

502651

County Becker
Quad Osage
Quad ID 257A

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING REPORT
Minnesota Statutes Chapter 1031

Entry Date 01/03/1992
Update Date 08/21/2014
Received Date

Well Name OFFUTT, R.O.				Township 140	Range 36	Dir W	Section 19	Subsection BCABAB	Well Depth 122 ft.	Depth Completed 113 ft.	Date Well Completed 03/27/1988																																																		
Elevation 1505				Elev. Method 7.5 minute topographic map (+/- 5 feet)		Drill Method Non-specified Rotary						Drill Fluid Bentonite																																																	
Address									Use irrigation			Status Active																																																	
Stratigraphy Information <table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>TOPSOIL</td><td>0</td><td>1</td><td>BROWN</td><td></td></tr><tr><td>SAND GRAVEL &</td><td>1</td><td>42</td><td>BROWN</td><td></td></tr><tr><td>SANDY CLAY</td><td>42</td><td>82</td><td>GRAY</td><td></td></tr><tr><td>SAND WITH LENSES</td><td>82</td><td>85</td><td>GRAY</td><td></td></tr><tr><td>SAND</td><td>85</td><td>93</td><td>VARIED</td><td></td></tr><tr><td>LENSES OF SAND &</td><td>93</td><td>95</td><td>GRAY</td><td></td></tr><tr><td>SAND WITH GRAVEL</td><td>95</td><td>102</td><td>VARIED</td><td></td></tr><tr><td>GRAVEL WITH LENSES</td><td>102</td><td>113</td><td>VARIED</td><td></td></tr><tr><td>SANDY CLAY</td><td>113</td><td>122</td><td>GRAY</td><td></td></tr></table>									Geological Material	From	To (ft.)	Color	Hardness	TOPSOIL	0	1	BROWN		SAND GRAVEL &	1	42	BROWN		SANDY CLAY	42	82	GRAY		SAND WITH LENSES	82	85	GRAY		SAND	85	93	VARIED		LENSES OF SAND &	93	95	GRAY		SAND WITH GRAVEL	95	102	VARIED		GRAVEL WITH LENSES	102	113	VARIED		SANDY CLAY	113	122	GRAY		Well Hydrofractured? Yes ☐ No ☐ From To		
									Geological Material	From	To (ft.)	Color	Hardness																																																
									TOPSOIL	0	1	BROWN																																																	
									SAND GRAVEL &	1	42	BROWN																																																	
									SANDY CLAY	42	82	GRAY																																																	
									SAND WITH LENSES	82	85	GRAY																																																	
									SAND	85	93	VARIED																																																	
									LENSES OF SAND &	93	95	GRAY																																																	
									SAND WITH GRAVEL	95	102	VARIED																																																	
									GRAVEL WITH LENSES	102	113	VARIED																																																	
SANDY CLAY	113	122	GRAY																																																										
Casing Type Single casing			Joint Welded																																																										
Drive Shoe? Yes ☐ No ☒			Above/Below 2 ft.																																																										
Casing Diameter 12 in. To 93 ft.			Weight lbs./ft.			Hole Diameter 18 in. To 113 ft.																																																							
Open Hole From ft. To ft.																																																													
Screen? ☒			Type Diameter Slot/Gauze Length Set			Make JOHNSON																																																							
12 in. 55			20 ft. 93 ft.			113 ft.																																																							
Static Water Level 19.5 ft. land surface Measure 03/27/1988																																																													
Pumping Level (below land surface) 24.3 ft. 1 hrs. Pumping at 150 g.p.m.																																																													
Wellhead Completion Pitless adapter manufacturer Model ☐ Casing Protection ☒ 12 in. above grade ☐ At-grade (Environmental Wells and Borings ONLY)																																																													
Grouting Information Well Grouted? ☒ Yes ☐ No ☐ Not Specified Material Amount From To bentonite 0 0 ft. ft.																																																													
Nearest Known Source of Contamination feet Direction Type Well disinfected upon completion? ☒ Yes ☐ No																																																													
Pump ☐ Not Installed Date Installed 05/11/1988 Manufacturer's name BERKELEY Model Number 1004CH-5 HP 60 Volt 460 Length of drop pipe 70 ft Capacity 900 g.p. Typ Turbine																																																													
Abandoned Does property have any not in use and not sealed well(s)? ☐ Yes ☒ No																																																													
Variance Was a variance granted from the MDH for this well? ☐ Yes ☐ No																																																													
Miscellaneous First Bedrock Aquifer Quat. buried Last Strat clay+sand-gray Depth to Bedrock ft Located by Minnesota Geological Survey Locate Method Digitized - scale 1:24,000 or larger (Digitizing Table) System UTM - NAD83, Zone 15, Meters X 326051 Y 5199996 Unique Number Verification Other, note in Input Date 01/15/1998																																																													
Angled Drill Hole																																																													
Well Contractor Ltp Enterprises 91353 SCHROEDER, F. Licensee Business Lic. or Reg. No. Name of Driller																																																													