

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No.

Well ID

Well ID

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: HASKELL Fraction NW 1/4 NE 1/4 1/4 1/4 Section Number 15 Township Number T 27 S Range Number R 31 E W

2 WELL OWNER: Last Name: GALE First: FRANK 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: FROM HWY 56 W. OF COPELAND, 12 MILES N. ON RD 1, WEST ON RD 30 2.5 MILE, 1000 FT S. INTO FIELD

3 LOCATE WELL WITH "X" IN SECTION BOX: N W E S 1 mile

4 DEPTH OF COMPLETED WELL: 805 ft. Depth(s) Groundwater Encountered: 1) 250 ft. 2) 3) 4) Dry Well WELL'S STATIC WATER LEVEL: 250 ft. Pump test data: Well water was after hours pumping gpm

5 Latitude: 37 42' 15.97" (decimal degrees) Longitude: -100 41' 53.37" (decimal degrees) Horizontal 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: 2820 ft. Ground Level TOC Source: Land Survey GPS Topographic Map Other

7 WELL WATER TO BE USED AS: 1. Domestic: Household Lawn & Garden Livestock Irrigation Feedlot 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 805 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 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 282 ft. to 582 ft., From 622 ft. to 795 ft., From ft. to ft. GRAVEL PACK INTERVALS: From 20 ft. to 810 ft., From ft. to ft., From ft. to ft.

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

Nearest source of possible contamination: 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) N/A Direction from well? Distance from well? ft.

Table with 4 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Content: SEE 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) 06/13/2015... 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) 7/10/2015... under the business name of DOWNEY DRILLING, INC.

Mail 1 white copy along with a fee of \$5.00 for each constructed well to: Kansas Department of Health and Environment, Bureau of Water, GWTS Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Mail one to Water Well Owner and retain one for your records. Telephone 785-296-5524.

WELL LOG

DATE: 4/20-21/2015



CUSTOMER NAME: GALE FRANK

LEGAL: NE/NW 15-27S-31W

COUNTY: HASKELL, KS

GPS: 37 42' 15.97° N

100 41' 53.37° W

OTHER: SWL: APPROX. 240-250

FROM	TO	TYPE	HARDNESS	COLOR	OTHER / DRILLING ACTION
0	5	TOP SOIL, SILT, AND A TRACE OF MAG @ 5	SOFT	DARK GRAY / BROWN	
5	31	SILT AND SANDY CLAY	SOFT		
31	55	FINE-MEDIUM SAND WITH SILTY SANDY CLAY LAYERS	SOFT		
55	62	MEDIUM-COARSE SAND AND FINE GRAVEL	SOFT	RED	
62	100	FINE WITH A TRACE OF MEDIUM GRAVEL AND COARSE-VERY COARSE SAND	SOFT	RED	
100	136	FINE-MEDIUM-COARSE GRAVEL	SOFT	RED	
136	141	SANDY SILTY CLAY	SOFT	BROWN	
141	149	MEDIUM-COARSE WITH A TRACE OF VERY COARSE SAND	SOFT	RED	
149	150	SILT	SOFT	BROWN	
150	163	COARSE-VERY COARSE SAND WITH FINE GRAVEL	SOFT	RED	
163	168	SILTY SANDY CLAY	SOFT	BROWN	
168	181	COARSE-VERY COARSE SAND WITH FINE GRAVEL	SOFT	RED	
181	200	COARSE-VERY COARSE SAND AND FINE GRAVEL	SOFT	RED	
200	201	MAG AND CEMENTED SAND	FIRM	WHITE	NO PD
201	203	SILTY SANDY CLAY	SOFT		SMOOTH
203	211	COARSE-VERY COARSE SAND WITH FINE GRAVEL	SOFT		CHATTER
211	212	SILT LAYER	SOFT		
212	216	COARSE-VERY COARSE SAND AND FINE GRAVEL	SOFT		
216	216.5	CEMENTED SAND	FIRM	WHITE	NO PD
216.5	227	COARSE-VERY COARSE SAND AND MOSTLY FINE-MEDIUM GRAVEL	SOFT	RED	CHATTER
227	230	FINE-MEDIUM GRAVEL - SLIGHTLY CEMENTED	SEMI FIRM	RED / WHITE	CHOPPY
230	233	SILTY SANDY CLAY	SOFT	BROWN	SMOOTH
233	236	MEDIUM-COARSE-VERY COARSE SAND AND FINE GRAVEL	SOFT	RED	CHATTER
236	237	SILT	SOFT	BROWN	
237	240	MEDIUM-COARSE-VERY COARSE SAND	SOFT	RED	CHATTER
240	248	SILTY SANDY CLAY	SOFT	LIGHT BROWN	SMOOTHER
248	259	MEDIUM-COARSE SAND WITH SOME VERY COARSE SAND	SOFT	TAN	CHATTER
259	260	SILT LAYER	SOFT	TAN	SMOOTHER
260	267	MEDIUM-COARSE SAND	SOFT	TAN	CHATTER
267	272	SILTY SANDY CLAY	SOFT	TAN	SMOOTHER

FROM	TO	TYPE	HARDNESS	COLOR	OTHER / DRILLING ACTION
272	277	MEDIUM-COARSE SAND			CHATTER
277	279	SANDY CLAY LAYER			SMOOTHER
279	286	COARSE-VERY COARSE SAND AND FINE GRAVEL			CHATTER
286	287	SILT LAYER			
287	292	COARSE-VERY COARSE SAND AND FINE GRAVEL			CHATTER
292	297	SILTY SANDY CLAY			SMOOTHER
297	303	FINE-MEDIUM WITH A TRACE OF COARSE SAND			
303	310	SANDY CLAY			
310	320	MEDIUM WITH A TRACE OF COARSE SAND AND SILT LENSES			
320	331	MEDIUM-COARSE SAND			
331	350	SANDY CLAY WITH VERY THIN SAND LENSES			
350	357	CLAY WITH A TRACE OF OCHRE AND WEATHERED SHALE			
357	373	FINE SAND AND SOAPSTONE			
373	380	SOAPSTONE WITH CLAY (GRAY) AND WEATHERED SHALE LENSES			
380	389	CLAY WITH SOME SOAPSTONE			
389	395	SOAPSTONE		GRAY	
395	398	CLAY (GRAY) WITH A TRACE OF OCHRE		YELLOW / TAN	
398	401	SHALE		BLUE / BLACK	
		4/21/2015			
401	423	SHALE		GRAY / LT GRAY	
423	431	SHALE CLAY		LT GRAY / LT BLUE	
431	436	SHALE CLAY		LT GRAY / BROWN	
436	460	SHALE CLAY		BLUE / TRACE RED	
460	477	SHALE CLAY		BLUE	
477	508	SHALE CLAY		MORE RED	
508	519	SHALE CLAY		LT GRAY	SLIGHT CHOPPY
519	532	FINE SAND WITH SANDSTONE MIXED WITH SHALE		DARK BLUE	
532	563	SHALE		DARK BLUE	
563	576	SHALE WITH FINER SMALLER CHIPS OF SILTSTONE AND SANDSTONE		DARK BLUE	
576	628	SHALE		DARK BLUE	
628	642	SHALE WITH FINER SMALLER CHIPS OF SILTSTONE AND SANDSTONE		DARK BLUE	
642	713	SHALE WITH OCCASIONAL FIRMER CHIPS OF SANDSTONE AND SILTSTONE		DARK BLUE	
713	718	CHALKY SHALE	FIRM	LT TAN / WHITE	SMOOTH
718	723	BRICK RED SILTSTONE - FLAKY			
723	743	BRICK RED SILTSTONE			CHEYENNE?
743	763	BRICK RED SILTSTONE - FLAKY			
763	774	BRICK RED SILTSTONE - FLAKY			
774	775	LIMESTONE		FIRM	

