KOLAR Document ID: 1429741

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No. 6281 Well ID

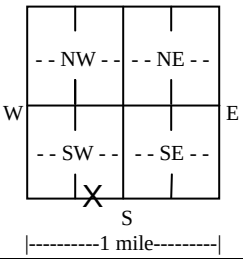
☑ Original Record ☐ Correction ☐ Change in Well Use

1 LOCATION OF WATER WELL: County: Haskell | Fraction: SE ¼ SW ¼ SE ¼ SW ¼ | Section Number: 24 | Township Number: T 27 S | Range Number: R 31 ☐ E ☑ W

2 WELL OWNER: Last Name: NICKEL First: KENNETH
Business: NICKEL
Address: 2356 110TH RD
Address:
City: COPELAND State: KS ZIP: 67837

Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here: ☐
1700 FEET EAST FROM INTERSECTION OF CO RD XX AND RD 50, NORTH INTO FIELD 70 FEET

3 LOCATE WELL WITH "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL: 460 ft.
Depth(s) Groundwater Encountered: 1) 259 ft. 2) ……. ft. 3) ……. ft., or 4) ☐ Dry Well
WELL'S STATIC WATER LEVEL: 259 ft.
☑ below land surface, measured on (mo-day-yr) 12/12/2018
☐ above land surface, measured on (mo-day-yr)……
Pump test data: Well water was 390 ft. after 4 hrs. pumping 400 gpm
Well water was …… ft. after …… hrs. pumping …… gpm
Estimated Yield: 400 gpm
Bore Hole Diameter: 30 in. to 460 ft. and …… in. to ……. ft.

5 Latitude: 37.678417 (decimal degrees)
Longitude: 100.664722 (decimal degrees)
Datum: ☐ WGS 84 ☑ NAD 83 ☐ NAD 27
Source for Latitude/Longitude:
☐ GPS (unit make/model: ……) (WAAS enabled? ☐ Yes ☐ No)
☐ Land Survey ☐ Topographic Map
☐ Online Mapper: ……

6 Elevation: 2817 ft. ☑ Ground Level ☐ TOC
Source: ☐ Land Survey ☐ GPS ☐ Topographic Map ☑ Other KOLAR

7 WELL WATER TO BE USED AS:
1. Domestic: ☐ Household ☐ Lawn & Garden ☐ Livestock
2. ☑ Irrigation
3. ☐ Feedlot
4. ☐ Industrial
5. ☐ Public Water Supply: well ID ……
6. ☐ Dewatering: how many wells? ……
7. ☐ Aquifer Recharge: well ID ……
8. ☐ Monitoring: well ID ……
9. Environmental Remediation: well ID …… ☐ Air Sparge ☐ Soil Vapor Extraction ☐ Recovery ☐ Injection
10. ☐ Oil Field Water Supply: lease ……
11. Test Hole: well ID …… ☐ Cased ☐ Uncased ☐ Geotechnical
12. Geothermal: how many bores? …… a) Closed Loop ☐ Horizontal ☐ Vertical b) Open Loop ☐ Surface Discharge ☐ Inj. of Water
13. ☐ Other (specify): ……

Was a chemical/bacteriological sample submitted to KDHE? ☐ Yes ☑ No If yes, date sample was submitted: ……
Water well disinfected? ☑ Yes ☐ No

8 TYPE OF CASING USED: ☑ Steel ☐ PVC ☐ Other …… CASING JOINTS: ☐ Glued ☐ Clamped ☑ Welded ☐ Threaded
Casing diameter 16 in. to 260 ft., Diameter 16 in. to 450 ft., Diameter 16 in. to 460 ft.
Casing height above land surface 24 in. Weight …… lbs./ft. Wall thickness or gauge No. 250

TYPE OF SCREEN OR PERFORATION MATERIAL:
☑ Steel ☐ Stainless Steel ☐ Fiberglass ☐ PVC ☐ Other (Specify) ……
☐ Brass ☐ Galvanized Steel ☐ Concrete tile ☐ None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:
☑ Continuous Slot ☐ Mill Slot ☐ Gauze Wrapped ☐ Torch Cut ☐ Drilled Holes ☐ Other (Specify) ……
☐ Louvered Shutter ☐ Key Punched ☐ Wire Wrapped ☐ Saw Cut ☐ None (Open Hole)

SCREEN-PERFORATED INTERVALS: From 260 ft. to 300 ft., From 300 ft. to 350 ft., From 350 ft. to 450 ft.
GRAVEL PACK INTERVALS: From 20 ft. to 460 ft., From …… ft. to …… ft., From …… ft. to …… ft.

9 GROUT MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ……
Grout Intervals: From 0 ft. to 20 ft., From …… ft. to …… ft., From …… ft. to …… ft.

Nearest source of possible contamination: ✔ No potential source of contamination within 200 ft.
☐ Septic Tank ☐ Lateral Lines ☐ Pit Privy ☐ Livestock Pens ☐ Insecticide Storage
☐ Sewer Lines ☐ Cess Pool ☐ Sewage Lagoon ☐ Fuel Storage ☐ Abandoned Water Well
☐ Watertight Sewer Lines ☐ Seepage Pit ☐ Feedyard ☐ Fertilizer Storage ☐ Oil Well/Gas Well
☐ Other (Specify) ……
Direction from well? …… Distance from well? …… ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
Attached	Attached	Attached			
			Notes:		

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was ☑ constructed, ☐ reconstructed, or ☐ plugged under my jurisdiction and was completed on (mo-day-year) 12/11/2018 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 748 This Water Well Record was completed on (mo-day-year) 12/11/2018 under the business name of Downey Drilling, Inc.

Send one copy to WATER WELL OWNER and retain one for your records. Fee of $5.00 for each constructed well.
KS Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-3565.
Visit us at http://www.kdheks.gov/waterwell/index.html KSA 82a-1212

Form	WWC5
Contractor	Downey Drilling, Inc.
Well Owner	KENNETH & SHIRLEY NICKEL
Doc ID	1429741

Litholgy

From	To	LithologicLog
0	3	TOPSOIL
3	22	CLAY
22	85	SANDY CLAY, F/TR MED SAND & CLAY
85	101	F/M/C SAND
101	140	F/M/C SAND & F/M GRAVEL
140	181	F/M/C SAND & F/M/C GRAVEL
181	276	F/M/C SAND & F/TR M. GRAVEL
276	287	F/M/C SAND & SILT/CLAY
287	300	F/TR M SAND/SC/ TR CLAY
300	347	CLAY/F. SAND
347	365	F/M/C SAND & ROCK
365	374	ROCK/CLAY
374	392	VERY FINE/TR F. SAND
392	397	CLAY
397	406	VERY FINE/FINE SAND/LIMESTONE
406	416	CLAY
416	450	F/M SAND
450	460	SHALE/