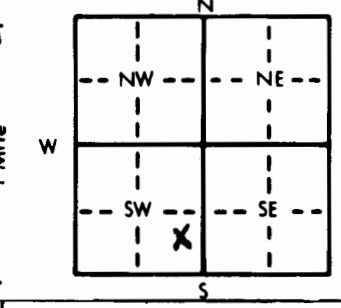
WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: County: Haskell | Fraction: NE ¼ SE ¼ SW ¼ | Section Number: 35 | Township Number: T 27 S | Range Number: R 32 E/W

Distance and direction from nearest town or city street address of well if located within city?
Approx. 12 miles north and 2 miles east of Sublette, KS

2 WATER WELL OWNER: Manford Nichols
RR#, St. Address, Box # : HCR, Box 48A
City, State, ZIP Code : Sublette, KS 67877
Board of Agriculture, Division of Water Resources
Application Number: 12,463 & 20,095

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



4 DEPTH OF COMPLETED WELL 577' ft. ELEVATION:
Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.
WELL'S STATIC WATER LEVEL 294' ft. below land surface measured on mo/day/yr
Pump test data: Well water was 365' ft. after 24 hours pumping 1025 gpm
Est. Yield 1100 gpm: Well water was ft. after hours pumping gpm
Bore Hole Diameter 24" in. to 577' ft., and in. to ft.
WELL WATER TO BE USED AS: 1 Domestic 2 Irrigation 3 Feedlot 4 Industrial 5 Public water supply 6 Oil field water supply 7 Lawn and garden only 8 Air conditioning 9 Dewatering 10 Observation well 11 Injection well 12 Other (Specify below)
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: 1 Steel 2 PVC 3 RMP (SR) 4 ABS 5 Wrought iron 6 Asbestos-Cement 7 Fiberglass 8 Concrete tile 9 Other (specify below)
CASING JOINTS: Glued Clamped Welded Threaded
Blank casing diameter 16" in. to 577' 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. .250"w

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

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

SCREEN-PERFORATED INTERVALS: From 317-357 ft. to 450-490 ft., From ft. to ft.
From 370-430 ft. to 513-577 ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 20' ft. to 577' 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 2 Sewer lines 3 Watertight sewer lines 4 Lateral lines 5 Cess pool 6 Seepage pit 7 Pit privy 8 Sewage lagoon 9 Feedyard 10 Livestock pens 11 Fuel storage 12 Fertilizer storage 13 Insecticide storage 14 Abandoned water well 15 Oil well/Gas well 16 Other (specify below)
Direction from well? How many feet? NONE OBSERVED

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
		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) 7-20-87 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) 7-31-87
under the business name of Henkle Drilling & Supply Co., Inc. by (signature) Bruce J Reichmuth

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, Office of Oil Field and Environmental Geology, Regulation and Permitting Section, Topeka, Kansas 66620-7500, Telephone: 913-862-9360. 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

CUSTOMERS NAME Manford Nichols — DATE 7-13-87
STREET ADDRESS _____ — TEST # 1&2 E. LOG YES
CITY & STATE Sublette, KS 67877 — DRILLER Livingston
COUNTY Haskell QUARTER SW SECTION 35 TOWNSHIP 27 RANGE 32

LOCATION 525 ft. east of old well

%	FOOTAGE From	Pay	To	DESCRIPTION OF STRATA — Static Water Level 225' — Proposed Well Depth ____
	0		2	Top Soil
	2		101	Brown sandy clay, caliche and few sand stks.
	101		169	Sand, fine to medium, small to large gravel, few clay stks., and cemented ledges
	169		173	Brown sandy clay
55	173	07	233	Sand, fine to medium, coarse, small gravel and few clay stks and rock ledges
	233		251	Yellow clay and limerock ledges
45	251	11	262	Sand, fine to medium, coarse
	262		288	Brown sandy clay, limerock ledges
	288		193	Blue clay
50	293	38	331	Sand, fine to medium, coarse, small gravel and brown sandy clay, limerock
60	331	10	341	Sand, fine to medium, coarse, small to medium gravel and cemented ledges and few clay stks.
	341		347	Brown sandy clay and limerock
70	347	10	357	Sand, fine to medium, coarse, small to medium gravel and drills rough
	357		380	Brown sandy clay, limerock
60	380	12	392	Sand, fine to medium, coarse, small gravel
	392		400	Brown sandy clay, limerock
50	400	10	410	Sand, fine to medium, coarse, small gravel few clay stks.
	410		420	Brown sandy clay
45	420	05	425	Sand, fine to medium, coarse
	425		515	Brown sandy clay, limerock and few fine sand stks
80	518	16	534	Sand, fine to medium, coarse, small to medium brown gravel and brown rock - drills rough
	534		538	Brown clay
35	538	32	570	Sandstone and soapstone - lost circulation at 548'
				Mixed 10 Jel and 1 Bran
	570		580	Soapstone and limestone
				Moved test hole #2, 20 ft. north
				Mixed 15 Jel and 3 Bran — Drill Big Hole between test holes
				Set Up - Northwest
				Don't get on SE¼