

1 LOCATION OF WATER WELL County: Haskell	Fraction $\frac{1}{4}$ $\frac{1}{4}$ SE $\frac{1}{4}$	Section Number 21	Township Number T 27 S	Range Number R 33 EW
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Distance and direction from nearest town or city? **Garden City**
19 South - 3 1/2 West - 1/2 North

Street address of well if located within city?

2 WATER WELL OWNER: **Bob Nightengale**
 RR#, St. Address, Box #: **RR Box 46A**
 City, State, ZIP Code: **Copeland, KS 67837**

Board of Agriculture, Division of Water Resources
 Application Number:

3 DEPTH OF COMPLETED WELL... **480** ...ft. Bore Hole Diameter... **26** ...in. to... **480** ...ft., and... in. to... ft.

Well Water to be used as:
 1 Domestic 3 Feedlot 5 Public water supply 8 Air conditioning 11 Injection well
 2 Irrigation 4 Industrial 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
 7 Lawn and garden only 10 Observation well

Well's static water level... **127** ...ft. below land surface measured on... **December** ...month... **16** ...day... **1976** ...year

Pump Test Data: Well water was... **142** ...ft. after... **2** ...hours pumping... **1350** ...gpm
 Est. Yield **1850** gpm: Well water was... **154** ...ft. after... **3** ...hours pumping... **1850** ...gpm

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

Casing Joints: Glued... Clamped...
 Welded... **X**...
 Threaded...

Blank casing dia... **16** in. to... **480** ft., Dia... in. to... ft., Dia... in. to... ft.
 Casing height above land surface... **12** in., weight... **36.4** lbs./ft. Wall thickness or gauge No... **.219**

TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 10 Asbestos-cement
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 11 Other (specify) 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 10 Other (specify)
 7 Torch cut

Screen-Perforation Dia... **16** in. to... **480** ft., Dia... in. to... ft., Dia... in. to... ft.

Screen-Perforated Intervals: ~~xxxx~~ Perf **215-240** ft. ~~xxxx~~ Screen **265-285** ft. ~~xxxx~~ Perf **285-340** ft. ~~xxxx~~ Screen **340-380** ft.
~~xxxx~~ Perf **380-480** ft. to... ft., From... ft. to... ft.

Gravel Pack Intervals: From... **10** ft. to... **480** ft., From... ft. to... ft.

5 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other

Grouted Intervals: From... **0** ft. to... **10** ft., From... ft. to... ft.

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

Direction from well... How many feet... ? Water Well Disinfected? Yes... No **X**

Was a chemical/bacteriological sample submitted to Department? Yes... No **X** If yes, date sample was submitted... month... day... year: Pump Installed? Yes... **X** No

If Yes: Pump Manufacturer's name... **Used customers pump** Model No... HP... Volts...

Depth of Pump Intake... **260** ft. Pumps Capacity rated at... **800** gal./min.

Type of pump: 1 Submersible 2 Turbine 3 Jet 4 Centrifugal 5 Reciprocating 6 Other

6 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was **1** constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on... **April** month... **17** day... **1980** year

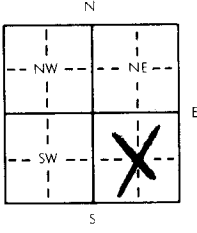
and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **208**

This Water Well Record was completed on... **November** month... **20** day... **1980** year under the business name of **Minter Wilson Drilling Co., Inc.** by (signature) *M. Irene DeKeyser*

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

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG

ELEVATION:



Test log attached

Depth(s) Groundwater Encountered 1... ft. 2... ft. 3... ft. 4... ft. (Use a second sheet if needed)

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, Water Well Contractors, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY
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SEC.
1/4
1/4
1/4

WINTER-WILSON DRILLING CO.

December 27, 1979

Bob Nightengale
Haskell County

Location: SE $\frac{1}{4}$ 21-27-31
Static Water Level - 160
Test #

0	1	Top Soil
1	65	Brown Clay
65	112	Fine to med. sand & Gravel (loose) (streaks of coarse gravel)
112	169	Fine to med. sand & gravel (loose)
169	185	Brown Clay
185	193	Fine to med. sand & gravel (loose)
193	198	Brown Clay
198	208	Fine to med. sand & gravel (loose)
208	215	Brown Clay
215	254	Blue Clay
254	271	Fine to med. sand & gravel (loose)
271	290	Brown Clay
290	300	Brown Sandy Clay 35% Gravel (loose)
300	376	Fine to med. sand & gravel 10% Clay (loose)
376	399	Brown Clay
399	410	Fine to med. sand & Gravel 10% Clay (loose)
410	425	Brown Clay
425	431	Fine to med. sand (loose)
431	473	Brown Clay
473	494	Brown Gray & Yellow Clay (hard)
494	530	Shale (hard)
530	547	Cheyene with 30% Shale (tight) (hard streaks)
547	605	Shale (hard) streaks of red gray yellow & Brown(hard)