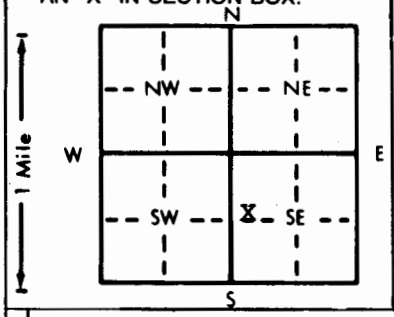
WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County: Haskell	SW ¼ NW ¼ SE ¼	23	T 28 S	R 31 E/W

Distance and direction from nearest town or city street address of well if located within city?
Approximately 5 miles North & 2 ½ miles West of Copeland, Ks.

2 WATER WELL OWNER: Gilbert Nickel
RR#, St. Address, Box # : RR# 1, Box 78-B
City, State, ZIP Code : Copeland, Ks. 67837
Board of Agriculture, Division of Water Resources
Application Number: 19,607

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



4 DEPTH OF COMPLETED WELL 530 ft. ELEVATION:
Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.
WELL'S STATIC WATER LEVEL 245 ft. below land surface measured on mo/day/yr 4/28/89
Pump test data: Well water was ft. after hours pumping gpm
Est. Yield 1500 gpm: Well water was 295 ft. after 4 hours pumping 1523 gpm
Bore Hole Diameter 24 in. to 530 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 530 ft., Dia in. to ft., Dia in. to ft.
Casing height above land surface 12 in., weight 42.05 lbs./ft. Wall thickness or gauge No. .250W

TYPE OF SCREEN OR PERFORATION MATERIAL: 7 PVC 10 Asbestos-cement
1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify)
2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 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 367 ft. to 527 ft., From ft. to ft.
From 280 ft. to 320 ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 20 ft. to 530 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? North How many feet? 290'

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) 4/26/89 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) 6/13/89
under the business name of Henkle Drilling & Supply Company, Inc. by (signature) Barry Richmond

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 Protection, Topeka, Kansas 66620-7320. Telephone: 913-296-5514. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY T R E/W SEC. ¼ ¼ ¼

DRILLERS TEST LOG

CUSTOMER'S NAME: Gilbert Nickel **DATE:** 4/5/89
STREET ADDRESS: **TEST #** 1 **E. LOG** Yes
CITY & STATE: Copeland, Ks. 67837 **DRILLER** Shelden
COUNTY Haskell **QUARTER** SE **SECTION** 23 **TOWNSHIP** 28 **RANGE** 31

LOCATION 288' South of the old well.

Well Location

%	FOOTAGE From	Pay	TO	DESCRIPTION OF STRATA — STATIC WATER LEVEL: _____ Proposed Well Depth:
	0		2	Top soil.
	2		110	Brown sandy clay & some limerock streaks w/some small sandstreaks.
	110		135	Sand fine to medium coarse.
	135		143	Brown sandy clay.
	143		153	Sand fine to medium coarse.
	153		185	Brown sandy clay & some small sand streaks.
	185		218	Sand fine to medium coarse. Small to some large gravel.
	218		221	Brown clay.
	221		240	Sand fine to medium.
	240		243	Brown sandy clay & some limerock.
65	243	19	265	Sand fine to medium coarse. Small to medium gravel.
60	265	17	282	Sand fine to medium coarse. Small gravel.
50	282	25	307	Sand fine to medium coarse. Drilled tight.
	307		316	Brown clay.
	316		367	Blue clay.
30	367	9	376	Blue sand fine to medium coarse.
	376		398	White clay & Limerock streaks.
60	398	52	450	Sand fine to medium coarse. Small gravel s/some small clay streaks.
35	450	53	503	Brown sandy clay & small sand streaks.
50	503	16	518	Sand fine to small w/some brown rock streaks.
45	518	9	527	Brown sandy clay & streaks of brown rock.
	527		538	Yellow soapstone.
	538		600	Gray shale.
				Well Depth = 530'
				1 - Set 4 3/4" Drag Blades
				4 - 50# Bags Q-Gel
				1 - Perma plug

GARDEN CITY, KS 67846 HENKLE DRILLING & SUPPLY CO., INC. 316-277-2389
3795 West Jones Ave.
IRRIGATION HEADQUARTERS

TEST HOLES * * * * * * * * * IRRIGATION & INDUSTRIAL WELLS * * * * * * * * * STOCK WELLS