WATER WELL RECORD — Form WWC-5

Division of Water Resources App. No. 5,215

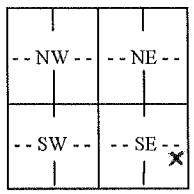
1 LOCATION OF WATER WELL: County: HASKELL | Fraction: ¼ NE ¼ SE ¼ SE ¼ | Section Number: 24 | Township No.: T 27 S | Range Number: R 32 ☐E ☑W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☐.
SW CORNER OF SUBLETTE-1 M SW TO 83-56 JUNCTION, 14 M N, 6 M E, 1,027 FT. N & 591 FT. W

Global Positioning System (GPS) information:
Latitude: 37.68106 (in decimal degrees)
Longitude: -100.76328 (in decimal degrees)
Elevation:
Datum: ☐ WGS 84, ☐ NAD 83, ☒ NAD 27
Collection Method:
☒ GPS unit (Make/Model: Garmin 62ST)
☐ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ <3 m, ☐ 3-5 m, ☐ 5-15 m, ☐ >15 m

2 WATER WELL OWNER:
RR#, Street Address, Box #: MANFORD NICHOLS / PO BOX 358
City, State, ZIP Code: MONTEZUMA, KANSAS 67867

3 LOCATE WELL WITH AN "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL 510 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 30 in. to 510 ft., and in. to ft.
WELL WATER TO BE USED AS: ☐ Public water supply ☐ Geothermal ☐ Injection well
☐ Domestic ☐ Feedlot ☐ Oil field water supply ☐ Dewatering ☐ Other (Specify below)
☑ Irrigation ☐ Industrial ☐ Domestic-lawn & garden ☐ Monitoring well
Was a chemical/bacteriological sample submitted to Department? ☐ Yes ☑ No
If yes, mo/day/yr sample was submitted
Water well disinfected? ☐ Yes ☑ No

5 TYPE OF CASING USED: ☑ Steel ☐ PVC ☐ Other
CASING JOINTS: ☐ Glued ☐ Clamped ☑ Welded ☐ Threaded
Casing diameter in. to 310 ft., Diameter in. to ft., Diameter in. to ft.
Casing height above land surface 12 in., Weight 42.05 lbs./ft., Wall thickness or gauge No. 250
TYPE OF SCREEN OR PERFORATION MATERIAL:
☑ Steel ☐ Stainless Steel ☐ PVC ☐ Other (Specify)
☐ Brass ☐ Galvanized Steel ☐ None used (open hole)
SCREEN OR PERFORATION OPENINGS ARE:
☐ Continuous slot ☑ Mill slot ☐ Gauze wrapped ☐ Torch cut ☐ Drilled holes ☐ None (open hole)
☐ Louvered shutter ☐ Key punched ☑ Wire wrapped ☐ Saw cut ☐ Other (specify)
SCREEN-PERFORATED INTERVALS: From 310 ft. to 510 ft., From ft. to ft.
From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 20 ft. to 510 ft., From ft. to ft.
From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: ☐ Neat cement ☑ Cement grout ☐ Bentonite ☐ 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:
☐ Septic tank ☐ Lateral lines ☐ Pit privy ☐ Livestock pens ☐ Insecticide storage ☐ Other (specify below)
☐ Sewer lines ☐ Cesspool ☐ Sewage lagoon ☐ Fuel storage ☐ Abandoned water well
☐ Watertight sewer lines ☐ Seepage pit ☐ Feedyard ☐ Fertilizer storage ☐ Oil well/gas well
N/A
Direction from well Distance from well

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
		SEE ATTACHED LOG			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was ☑ constructed, ☐ reconstructed, or ☐ plugged under my jurisdiction and was completed on (mo/day/year) 6-15-12 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 (mo/day/year) 6-22-12 under the business name of MINTER-WILSON DRILLING CO., INC. by (signature) Nora Keller

INSTRUCTIONS: Use typewriter or ball point pen. *PLEASE PRESS FIRMLY* and *PRINT* clearly. Please fill in blanks and check the correct answers. Send three copies (white, blue, pink) to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5524. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of $5.00 for each constructed well. Visit us at http://www.kdheks.gov/waterwell/index.html.

KSA 82a-1212 Check: ☑ White Copy, ☐ Blue Copy, ☐ Pink Copy

The Professionals

MINTER-WILSON DRILLING CO.

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NAME MANFORD NICHOLS
COUNTY HASKELL
DATE 2-1-12

LOCATION: SE 1/4 24-27-32 - HWY 83 & HITCH ROAD - 6 MILES EAST, 1/4 OF A MILE NORTH & 1/4 OF A MILE WEST

STATIC WATER LEVEL - APPROX. 280 FT.

TEST # 4

0' TO 15' - BROWN SANDY CLAY
15' TO 18' - FINE SAND
18' TO 34' - BROWN SANDY CLAY WITH STRIPS OF WHITE ROCK & SAND
34' TO 43' - CEMENTED SAND
43' TO 60' - FINE TO MEDIUM SAND WITH STRIPS OF BROWN SANDY CLAY
60' TO 157' - FINE TO MEDIUM SAND & GRAVEL - SOME COARSE
157' TO 164' - GRAY SANDY CLAY
164' TO 165' - HARD WHITE ROCK - 250 PULL DOWN
165' TO 201' - BLUE CLAY
201' TO 205' - YELLOW SANDY CLAY
205' TO 218' - FINE TO MEDIUM SAND & GRAVEL
218' TO 240' - BROWN CLAY WITH STRIPS OF WHITE ROCK
240' TO 265' - FINE TO MEDIUM SAND & GRAVEL
265' TO 275' - BROWN SANDY CLAY WITH STRIPS OF WHITE ROCK
275' TO 320' - FINE TO MEDIUM SAND & GRAVEL - SOME COARSE
320' TO 328' - BROWN SANDY CLAY WITH STRIPS OF SAND & GRAVEL - 15%
328' TO 360' - FINE TO MEDIUM SAND & GRAVEL WITH STRIPS OF BROWN SANDY CLAY & WHITE ROCK - 25%
360' TO 378' - FINE TO MEDIUM SAND & GRAVEL WITH LAYERS OF BROWN SANDY CLAY - 35%
378' TO 402' - BROWN SANDY CLAY WITH STRIPS OF WHITE ROCK
402' TO 404' - FINE TO MEDIUM SAND
404' TO 406' - BROWN SANDY CLAY
406' TO 408' - FINE TO MEDIUM SAND
408' TO 466' - BROWN SANDY CLAY WITH STRIPS OF WHITE ROCK
466' TO 481' - FINE TO MEDIUM SAND & GRAVEL WITH 10% BROWN ROCK
481' TO 494' - BROWN & YELLOW CLAY WITH 25% BROWN ROCK
494' TO 496' - LOOSE BROWN ROCK
496' TO 502' - BROWN & YELLOW CLAY WITH 20% BROWN ROCK
502' TO 520' - HARD BROWN, YELLOW & RED CLAY WITH 15% BROWN ROCK
520' TO 535' - HARD RED CLAY
535' TO 545' - HARD RED CLAY & SHALE
545' TO 560' - SHALE - 250 PULL DOWN