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) February 26, 1986 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 394 This Water Well Record was completed on (mo/day/yr) 3-14-86 under the business name of WOOFER WELL & PUMP by (signature)
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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, Division of Environment, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

\$5.00 cash attached

LOCATION OF WATER WELL: County: Thomas	Fraction 1/4 1/4 NW 1/4	Section Number 31	Township Number T 7 S	Range Number R 31 E/W
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Distance and direction from nearest town or city street address of well if located within city?

WATER WELL OWNER: Larry Higerd (page 2 for log)

RR#, St. Address, Box #: Box 21

Board of Agriculture, Division of Water Resources

City, State, ZIP Code: Gem, Kansas 67734

Application Number: 36967

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

4 DEPTH OF COMPLETED WELL: ft. ELEVATION: ft.

Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.

WELL'S STATIC WATER LEVEL ft. below land surface measured on mo/day/yr

Pump test data: Well water was ft. after hours pumping gpm

Est. Yield gpm: Well water was ft. after hours pumping gpm

Bore Hole Diameter in. to 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 Observation well

Was a chemical/bacteriological sample submitted to Department? Yes No; If yes, mo/day/yr sample was submitted

Water Well Disinfected? Yes No

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

2 PVC

4 ABS

7 Fiberglass

Threaded

Blank casing diameter in. to ft., Dia in. to ft., Dia in. to ft.

Casing height above land surface in., weight 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)

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 ft. to ft., From ft. to ft., From ft. to ft., From ft. to ft.

From ft. to ft., From ft. to ft., From ft. to ft., From ft. to ft.

GRAVEL PACK INTERVALS:

From ft. to ft., From ft. to ft., From ft. to ft., From ft. to ft.

From ft. to ft., From ft. to ft., From ft. to ft., From ft. to ft.

GROUT MATERIAL:

1 Neat cement

2 Cement grout

3 Bentonite

4 Other

Grout intervals: From ft. to ft., From ft. to 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?

How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
174	179	Sandstone	243	255	SHALE
179	181	Fine sand			
181	193	Caliche plus clay			
193	196	Med. sand			
196	197	Cemented sand			
197	204	Med. to coarse sand			
204	205	Clay			
205	207	Med. sand			
207	208	Clay			
208	209	Thin sand layer			
209	211	Clay			
211	236	Med. sand and thin clay streaks			
236	237	Clay			
237	238	Med. sand			
238	243	OCHRE			

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) 2-26-86 and this record is true to the best of my knowledge and belief. Kansas

Water Well Contractor's License No. This Water Well Record was completed on (mo/day/yr) 3-14-86

under the business name of

by (signature)

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