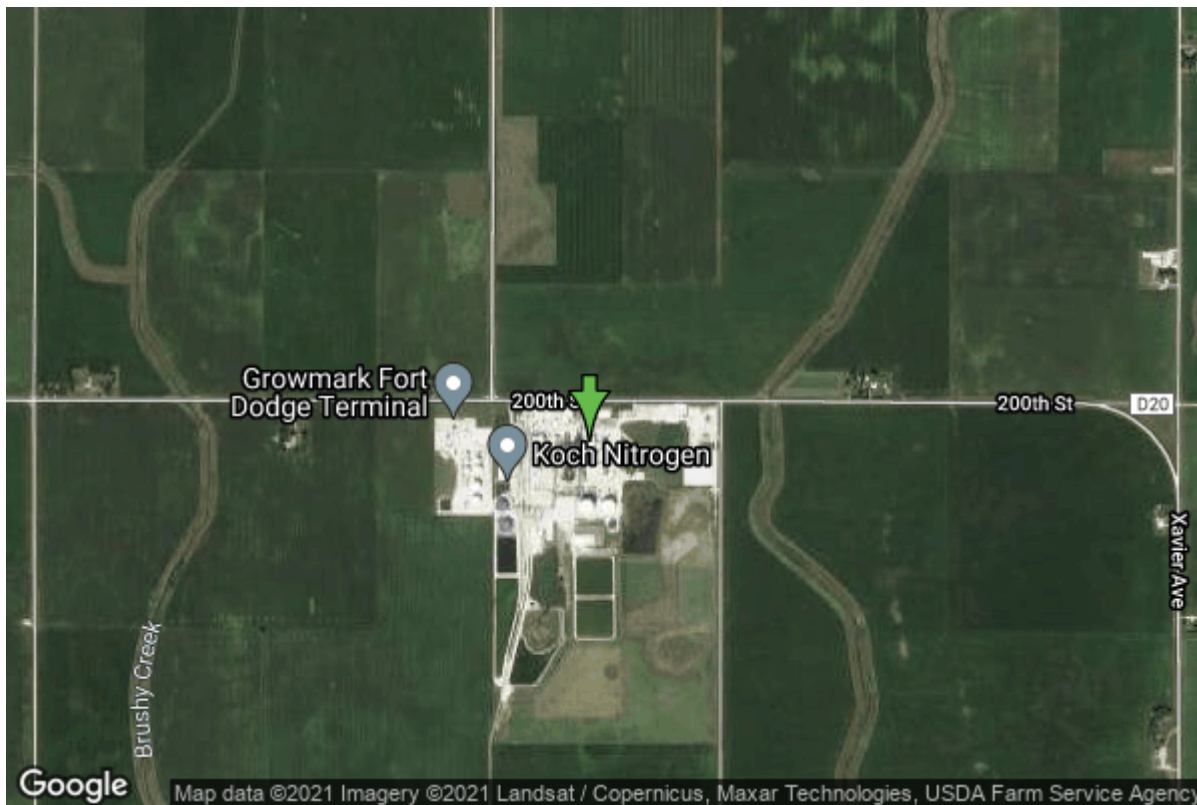


Well W#16634 Information



Date Received		State	Iowa
Owner Name	Farmland Industries Inc.	County	Webster
Alt Name		Quadrangle	Evanston, Iowa
WNumber	16634	Township	T89N
PWTS ID	0	Range	R27W
PWS ID	9433161	Section	27
Storet ID	0	Quarter	NE NE NW
SDWIS ID	2411327	Latitude	42.4997600000
USGS ID	0	Longitude	-94.0156900000
Project	Source Water Protection	Accuracy	
Operator	Unknown	UTM X	416544
		UTM Y	4705766

Site Type	Drilled hole	Drilling Company	Thorpe Well Co.
Well Status	Not Used	Drilling Date	10/08/1964
Field Located	No	Drilling Method	Cable
Elevation	1112 ft	Bedrock Depth	227 ft
Elevation Accuracy	Digital Elevation Model Accurate to 5 ft	Well Depth	2025 ft
Landscape Position	Level Surface	Total Depth	2025 ft
		Well Types	Commercial, Public Supply
		Aquifers	Cambrian-Ordovician

Casing Construction Information

Date	10/08/1964	Casing Type	Steel
Start Depth	-2.00 ft	End Depth	224.00 ft
Diameter	24.00 in	Amount	226.00 ft
Comments			

Date	10/08/1964	Casing Type	Steel
Start Depth	-2.60 ft	End Depth	624.30 ft
Diameter	18.00 in	Amount	626.90 ft
Comments			

Date	10/08/1964	Casing Type	Steel
Start Depth	936.00 ft	End Depth	1257.00 ft
Diameter	16.00 in	Amount	321.00 ft
Comments			

Date	10/08/1964	Casing Type	Steel
Start Depth	1399.30 ft	End Depth	1518.00 ft
Diameter	14.00 in	Amount	118.70 ft
Comments			

Date	10/08/1964	Casing Type	Steel
Start Depth	600.00 ft	End Depth	1586.00 ft
Diameter	10.00 in	Amount	986.00 ft
Comments			

Grout Construction Information

Date	10/08/1964	Grout Type	Cement	Grout Placement	Unknown
Start Depth	0.00 ft	End Depth			624.00 ft
Comments					

Date	10/08/1964	Grout Type	Cement	Grout Placement	Unknown
Start Depth	0.00 ft	End Depth			1586.00 ft
Comments					

Log Information

Date	01/01/1964
Log Types	Strip log
Prepared By	Northup, Richard Cox
Comments	

Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			
System	Quaternary		
Series	Pleistocene Series		
Group			
Formation			
Member			
Submember			
Start Depth	45.00 ft	End Depth	160.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Till - Unoxidized And Unleached	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			
System	Quaternary		
Series	Pleistocene Series		
Group			
Formation			
Member			
Submember			
Start Depth	160.00 ft	End Depth	165.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sand And Gravel	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			
System	Quaternary		
Series	Pleistocene Series		
Group			
Formation			
Member			
Submember			
Start Depth	165.00 ft	End Depth	180.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Till - Unoxidized And Unleached	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			
System	Quaternary		

Series	Pleistocene Series		
Group			
Formation			
Member			
Submember			
Start Depth	180.00 ft	End Depth	185.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sand And Gravel	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Quaternary		
Series	Pleistocene Series		
Group			
Formation			
Member			
Submember			
Start Depth	185.00 ft	End Depth	195.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Till - Unoxidized And Unleached	Percent	100
Secondary Lithology	Unknown	Percent	0
Tertiary Lithology	Unknown	Percent	0
Comments			

System	Quaternary		
Series	Pleistocene Series		
Group			
Formation			
Member			
Submember			
Start Depth	195.00 ft	End Depth	227.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sand And Gravel	Percent	100
Secondary Lithology	Unknown	Percent	0
Tertiary Lithology	Unknown	Percent	0
Comments			

System	Mississippian (Subsystem Of Carboniferous System)		
Series			
Group	Augusta		
Formation			
Member			
Submember			
Start Depth	227.00 ft	End Depth	293.00 ft

Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	0
Secondary Lithology	Limestone	Percent	0
Tertiary Lithology		Percent	
Comments			

System	Mississippian (Subsystem Of Carboniferous System)		
Series			
Group	Sub-Augusta		
Formation	Gilmore City		
Member			
Submember			
Start Depth	293.00 ft	End Depth	402.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Limestone	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Mississippian (Subsystem Of Carboniferous System)		
Series			
Group	Sub-Augusta		
Formation	Maynes Creek		
Member			
Submember			
Start Depth	402.00 ft	End Depth	560.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Mississippian (Subsystem Of Carboniferous System)		
Series			
Group	North Hill		
Formation	Prospect Hill		
Member			
Submember			
Start Depth	560.00 ft	End Depth	568.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	0
Secondary Lithology	Siltstone	Percent	0
Tertiary Lithology		Percent	
Comments			

System	Devonian		
Series			
Group	Yellow Spring (New Albany)		
Formation	Maple Mill		
Member			
Submember			
Start Depth	568.00 ft	End Depth	578.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Shale	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Devonian		
Series			
Group	Yellow Spring (New Albany)		
Formation	Aplington		
Member			
Submember			
Start Depth	578.00 ft	End Depth	590.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Devonian		
Series			
Group	Yellow Spring (New Albany)		
Formation	Sheffield		
Member			
Submember			
Start Depth	590.00 ft	End Depth	597.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Shale	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Devonian		
Series			
Group			
Formation			
Member			
Submember			

Start Depth	597.00 ft	End Depth	1120.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	0
Secondary Lithology	Limestone	Percent	0
Tertiary Lithology		Percent	
Comments			

System	Ordovician		
Series			
Group			
Formation	Maquoketa		
Member			
Submember			
Start Depth	1120.00 ft	End Depth	1230.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	0
Secondary Lithology	Chert/Chalcedony	Percent	0
Tertiary Lithology		Percent	
Comments			

System	Ordovician		
Series			
Group	Galena		
Formation			
Member			
Submember			
Start Depth	1230.00 ft	End Depth	1400.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Ordovician		
Series			
Group	Galena		
Formation	Decorah/Platteville Undiff.		
Member			
Submember			
Start Depth	1400.00 ft	End Depth	1472.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Limestone	Percent	0
Secondary Lithology	Shale	Percent	0
Tertiary Lithology		Percent	
Comments			

System	Ordovician		
Series			
Group	Ancell		
Formation	Glenwood		
Member			
Submember			
Start Depth	1472.00 ft	End Depth	1503.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Shale	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Ordovician		
Series			
Group	Ancell		
Formation	St. Peter Sandstone		
Member			
Submember			
Start Depth	1503.00 ft	End Depth	1557.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sandstone	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Ordovician		
Series			
Group	Prairie Du Chien		
Formation	Shakopee		
Member			
Submember			
Start Depth	1557.00 ft	End Depth	1740.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	0
Secondary Lithology	Sandstone	Percent	0
Tertiary Lithology		Percent	
Comments			

System	Ordovician		
Series			
Group	Prairie Du Chien		
Formation	Oneota		
Member			
Submember			

Start Depth	1740.00 ft	End Depth	1905.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Cambrian		
Series			
Group			
Formation	Jordan		
Member			
Submember			
Start Depth	1905.00 ft	End Depth	1990.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sandstone	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Cambrian		
Series			
Group			
Formation	St. Lawrence		
Member			
Submember			
Start Depth	1990.00 ft	End Depth	2025.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

Water Production Information

Date	10/08/1964	Start Time	
Aquifer	Unknown		
Static Water Level	162.00 ft	Yield	1900 gallons per minute
Pumping Water Level	208 ft	Yield Method	Unknown
Measurement	Unknown	Pump Test	No
Pump Method	Unknown	Duration	0 mins
Comments			

Chip Storage Information

Date	10/12/1964	Bin	
Storage	PL5-887->891	Number of Samples	402
Number of Boxes	5	Sample Gaps	370-375,1290-1295,1715-1725
Sample Intervals	5	Sample Bottom	2025 ft
Sample Top	0 ft	Washed Bottom	2025 ft
Washed Top	290 ft		
Duplicate Storage			
Comments			

<https://www.iihr.uiowa.edu/igs/geosam/well/16634/general-information>