

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No.

Well ID

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: HASKELL Fraction NE 1/4 SE 1/4 1/4 1/4 Section Number 14 Township Number T 27 S Range Number R 33 E W

2 WELL OWNER: Last Name: First: 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: 15 MILES N. OF HWY 160 & HWY 56 INT., WEST 1 MILE ON RD 40, N. 1/2 MILE, 300 FT. INTO WEST FIELD.

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

4 DEPTH OF COMPLETED WELL: 680 ft. Depth(s) Groundwater Encountered: 1) ft. 2) ft. 3) ft., or 4) Dry Well WELL'S STATIC WATER LEVEL: 296 ft. below land surface, measured on (mo-day-yr) above land surface, measured on (mo-day-yr) Pump test data: Well water was after hours pumping gpm Well water was after hours pumping gpm Estimated Yield: gpm Bore Hole Diameter: 28 in. to 680 ft. and in. to ft.

5 Latitude: 37 41' 58.61" (decimal degrees) Longitude: -100 53' 23.26" (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: 2914 ft. Ground Level TOC Source: Land Survey GPS Topographic Map Other

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 680 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 320 ft. to 680 ft., From ft. to ft., From ft. to ft. GRAVEL PACK INTERVALS: From 20 ft. to 680 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., From ft. to ft.

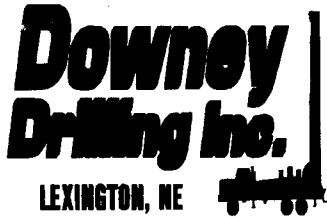
Nearest source of possible contamination: Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage Sewer Lines Cess Pool Sewage Lagoon Fuel Storage Abandoned Water Well Watertight Sewer Lines Seepage Pit Feedyard Fertilizer Storage Oil Well/Gas Well Other (Specify) N/A Direction from well? Distance from well? ft.

Table with 6 columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Content includes 'SEE ATTACHED' and a 'Notes' section.

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) 06/25/2015 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) 07/07/2015 under the business name of DOWNEY DRILLING, INC.

WELL LOG

DATE: 4/23/2015



CUSTOMER NAME: COX FARMS

LEGAL: NE/SE 14-27S-33W

COUNTY: HASKELL

GPS: 37 41' 58.61" N

-100 53' 23.26" W

OTHER: TEST HOLE

FROM	TO	TYPE	HARDNESS	COLOR	OTHER / DRILLING ACTION
0	1	TOP SOIL		DARK	
1	34	SILTY SAND		BROWN	
34	38	MAG WITH SILTY SAND		BROWN	
38	42	SILTY SANDY CLAY AND SAND		BROWN	
42	51	MEDIUM-TRACE OF COARSE SAND WITH MAG STRS		RED / WHITE	
51	61	MEDIUM-COARSE-VERY COARSE SAND AND A TRACE OF FINE GRAVEL		RED	
61	82	VERY COARSE SAND AND FINE-TRACE OF MEDIUM GRAVEL		RED	
82	102	FINE-MEDIUM GRAVEL WITH A FEW VERY THIN CEMENTED SAND STRS			
102	119	FINE-MEDIUM GRAVEL WITH SOME COARSE GRAVEL			
119	120	SILT AND SANDY CLAY			
120	163	FINE-MEDIUM-COARSE GRAVEL			
163	164	CEMENTED SAND WITH A TRACE OF MAG			
164	168	SILT AND SANDY CLAY WITH A TRACE OF MAG			
168	186	FINE-MEDIUM GRAVEL			CHATTER
186	189	SILT AND SANDY CLAY			SMOOTHER
189	204	FINE-MEDIUM GRAVEL WITH VERY FEW THIN SILT STRS			CHATTER
204	231	SILTY SAND AND SANDY CLAY			SMOOTH
231	232	MAG			CHOPPY
232	245	SANDY CLAY			SMOOTH
245	251	MEDIUM-COARSE-VERY COARSE SAND AND A TRACE OF FINE GRAVEL			CHATTER
251	257	SANDY CLAY		BROWN	SMOOTH
257	277	MEDIUM-COARSE-VERY COARSE SAND AND A TRACE OF FINE GRAVEL		RED	CHATTER - IN & OUT
277	309	COARSE-VERY COARSE SAND AND FINE-MEDIUM GRAVEL - TW		RED	MORE CHATTER
309	322	SANDY CLAY AND SILT		TAN	SMOOTHER
322	327	FINE GRAVEL - TW		TAN	CHATTER
327	343	SANDY CLAY		TAN	SMOOTH
343	348	COARSE-VERY COARSE SAND AND FINE GRAVEL - TW			SLIGHT CHATTER
348	370	FINEGRAVEL - TW			CHATTER
370	391	SANDY CLAY			SMOOTHER
391	397	MEDIUM SAND			CHATTER (MODERATE)

FROM	TO	TYPE	HARDNESS	COLOR	OTHER / DRILLING ACTION
397	402	SILT AND SAND	SOFT		
402	410	FINE-MEDIUM SAND	SOFT		
410	426	MEDIUM SAND WITH A FEW VERY THIN SILT LENSES			
426	440	SANDSTONE WITH CEMENTED SAND STRS	FIRMER		
440	453	SANDSTONE WITH FINE SAND AND SOAPSTONE			
453	462	GRAY CLAY WITH TAN / YELLOW OCHRE (WEATHERED SHALE)			
	462	EXTREME WATER LOSS			
462	485	TW			
485	486	LIMESTONE	HARD		
486	490	SHALE		BLUE	
490	514	SANDSTONE - TW			CHATTER
514	521	SHALE			SMOOTHER
521	547	BROWN SANDSTONE WITH SHALE LENSES - TW			SOME CHATTER
547	552	LIMESTONE - PD @ 250	HARD SEMI-DENSE		CHOPPY
552	571	SHALE		BLUE / GRAY	SLIGHT CHATTER
571	573	LIMESTONE	HARD		ROUGH
573	577	SANDSTONE - TW			SOME CHATTER
577	580	SHALE			SMOOTH
580	591	SANDSTONE WITH SHALE LAYERS - TW			SLIGHT CHATTER
591	602	SHALE - TW		BLUE / GRAY	SMOOTHER
602	614	FINE-MEDIUM SAND		GRAY	ROUGH - CHOPPY
614	615	LIMESTONE			SMOOTH
615	622	SAND			CHATTER
622	623	LIMESTONE	SEMI HARD		
623	625	SAND			
625	626	LIMESTONE - NO PD	HARD		
626	636	FINE-MEDIUM SAND - TW		GRAY	
636	637	LIMESTONE - NO PD	FIRM		
637	640	SHALE WITH SAND LENSES - TW	SOFT		SOME CHATTER
640	653	SAND WITH SHALE STRS	SOFT	GRAY	CHATTER
653	663	SHALE WITH SAND LAYERS			
663	664	LIMESTONE - NO PD	FIRM		GRINDING
664	678	SAND WITH VERY THIN SHALE STRS			
678	700	SHALE			
		4 SACKS BRAN			
		27 SACKS QUIKGEL			
		2 GAL. EZ MUD			
		1 SACK SODA ASH			
		15,000 GAL H2O			